

Appendix A. Air Quality and Greenhouse Gas Emissions Modeling Data

Appendix

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CalEEMod Project Characteristics Inputs (Construction)

Name: Vivante - Senior Assisted Living Project
Project Location: 850 San Clemente Drive, Newport Beach, CA 92660
Project Location: Orange County
Climate Zone: 18
Land Use Setting: Urban
Operational Year: 2021
Utility Company: Southern California Edison
SRA: 18

General Info

	Square Feet	Acreage
Total Project Site Area		2.91
Acreage disturbed		2.91
Senior Living Building (6 stories + basement)	184,309	0.60
Surface Parking Lot	20,387	0.47
Non-Parking Asphalt	27,715	0.64
Hardscape	26,343	0.60
Landscaping	26,025	0.60

CalEEMod Land Use Inputs

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage
Senior Living	Residential	Congregate Care (Assisted Living)	99	Dwelling Unit	0.60
Surface Parking Lot	Parking	Parking Lot	20.39	1000 sqft	0.47
Non-Parking Asphalt	Parking	Other Asphalt Surfaces	27.72	1000 sqft	0.64
Hardscape + Landscaping	Parking	Other Non-Asphalt Surfaces	52.37	1000 sqft	1.20
					2.91

Demolition Haul

Phase Name	Amount to be Demolished (tons)*	Haul Truck Capacity (tons)*	Haul Distance (miles)**	Total Trip Ends	Duration (days)
OCMA - Building Demo Debris Haul	2,300	18	20	256	2
Admin Office - Building Demo Debris Haul	1,317	18	20	147	7
Asphalt Demolition	1,000	10	20	200	9
	4,617			603	

*Provided by the Applicant.

**CalEEMod default

With CNB-17.0 EIR Mitigation

Phase	Amount to be Demolished (tons)	Haul Truck Capacity (tons)*	Haul Distance (miles)**	Total Trip Ends	Duration (days)
OCMA - Building Demo Debris Haul	2,300	18	20	256	4
Admin Office - Building Demo Debris Haul	1,317	18	20	147	7
Asphalt Demolition	1,000	10	20	200	9
	4,617			603	

Soil Haul

Phase Name	Total Import Volume (CY)*	Haul Truck Capacity (CY)*	Haul Distance (miles)*	Total Trip Ends	Duration (days)*
Rough Grading	384	15	20	52	60
Fine Grading	75	15	20	10	30

*Provided by the Applicant.

Architectural Coating

Provided by the Applicant

Percentage of Buildings' Interior Painted: 75%

Percentage of Buildings' Exterior Painted: 10%

Interior Paint VOC content: 50 grams per liter

Exterior Paing VOC content: 50 grams per liter

With CNB-17.0 EIR Mitigation

Interior Paint VOC content: 0

Residential Structures	Land Use Square Feet	SCAQMD Factor	Total Paintable Surface Area ²	Paintable Interior Area ¹	Paintable Exterior Area ¹
Senior Living	184,309	2.7	497,634	279,919	12,441

Non-Residential Structures	Land Use Square Feet	SCAQMD Factor	Total Paintable Surface Area ²	Paintable Interior Area ¹	Paintable Exterior Area ¹
Surface Parking Lot	20,387	0.06	1,223	-	1,223

1

*CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively. 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.

2 ** Applied CalEEMod Methodology in calculating total

Construction - Unmitigated Run

SCAQMD Rule 403

Replace Ground Cover
 PM10: 5 % Reduction
 PM25: 5 % Reduction

Water Exposed Area
 Frequency: 2 per day
 PM10: 55 % Reduction
 PM25: 55 % Reduction

Unpaved Roads
 Vehicle Speed: 15 mph

SCAQMD Rule 1186

Clean Paved Road
9 % PM Reduction

Square Feet

184,309

20,387

0

0

Trips Ends/Day*

128

24

24

176

<u>Trips Ends/Day</u>
64
24
24
112

<u>Trip Ends/Day</u>
1
1

grams per liter

CalEEMod Construction Phase Inputs*

5-Day Work Week/8 hours per day

Phase Name	Phase Type	Start Date	End Date	CalEEMod Total Days
Building Demolition - OC Museum of Art		7/1/2019	9/30/2019	66
Building Demo Debris Haul		7/1/2019	7/2/2019	2
Building Demo Debris OnSite Reprocessing		7/1/2019	9/30/2019	66
Building Demolition - Administrative Office		7/1/2019	9/30/2019	66
Building Demo Debris Haul		7/1/2019	7/9/2019	7
Building Demo Debris OnSite Reprocessing		7/1/2019	9/30/2019	66
Asphalt Demolition		7/1/2019	9/30/2019	66
Asphalt Demo Debris Haul		7/1/2019	7/11/2019	9
Asphalt Demo Debris OnSite Reprocessing		7/1/2019	9/30/2019	66
Site Preparation		7/1/2019	9/30/2019	66
Site Preparation Soil Haul (Rough Grading)		7/1/2019	9/20/2019	60
Mass Excavation		7/1/2019	9/30/2019	66
Mass Excavation Soil Haul (if applicable)		7/1/2019	9/30/2019	66
Utility Trenching		7/1/2019	9/30/2019	66
Building Construction		10/1/2019	1/1/2021	329
Architectural Coating		10/1/2019	1/1/2021	329
Fine Grading		10/1/2020	12/1/2020	44
Fine Grading Soil Haul		10/1/2020	11/11/2020	30
Asphalt Paving		10/1/2020	12/1/2020	44
Finishing/Landscaping		10/1/2020	12/1/2020	44

*Based on construction schedule provided by the Applicant.

CalEEMod Construction Phase Inputs* - Mitigated

5-Day Work Week/8 hours per day

Phase Name	Phase Type	Start Date	End Date	CalEEMod Total Days
Building Demolition - OC Museum of Art		6/25/2019	9/30/2019	70
Building Demo Debris Haul		6/25/2019	6/28/2019	4
Building Demo Debris OnSite Reprocessing		7/1/2019	9/30/2019	66
Building Demolition - Administrative Office		7/1/2019	9/30/2019	66
Building Demo Debris Haul		7/1/2019	7/9/2019	7
Building Demo Debris OnSite Reprocessing		7/1/2019	9/30/2019	66
Asphalt Demolition		7/1/2019	9/30/2019	66
Asphalt Demo Debris Haul		7/1/2019	7/11/2019	9
Asphalt Demo Debris OnSite Reprocessing		7/1/2019	9/30/2019	66
Site Preparation		7/1/2019	9/30/2019	66
Site Preparation Soil Haul (Rough Grading)		7/1/2019	9/20/2019	60
Mass Excavation		7/1/2019	9/30/2019	66
Mass Excavation Soil Haul (if applicable)		7/1/2019	9/30/2019	66
Utility Trenching		7/1/2019	9/30/2019	66
Building Construction		10/1/2019	1/1/2021	329
Architectural Coating		10/1/2019	1/1/2021	329
Fine Grading		10/1/2020	12/1/2020	44
Fine Grading Soil Haul		10/1/2020	11/11/2020	30
Asphalt Paving		10/1/2020	12/1/2020	44
Finishing/Landscaping		10/1/2020	12/1/2020	44

*Based on construction schedule provided by the Applicant.

CalEEMod Construction Off-Road Equipment Inputs

Original data provided by client.

Equipment Type**	Unit Amount**
Building Demolition - OC Museum of Art	
Excavator	2
Loader	1
Bobcat	2
Building Demolition Debris Reprocessing - OC Museum of Art	
Excavator	1
Loader	1
Bobcat	1
Building Demolition - Administrative Office	
Excavator	1
Loader	1
Bobcat	1
Building Demolition Debris Reprocessing - Administrative Building	
Excavator	1
Loader	1
Crusher	1
Asphalt Demolition	
Excavator	1
Loader	1
Bobcat	1
Crusher	1
Asphalt Demolition Debris Reprocessing (if applicable)	
Excavator	1
Loader	1
Crusher	1
Site Preparation	
Loader	1
Dozer	1
Bottom dump trucks	10
Auger	1
Rough Grading Soil Haul	
N/A	0
Mass Excavation	
Excavator	2
Loader	1
Dozer	1
Bottom dump trucks	10
Roller	1
Utility Trenching	
Backhoe	2
Compactor	1
Dump truck	1

Fine Grading	
D8 Dozer	1
Track skid steer	1
Building Construction	
Mobile crane	1
Fork lift	2
Paving	
Loader	1
Dozer	1
Bottom dump trucks	2
Architectural Coating	
NA	0
Finishing/Landscaping	
Loader	1
Dozer	1
Bottom dump trucks	2

Adjusted assumptions based on shared equipment during construction phases.

Equipment Type**	CalEEMod Equipment Type	Unit Amount	Model**	HP	Tier Rating	Hrs/Day
Building and Asphalt Demolition						
Excavator	Excavator	2	PC-360LC-11	257	4	8
Loader	Skid Steer Loaders	1	Komatsu 430	232	4	8
Bobcat	Tractors/Loaders/Backhoes	2	246D Cat	55	4	8
Crusher	Crushing/Proc. Equipment	1	Powerscreen 320	350	4	8
Worker Trips		15				
Vendor Trips*		4				
Hauling Trips		0				
OCMA Building Demolition Haul						
NA	NA	0				
Worker Trips		0				
Vendor Trips		0				
Hauling Trips		256				
Admin Office Building Demolition Haul						
NA	NA	0				
Worker Trips		0				
Vendor Trips		0				
Hauling Trips		147				
Asphalt Building Demolition Haul						
NA	NA	0				
Worker Trips		0				
Vendor Trips		0				
Hauling Trips		200				
Site Preparation						
Loader	Tractors/Loaders/Backhoes	1	Cat 966	271	4	8
Dozer	Rubber Tired Dozers	1	Case	247	4	8
Auger	Bore/Drill Rigs	1	NA	221	NA	8
Bottom dump trucks**	NA	10	International 2K	NA	4	8
Worker Trips		8				
Vendor Trips*		4				
Hauling Trips		0				
Rough Grading Soil Haul						
NA	NA	0				
Worker Trips		0				
Vendor Trips		0				
Hauling Trips		52				
Excavation/Trenching						
Excavator	Excavator	2	Cat 349	417	4	8

Dozer	Rubber Tired Dozers	1	Cat D8	247	4	8
Roller	Rollers	1	International 2K	80	4	8
Backhoe	Tractors/Loaders/Backhoes	2	NA	97	NA	8
Compactor	Plate Compactors	1	NA	8	NA	8
Bottom dump trucks**	NA	10	Kenworth	NA	4	8
Worker Trips		18				
Vendor Trips*		4				
Hauling Trips		0				
Fine Grading						
Dozer	Rubber Tired Dozers	1	Cat D8	247	5	8
Track skid steer	Skid Steer Loaders	1	Kubota 48"	65	4	8
Worker Trips		5				
Vendor Trips*		4				
Hauling Trips		0				
Fine Grading Soil Haul						
N/A	NA	0				
Worker Trips		0				
Vendor Trips		0				
Hauling Trips		10				
Building Construction						
Mobile crane	Cranes	1	Terex RT555	173	4f	8
Fork lift	Forklifts	2	JLG-1055	130	4f	8
Worker Trips		80				
Vendor Trips		14				
Hauling Trips		0				
Architectural Coating						
N/A	NA	0				
Worker Trips		16				
Vendor Trips		0				
Hauling Trips		0				
Paving/Finishing/Landscaping						
Loader	Tractors/Loaders/Backhoes	1	Cat 966	271	4	8
Dozer	Rubber Tired Dozers	1	Case	247	4	8
Bottom dump trucks**	NA	2	International 2K	NA	4	8
Worker Trips		5				
Vendor Trips		0				
Hauling Trips		0				

*Water trucks - Emissions accounted for in the vendor trips assigned.

**Emissions accounted for in the haul trips assigned.

Construction Localized Significance Thresholds: Building Demolition + Demo Debris Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
18	1.50	25	82	2.91

Source Receptor Distance (meters)	North Coastal Orange County	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
	25	Tractors	0.5	0.0625	3	8	1.5
NOx	112	Graders	0.5	0.0625			0
CO	804	Dozers	0.5	0.0625		0	0
PM10	5	Scrapers	1	0.125			0
PM2.5	4					Acres	1.50

	Acres	25	50	100	200	500
NOx	1	92	93	108	140	219
	2	131	128	139	165	235
CO	1	112	111	124	153	227
	2	647	738	1090	2096	6841
PM10	1	962	1089	1506	2615	7493
	2	805	914	1298	2356	7167
PM2.5	1	4	13	27	54	135
	2	7	21	35	62	144
PM2.5	1	6	17	31	58	140
	2	3	5	9	22	76
North Coastal Orange County	1	5	7	12	26	83
	2	4	6	11	24	80
1.50 Acres						
NOx	25	50	100	200	500	
CO	112	111	124	153	227	
PM10	805	914	1298	2356	7167	
PM2.5	6	17	31	58	140	
	4	6	11	24	80	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
18	1	18	2
Distance Increment Below			
25			
Distance Increment Above			
25			

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

Construction Localized Significance Thresholds: Building Demolition + Asphalt Demolition + Site Prep + Utility Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
18	2.91	25	82	2.91

Source Receptor Distance (meters)	North Coastal Orange County	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
	25	Tractors	0.5	0.0625	5	8	2.5
NOx	151	Graders	0.5	0.0625			0
CO	1189	Dozers	0.5	0.0625	2	8	1
PM10	9	Scrapers	1	0.125			0
PM2.5	6					Acres	3.50

	Acres	25	50	100	200	500
NOx	2	131	128	139	165	235
	3	153	149	160	184	249
CO	2	151	147	158	183	248
	3	962	1089	1506	2615	7493
	3	1212	1347	1822	3039	8086
PM10	2	1189	1324	1794	3001	8033
	3	7	21	35	62	144
	3	9	29	42	70	152
PM2.5	2	9	28	42	69	151
	3	5	7	12	26	83
	3	6	8	14	29	89
	3	6	8	14	29	88

North Coastal Orange County	2.91 Acres	25	50	100	200	500
NOx	151	147	158	183	248	
CO	1189	1324	1794	3001	8033	
PM10	9	28	42	69	151	
PM2.5	6	8	14	29	88	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
18	2	18	3
Distance Increment Below			
25			
Distance Increment Above			
25			

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

Construction Localized Significance Thresholds: Fine Grading + 2020 Building Construction + Asphalt Paving + 2020 Architectural Coating + Finishing/Landscaping

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
18	1.00	25	82	2.91

Source Receptor Distance (meters)	North Coastal Orange County	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
	25	Tractors	0.5	0.0625	1	8	0.5
NOx	92	Graders	0.5	0.0625			0
CO	647	Dozers	0.5	0.0625	1	8	0.5
PM10	4.00	Scrapers	1	0.125			0
PM2.5	3.00					Acres	1.00

	Acres	25	50	100	200	500
NOx	1	92	93	108	140	219
	1	92	93	108	140	219
		92	93	108	140	219
CO	1	647	738	1090	2096	6841
	1	647	738	1090	2096	6841
		647	738	1090	2096	6841
PM10	1	4	13	27	54	135
	1	4	13	27	54	135
		4	13	27	54	135
PM2.5	1	3	5	9	22	76
	1	3	5	9	22	76
		3	5	9	22	76

North Coastal Orange County	Acres	25	50	100	200	500
1.00 Acres						
NOx	25	92	93	108	140	219
CO	647	738	1090	2096	6841	
PM10	4	13	27	54	135	
PM2.5	3	5	9	22	76	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
18	1	18	1
Distance Increment Below			
25			
Distance Increment Above			
25			

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

Construction Localized Significance Thresholds: Building Construction + Architectural Coating 2019-2020

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
18	1.00	25	82	2.91

Source Receptor Distance (meters)	North Coastal Orange County	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
	25	Tractors	0.5	0.0625			0
NOx	92	Graders	0.5	0.0625			0
CO	647	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	92	93	108	140	219
	1	92	93	108	140	219
		92	93	108	140	219
CO	1	647	738	1090	2096	6841
	1	647	738	1090	2096	6841
		647	738	1090	2096	6841
PM10	1	4	13	27	54	135
	1	4	13	27	54	135
		4	13	27	54	135
PM2.5	1	3	5	9	22	76
	1	3	5	9	22	76
		3	5	9	22	76

North Coastal Orange County	1.00 Acres	25	50	100	200	500
NOx	92	93	108	140	219	
CO	647	738	1090	2096	6841	
PM10	4	13	27	54	135	
PM2.5	3	5	9	22	76	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
18	1	18	1
Distance Increment Below			
25			
Distance Increment Above			
25			

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

Construction Localized Significance Thresholds: Building Construction + Architectural Coating 2021

SRA No.	Acres	Source Receptor		Project site Acreage Disturbed
		Distance (meters)	Source Receptor Distance (Feet)	
18	1.00	25	82	2.91

Source Receptor	North Coastal Orange County	Equipment	Acres/8-hr Day	Acres/Hr	Equipment Used	Number of Hrs	Acres
Distance (meters)	25	Tractors	0.5	0.0625			0
NOx	92	Graders	0.5	0.0625			0
CO	647	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	92	93	108	140	219
	1	92	93	108	140	219
CO	1	647	738	1090	2096	6841
	1	647	738	1090	2096	6841
PM10	1	4	13	27	54	135
	1	4	13	27	54	135
PM2.5	1	3	5	9	22	76
	1	3	5	9	22	76
North Coastal Orange County						
1.00 Acres						
NOx	25	92	93	108	140	219
CO	647	738	1090	2096	6841	
PM10	4	13	27	54	135	
PM2.5	3	5	9	22	76	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
18	1	18	1
Distance Increment Below			
25			
Distance Increment Above			
25			

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

Vivante Senior Living Construction - Orange County, Annual

**Vivante Senior Living Construction
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.71	1000sqft	0.64	0.00	0
Other Non-Asphalt Surfaces	52.37	1000sqft	1.20	0.00	0
Parking Lot	20.39	1000sqft	0.47	20,387.00	0
Congregate Care (Assisted Living)	99.00	Dwelling Unit	0.60	184,309.00	283

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	18			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SQFT set to 0 for non-paintable surfaces.

Construction Phase - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

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Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Trips and VMT - Refer to CalEEMod inputs.

Demolition -

Grading -

Architectural Coating - 75% of interior painted, 10% of exterior painted, 0 VOC - Mitigation

Woodstoves - No fireplaces or woodstoves

Area Coating - 75% interior painted, 10% exterior painted

Water And Wastewater - Refert to CalEEMod inputs

Construction Off-road Equipment Mitigation - SCAQMD 403 & 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	124,409.00	12,441.00
tblArchitecturalCoating	ConstArea_Residential_Interior	373,226.00	279,919.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblAreaCoating	Area_Residential_Exterior	124409	12391
tblAreaCoating	Area_Residential_Interior	373226	278789
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	329.00
tblConstructionPhase	NumDays	220.00	329.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	66.00
tblFireplaces	NumberGas	84.15	0.00
tblFireplaces	NumberNoFireplace	9.90	0.00
tblFireplaces	NumberWood	4.95	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.66

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	3.4030e-003
tblFleetMix	LHD2	5.7910e-003	1.2230e-003
tblFleetMix	MCY	4.8960e-003	8.4240e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.6600e-004	0.00
tblFleetMix	MHD	0.03	5.3740e-003
tblFleetMix	OBUS	1.7130e-003	0.00
tblFleetMix	SBUS	5.9000e-004	0.00
tblFleetMix	UBUS	1.5530e-003	0.00
tblGrading	MaterialImported	0.00	75.00
tblGrading	MaterialImported	0.00	384.00
tblLandUse	LandUseSquareFeet	27,710.00	0.00
tblLandUse	LandUseSquareFeet	52,370.00	0.00
tblLandUse	LandUseSquareFeet	20,390.00	20,387.00
tblLandUse	LandUseSquareFeet	99,000.00	184,309.00
tblLandUse	LotAcreage	6.19	0.60
tblOffRoadEquipment	HorsePower	231.00	173.00
tblOffRoadEquipment	HorsePower	89.00	130.00
tblOffRoadEquipment	HorsePower	97.00	55.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	257.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	65.00	232.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblTripsAndVMT	HaulingTripNumber	9.00	10.00
tblTripsAndVMT	HaulingTripNumber	227.00	256.00
tblTripsAndVMT	HaulingTripNumber	130.00	147.00
tblTripsAndVMT	HaulingTripNumber	99.00	200.00
tblTripsAndVMT	HaulingTripNumber	48.00	52.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,450,248.54	18,799,325.00
tblWater	OutdoorWaterUseRate	4,066,461.03	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	4.95	0.00
tblWoodstoves	NumberNoncatalytic	4.95	0.00

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					
2019	0.2807	2.7393	1.6532	5.0700e-003	0.3088	0.1139	0.4227	0.1330	0.1058	0.2388	0.0000	470.4571	470.4571	0.1033	0.0000	473.0406
2020	0.2310	1.8875	1.5209	3.5800e-003	0.2852	0.0864	0.3715	0.1136	0.0795	0.1932	0.0000	323.6617	323.6617	0.0568	0.0000	325.0823
2021	6.1000e-004	4.3900e-003	4.6000e-003	1.0000e-005	5.7000e-004	2.0000e-004	7.7000e-004	1.5000e-004	1.8000e-004	3.3000e-004	0.0000	0.9960	0.9960	1.5000e-004	0.0000	0.9998

Maximum	0.2807	2.7393	1.6532	5.0700e-003	0.3088	0.1139	0.4227	0.1330	0.1058	0.2388	0.0000	470.4571	470.4571	0.1033	0.0000	473.0406
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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					
2019	0.0867	0.6032	2.1936	5.0700e-003	0.1621	0.0113	0.1735	0.0651	0.0110	0.0760	0.0000	470.4566	470.4566	0.1033	0.0000	473.0401
2020	0.0933	0.3583	1.6166	3.5800e-003	0.1976	4.4200e-003	0.2020	0.0691	4.3400e-003	0.0734	0.0000	323.6616	323.6616	0.0568	0.0000	325.0822
2021	3.0000e-004	1.0200e-003	4.9000e-003	1.0000e-005	5.3000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.9960	0.9960	1.5000e-004	0.0000	0.9998
Maximum	0.0933	0.6032	2.1936	5.0700e-003	0.1976	0.0113	0.2020	0.0691	0.0110	0.0760	0.0000	470.4566	470.4566	0.1033	0.0000	473.0401

	ROG	NOx	CO	SO2	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	64.81	79.22	-20.02	0.00	39.41	92.14	52.71	45.60	91.73	65.39	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2019	9-30-2019	2.8095	0.7880
2	10-1-2019	12-31-2019	0.3990	0.1005
3	1-1-2020	3-31-2020	0.3588	0.0929
4	4-1-2020	6-30-2020	0.3564	0.0905
5	7-1-2020	9-30-2020	0.3604	0.0915
6	10-1-2020	12-31-2020	1.0428	0.1749
7	1-1-2021	3-31-2021	0.0036	0.0009
		Highest	2.8095	0.7880

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	7/1/2019	9/30/2019	5	66	
2	OCMA - Building Demo Debris Haul	Demolition	7/1/2019	7/2/2019	5	2	
3	Admin Office - Building Demo Debris Haul	Demolition	7/1/2019	7/9/2019	5	7	
4	Asphalt Demolition	Demolition	7/1/2019	7/11/2019	5	9	
5	Site Preparation	Site Preparation	7/1/2019	9/30/2019	5	66	
6	Rough Grading Soil Haul	Grading	7/1/2019	9/20/2019	5	60	
7	Excavation and Trenching	Trenching	7/1/2019	9/30/2019	5	66	
8	Building Construction	Building Construction	10/1/2019	1/1/2021	5	329	
9	Architectural Coating	Architectural Coating	10/1/2019	1/1/2021	5	329	
10	Fine Grading	Grading	10/1/2020	12/1/2020	5	44	
11	Fine Grading Soil Haul	Grading	10/1/2020	11/11/2020	5	30	
12	Paving/Finishing/Landscaping	Paving	10/1/2020	12/1/2020	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.31

Residential Indoor: 279,919; Residential Outdoor: 12,441; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Demolition	Excavators	2	8.00	257	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	8.00	232	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	55	0.37
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40

Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	271	0.37
Rough Grading Soil Haul	Graders	0	8.00	187	0.41
Rough Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Excavation and Trenching	Excavators	2	8.00	417	0.38
Excavation and Trenching	Plate Compactors	1	8.00	8	0.43
Excavation and Trenching	Rollers	1	8.00	80	0.38
Excavation and Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Excavation and Trenching	Tractors/Loaders/Backhoes	0	8.00	271	0.37
Excavation and Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
OCMA - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
OCMA - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
OCMA - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Admin Office - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Admin Office - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Admin Office - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	173	0.29
Building Construction	Forklifts	2	8.00	130	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Skid Steer Loaders	1	8.00	65	0.37
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Fine Grading Soil Haul	Graders	0	8.00	187	0.41
Fine Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving/Finishing/Landscaping	Cement and Mortar Mixers	0	8.00	9	0.56
Paving/Finishing/Landscaping	Pavers	0	8.00	130	0.42
Paving/Finishing/Landscaping	Paving Equipment	0	8.00	132	0.36
Paving/Finishing/Landscaping	Rollers	0	8.00	80	0.38
Paving/Finishing/Landscaping	Rubber Tired Dozers	1	8.00	247	0.40
Paving/Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	271	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading Soil Haul	0	0.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Trenching	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
OCMA - Building Demo Debris Haul	0	0.00	0.00	256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Admin Office - Building Demo Debris	0	0.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	2	5.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Soil Haul	0	0.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Finishing/Landscaping	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0740	0.6149	0.3855	1.4600e-003		0.0237	0.0237		0.0227	0.0227	0.0000	141.9871	141.9871	0.0228	0.0000	142.5559
Total	0.0740	0.6149	0.3855	1.4600e-003	0.0000	0.0237	0.0237	0.0000	0.0227	0.0227	0.0000	141.9871	141.9871	0.0228	0.0000	142.5559

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	8.3000e-004	1.0000e-004	9.3000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	2.0700e-003	1.5100e-003	0.0167	5.0000e-005	5.4300e-003	4.0000e-005	5.4700e-003	1.4400e-003	3.0000e-005	1.4800e-003	0.0000	4.8590	4.8590	1.2000e-004	0.0000	4.8620
Total	2.5700e-003	0.0168	0.0209	8.0000e-005	6.2600e-003	1.4000e-004	6.4000e-003	1.6800e-003	1.3000e-004	1.8200e-003	0.0000	8.0945	8.0945	4.0000e-004	0.0000	8.1046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0192	0.1358	0.6873	1.4600e-003		2.3700e-003	2.3700e-003		2.3700e-003	2.3700e-003	0.0000	141.9869	141.9869	0.0228	0.0000	142.5558
Total	0.0192	0.1358	0.6873	1.4600e-003	0.0000	2.3700e-003	2.3700e-003	0.0000	2.3700e-003	2.3700e-003	0.0000	141.9869	141.9869	0.0228	0.0000	142.5558

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	2.0700e-003	1.5100e-003	0.0167	5.0000e-005	5.0100e-003	4.0000e-005	5.0500e-003	1.3400e-003	3.0000e-005	1.3700e-003	0.0000	4.8590	4.8590	1.2000e-004	0.0000	4.8620
Total	2.5700e-003	0.0168	0.0209	8.0000e-005	5.7900e-003	1.4000e-004	5.9300e-003	1.5700e-003	1.3000e-004	1.6900e-003	0.0000	8.0945	8.0945	4.0000e-004	0.0000	8.1046

3.3 OCMA - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0246	0.0000	0.0246	3.7300e-003	0.0000	3.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0246	0.0000	0.0246	3.7300e-003	0.0000	3.7300e-003	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.1900e-003	1.5000e-004	2.3400e-003	6.0000e-004	1.4000e-004	7.4000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.1900e-003	1.5000e-004	2.3400e-003	6.0000e-004	1.4000e-004	7.4000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0105	0.0000	0.0105	1.5900e-003	0.0000	1.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0105	0.0000	0.0105	1.5900e-003	0.0000	1.5900e-003	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.0400e-003	1.5000e-004	2.1900e-003	5.7000e-004	1.4000e-004	7.1000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.0400e-003	1.5000e-004	2.1900e-003	5.7000e-004	1.4000e-004	7.1000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803

3.4 Admin Office - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0141	0.0000	0.0141	2.1300e-003	0.0000	2.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0141	0.0000	0.0141	2.1300e-003	0.0000	2.1300e-003	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
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Category	tons/yr										MT/yr					
	Hauling	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.2600e-003	8.0000e-005	1.3400e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.2600e-003	8.0000e-005	1.3400e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000	5.7309

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
	tons/yr										MT/yr					
Fugitive Dust					6.0200e-003	0.0000	6.0200e-003	9.1000e-004	0.0000	9.1000e-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	6.0200e-003	0.0000	6.0200e-003	9.1000e-004	0.0000	9.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated 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	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.1700e-003	8.0000e-005	1.2600e-003	3.2000e-004	8.0000e-005	4.1000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000	5.7309
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.1700e-003	8.0000e-005	1.2600e-003	3.2000e-004	8.0000e-005	4.1000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000	5.7309
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3.5 Asphalt Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0107	0.0000	0.0107	1.6200e-003	0.0000	1.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0107	0.0000	0.0107	1.6200e-003	0.0000	1.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.7100e-003	1.1000e-004	1.8300e-003	4.7000e-004	1.1000e-004	5.8000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.7100e-003	1.1000e-004	1.8300e-003	4.7000e-004	1.1000e-004	5.8000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.5700e-003	0.0000	4.5700e-003	6.9000e-004	0.0000	6.9000e-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	4.5700e-003	0.0000	4.5700e-003	6.9000e-004	0.0000	6.9000e-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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.6000e-003	1.1000e-004	1.7100e-003	4.4000e-004	1.1000e-004	5.5000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.6000e-003	1.1000e-004	1.7100e-003	4.4000e-004	1.1000e-004	5.5000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971

3.6 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0587	0.6571	0.2907	8.7000e-004		0.0277	0.0277		0.0254	0.0254	0.0000	78.4330	78.4330	0.0248	0.0000	79.0534
Total	0.0587	0.6571	0.2907	8.7000e-004	0.1987	0.0277	0.2264	0.1092	0.0254	0.1347	0.0000	78.4330	78.4330	0.0248	0.0000	79.0534

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	8.3000e-004	1.0000e-004	9.3000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	1.1000e-003	8.0000e-004	8.9300e-003	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5915	2.5915	6.0000e-005	0.0000	2.5931
Total	1.6000e-003	0.0161	0.0131	6.0000e-005	3.7300e-003	1.2000e-004	3.8500e-003	1.0100e-003	1.2000e-004	1.1300e-003	0.0000	5.8270	5.8270	3.4000e-004	0.0000	5.8356

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0850	0.0000	0.0850	0.0467	0.0000	0.0467	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.1520	0.3231	8.7000e-004		4.3800e-003	4.3800e-003		4.1100e-003	4.1100e-003	0.0000	78.4329	78.4329	0.0248	0.0000	79.0533
Total	0.0162	0.1520	0.3231	8.7000e-004	0.0850	4.3800e-003	0.0893	0.0467	4.1100e-003	0.0508	0.0000	78.4329	78.4329	0.0248	0.0000	79.0533

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	1.1000e-003	8.0000e-004	8.9300e-003	3.0000e-005	2.6700e-003	2.0000e-005	2.6900e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.5915	2.5915	6.0000e-005	0.0000	2.5931
Total	1.6000e-003	0.0161	0.0131	6.0000e-005	3.4500e-003	1.2000e-004	3.5700e-003	9.4000e-004	1.2000e-004	1.0500e-003	0.0000	5.8270	5.8270	3.4000e-004	0.0000	5.8356

3.7 Rough Grading Soil Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000	2.0272

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
	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated 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	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000	2.0272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000	2.0272
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3.8 Excavation and Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0915	0.9633	0.5686	1.4900e-003		0.0456	0.0456		0.0420	0.0420	0.0000	133.0569	133.0569	0.0419	0.0000	134.1039
Total	0.0915	0.9633	0.5686	1.4900e-003		0.0456	0.0456		0.0420	0.0420	0.0000	133.0569	133.0569	0.0419	0.0000	134.1039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	8.3000e-004	1.0000e-004	9.3000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	2.4800e-003	1.8100e-003	0.0201	6.0000e-005	6.5200e-003	4.0000e-005	6.5700e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	5.8308	5.8308	1.4000e-004	0.0000	5.8344
Total	2.9800e-003	0.0171	0.0243	9.0000e-005	7.3500e-003	1.4000e-004	7.5000e-003	1.9700e-003	1.4000e-004	2.1100e-003	0.0000	9.0663	9.0663	4.2000e-004	0.0000	9.0770

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0194	0.0867	0.7593	1.4900e-003		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	133.0568	133.0568	0.0419	0.0000	134.1037
Total	0.0194	0.0867	0.7593	1.4900e-003		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	133.0568	133.0568	0.0419	0.0000	134.1037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	2.4800e-003	1.8100e-003	0.0201	6.0000e-005	6.0100e-003	4.0000e-005	6.0600e-003	1.6100e-003	4.0000e-005	1.6500e-003	0.0000	5.8308	5.8308	1.4000e-004	0.0000	5.8344
Total	2.9800e-003	0.0171	0.0243	9.0000e-005	6.7900e-003	1.4000e-004	6.9400e-003	1.8400e-003	1.4000e-004	1.9700e-003	0.0000	9.0663	9.0663	4.2000e-004	0.0000	9.0770

3.9 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0282	0.2907	0.2046	2.9000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090
Total	0.0282	0.2907	0.2046	2.9000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7600e-003	0.0535	0.0146	1.1000e-004	2.9100e-003	3.6000e-004	3.2700e-003	8.4000e-004	3.4000e-004	1.1800e-003	0.0000	11.3242	11.3242	9.9000e-004	0.0000	11.3490
Worker	0.0110	8.0500e-003	0.0893	2.9000e-004	0.0290	2.0000e-004	0.0292	7.7000e-003	1.8000e-004	7.8800e-003	0.0000	25.9147	25.9147	6.4000e-004	0.0000	25.9307
Total	0.0128	0.0615	0.1039	4.0000e-004	0.0319	5.6000e-004	0.0325	8.5400e-003	5.2000e-004	9.0600e-003	0.0000	37.2390	37.2390	1.6300e-003	0.0000	37.2796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5700e-003	0.0155	0.2200	2.9000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090
Total	3.5700e-003	0.0155	0.2200	2.9000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7600e-003	0.0535	0.0146	1.1000e-004	2.7200e-003	3.6000e-004	3.0800e-003	7.9000e-004	3.4000e-004	1.1300e-003	0.0000	11.3242	11.3242	9.9000e-004	0.0000	11.3490
Worker	0.0110	8.0500e-003	0.0893	2.9000e-004	0.0267	2.0000e-004	0.0269	7.1400e-003	1.8000e-004	7.3200e-003	0.0000	25.9147	25.9147	6.4000e-004	0.0000	25.9307
Total	0.0128	0.0615	0.1039	4.0000e-004	0.0294	5.6000e-004	0.0300	7.9300e-003	5.2000e-004	8.4500e-003	0.0000	37.2390	37.2390	1.6300e-003	0.0000	37.2796

3.9 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1029	1.0444	0.8033	1.1500e-003		0.0561	0.0561		0.0516	0.0516	0.0000	101.3624	101.3624	0.0328	0.0000	102.1819
Total	0.1029	1.0444	0.8033	1.1500e-003		0.0561	0.0561		0.0516	0.0516	0.0000	101.3624	101.3624	0.0328	0.0000	102.1819

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	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	5.9700e-003	0.1945	0.0529	4.5000e-004	0.0116	1.0000e-003	0.0126	3.3300e-003	9.6000e-004	4.2900e-003	0.0000	44.6442	44.6442	3.7300e-003	0.0000	44.7375
Worker	0.0409	0.0286	0.3249	1.1000e-003	0.1151	7.7000e-004	0.1158	0.0306	7.1000e-004	0.0313	0.0000	99.5768	99.5768	2.2700e-003	0.0000	99.6336
Total	0.0468	0.2231	0.3778	1.5500e-003	0.1266	1.7700e-003	0.1284	0.0339	1.6700e-003	0.0356	0.0000	144.2210	144.2210	6.0000e-003	0.0000	144.3711

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
	tons/yr										MT/yr					
Off-Road	0.0142	0.0614	0.8734	1.1500e-003		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	101.3622	101.3622	0.0328	0.0000	102.1818
Total	0.0142	0.0614	0.8734	1.1500e-003		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	101.3622	101.3622	0.0328	0.0000	102.1818

Mitigated 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	5.9700e-003	0.1945	0.0529	4.5000e-004	0.0108	1.0000e-003	0.0118	3.1500e-003	9.6000e-004	4.1100e-003	0.0000	44.6442	44.6442	3.7300e-003	0.0000	44.7375
Worker	0.0409	0.0286	0.3249	1.1000e-003	0.1061	7.7000e-004	0.1069	0.0284	7.1000e-004	0.0291	0.0000	99.5768	99.5768	2.2700e-003	0.0000	99.6336

Total	0.0468	0.2231	0.3778	1.5500e-003	0.1169	1.7700e-003	0.1187	0.0315	1.6700e-003	0.0332	0.0000	144.2210	144.2210	6.0000e-003	0.0000	144.3711
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3.9 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6000e-004	3.6000e-003	3.0400e-003	0.0000		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900
Total	3.6000e-004	3.6000e-003	3.0400e-003	0.0000		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.7000e-004	1.9000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1689	0.1689	1.0000e-005	0.0000	0.1693
Worker	1.5000e-004	1.0000e-004	1.1500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3669	0.3669	1.0000e-005	0.0000	0.3671
Total	1.7000e-004	7.7000e-004	1.3400e-003	0.0000	4.8000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.5358	0.5358	2.0000e-005	0.0000	0.5363

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0000e-005	2.3000e-004	3.3300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900
Total	5.0000e-005	2.3000e-004	3.3300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.7000e-004	1.9000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1689	0.1689	1.0000e-005	0.0000	0.1693
Worker	1.5000e-004	1.0000e-004	1.1500e-003	0.0000	4.0000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3669	0.3669	1.0000e-005	0.0000	0.3671
Total	1.7000e-004	7.7000e-004	1.3400e-003	0.0000	4.4000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.5358	0.5358	2.0000e-005	0.0000	0.5363

3.10 Architectural Coating - 2019

Unmitigated Construction On-Site

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

Archit. Coating	3.4600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.4600e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.8000e-003	4.0000e-005	5.8400e-003	1.5400e-003	4.0000e-005	1.5800e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861
Total	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.8000e-003	4.0000e-005	5.8400e-003	1.5400e-003	4.0000e-005	1.5800e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.4600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.4600e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.3400e-003	4.0000e-005	5.3800e-003	1.4300e-003	4.0000e-005	1.4600e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861
Total	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.3400e-003	4.0000e-005	5.3800e-003	1.4300e-003	4.0000e-005	1.4600e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861

3.10 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0137	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0230	1.5000e-004	0.0232	6.1100e-003	1.4000e-004	6.2500e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267
Total	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0230	1.5000e-004	0.0232	6.1100e-003	1.4000e-004	6.2500e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267

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
	tons/yr										MT/yr					
Archit. Coating	0.0137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0137	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0212	1.5000e-004	0.0214	5.6700e-003	1.4000e-004	5.8100e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267

Total	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0212	1.5000e-004	0.0214	5.6700e-003	1.4000e-004	5.8100e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267
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3.10 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.0000e-005						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734

3.11 Fine Grading - 2020

Unmitigated Construction On-Site

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

Fugitive Dust					0.1325	0.0000	0.1325	0.0728	0.0000	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0255	0.2727	0.1215	2.3000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6730
Total	0.0255	0.2727	0.1215	2.3000e-004	0.1325	0.0132	0.1457	0.0728	0.0122	0.0850	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6730

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.9000e-004	9.3300e-003	2.5400e-003	2.0000e-005	5.5000e-004	5.0000e-005	6.0000e-004	1.6000e-004	5.0000e-005	2.1000e-004	0.0000	2.1421	2.1421	1.8000e-004	0.0000	2.1466
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	7.2000e-004	9.6300e-003	5.9500e-003	3.0000e-005	1.7600e-003	6.0000e-005	1.8200e-003	4.8000e-004	6.0000e-005	5.4000e-004	0.0000	3.1873	3.1873	2.0000e-004	0.0000	3.1924

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0566	0.0000	0.0566	0.0311	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-003	0.0366	0.1208	2.3000e-004		-0.0001	-0.0001		-0.0001	-0.0001	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6729
Total	3.1000e-003	0.0366	0.1208	2.3000e-004	0.0566	-0.0001	0.0566	0.0311	-0.0001	0.0311	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6729

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.9000e-004	9.3300e-003	2.5400e-003	2.0000e-005	5.2000e-004	5.0000e-005	5.7000e-004	1.5000e-004	5.0000e-005	2.0000e-004	0.0000	2.1421	2.1421	1.8000e-004	0.0000	2.1466
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	7.2000e-004	9.6300e-003	5.9500e-003	3.0000e-005	1.6300e-003	6.0000e-005	1.6900e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	3.1873	3.1873	2.0000e-004	0.0000	3.1924

3.12 Fine Grading Soil Haul - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	4.0000e-005	1.4200e-003	3.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-005	1.4200e-003	3.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000	0.3855

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4200e-003	3.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000	0.3855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-005	1.4200e-003	3.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000	0.3855
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3.13 Paving/Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0313	0.3302	0.1437	3.8000e-004		0.0151	0.0151		0.0139	0.0139	0.0000	33.0389	33.0389	0.0107	0.0000	33.3060
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0327	0.3302	0.1437	3.8000e-004		0.0151	0.0151		0.0139	0.0139	0.0000	33.0389	33.0389	0.0107	0.0000	33.3060

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.6300e-003	0.0201	0.1699	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.0388	33.0388	0.0107	0.0000	33.3060
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.0800e-003	0.0201	0.1699	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.0388	33.0388	0.0107	0.0000	33.3060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458

Vivante Senior Living Construction - Modified Mitigation - Orange County, Annual

**Vivante Senior Living Construction - Modified Mitigation
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.71	1000sqft	0.64	0.00	0
Other Non-Asphalt Surfaces	52.37	1000sqft	1.20	0.00	0
Parking Lot	20.39	1000sqft	0.47	20,387.00	0
Congregate Care (Assisted Living)	99.00	Dwelling Unit	0.60	184,309.00	283

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	18			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - SQFT set to 0 for non-paintable surfaces.
- Construction Phase - Refer to CalEEMod inputs.
- Off-road Equipment - Refer to CalEEMod inputs.
- Off-road Equipment - Refer to CalEEMod inputs.
- Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

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Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Trips and VMT - Refer to CalEEMod inputs.

Demolition -

Grading -

Architectural Coating - 75% of interior painted, 10% of exterior painted, 0 VOC - Mitigation

Woodstoves - No fireplaces or woodstoves

Area Coating - 75% interior painted, 10% exterior painted

Water And Wastewater - Refert to CalEEMod inputs

Construction Off-road Equipment Mitigation - SCAQMD 403 & 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	124,409.00	12,441.00
tblArchitecturalCoating	ConstArea_Residential_Interior	373,226.00	279,919.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblAreaCoating	Area_Residential_Exterior	124409	12391
tblAreaCoating	Area_Residential_Interior	373226	278789
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	329.00
tblConstructionPhase	NumDays	220.00	329.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	66.00
tblFireplaces	NumberGas	84.15	0.00
tblFireplaces	NumberNoFireplace	9.90	0.00
tblFireplaces	NumberWood	4.95	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.66

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	3.4030e-003
tblFleetMix	LHD2	5.7910e-003	1.2230e-003
tblFleetMix	MCY	4.8960e-003	8.4240e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.6600e-004	0.00
tblFleetMix	MHD	0.03	5.3740e-003
tblFleetMix	OBUS	1.7130e-003	0.00
tblFleetMix	SBUS	5.9000e-004	0.00
tblFleetMix	UBUS	1.5530e-003	0.00
tblGrading	MaterialImported	0.00	75.00
tblGrading	MaterialImported	0.00	384.00
tblLandUse	LandUseSquareFeet	27,710.00	0.00
tblLandUse	LandUseSquareFeet	52,370.00	0.00
tblLandUse	LandUseSquareFeet	20,390.00	20,387.00
tblLandUse	LandUseSquareFeet	99,000.00	184,309.00
tblLandUse	LotAcreage	6.19	0.60
tblOffRoadEquipment	HorsePower	231.00	173.00
tblOffRoadEquipment	HorsePower	89.00	130.00
tblOffRoadEquipment	HorsePower	97.00	55.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	257.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	65.00	232.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblTripsAndVMT	HaulingTripNumber	9.00	10.00
tblTripsAndVMT	HaulingTripNumber	227.00	256.00
tblTripsAndVMT	HaulingTripNumber	130.00	147.00
tblTripsAndVMT	HaulingTripNumber	99.00	200.00
tblTripsAndVMT	HaulingTripNumber	48.00	52.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,450,248.54	18,799,325.00
tblWater	OutdoorWaterUseRate	4,066,461.03	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	4.95	0.00
tblWoodstoves	NumberNoncatalytic	4.95	0.00

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					
2019	0.2854	2.7776	1.6778	5.1600e-003	0.3092	0.1154	0.4245	0.1331	0.1072	0.2403	0.0000	479.5529	479.5529	0.1047	0.0000	482.1715
2020	0.2310	1.8875	1.5209	3.5800e-003	0.2852	0.0864	0.3715	0.1136	0.0795	0.1932	0.0000	323.6617	323.6617	0.0568	0.0000	325.0823
2021	6.1000e-004	4.3900e-003	4.6000e-003	1.0000e-005	5.7000e-004	2.0000e-004	7.7000e-004	1.5000e-004	1.8000e-004	3.3000e-004	0.0000	0.9960	0.9960	1.5000e-004	0.0000	0.9998

Maximum	0.2854	2.7776	1.6778	5.1600e-003	0.3092	0.1154	0.4245	0.1331	0.1072	0.2403	0.0000	479.5529	479.5529	0.1047	0.0000	482.1715
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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					
2019	0.0880	0.6124	2.2365	5.1600e-003	0.1625	0.0115	0.1740	0.0651	0.0111	0.0763	0.0000	479.5525	479.5525	0.1047	0.0000	482.1710
2020	0.0933	0.3583	1.6166	3.5800e-003	0.1976	4.4200e-003	0.2020	0.0691	4.3400e-003	0.0734	0.0000	323.6616	323.6616	0.0568	0.0000	325.0822
2021	3.0000e-004	1.0200e-003	4.9000e-003	1.0000e-005	5.3000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.9960	0.9960	1.5000e-004	0.0000	0.9998
Maximum	0.0933	0.6124	2.2365	5.1600e-003	0.1976	0.0115	0.2020	0.0691	0.0111	0.0763	0.0000	479.5525	479.5525	0.1047	0.0000	482.1710

	ROG	NOx	CO	SO2	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	64.87	79.19	-20.44	0.00	39.39	92.12	52.75	45.58	91.71	65.45	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2019	9-30-2019	2.7817	0.7601
2	10-1-2019	12-31-2019	0.3990	0.1005
3	1-1-2020	3-31-2020	0.3588	0.0929
4	4-1-2020	6-30-2020	0.3564	0.0905
5	7-1-2020	9-30-2020	0.3604	0.0915
6	10-1-2020	12-31-2020	1.0428	0.1749
7	1-1-2021	3-31-2021	0.0036	0.0009
		Highest	2.7817	0.7601

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	6/25/2019	9/30/2019	5	70	
2	OCMA - Building Demo Debris Haul	Demolition	6/25/2019	6/28/2019	5	4	
3	Admin Office - Building Demo Debris Haul	Demolition	7/1/2019	7/9/2019	5	7	
4	Asphalt Demolition	Demolition	7/1/2019	7/11/2019	5	9	
5	Site Preparation	Site Preparation	7/1/2019	9/30/2019	5	66	
6	Rough Grading Soil Haul	Grading	7/1/2019	9/20/2019	5	60	
7	Excavation and Trenching	Trenching	7/1/2019	9/30/2019	5	66	
8	Building Construction	Building Construction	10/1/2019	1/1/2021	5	329	
9	Architectural Coating	Architectural Coating	10/1/2019	1/1/2021	5	329	
10	Fine Grading	Grading	10/1/2020	12/1/2020	5	44	
11	Fine Grading Soil Haul	Grading	10/1/2020	11/11/2020	5	30	
12	Paving/Finishing/Landscaping	Paving	10/1/2020	12/1/2020	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.31

Residential Indoor: 279,919; Residential Outdoor: 12,441; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Demolition	Excavators	2	8.00	257	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	8.00	232	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	55	0.37
OCMA - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
OCMA - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
OCMA - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Admin Office - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Admin Office - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Admin Office - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	271	0.37
Rough Grading Soil Haul	Graders	0	8.00	187	0.41
Rough Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Excavation and Trenching	Excavators	2	8.00	417	0.38
Excavation and Trenching	Plate Compactors	1	8.00	8	0.43
Excavation and Trenching	Rollers	1	8.00	80	0.38
Excavation and Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Excavation and Trenching	Tractors/Loaders/Backhoes	0	8.00	271	0.37
Excavation and Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	173	0.29
Building Construction	Forklifts	2	8.00	130	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Skid Steer Loaders	1	8.00	65	0.37
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Fine Grading Soil Haul	Graders	0	8.00	187	0.41
Fine Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving/Finishing/Landscaping	Cement and Mortar Mixers	0	8.00	9	0.56
Paving/Finishing/Landscaping	Pavers	0	8.00	130	0.42
Paving/Finishing/Landscaping	Paving Equipment	0	8.00	132	0.36
Paving/Finishing/Landscaping	Rollers	0	8.00	80	0.38
Paving/Finishing/Landscaping	Rubber Tired Dozers	1	8.00	247	0.40
Paving/Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	271	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
OCMA - Building	0	0.00	0.00	256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Debris Haul	0	0.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Admin Office - Building Demo Debris	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Asphalt Demolition	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading Soil	0	0.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Haul	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Trenching	3	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	5.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	0	0.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Soil Haul	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Finishing/Landscaping	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0785	0.6522	0.4088	1.5500e-003		0.0251	0.0251		0.0241	0.0241	0.0000	150.5924	150.5924	0.0241	0.0000	151.1957
Total	0.0785	0.6522	0.4088	1.5500e-003	0.0000	0.0251	0.0251	0.0000	0.0241	0.0241	0.0000	150.5924	150.5924	0.0241	0.0000	151.1957

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-004	0.0162	4.4100e-003	3.0000e-005	8.8000e-004	1.1000e-004	9.9000e-004	2.5000e-004	1.0000e-004	3.6000e-004	0.0000	3.4316	3.4316	3.0000e-004	0.0000	3.4391
Worker	2.1900e-003	1.6000e-003	0.0178	6.0000e-005	5.7600e-003	4.0000e-005	5.8000e-003	1.5300e-003	4.0000e-005	1.5700e-003	0.0000	5.1535	5.1535	1.3000e-004	0.0000	5.1567
Total	2.7200e-003	0.0178	0.0222	9.0000e-005	6.6400e-003	1.5000e-004	6.7900e-003	1.7800e-003	1.4000e-004	1.9300e-003	0.0000	8.5851	8.5851	4.3000e-004	0.0000	8.5958

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1440	0.7290	1.5500e-003		2.5100e-003	2.5100e-003		2.5100e-003	2.5100e-003	0.0000	150.5922	150.5922	0.0241	0.0000	151.1955
Total	0.0204	0.1440	0.7290	1.5500e-003	0.0000	2.5100e-003	2.5100e-003	0.0000	2.5100e-003	2.5100e-003	0.0000	150.5922	150.5922	0.0241	0.0000	151.1955

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-004	0.0162	4.4100e-003	3.0000e-005	8.3000e-004	1.1000e-004	9.3000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.4316	3.4316	3.0000e-004	0.0000	3.4391
Worker	2.1900e-003	1.6000e-003	0.0178	6.0000e-005	5.3100e-003	4.0000e-005	5.3500e-003	1.4200e-003	4.0000e-005	1.4600e-003	0.0000	5.1535	5.1535	1.3000e-004	0.0000	5.1567
Total	2.7200e-003	0.0178	0.0222	9.0000e-005	6.1400e-003	1.5000e-004	6.2800e-003	1.6600e-003	1.4000e-004	1.8000e-003	0.0000	8.5851	8.5851	4.3000e-004	0.0000	8.5958

3.3 OCMA - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0246	0.0000	0.0246	3.7300e-003	0.0000	3.7300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0246	0.0000	0.0246	3.7300e-003	0.0000	3.7300e-003	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.1900e-003	1.5000e-004	2.3400e-003	6.0000e-004	1.4000e-004	7.4000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.1900e-003	1.5000e-004	2.3400e-003	6.0000e-004	1.4000e-004	7.4000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0105	0.0000	0.0105	1.5900e-003	0.0000	1.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0105	0.0000	0.0105	1.5900e-003	0.0000	1.5900e-003	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.0400e-003	1.5000e-004	2.1900e-003	5.7000e-004	1.4000e-004	7.1000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0800e-003	0.0392	9.3300e-003	1.0000e-004	2.0400e-003	1.5000e-004	2.1900e-003	5.7000e-004	1.4000e-004	7.1000e-004	0.0000	9.9538	9.9538	1.0600e-003	0.0000	9.9803

3.4 Admin Office - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0141	0.0000	0.0141	2.1300e-003	0.0000	2.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0141	0.0000	0.0141	2.1300e-003	0.0000	2.1300e-003	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
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Category	tons/yr										MT/yr					
	Hauling	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.2600e-003	8.0000e-005	1.3400e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.2600e-003	8.0000e-005	1.3400e-003	3.5000e-004	8.0000e-005	4.3000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000	5.7309

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
	tons/yr										MT/yr					
Fugitive Dust					6.0200e-003	0.0000	6.0200e-003	9.1000e-004	0.0000	9.1000e-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	6.0200e-003	0.0000	6.0200e-003	9.1000e-004	0.0000	9.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated 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	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.1700e-003	8.0000e-005	1.2600e-003	3.2000e-004	8.0000e-005	4.1000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000	5.7309
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.2000e-004	0.0225	5.3600e-003	6.0000e-005	1.1700e-003	8.0000e-005	1.2600e-003	3.2000e-004	8.0000e-005	4.1000e-004	0.0000	5.7157	5.7157	6.1000e-004	0.0000	5.7309
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3.5 Asphalt Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0107	0.0000	0.0107	1.6200e-003	0.0000	1.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0107	0.0000	0.0107	1.6200e-003	0.0000	1.6200e-003	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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.7100e-003	1.1000e-004	1.8300e-003	4.7000e-004	1.1000e-004	5.8000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.7100e-003	1.1000e-004	1.8300e-003	4.7000e-004	1.1000e-004	5.8000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.5700e-003	0.0000	4.5700e-003	6.9000e-004	0.0000	6.9000e-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	4.5700e-003	0.0000	4.5700e-003	6.9000e-004	0.0000	6.9000e-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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.6000e-003	1.1000e-004	1.7100e-003	4.4000e-004	1.1000e-004	5.5000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	8.4000e-004	0.0306	7.2900e-003	8.0000e-005	1.6000e-003	1.1000e-004	1.7100e-003	4.4000e-004	1.1000e-004	5.5000e-004	0.0000	7.7764	7.7764	8.3000e-004	0.0000	7.7971

3.6 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1987	0.0000	0.1987	0.1092	0.0000	0.1092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0587	0.6571	0.2907	8.7000e-004		0.0277	0.0277		0.0254	0.0254	0.0000	78.4330	78.4330	0.0248	0.0000	79.0534
Total	0.0587	0.6571	0.2907	8.7000e-004	0.1987	0.0277	0.2264	0.1092	0.0254	0.1347	0.0000	78.4330	78.4330	0.0248	0.0000	79.0534

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	8.3000e-004	1.0000e-004	9.3000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	1.1000e-003	8.0000e-004	8.9300e-003	3.0000e-005	2.9000e-003	2.0000e-005	2.9200e-003	7.7000e-004	2.0000e-005	7.9000e-004	0.0000	2.5915	2.5915	6.0000e-005	0.0000	2.5931
Total	1.6000e-003	0.0161	0.0131	6.0000e-005	3.7300e-003	1.2000e-004	3.8500e-003	1.0100e-003	1.2000e-004	1.1300e-003	0.0000	5.8270	5.8270	3.4000e-004	0.0000	5.8356

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0850	0.0000	0.0850	0.0467	0.0000	0.0467	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0162	0.1520	0.3231	8.7000e-004		4.3800e-003	4.3800e-003		4.1100e-003	4.1100e-003	0.0000	78.4329	78.4329	0.0248	0.0000	79.0533
Total	0.0162	0.1520	0.3231	8.7000e-004	0.0850	4.3800e-003	0.0893	0.0467	4.1100e-003	0.0508	0.0000	78.4329	78.4329	0.0248	0.0000	79.0533

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	1.1000e-003	8.0000e-004	8.9300e-003	3.0000e-005	2.6700e-003	2.0000e-005	2.6900e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.5915	2.5915	6.0000e-005	0.0000	2.5931
Total	1.6000e-003	0.0161	0.0131	6.0000e-005	3.4500e-003	1.2000e-004	3.5700e-003	9.4000e-004	1.2000e-004	1.0500e-003	0.0000	5.8270	5.8270	3.4000e-004	0.0000	5.8356

3.7 Rough Grading Soil Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.5000e-004	3.0000e-005	4.8000e-004	1.2000e-004	3.0000e-005	1.5000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000	2.0272

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000	2.0272
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.2000e-004	7.9600e-003	1.9000e-003	2.0000e-005	4.2000e-004	3.0000e-005	4.5000e-004	1.1000e-004	3.0000e-005	1.4000e-004	0.0000	2.0219	2.0219	2.1000e-004	0.0000	2.0272
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3.8 Excavation and Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0915	0.9633	0.5686	1.4900e-003		0.0456	0.0456		0.0420	0.0420	0.0000	133.0569	133.0569	0.0419	0.0000	134.1039
Total	0.0915	0.9633	0.5686	1.4900e-003		0.0456	0.0456		0.0420	0.0420	0.0000	133.0569	133.0569	0.0419	0.0000	134.1039

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	8.3000e-004	1.0000e-004	9.3000e-004	2.4000e-004	1.0000e-004	3.4000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	2.4800e-003	1.8100e-003	0.0201	6.0000e-005	6.5200e-003	4.0000e-005	6.5700e-003	1.7300e-003	4.0000e-005	1.7700e-003	0.0000	5.8308	5.8308	1.4000e-004	0.0000	5.8344
Total	2.9800e-003	0.0171	0.0243	9.0000e-005	7.3500e-003	1.4000e-004	7.5000e-003	1.9700e-003	1.4000e-004	2.1100e-003	0.0000	9.0663	9.0663	4.2000e-004	0.0000	9.0770

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0194	0.0867	0.7593	1.4900e-003		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	133.0568	133.0568	0.0419	0.0000	134.1037
Total	0.0194	0.0867	0.7593	1.4900e-003		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	133.0568	133.0568	0.0419	0.0000	134.1037

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-004	0.0153	4.1600e-003	3.0000e-005	7.8000e-004	1.0000e-004	8.8000e-004	2.3000e-004	1.0000e-004	3.2000e-004	0.0000	3.2355	3.2355	2.8000e-004	0.0000	3.2426
Worker	2.4800e-003	1.8100e-003	0.0201	6.0000e-005	6.0100e-003	4.0000e-005	6.0600e-003	1.6100e-003	4.0000e-005	1.6500e-003	0.0000	5.8308	5.8308	1.4000e-004	0.0000	5.8344
Total	2.9800e-003	0.0171	0.0243	9.0000e-005	6.7900e-003	1.4000e-004	6.9400e-003	1.8400e-003	1.4000e-004	1.9700e-003	0.0000	9.0663	9.0663	4.2000e-004	0.0000	9.0770

3.9 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0282	0.2907	0.2046	2.9000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090
Total	0.0282	0.2907	0.2046	2.9000e-004		0.0156	0.0156		0.0144	0.0144	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7600e-003	0.0535	0.0146	1.1000e-004	2.9100e-003	3.6000e-004	3.2700e-003	8.4000e-004	3.4000e-004	1.1800e-003	0.0000	11.3242	11.3242	9.9000e-004	0.0000	11.3490
Worker	0.0110	8.0500e-003	0.0893	2.9000e-004	0.0290	2.0000e-004	0.0292	7.7000e-003	1.8000e-004	7.8800e-003	0.0000	25.9147	25.9147	6.4000e-004	0.0000	25.9307
Total	0.0128	0.0615	0.1039	4.0000e-004	0.0319	5.6000e-004	0.0325	8.5400e-003	5.2000e-004	9.0600e-003	0.0000	37.2390	37.2390	1.6300e-003	0.0000	37.2796

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5700e-003	0.0155	0.2200	2.9000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090
Total	3.5700e-003	0.0155	0.2200	2.9000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	26.1025	26.1025	8.2600e-003	0.0000	26.3090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7600e-003	0.0535	0.0146	1.1000e-004	2.7200e-003	3.6000e-004	3.0800e-003	7.9000e-004	3.4000e-004	1.1300e-003	0.0000	11.3242	11.3242	9.9000e-004	0.0000	11.3490
Worker	0.0110	8.0500e-003	0.0893	2.9000e-004	0.0267	2.0000e-004	0.0269	7.1400e-003	1.8000e-004	7.3200e-003	0.0000	25.9147	25.9147	6.4000e-004	0.0000	25.9307
Total	0.0128	0.0615	0.1039	4.0000e-004	0.0294	5.6000e-004	0.0300	7.9300e-003	5.2000e-004	8.4500e-003	0.0000	37.2390	37.2390	1.6300e-003	0.0000	37.2796

3.9 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1029	1.0444	0.8033	1.1500e-003		0.0561	0.0561		0.0516	0.0516	0.0000	101.3624	101.3624	0.0328	0.0000	102.1819
Total	0.1029	1.0444	0.8033	1.1500e-003		0.0561	0.0561		0.0516	0.0516	0.0000	101.3624	101.3624	0.0328	0.0000	102.1819

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	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	5.9700e-003	0.1945	0.0529	4.5000e-004	0.0116	1.0000e-003	0.0126	3.3300e-003	9.6000e-004	4.2900e-003	0.0000	44.6442	44.6442	3.7300e-003	0.0000	44.7375
Worker	0.0409	0.0286	0.3249	1.1000e-003	0.1151	7.7000e-004	0.1158	0.0306	7.1000e-004	0.0313	0.0000	99.5768	99.5768	2.2700e-003	0.0000	99.6336
Total	0.0468	0.2231	0.3778	1.5500e-003	0.1266	1.7700e-003	0.1284	0.0339	1.6700e-003	0.0356	0.0000	144.2210	144.2210	6.0000e-003	0.0000	144.3711

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
	tons/yr										MT/yr					
Off-Road	0.0142	0.0614	0.8734	1.1500e-003		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	101.3622	101.3622	0.0328	0.0000	102.1818
Total	0.0142	0.0614	0.8734	1.1500e-003		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	101.3622	101.3622	0.0328	0.0000	102.1818

Mitigated 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	5.9700e-003	0.1945	0.0529	4.5000e-004	0.0108	1.0000e-003	0.0118	3.1500e-003	9.6000e-004	4.1100e-003	0.0000	44.6442	44.6442	3.7300e-003	0.0000	44.7375
Worker	0.0409	0.0286	0.3249	1.1000e-003	0.1061	7.7000e-004	0.1069	0.0284	7.1000e-004	0.0291	0.0000	99.5768	99.5768	2.2700e-003	0.0000	99.6336

Total	0.0468	0.2231	0.3778	1.5500e-003	0.1169	1.7700e-003	0.1187	0.0315	1.6700e-003	0.0332	0.0000	144.2210	144.2210	6.0000e-003	0.0000	144.3711
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3.9 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6000e-004	3.6000e-003	3.0400e-003	0.0000		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900
Total	3.6000e-004	3.6000e-003	3.0400e-003	0.0000		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.7000e-004	1.9000e-004	0.0000	4.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1689	0.1689	1.0000e-005	0.0000	0.1693
Worker	1.5000e-004	1.0000e-004	1.1500e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3669	0.3669	1.0000e-005	0.0000	0.3671
Total	1.7000e-004	7.7000e-004	1.3400e-003	0.0000	4.8000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.5358	0.5358	2.0000e-005	0.0000	0.5363

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.0000e-005	2.3000e-004	3.3300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900
Total	5.0000e-005	2.3000e-004	3.3300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.3869	0.3869	1.3000e-004	0.0000	0.3900

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.7000e-004	1.9000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1689	0.1689	1.0000e-005	0.0000	0.1693
Worker	1.5000e-004	1.0000e-004	1.1500e-003	0.0000	4.0000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3669	0.3669	1.0000e-005	0.0000	0.3671
Total	1.7000e-004	7.7000e-004	1.3400e-003	0.0000	4.4000e-004	0.0000	4.5000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.5358	0.5358	2.0000e-005	0.0000	0.5363

3.10 Architectural Coating - 2019

Unmitigated Construction On-Site

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

Archit. Coating	3.4600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.4600e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.8000e-003	4.0000e-005	5.8400e-003	1.5400e-003	4.0000e-005	1.5800e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861
Total	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.8000e-003	4.0000e-005	5.8400e-003	1.5400e-003	4.0000e-005	1.5800e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.4600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.4600e-003	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.3400e-003	4.0000e-005	5.3800e-003	1.4300e-003	4.0000e-005	1.4600e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861
Total	2.2100e-003	1.6100e-003	0.0179	6.0000e-005	5.3400e-003	4.0000e-005	5.3800e-003	1.4300e-003	4.0000e-005	1.4600e-003	0.0000	5.1830	5.1830	1.3000e-004	0.0000	5.1861

3.10 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0137	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0230	1.5000e-004	0.0232	6.1100e-003	1.4000e-004	6.2500e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267
Total	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0230	1.5000e-004	0.0232	6.1100e-003	1.4000e-004	6.2500e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267

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
	tons/yr										MT/yr					
Archit. Coating	0.0137					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0137	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0212	1.5000e-004	0.0214	5.6700e-003	1.4000e-004	5.8100e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267

Total	8.1700e-003	5.7200e-003	0.0650	2.2000e-004	0.0212	1.5000e-004	0.0214	5.6700e-003	1.4000e-004	5.8100e-003	0.0000	19.9154	19.9154	4.5000e-004	0.0000	19.9267
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3.10 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.0000e-005						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-005						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734
Total	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0734	0.0734	0.0000	0.0000	0.0734

3.11 Fine Grading - 2020

Unmitigated Construction On-Site

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

Fugitive Dust					0.1325	0.0000	0.1325	0.0728	0.0000	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0255	0.2727	0.1215	2.3000e-004		0.0132	0.0132		0.0122	0.0122	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6730
Total	0.0255	0.2727	0.1215	2.3000e-004	0.1325	0.0132	0.1457	0.0728	0.0122	0.0850	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6730

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.9000e-004	9.3300e-003	2.5400e-003	2.0000e-005	5.5000e-004	5.0000e-005	6.0000e-004	1.6000e-004	5.0000e-005	2.1000e-004	0.0000	2.1421	2.1421	1.8000e-004	0.0000	2.1466
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	7.2000e-004	9.6300e-003	5.9500e-003	3.0000e-005	1.7600e-003	6.0000e-005	1.8200e-003	4.8000e-004	6.0000e-005	5.4000e-004	0.0000	3.1873	3.1873	2.0000e-004	0.0000	3.1924

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0566	0.0000	0.0566	0.0311	0.0000	0.0311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1000e-003	0.0366	0.1208	2.3000e-004		-0.0001	-0.0001		-0.0001	-0.0001	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6729
Total	3.1000e-003	0.0366	0.1208	2.3000e-004	0.0566	-0.0001	0.0566	0.0311	-0.0001	0.0311	0.0000	20.5071	20.5071	6.6300e-003	0.0000	20.6729

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.9000e-004	9.3300e-003	2.5400e-003	2.0000e-005	5.2000e-004	5.0000e-005	5.7000e-004	1.5000e-004	5.0000e-005	2.0000e-004	0.0000	2.1421	2.1421	1.8000e-004	0.0000	2.1466
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	7.2000e-004	9.6300e-003	5.9500e-003	3.0000e-005	1.6300e-003	6.0000e-005	1.6900e-003	4.5000e-004	6.0000e-005	5.1000e-004	0.0000	3.1873	3.1873	2.0000e-004	0.0000	3.1924

3.12 Fine Grading Soil Haul - 2020

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	4.0000e-005	1.4200e-003	3.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-005	1.4200e-003	3.6000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000	0.3855

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4200e-003	3.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000	0.3855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-005	1.4200e-003	3.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3845	0.3845	4.0000e-005	0.0000	0.3855
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3.13 Paving/Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0313	0.3302	0.1437	3.8000e-004		0.0151	0.0151		0.0139	0.0139	0.0000	33.0389	33.0389	0.0107	0.0000	33.3060
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0327	0.3302	0.1437	3.8000e-004		0.0151	0.0151		0.0139	0.0139	0.0000	33.0389	33.0389	0.0107	0.0000	33.3060

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.6300e-003	0.0201	0.1699	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.0388	33.0388	0.0107	0.0000	33.3060
Paving	1.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.0800e-003	0.0201	0.1699	3.8000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	33.0388	33.0388	0.0107	0.0000	33.3060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458
Total	4.3000e-004	3.0000e-004	3.4100e-003	1.0000e-005	1.1100e-003	1.0000e-005	1.1200e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0452	1.0452	2.0000e-005	0.0000	1.0458

Vivante Senior Living Construction - Orange County, Summer

**Vivante Senior Living Construction
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.71	1000sqft	0.64	0.00	0
Other Non-Asphalt Surfaces	52.37	1000sqft	1.20	0.00	0
Parking Lot	20.39	1000sqft	0.47	20,387.00	0
Congregate Care (Assisted Living)	99.00	Dwelling Unit	0.60	184,309.00	283

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	18			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SQFT set to 0 for non-paintable surfaces.

Construction Phase - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Trips and VMT - Refer to CalEEMod inputs.

Demolition -

Grading -

Architectural Coating - 75% of interior painted, 10% of exterior painted, 0 VOC - Mitigation

Woodstoves - No fireplaces or woodstoves

Area Coating - 75% interior painted, 10% exterior painted

Water And Wastewater - Refert to CalEEMod inputs

Construction Off-road Equipment Mitigation - SCAQMD 403 & 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	124,409.00	12,441.00
tblArchitecturalCoating	ConstArea_Residential_Interior	373,226.00	279,919.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblAreaCoating	Area_Residential_Exterior	124409	12391
tblAreaCoating	Area_Residential_Interior	373226	278789
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	329.00
tblConstructionPhase	NumDays	220.00	329.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	66.00
tblFireplaces	NumberGas	84.15	0.00
tblFireplaces	NumberNoFireplace	9.90	0.00
tblFireplaces	NumberWood	4.95	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.66

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	3.4030e-003
tblFleetMix	LHD2	5.7910e-003	1.2230e-003
tblFleetMix	MCY	4.8960e-003	8.4240e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.6600e-004	0.00
tblFleetMix	MHD	0.03	5.3740e-003
tblFleetMix	OBUS	1.7130e-003	0.00
tblFleetMix	SBUS	5.9000e-004	0.00
tblFleetMix	UBUS	1.5530e-003	0.00
tblGrading	MaterialImported	0.00	75.00
tblGrading	MaterialImported	0.00	384.00
tblLandUse	LandUseSquareFeet	27,710.00	0.00
tblLandUse	LandUseSquareFeet	52,370.00	0.00
tblLandUse	LandUseSquareFeet	20,390.00	20,387.00
tblLandUse	LandUseSquareFeet	99,000.00	184,309.00
tblLandUse	LotAcreage	6.19	0.60
tblOffRoadEquipment	HorsePower	231.00	173.00
tblOffRoadEquipment	HorsePower	89.00	130.00
tblOffRoadEquipment	HorsePower	97.00	55.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	257.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	65.00	232.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblTripsAndVMT	HaulingTripNumber	9.00	10.00
tblTripsAndVMT	HaulingTripNumber	227.00	256.00
tblTripsAndVMT	HaulingTripNumber	130.00	147.00
tblTripsAndVMT	HaulingTripNumber	99.00	200.00
tblTripsAndVMT	HaulingTripNumber	48.00	52.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,450,248.54	18,799,325.00
tblWater	OutdoorWaterUseRate	4,066,461.03	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	4.95	0.00
tblWoodstoves	NumberNoncatalytic	4.95	0.00

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					
2019	8.6231	126.8050	53.3503	0.2742	43.3316	3.1447	46.5016	9.4358	2.9288	12.3888	0.0000	29,357.3495	29,357.3495	4.7765	0.0000	29,476.7632
2020	4.0049	37.6012	22.1746	0.0528	7.3280	1.7314	9.0594	3.6592	1.5932	5.2524	0.0000	5,207.7621	5,207.7621	1.2123	0.0000	5,238.0702
2021	1.2125	8.7255	9.3470	0.0224	1.1625	0.3957	1.5582	0.3103	0.3642	0.6745	0.0000	2,239.2960	2,239.2960	0.3270	0.0000	2,247.4704

Maximum	8.6231	126.8050	53.3503	0.2742	43.3316	3.1447	46.5016	9.4358	2.9288	12.3888	0.0000	29,357.34 95	29,357.349 5	4.7765	0.0000	29,476.763 2
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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					
2019	3.4891	70.4146	69.2580	0.2742	20.4956	0.4956	21.0165	4.5795	0.4781	5.0818	0.0000	29,357.34 95	29,357.349 5	4.7765	0.0000	29,476.763 2
2020	1.0981	5.2701	23.8719	0.0528	3.7797	0.0565	3.8362	1.7394	0.0572	1.7966	0.0000	5,207.762 1	5,207.7621	1.2123	0.0000	5,238.0702
2021	0.5969	1.9916	9.9393	0.0224	1.0728	0.0241	1.0969	0.2883	0.0234	0.3117	0.0000	2,239.296 0	2,239.2960	0.3270	0.0000	2,247.4704
Maximum	3.4891	70.4146	69.2580	0.2742	20.4956	0.4956	21.0165	4.5795	0.4781	5.0818	0.0000	29,357.34 95	29,357.349 5	4.7765	0.0000	29,476.763 2

	ROG	NOx	CO	SO2	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	62.54	55.13	-21.44	0.00	51.09	89.07	54.57	50.71	88.56	60.74	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	7/1/2019	9/30/2019	5	66	
2	OCMA - Building Demo Debris Haul	Demolition	7/1/2019	7/2/2019	5	2	
3	Admin Office - Building Demo Debris Haul	Demolition	7/1/2019	7/9/2019	5	7	
4	Asphalt Demolition	Demolition	7/1/2019	7/11/2019	5	9	
5	Site Preparation	Site Preparation	7/1/2019	9/30/2019	5	66	
6	Rough Grading Soil Haul	Grading	7/1/2019	9/20/2019	5	60	
7	Excavation and Trenching	Trenching	7/1/2019	9/30/2019	5	66	

8	Building Construction	Building Construction	10/1/2019	1/1/2021	5	329
9	Architectural Coating	Architectural Coating	10/1/2019	1/1/2021	5	329
10	Fine Grading	Grading	10/1/2020	12/1/2020	5	44
11	Fine Grading Soil Haul	Grading	10/1/2020	11/11/2020	5	30
12	Paving/Finishing/Landscaping	Paving	10/1/2020	12/1/2020	5	44

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.31

Residential Indoor: 279,919; Residential Outdoor: 12,441; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Demolition	Excavators	2	8.00	257	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	8.00	232	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	55	0.37
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	271	0.37
Rough Grading Soil Haul	Graders	0	8.00	187	0.41
Rough Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Excavation and Trenching	Excavators	2	8.00	417	0.38
Excavation and Trenching	Plate Compactors	1	8.00	8	0.43
Excavation and Trenching	Rollers	1	8.00	80	0.38

Excavation and Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Excavation and Trenching	Tractors/Loaders/Backhoes	0	8.00	271	0.37
Excavation and Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
OCMA - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
OCMA - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
OCMA - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Admin Office - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Admin Office - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Admin Office - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	173	0.29
Building Construction	Forklifts	2	8.00	130	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Skid Steer Loaders	1	8.00	65	0.37
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Fine Grading Soil Haul	Graders	0	8.00	187	0.41
Fine Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving/Finishing/Landscaping	Cement and Mortar Mixers	0	8.00	9	0.56
Paving/Finishing/Landscaping	Pavers	0	8.00	130	0.42
Paving/Finishing/Landscaping	Paving Equipment	0	8.00	132	0.36
Paving/Finishing/Landscaping	Rollers	0	8.00	80	0.38
Paving/Finishing/Landscaping	Rubber Tired Dozers	1	8.00	247	0.40

Paving/Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	271	0.37
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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	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading Soil Haul	0	0.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Trenching	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
OCMA - Building	0	0.00	0.00	256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Debris Haul Admin Office -	0	0.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demo Debris Asphalt Demolition	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	2	5.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Soil Haul	0	0.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Finishing/Landscaping	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.2428	18.6333	11.6809	0.0444		0.7179	0.7179		0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487
Total	2.2428	18.6333	11.6809	0.0444	0.0000	0.7179	0.7179	0.0000	0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0256	3.0700e-003	0.0286	7.3500e-003	2.9300e-003	0.0103		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0768	0.4945	0.6551	2.6900e-003	0.1932	4.1900e-003	0.1974	0.0518	3.9600e-003	0.0558		278.1086	278.1086	0.0134		278.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5817	4.1144	20.8274	0.0444		0.0718	0.0718		0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487

Total	0.5817	4.1144	20.8274	0.0444	0.0000	0.0718	0.0718	0.0000	0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0239	3.0700e-003	0.0270	6.9500e-003	2.9300e-003	9.8900e-003		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1546	1.1200e-003	0.1557	0.0413	1.0300e-003	0.0423		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0768	0.4945	0.6551	2.6900e-003	0.1785	4.1900e-003	0.1827	0.0482	3.9600e-003	0.0522		278.1086	278.1086	0.0134		278.4429

3.3 OCMA - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					24.6089	0.0000	24.6089	3.7260	0.0000	3.7260			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	24.6089	0.0000	24.6089	3.7260	0.0000	3.7260		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	1.0640	37.9412	9.0958	0.0993	2.2289	0.1457	2.3746	0.6102	0.1394	0.7496		11,040.9296	11,040.9296	1.1526		11,069.7446
Vendor	0.0000	0.0000	0.0000	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	1.0640	37.9412	9.0958	0.0993	2.2289	0.1457	2.3746	0.6102	0.1394	0.7496		11,040.9296	11,040.9296	1.1526		11,069.7446

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					10.5203	0.0000	10.5203	1.5929	0.0000	1.5929			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	10.5203	0.0000	10.5203	1.5929	0.0000	1.5929	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	1.0640	37.9412	9.0958	0.0993	2.0766	0.1457	2.2223	0.5728	0.1394	0.7122		11,040.9296	11,040.9296	1.1526		11,069.7446
Vendor	0.0000	0.0000	0.0000	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	1.0640	37.9412	9.0958	0.0993	2.0766	0.1457	2.2223	0.5728	0.1394	0.7122		11,040.9296	11,040.9296	1.1526		11,069.7446

3.4 Admin Office - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0261	0.0000	4.0261	0.6096	0.0000	0.6096			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	4.0261	0.0000	4.0261	0.6096	0.0000	0.6096		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	0.1746	6.2247	1.4923	0.0163	0.3657	0.0239	0.3896	0.1001	0.0229	0.1230		1,811.4025	1,811.4025	0.1891		1,816.1300
Vendor	0.0000	0.0000	0.0000	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	0.1746	6.2247	1.4923	0.0163	0.3657	0.0239	0.3896	0.1001	0.0229	0.1230		1,811.4025	1,811.4025	0.1891		1,816.1300

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7211	0.0000	1.7211	0.2606	0.0000	0.2606			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	1.7211	0.0000	1.7211	0.2606	0.0000	0.2606	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	0.1746	6.2247	1.4923	0.0163	0.3407	0.0239	0.3646	0.0940	0.0229	0.1168		1,811.4025	1,811.4025	0.1891		1,816.1300
Vendor	0.0000	0.0000	0.0000	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	0.1746	6.2247	1.4923	0.0163	0.3407	0.0239	0.3646	0.0940	0.0229	0.1168		1,811.4025	1,811.4025	0.1891		1,816.1300

3.5 Asphalt Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3777	0.0000	2.3777	0.3600	0.0000	0.3600			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	2.3777	0.0000	2.3777	0.3600	0.0000	0.3600		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	0.1847	6.5870	1.5791	0.0172	0.3870	0.0253	0.4123	0.1059	0.0242	0.1301		1,916.8281	1,916.8281	0.2001		1,921.8307
Vendor	0.0000	0.0000	0.0000	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	0.1847	6.5870	1.5791	0.0172	0.3870	0.0253	0.4123	0.1059	0.0242	0.1301		1,916.8281	1,916.8281	0.2001		1,921.8307

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0165	0.0000	1.0165	0.1539	0.0000	0.1539			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	1.0165	0.0000	1.0165	0.1539	0.0000	0.1539	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	0.1847	6.5870	1.5791	0.0172	0.3605	0.0253	0.3858	0.0994	0.0242	0.1236		1,916.8281	1,916.8281	0.2001		1,921.8307
Vendor	0.0000	0.0000	0.0000	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	0.1847	6.5870	1.5791	0.0172	0.3605	0.0253	0.3858	0.0994	0.0242	0.1236		1,916.8281	1,916.8281	0.2001		1,921.8307

3.6 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.7783	19.9125	8.8078	0.0265		0.8378	0.8378		0.7707	0.7707		2,619.9269	2,619.9269	0.8289		2,640.6499
Total	1.7783	19.9125	8.8078	0.0265	6.0221	0.8378	6.8598	3.3102	0.7707	4.0810		2,619.9269	2,619.9269	0.8289		2,640.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0256	3.0700e-003	0.0286	7.3500e-003	2.9300e-003	0.0103		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0330	0.0216	0.2854	9.0000e-004	0.0894	6.0000e-004	0.0900	0.0237	5.5000e-004	0.0243		90.0912	90.0912	2.2100e-003		90.1466
Total	0.0480	0.4755	0.4054	1.9000e-003	0.1150	3.6700e-003	0.1186	0.0311	3.4800e-003	0.0346		199.2788	199.2788	0.0114		199.5646

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.4901	4.6046	9.7911	0.0265		0.1328	0.1328		0.1244	0.1244	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499
Total	0.4901	4.6046	9.7911	0.0265	2.5744	0.1328	2.7072	1.4151	0.1244	1.5395	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0239	3.0700e-003	0.0270	6.9500e-003	2.9300e-003	9.8900e-003		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0330	0.0216	0.2854	9.0000e-004	0.0824	6.0000e-004	0.0830	0.0220	5.5000e-004	0.0226		90.0912	90.0912	2.2100e-003		90.1466
Total	0.0480	0.4755	0.4054	1.9000e-003	0.1063	3.6700e-003	0.1100	0.0290	3.4800e-003	0.0324		199.2788	199.2788	0.0114		199.5646

3.7 Rough Grading Soil Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-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
Total	0.0000	0.0000	0.0000	0.0000	7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-004		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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0151	9.9000e-004	0.0161	4.1300e-003	9.4000e-004	5.0800e-003		74.7563	74.7563	7.8000e-003		74.9514
Vendor	0.0000	0.0000	0.0000	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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0151	9.9000e-004	0.0161	4.1300e-003	9.4000e-004	5.0800e-003		74.7563	74.7563	7.8000e-003		74.9514

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005			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	3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0141	9.9000e-004	0.0151	3.8800e-003	9.4000e-004	4.8200e-003		74.7563	74.7563	7.8000e-003		74.9514
Vendor	0.0000	0.0000	0.0000	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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0141	9.9000e-004	0.0151	3.8800e-003	9.4000e-004	4.8200e-003		74.7563	74.7563	7.8000e-003		74.9514

3.8 Excavation and Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221
Total	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0256	3.0700e-003	0.0286	7.3500e-003	2.9300e-003	0.0103		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0742	0.0486	0.6421	2.0300e-003	0.2012	1.3400e-003	0.2025	0.0534	1.2400e-003	0.0546		202.7053	202.7053	4.9800e-003		202.8298
Total	0.0892	0.5026	0.7621	3.0300e-003	0.2268	4.4100e-003	0.2312	0.0607	4.1700e-003	0.0649		311.8928	311.8928	0.0142		312.2478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221

Total	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0239	3.0700e-003	0.0270	6.9500e-003	2.9300e-003	9.8900e-003		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0742	0.0486	0.6421	2.0300e-003	0.1855	1.3400e-003	0.1868	0.0495	1.2400e-003	0.0507		202.7053	202.7053	4.9800e-003		202.8298
Total	0.0892	0.5026	0.7621	3.0300e-003	0.2094	4.4100e-003	0.2138	0.0564	4.1700e-003	0.0606		311.8928	311.8928	0.0142		312.2478

3.9 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096
Total	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0525	1.5887	0.4200	3.5200e-003	0.0895	0.0107	0.1002	0.0257	0.0103	0.0360		382.1564	382.1564	0.0323		382.9630
Worker	0.3297	0.2162	2.8539	9.0400e-003	0.8942	5.9700e-003	0.9002	0.2372	5.5000e-003	0.2427		900.9122	900.9122	0.0222		901.4660
Total	0.3822	1.8049	3.2739	0.0126	0.9837	0.0167	1.0004	0.2629	0.0158	0.2787		1,283.0687	1,283.0687	0.0544		1,284.4289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0525	1.5887	0.4200	3.5200e-003	0.0837	0.0107	0.0944	0.0243	0.0103	0.0346		382.1564	382.1564	0.0323		382.9630
Worker	0.3297	0.2162	2.8539	9.0400e-003	0.8243	5.9700e-003	0.8302	0.2200	5.5000e-003	0.2255		900.9122	900.9122	0.0222		901.4660
Total	0.3822	1.8049	3.2739	0.0126	0.9080	0.0167	0.9247	0.2443	0.0158	0.2601		1,283.0687	1,283.0687	0.0544		1,284.4289

3.9 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190
Total	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0447	1.4585	0.3850	3.4900e-003	0.0895	7.6100e-003	0.0971	0.0257	7.2800e-003	0.0330		379.5805	379.5805	0.0307		380.3480
Worker	0.3074	0.1937	2.6186	8.7500e-003	0.8942	5.9100e-003	0.9001	0.2372	5.4400e-003	0.2426		872.0349	872.0349	0.0199		872.5319
Total	0.3522	1.6522	3.0036	0.0122	0.9837	0.0135	0.9972	0.2629	0.0127	0.2756		1,251.6154	1,251.6154	0.0506		1,252.8799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0447	1.4585	0.3850	3.4900e-003	0.0837	7.6100e-003	0.0913	0.0243	7.2800e-003	0.0316		379.5805	379.5805	0.0307		380.3480
Worker	0.3074	0.1937	2.6186	8.7500e-003	0.8243	5.9100e-003	0.8302	0.2200	5.4400e-003	0.2254		872.0349	872.0349	0.0199		872.5319
Total	0.3522	1.6522	3.0036	0.0122	0.9080	0.0135	0.9215	0.2443	0.0127	0.2570		1,251.6154	1,251.6154	0.0506		1,252.8799

3.9 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761
Total	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.2888	0.1747	2.4298	8.4400e-003	0.8942	5.7900e-003	0.9000	0.2372	5.3300e-003	0.2425		841.7553	841.7553	0.0180		842.2060
Total	0.3261	1.4881	2.7860	0.0119	0.9837	8.5200e-003	0.9922	0.2629	7.9400e-003	0.2708		1,218.0648	1,218.0648	0.0475		1,219.2532

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761

Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0837	2.7300e-003	0.0864	0.0243	2.6100e-003	0.0269		376.3095	376.3095	0.0295		377.0472
Worker	0.2888	0.1747	2.4298	8.4400e-003	0.8243	5.7900e-003	0.8300	0.2200	5.3300e-003	0.2253		841.7553	841.7553	0.0180		842.2060
Total	0.3261	1.4881	2.7860	0.0119	0.9080	8.5200e-003	0.9165	0.2443	7.9400e-003	0.2523		1,218.0648	1,218.0648	0.0475		1,219.2532

3.10 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0659	0.0432	0.5708	1.8100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		180.1825	180.1825	4.4300e-003		180.2932
Total	0.0659	0.0432	0.5708	1.8100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		180.1825	180.1825	4.4300e-003		180.2932

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0432	0.5708	1.8100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		180.1825	180.1825	4.4300e-003	180.2932
Total	0.0659	0.0432	0.5708	1.8100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		180.1825	180.1825	4.4300e-003	180.2932

3.10 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0387	0.5237	1.7500e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		174.4070	174.4070	3.9800e-003		174.5064
Total	0.0615	0.0387	0.5237	1.7500e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		174.4070	174.4070	3.9800e-003		174.5064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0387	0.5237	1.7500e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		174.4070	174.4070	3.9800e-003		174.5064
Total	0.0615	0.0387	0.5237	1.7500e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		174.4070	174.4070	3.9800e-003		174.5064

3.10 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0349	0.4860	1.6900e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		168.3511	168.3511	3.6100e-003		168.4412
Total	0.0578	0.0349	0.4860	1.6900e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		168.3511	168.3511	3.6100e-003		168.4412

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0349	0.4860	1.6900e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		168.3511	168.3511	3.6100e-003		168.4412
Total	0.0578	0.0349	0.4860	1.6900e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		168.3511	168.3511	3.6100e-003		168.4412

3.11 Fine Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.1594	12.3946	5.5217	0.0106		0.6010	0.6010		0.5529	0.5529		1,027.5112	1,027.5112	0.3323		1,035.8192
Total	1.1594	12.3946	5.5217	0.0106	6.0221	0.6010	6.6231	3.3102	0.5529	3.8631		1,027.5112	1,027.5112	0.3323		1,035.8192

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4167	0.1100	1.0000e-003	0.0256	2.1700e-003	0.0277	7.3500e-003	2.0800e-003	9.4300e-003		108.4516	108.4516	8.7700e-003		108.6709
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0320	0.4288	0.2737	1.5500e-003	0.0815	2.5400e-003	0.0840	0.0222	2.4200e-003	0.0246		162.9538	162.9538	0.0100		163.2041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.1410	1.6652	5.4927	0.0106		-0.0040	-0.0040		-0.0021	-0.0021	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192
Total	0.1410	1.6652	5.4927	0.0106	2.5744	-0.0040	2.5705	1.4151	-0.0021	1.4130	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4167	0.1100	1.0000e-003	0.0239	2.1700e-003	0.0261	6.9500e-003	2.0800e-003	9.0300e-003		108.4516	108.4516	8.7700e-003		108.6709
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0320	0.4288	0.2737	1.5500e-003	0.0754	2.5400e-003	0.0780	0.0207	2.4200e-003	0.0231		162.9538	162.9538	0.0100		163.2041

3.12 Fine Grading Soil Haul - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005			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	2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005		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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.8000e-003	3.0000e-004	6.1000e-003	1.5900e-003	2.8000e-004	1.8700e-003		28.4353	28.4353	2.9500e-003		28.5090
Vendor	0.0000	0.0000	0.0000	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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.8000e-003	3.0000e-004	6.1000e-003	1.5900e-003	2.8000e-004	1.8700e-003		28.4353	28.4353	2.9500e-003		28.5090

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005			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	1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005	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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.4100e-003	3.0000e-004	5.7000e-003	1.4900e-003	2.8000e-004	1.7800e-003		28.4353	28.4353	2.9500e-003		28.5090
Vendor	0.0000	0.0000	0.0000	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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.4100e-003	3.0000e-004	5.7000e-003	1.4900e-003	2.8000e-004	1.7800e-003		28.4353	28.4353	2.9500e-003		28.5090

3.13 Paving/Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4220	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995
Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4881	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0192	0.0121	0.1637	5.5000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		54.5022	54.5022	1.2400e-003		54.5332

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2107	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2768	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0192	0.0121	0.1637	5.5000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		54.5022	54.5022	1.2400e-003		54.5332

Vivante Senior Living Construction - Modified Mitigation - Orange County, Summer

**Vivante Senior Living Construction - Modified Mitigation
Orange County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.71	1000sqft	0.64	0.00	0
Other Non-Asphalt Surfaces	52.37	1000sqft	1.20	0.00	0
Parking Lot	20.39	1000sqft	0.47	20,387.00	0
Congregate Care (Assisted Living)	99.00	Dwelling Unit	0.60	184,309.00	283

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	18			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SQFT set to 0 for non-paintable surfaces.

Construction Phase - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

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Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Trips and VMT - Refer to CalEEMod inputs.

Demolition -

Grading -

Architectural Coating - 75% of interior painted, 10% of exterior painted, 0 VOC - Mitigation

Woodstoves - No fireplaces or woodstoves

Area Coating - 75% interior painted, 10% exterior painted

Water And Wastewater - Refert to CalEEMod inputs

Construction Off-road Equipment Mitigation - SCAQMD 403 & 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	124,409.00	12,441.00
tblArchitecturalCoating	ConstArea_Residential_Interior	373,226.00	279,919.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblAreaCoating	Area_Residential_Exterior	124409	12391
tblAreaCoating	Area_Residential_Interior	373226	278789
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	329.00
tblConstructionPhase	NumDays	220.00	329.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	66.00
tblFireplaces	NumberGas	84.15	0.00
tblFireplaces	NumberNoFireplace	9.90	0.00
tblFireplaces	NumberWood	4.95	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.66

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	3.4030e-003
tblFleetMix	LHD2	5.7910e-003	1.2230e-003
tblFleetMix	MCY	4.8960e-003	8.4240e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.6600e-004	0.00
tblFleetMix	MHD	0.03	5.3740e-003
tblFleetMix	OBUS	1.7130e-003	0.00
tblFleetMix	SBUS	5.9000e-004	0.00
tblFleetMix	UBUS	1.5530e-003	0.00
tblGrading	MaterialImported	0.00	75.00
tblGrading	MaterialImported	0.00	384.00
tblLandUse	LandUseSquareFeet	27,710.00	0.00
tblLandUse	LandUseSquareFeet	52,370.00	0.00
tblLandUse	LandUseSquareFeet	20,390.00	20,387.00
tblLandUse	LandUseSquareFeet	99,000.00	184,309.00
tblLandUse	LotAcreage	6.19	0.60
tblOffRoadEquipment	HorsePower	231.00	173.00
tblOffRoadEquipment	HorsePower	89.00	130.00
tblOffRoadEquipment	HorsePower	97.00	55.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	257.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	65.00	232.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblTripsAndVMT	HaulingTripNumber	9.00	10.00
tblTripsAndVMT	HaulingTripNumber	227.00	256.00
tblTripsAndVMT	HaulingTripNumber	130.00	147.00
tblTripsAndVMT	HaulingTripNumber	99.00	200.00
tblTripsAndVMT	HaulingTripNumber	48.00	52.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,450,248.54	18,799,325.00
tblWater	OutdoorWaterUseRate	4,066,461.03	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	4.95	0.00
tblWoodstoves	NumberNoncatalytic	4.95	0.00

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					
2019	7.5591	88.8639	44.2545	0.1749	16.4939	2.9990	19.5182	5.0996	2.7894	7.9133	0.0000	18,316.4199	18,316.4199	3.6239	0.0000	18,407.0187
2020	4.0049	37.6012	22.1746	0.0528	7.3280	1.7314	9.0594	3.6592	1.5932	5.2524	0.0000	5,207.7621	5,207.7621	1.2123	0.0000	5,238.0702
2021	1.2125	8.7255	9.3470	0.0224	1.1625	0.3957	1.5582	0.3103	0.3642	0.6745	0.0000	2,239.2960	2,239.2960	0.3270	0.0000	2,247.4704

Maximum	7.5591	88.8639	44.2545	0.1749	16.4939	2.9990	19.5182	5.0996	2.7894	7.9133	0.0000	18,316.4199	18,316.4199	3.6239	0.0000	18,407.0187
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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					
2019	2.4251	32.4734	60.1622	0.1749	7.8988	0.3499	8.2739	2.4139	0.3387	2.7768	0.0000	18,316.4199	18,316.4199	3.6239	0.0000	18,407.0186
2020	1.0981	5.2701	23.8719	0.0528	3.7797	0.0565	3.8362	1.7394	0.0572	1.7966	0.0000	5,207.7621	5,207.7621	1.2123	0.0000	5,238.0702
2021	0.5969	1.9916	9.9393	0.0224	1.0728	0.0241	1.0969	0.2883	0.0234	0.3117	0.0000	2,239.2960	2,239.2960	0.3270	0.0000	2,247.4704
Maximum	2.4251	32.4734	60.1622	0.1749	7.8988	0.3499	8.2739	2.4139	0.3387	2.7768	0.0000	18,316.4199	18,316.4199	3.6239	0.0000	18,407.0186

	ROG	NOx	CO	SO2	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	67.75	70.61	-24.01	0.00	48.96	91.60	56.18	51.03	91.17	64.70	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	6/25/2019	9/30/2019	5	70	
2	OCMA - Building Demo Debris Haul	Demolition	6/25/2019	6/28/2019	5	4	
3	Admin Office - Building Demo Debris Haul	Demolition	7/1/2019	7/9/2019	5	7	
4	Asphalt Demolition	Demolition	7/1/2019	7/11/2019	5	9	
5	Site Preparation	Site Preparation	7/1/2019	9/30/2019	5	66	
6	Rough Grading Soil Haul	Grading	7/1/2019	9/20/2019	5	60	
7	Excavation and Trenching	Trenching	7/1/2019	9/30/2019	5	66	

8	Building Construction	Building Construction	10/1/2019	1/1/2021	5	329
9	Architectural Coating	Architectural Coating	10/1/2019	1/1/2021	5	329
10	Fine Grading	Grading	10/1/2020	12/1/2020	5	44
11	Fine Grading Soil Haul	Grading	10/1/2020	11/11/2020	5	30
12	Paving/Finishing/Landscaping	Paving	10/1/2020	12/1/2020	5	44

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.31

Residential Indoor: 279,919; Residential Outdoor: 12,441; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Demolition	Excavators	2	8.00	257	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	8.00	232	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	55	0.37
OCMA - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
OCMA - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
OCMA - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Admin Office - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Admin Office - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Admin Office - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Graders	0	8.00	187	0.41

Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	271	0.37
Rough Grading Soil Haul	Graders	0	8.00	187	0.41
Rough Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Excavation and Trenching	Excavators	2	8.00	417	0.38
Excavation and Trenching	Plate Compactors	1	8.00	83	0.43
Excavation and Trenching	Rollers	1	8.00	80	0.38
Excavation and Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Excavation and Trenching	Tractors/Loaders/Backhoes	0	8.00	271	0.37
Excavation and Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	173	0.29
Building Construction	Forklifts	2	8.00	130	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Skid Steer Loaders	1	8.00	65	0.37
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Fine Grading Soil Haul	Graders	0	8.00	187	0.41
Fine Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving/Finishing/Landscaping	Cement and Mortar Mixers	0	8.00	93	0.56
Paving/Finishing/Landscaping	Pavers	0	8.00	130	0.42
Paving/Finishing/Landscaping	Paving Equipment	0	8.00	132	0.36
Paving/Finishing/Landscaping	Rollers	0	8.00	80	0.38
Paving/Finishing/Landscaping	Rubber Tired Dozers	1	8.00	247	0.40

Paving/Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	271	0.37
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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	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
OCMA - Building	0	0.00	0.00	256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Debris Haul Admin Office -	0	0.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demo Debris Asphalt Demolition	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading Soil Haul	0	0.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Trenching	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	2	5.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Soil Haul	0	0.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Finishing/Landscaping	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.2428	18.6333	11.6809	0.0444		0.7179	0.7179		0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487
Total	2.2428	18.6333	11.6809	0.0444	0.0000	0.7179	0.7179	0.0000	0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0256	3.0700e-003	0.0286	7.3500e-003	2.9300e-003	0.0103		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0768	0.4945	0.6551	2.6900e-003	0.1932	4.1900e-003	0.1974	0.0518	3.9600e-003	0.0558		278.1086	278.1086	0.0134		278.4429

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5817	4.1144	20.8274	0.0444		0.0718	0.0718		0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487

Total	0.5817	4.1144	20.8274	0.0444	0.0000	0.0718	0.0718	0.0000	0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0239	3.0700e-003	0.0270	6.9500e-003	2.9300e-003	9.8900e-003		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0618	0.0405	0.5351	1.6900e-003	0.1546	1.1200e-003	0.1557	0.0413	1.0300e-003	0.0423		168.9210	168.9210	4.1500e-003		169.0249
Total	0.0768	0.4945	0.6551	2.6900e-003	0.1785	4.1900e-003	0.1827	0.0482	3.9600e-003	0.0522		278.1086	278.1086	0.0134		278.4429

3.3 OCMA - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					12.3044	0.0000	12.3044	1.8630	0.0000	1.8630			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	12.3044	0.0000	12.3044	1.8630	0.0000	1.8630		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	0.5320	18.9706	4.5479	0.0497	1.1144	0.0729	1.1873	0.3051	0.0697	0.3748		5,520.4648	5,520.4648	0.5763		5,534.8723
Vendor	0.0000	0.0000	0.0000	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	0.5320	18.9706	4.5479	0.0497	1.1144	0.0729	1.1873	0.3051	0.0697	0.3748		5,520.4648	5,520.4648	0.5763		5,534.8723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.2601	0.0000	5.2601	0.7964	0.0000	0.7964			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	5.2601	0.0000	5.2601	0.7964	0.0000	0.7964	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	0.5320	18.9706	4.5479	0.0497	1.0383	0.0729	1.1111	0.2864	0.0697	0.3561		5,520.4648	5,520.4648	0.5763		5,534.8723
Vendor	0.0000	0.0000	0.0000	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	0.5320	18.9706	4.5479	0.0497	1.0383	0.0729	1.1111	0.2864	0.0697	0.3561		5,520.4648	5,520.4648	0.5763		5,534.8723

3.4 Admin Office - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0261	0.0000	4.0261	0.6096	0.0000	0.6096			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	4.0261	0.0000	4.0261	0.6096	0.0000	0.6096		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	0.1746	6.2247	1.4923	0.0163	0.3657	0.0239	0.3896	0.1001	0.0229	0.1230		1,811.4025	1,811.4025	0.1891		1,816.1300
Vendor	0.0000	0.0000	0.0000	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	0.1746	6.2247	1.4923	0.0163	0.3657	0.0239	0.3896	0.1001	0.0229	0.1230		1,811.4025	1,811.4025	0.1891		1,816.1300

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7211	0.0000	1.7211	0.2606	0.0000	0.2606			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	1.7211	0.0000	1.7211	0.2606	0.0000	0.2606	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	0.1746	6.2247	1.4923	0.0163	0.3407	0.0239	0.3646	0.0940	0.0229	0.1168		1,811.4025	1,811.4025	0.1891		1,816.1300
Vendor	0.0000	0.0000	0.0000	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	0.1746	6.2247	1.4923	0.0163	0.3407	0.0239	0.3646	0.0940	0.0229	0.1168		1,811.4025	1,811.4025	0.1891		1,816.1300

3.5 Asphalt Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3777	0.0000	2.3777	0.3600	0.0000	0.3600			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	2.3777	0.0000	2.3777	0.3600	0.0000	0.3600		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	0.1847	6.5870	1.5791	0.0172	0.3870	0.0253	0.4123	0.1059	0.0242	0.1301		1,916.8281	1,916.8281	0.2001		1,921.8307
Vendor	0.0000	0.0000	0.0000	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	0.1847	6.5870	1.5791	0.0172	0.3870	0.0253	0.4123	0.1059	0.0242	0.1301		1,916.8281	1,916.8281	0.2001		1,921.8307

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0165	0.0000	1.0165	0.1539	0.0000	0.1539			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	1.0165	0.0000	1.0165	0.1539	0.0000	0.1539	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	0.1847	6.5870	1.5791	0.0172	0.3605	0.0253	0.3858	0.0994	0.0242	0.1236		1,916.8281	1,916.8281	0.2001		1,921.8307
Vendor	0.0000	0.0000	0.0000	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	0.1847	6.5870	1.5791	0.0172	0.3605	0.0253	0.3858	0.0994	0.0242	0.1236		1,916.8281	1,916.8281	0.2001		1,921.8307

3.6 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.7783	19.9125	8.8078	0.0265		0.8378	0.8378		0.7707	0.7707		2,619.9269	2,619.9269	0.8289		2,640.6499
Total	1.7783	19.9125	8.8078	0.0265	6.0221	0.8378	6.8598	3.3102	0.7707	4.0810		2,619.9269	2,619.9269	0.8289		2,640.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0256	3.0700e-003	0.0286	7.3500e-003	2.9300e-003	0.0103		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0330	0.0216	0.2854	9.0000e-004	0.0894	6.0000e-004	0.0900	0.0237	5.5000e-004	0.0243		90.0912	90.0912	2.2100e-003		90.1466
Total	0.0480	0.4755	0.4054	1.9000e-003	0.1150	3.6700e-003	0.1186	0.0311	3.4800e-003	0.0346		199.2788	199.2788	0.0114		199.5646

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.4901	4.6046	9.7911	0.0265		0.1328	0.1328		0.1244	0.1244	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499
Total	0.4901	4.6046	9.7911	0.0265	2.5744	0.1328	2.7072	1.4151	0.1244	1.5395	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0239	3.0700e-003	0.0270	6.9500e-003	2.9300e-003	9.8900e-003		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0330	0.0216	0.2854	9.0000e-004	0.0824	6.0000e-004	0.0830	0.0220	5.5000e-004	0.0226		90.0912	90.0912	2.2100e-003		90.1466
Total	0.0480	0.4755	0.4054	1.9000e-003	0.1063	3.6700e-003	0.1100	0.0290	3.4800e-003	0.0324		199.2788	199.2788	0.0114		199.5646

3.7 Rough Grading Soil Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-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
Total	0.0000	0.0000	0.0000	0.0000	7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-004		0.0000	0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0151	9.9000e-004	0.0161	4.1300e-003	9.4000e-004	5.0800e-003		74.7563	74.7563	7.8000e-003		74.9514
Vendor	0.0000	0.0000	0.0000	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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0151	9.9000e-004	0.0161	4.1300e-003	9.4000e-004	5.0800e-003		74.7563	74.7563	7.8000e-003		74.9514

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005			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	3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0141	9.9000e-004	0.0151	3.8800e-003	9.4000e-004	4.8200e-003		74.7563	74.7563	7.8000e-003		74.9514
Vendor	0.0000	0.0000	0.0000	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	7.2000e-003	0.2569	0.0616	6.7000e-004	0.0141	9.9000e-004	0.0151	3.8800e-003	9.4000e-004	4.8200e-003		74.7563	74.7563	7.8000e-003		74.9514

3.8 Excavation and Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221
Total	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0256	3.0700e-003	0.0286	7.3500e-003	2.9300e-003	0.0103		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0742	0.0486	0.6421	2.0300e-003	0.2012	1.3400e-003	0.2025	0.0534	1.2400e-003	0.0546		202.7053	202.7053	4.9800e-003		202.8298
Total	0.0892	0.5026	0.7621	3.0300e-003	0.2268	4.4100e-003	0.2312	0.0607	4.1700e-003	0.0649		311.8928	311.8928	0.0142		312.2478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221

Total	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0150	0.4539	0.1200	1.0000e-003	0.0239	3.0700e-003	0.0270	6.9500e-003	2.9300e-003	9.8900e-003		109.1876	109.1876	9.2200e-003		109.4180
Worker	0.0742	0.0486	0.6421	2.0300e-003	0.1855	1.3400e-003	0.1868	0.0495	1.2400e-003	0.0507		202.7053	202.7053	4.9800e-003		202.8298
Total	0.0892	0.5026	0.7621	3.0300e-003	0.2094	4.4100e-003	0.2138	0.0564	4.1700e-003	0.0606		311.8928	311.8928	0.0142		312.2478

3.9 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096
Total	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0525	1.5887	0.4200	3.5200e-003	0.0895	0.0107	0.1002	0.0257	0.0103	0.0360		382.1564	382.1564	0.0323		382.9630
Worker	0.3297	0.2162	2.8539	9.0400e-003	0.8942	5.9700e-003	0.9002	0.2372	5.5000e-003	0.2427		900.9122	900.9122	0.0222		901.4660
Total	0.3822	1.8049	3.2739	0.0126	0.9837	0.0167	1.0004	0.2629	0.0158	0.2787		1,283.0687	1,283.0687	0.0544		1,284.4289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0525	1.5887	0.4200	3.5200e-003	0.0837	0.0107	0.0944	0.0243	0.0103	0.0346		382.1564	382.1564	0.0323		382.9630
Worker	0.3297	0.2162	2.8539	9.0400e-003	0.8243	5.9700e-003	0.8302	0.2200	5.5000e-003	0.2255		900.9122	900.9122	0.0222		901.4660
Total	0.3822	1.8049	3.2739	0.0126	0.9080	0.0167	0.9247	0.2443	0.0158	0.2601		1,283.0687	1,283.0687	0.0544		1,284.4289

3.9 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190
Total	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0447	1.4585	0.3850	3.4900e-003	0.0895	7.6100e-003	0.0971	0.0257	7.2800e-003	0.0330		379.5805	379.5805	0.0307		380.3480
Worker	0.3074	0.1937	2.6186	8.7500e-003	0.8942	5.9100e-003	0.9001	0.2372	5.4400e-003	0.2426		872.0349	872.0349	0.0199		872.5319
Total	0.3522	1.6522	3.0036	0.0122	0.9837	0.0135	0.9972	0.2629	0.0127	0.2756		1,251.6154	1,251.6154	0.0506		1,252.8799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0447	1.4585	0.3850	3.4900e-003	0.0837	7.6100e-003	0.0913	0.0243	7.2800e-003	0.0316		379.5805	379.5805	0.0307		380.3480
Worker	0.3074	0.1937	2.6186	8.7500e-003	0.8243	5.9100e-003	0.8302	0.2200	5.4400e-003	0.2254		872.0349	872.0349	0.0199		872.5319
Total	0.3522	1.6522	3.0036	0.0122	0.9080	0.0135	0.9215	0.2443	0.0127	0.2570		1,251.6154	1,251.6154	0.0506		1,252.8799

3.9 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761
Total	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0895	2.7300e-003	0.0922	0.0257	2.6100e-003	0.0284		376.3095	376.3095	0.0295		377.0472
Worker	0.2888	0.1747	2.4298	8.4400e-003	0.8942	5.7900e-003	0.9000	0.2372	5.3300e-003	0.2425		841.7553	841.7553	0.0180		842.2060
Total	0.3261	1.4881	2.7860	0.0119	0.9837	8.5200e-003	0.9922	0.2629	7.9400e-003	0.2708		1,218.0648	1,218.0648	0.0475		1,219.2532

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761

Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0374	1.3134	0.3562	3.4500e-003	0.0837	2.7300e-003	0.0864	0.0243	2.6100e-003	0.0269		376.3095	376.3095	0.0295		377.0472
Worker	0.2888	0.1747	2.4298	8.4400e-003	0.8243	5.7900e-003	0.8300	0.2200	5.3300e-003	0.2253		841.7553	841.7553	0.0180		842.2060
Total	0.3261	1.4881	2.7860	0.0119	0.9080	8.5200e-003	0.9165	0.2443	7.9400e-003	0.2523		1,218.0648	1,218.0648	0.0475		1,219.2532

3.10 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0659	0.0432	0.5708	1.8100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		180.1825	180.1825	4.4300e-003		180.2932
Total	0.0659	0.0432	0.5708	1.8100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		180.1825	180.1825	4.4300e-003		180.2932

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0659	0.0432	0.5708	1.8100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		180.1825	180.1825	4.4300e-003	180.2932
Total	0.0659	0.0432	0.5708	1.8100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		180.1825	180.1825	4.4300e-003	180.2932

3.10 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0387	0.5237	1.7500e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		174.4070	174.4070	3.9800e-003		174.5064
Total	0.0615	0.0387	0.5237	1.7500e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		174.4070	174.4070	3.9800e-003		174.5064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0387	0.5237	1.7500e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		174.4070	174.4070	3.9800e-003		174.5064
Total	0.0615	0.0387	0.5237	1.7500e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		174.4070	174.4070	3.9800e-003		174.5064

3.10 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0349	0.4860	1.6900e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		168.3511	168.3511	3.6100e-003		168.4412
Total	0.0578	0.0349	0.4860	1.6900e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		168.3511	168.3511	3.6100e-003		168.4412

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0578	0.0349	0.4860	1.6900e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		168.3511	168.3511	3.6100e-003		168.4412
Total	0.0578	0.0349	0.4860	1.6900e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		168.3511	168.3511	3.6100e-003		168.4412

3.11 Fine Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.1594	12.3946	5.5217	0.0106		0.6010	0.6010		0.5529	0.5529		1,027.5112	1,027.5112	0.3323		1,035.8192
Total	1.1594	12.3946	5.5217	0.0106	6.0221	0.6010	6.6231	3.3102	0.5529	3.8631		1,027.5112	1,027.5112	0.3323		1,035.8192

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0128	0.4167	0.1100	1.0000e-003	0.0256	2.1700e-003	0.0277	7.3500e-003	2.0800e-003	9.4300e-003		108.4516	108.4516	8.7700e-003		108.6709
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0320	0.4288	0.2737	1.5500e-003	0.0815	2.5400e-003	0.0840	0.0222	2.4200e-003	0.0246		162.9538	162.9538	0.0100		163.2041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.1410	1.6652	5.4927	0.0106		-0.0040	-0.0040		-0.0021	-0.0021	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192
Total	0.1410	1.6652	5.4927	0.0106	2.5744	-0.0040	2.5705	1.4151	-0.0021	1.4130	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0128	0.4167	0.1100	1.0000e-003	0.0239	2.1700e-003	0.0261	6.9500e-003	2.0800e-003	9.0300e-003		108.4516	108.4516	8.7700e-003		108.6709
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0320	0.4288	0.2737	1.5500e-003	0.0754	2.5400e-003	0.0780	0.0207	2.4200e-003	0.0231		162.9538	162.9538	0.0100		163.2041

3.12 Fine Grading Soil Haul - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005			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	2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005		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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.8000e-003	3.0000e-004	6.1000e-003	1.5900e-003	2.8000e-004	1.8700e-003		28.4353	28.4353	2.9500e-003		28.5090
Vendor	0.0000	0.0000	0.0000	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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.8000e-003	3.0000e-004	6.1000e-003	1.5900e-003	2.8000e-004	1.8700e-003		28.4353	28.4353	2.9500e-003		28.5090

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005			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	1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005	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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.4100e-003	3.0000e-004	5.7000e-003	1.4900e-003	2.8000e-004	1.7800e-003		28.4353	28.4353	2.9500e-003		28.5090
Vendor	0.0000	0.0000	0.0000	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	2.5200e-003	0.0917	0.0232	2.6000e-004	5.4100e-003	3.0000e-004	5.7000e-003	1.4900e-003	2.8000e-004	1.7800e-003		28.4353	28.4353	2.9500e-003		28.5090

3.13 Paving/Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4220	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995
Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4881	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0192	0.0121	0.1637	5.5000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		54.5022	54.5022	1.2400e-003		54.5332

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2107	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2768	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0192	0.0121	0.1637	5.5000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		54.5022	54.5022	1.2400e-003		54.5332
Total	0.0192	0.0121	0.1637	5.5000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		54.5022	54.5022	1.2400e-003		54.5332

Vivante Senior Living Construction - Orange County, Winter

Vivante Senior Living Construction
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.71	1000sqft	0.64	0.00	0
Other Non-Asphalt Surfaces	52.37	1000sqft	1.20	0.00	0
Parking Lot	20.39	1000sqft	0.47	20,387.00	0
Congregate Care (Assisted Living)	99.00	Dwelling Unit	0.60	184,309.00	283

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	18			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SQFT set to 0 for non-paintable surfaces.

Construction Phase - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Trips and VMT - Refer to CalEEMod inputs.

Demolition -

Grading -

Architectural Coating - 75% of interior painted, 10% of exterior painted, 0 VOC - Mitigation

Woodstoves - No fireplaces or woodstoves

Area Coating - 75% interior painted, 10% exterior painted

Water And Wastewater - Refert to CalEEMod inputs

Construction Off-road Equipment Mitigation - SCAQMD 403 & 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	124,409.00	12,441.00
tblArchitecturalCoating	ConstArea_Residential_Interior	373,226.00	279,919.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblAreaCoating	Area_Residential_Exterior	124409	12391
tblAreaCoating	Area_Residential_Interior	373226	278789
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	329.00
tblConstructionPhase	NumDays	220.00	329.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	2.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	66.00
tblFireplaces	NumberGas	84.15	0.00
tblFireplaces	NumberNoFireplace	9.90	0.00
tblFireplaces	NumberWood	4.95	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.66

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	3.4030e-003
tblFleetMix	LHD2	5.7910e-003	1.2230e-003
tblFleetMix	MCY	4.8960e-003	8.4240e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.6600e-004	0.00
tblFleetMix	MHD	0.03	5.3740e-003
tblFleetMix	OBUS	1.7130e-003	0.00
tblFleetMix	SBUS	5.9000e-004	0.00
tblFleetMix	UBUS	1.5530e-003	0.00
tblGrading	MaterialImported	0.00	75.00
tblGrading	MaterialImported	0.00	384.00
tblLandUse	LandUseSquareFeet	27,710.00	0.00
tblLandUse	LandUseSquareFeet	52,370.00	0.00
tblLandUse	LandUseSquareFeet	20,390.00	20,387.00
tblLandUse	LandUseSquareFeet	99,000.00	184,309.00
tblLandUse	LotAcreage	6.19	0.60
tblOffRoadEquipment	HorsePower	231.00	173.00
tblOffRoadEquipment	HorsePower	89.00	130.00
tblOffRoadEquipment	HorsePower	97.00	55.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	257.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	65.00	232.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblTripsAndVMT	HaulingTripNumber	9.00	10.00
tblTripsAndVMT	HaulingTripNumber	227.00	256.00
tblTripsAndVMT	HaulingTripNumber	130.00	147.00
tblTripsAndVMT	HaulingTripNumber	99.00	200.00
tblTripsAndVMT	HaulingTripNumber	48.00	52.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,450,248.54	18,799,325.00
tblWater	OutdoorWaterUseRate	4,066,461.03	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	4.95	0.00
tblWoodstoves	NumberNoncatalytic	4.95	0.00

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					
2019	8.6890	127.5745	54.0869	0.2717	43.3316	3.1492	46.5067	9.4358	2.9331	12.3937	0.0000	29,076.2910	29,076.2910	4.8224	0.0000	29,196.8519
2020	4.0605	37.6271	21.9606	0.0521	7.3280	1.7315	9.0595	3.6592	1.5934	5.2526	0.0000	5,133.4118	5,133.4118	1.2130	0.0000	5,163.7367
2021	1.2602	8.7431	9.1564	0.0218	1.1625	0.3958	1.5583	0.3103	0.3643	0.6746	0.0000	2,175.9436	2,175.9436	0.3273	0.0000	2,184.1251

Maximum	8.6890	127.5745	54.0869	0.2717	43.3316	3.1492	46.5067	9.4358	2.9331	12.3937	0.0000	29,076.2910	29,076.2910	4.8224	0.0000	29,196.8519
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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					
2019	3.5550	71.1841	69.9946	0.2717	20.4956	0.5001	21.0215	4.5795	0.4824	5.0867	0.0000	29,076.2910	29,076.2910	4.8224	0.0000	29,196.8519
2020	1.1536	5.2960	23.6579	0.0521	3.7797	0.0566	3.8363	1.7394	0.0574	1.7968	0.0000	5,133.4118	5,133.4118	1.2130	0.0000	5,163.7367
2021	0.6445	2.0092	9.7486	0.0218	1.0728	0.0242	1.0970	0.2883	0.0235	0.3118	0.0000	2,175.9436	2,175.9436	0.3273	0.0000	2,184.1251
Maximum	3.5550	71.1841	69.9946	0.2717	20.4956	0.5001	21.0215	4.5795	0.4824	5.0867	0.0000	29,076.2910	29,076.2910	4.8224	0.0000	29,196.8519

	ROG	NOx	CO	SO2	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	61.79	54.88	-21.36	0.00	51.09	88.99	54.56	50.71	88.48	60.73	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	7/1/2019	9/30/2019	5	66	
2	OCMA - Building Demo Debris Haul	Demolition	7/1/2019	7/2/2019	5	2	
3	Admin Office - Building Demo Debris Haul	Demolition	7/1/2019	7/9/2019	5	7	
4	Asphalt Demolition	Demolition	7/1/2019	7/11/2019	5	9	
5	Site Preparation	Site Preparation	7/1/2019	9/30/2019	5	66	
6	Rough Grading Soil Haul	Grading	7/1/2019	9/20/2019	5	60	
7	Excavation and Trenching	Trenching	7/1/2019	9/30/2019	5	66	

8	Building Construction	Building Construction	10/1/2019	1/1/2021	5	329
9	Architectural Coating	Architectural Coating	10/1/2019	1/1/2021	5	329
10	Fine Grading	Grading	10/1/2020	12/1/2020	5	44
11	Fine Grading Soil Haul	Grading	10/1/2020	11/11/2020	5	30
12	Paving/Finishing/Landscaping	Paving	10/1/2020	12/1/2020	5	44

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.31

Residential Indoor: 279,919; Residential Outdoor: 12,441; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Demolition	Excavators	2	8.00	257	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	8.00	232	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	55	0.37
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	271	0.37
Rough Grading Soil Haul	Graders	0	8.00	187	0.41
Rough Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Excavation and Trenching	Excavators	2	8.00	417	0.38
Excavation and Trenching	Plate Compactors	1	8.00	8	0.43
Excavation and Trenching	Rollers	1	8.00	80	0.38

Excavation and Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Excavation and Trenching	Tractors/Loaders/Backhoes	0	8.00	271	0.37
Excavation and Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
OCMA - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
OCMA - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
OCMA - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Admin Office - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Admin Office - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Admin Office - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	1	8.00	173	0.29
Building Construction	Forklifts	2	8.00	130	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Skid Steer Loaders	1	8.00	65	0.37
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Fine Grading Soil Haul	Graders	0	8.00	187	0.41
Fine Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving/Finishing/Landscaping	Cement and Mortar Mixers	0	8.00	9	0.56
Paving/Finishing/Landscaping	Pavers	0	8.00	130	0.42
Paving/Finishing/Landscaping	Paving Equipment	0	8.00	132	0.36
Paving/Finishing/Landscaping	Rollers	0	8.00	80	0.38
Paving/Finishing/Landscaping	Rubber Tired Dozers	1	8.00	247	0.40

Paving/Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	271	0.37
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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	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading Soil Haul	0	0.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Trenching	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
OCMA - Building	0	0.00	0.00	256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Debris Haul Admin Office -	0	0.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demo Debris Asphalt Demolition	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	2	5.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Soil Haul	0	0.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Finishing/Landscaping	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.2428	18.6333	11.6809	0.0444		0.7179	0.7179		0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487
Total	2.2428	18.6333	11.6809	0.0444	0.0000	0.7179	0.7179	0.0000	0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0256	3.1200e-003	0.0287	7.3500e-003	2.9900e-003	0.0103		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0854	0.4990	0.6272	2.5800e-003	0.1932	4.2400e-003	0.1975	0.0518	4.0200e-003	0.0558		266.4081	266.4081	0.0136		266.7492

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5817	4.1144	20.8274	0.0444		0.0718	0.0718		0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487

Total	0.5817	4.1144	20.8274	0.0444	0.0000	0.0718	0.0718	0.0000	0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0156	0.4544	0.1317	9.8000e-004	0.0239	3.1200e-003	0.0270	6.9500e-003	2.9900e-003	9.9400e-003		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1546	1.1200e-003	0.1557	0.0413	1.0300e-003	0.0423		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0854	0.4990	0.6272	2.5800e-003	0.1785	4.2400e-003	0.1827	0.0482	4.0200e-003	0.0522		266.4081	266.4081	0.0136		266.7492

3.3 OCMA - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					24.6089	0.0000	24.6089	3.7260	0.0000	3.7260			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	24.6089	0.0000	24.6089	3.7260	0.0000	3.7260		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	1.0919	38.4399	9.6293	0.0978	2.2289	0.1489	2.3778	0.6102	0.1425	0.7526		10,877.3179	10,877.3179	1.1823		10,906.8741
Vendor	0.0000	0.0000	0.0000	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	1.0919	38.4399	9.6293	0.0978	2.2289	0.1489	2.3778	0.6102	0.1425	0.7526		10,877.3179	10,877.3179	1.1823		10,906.8741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					10.5203	0.0000	10.5203	1.5929	0.0000	1.5929			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	10.5203	0.0000	10.5203	1.5929	0.0000	1.5929	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	1.0919	38.4399	9.6293	0.0978	2.0766	0.1489	2.2255	0.5728	0.1425	0.7153		10,877.3179	10,877.3179	1.1823		10,906.8741
Vendor	0.0000	0.0000	0.0000	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	1.0919	38.4399	9.6293	0.0978	2.0766	0.1489	2.2255	0.5728	0.1425	0.7153		10,877.3179	10,877.3179	1.1823		10,906.8741

3.4 Admin Office - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0261	0.0000	4.0261	0.6096	0.0000	0.6096			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	4.0261	0.0000	4.0261	0.6096	0.0000	0.6096		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	0.1791	6.3065	1.5798	0.0161	0.3657	0.0244	0.3901	0.1001	0.0234	0.1235		1,784.5600	1,784.5600	0.1940		1,789.4090
Vendor	0.0000	0.0000	0.0000	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	0.1791	6.3065	1.5798	0.0161	0.3657	0.0244	0.3901	0.1001	0.0234	0.1235		1,784.5600	1,784.5600	0.1940		1,789.4090

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7211	0.0000	1.7211	0.2606	0.0000	0.2606			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	1.7211	0.0000	1.7211	0.2606	0.0000	0.2606	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	0.1791	6.3065	1.5798	0.0161	0.3407	0.0244	0.3651	0.0940	0.0234	0.1174		1,784.5600	1,784.5600	0.1940		1,789.4090
Vendor	0.0000	0.0000	0.0000	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	0.1791	6.3065	1.5798	0.0161	0.3407	0.0244	0.3651	0.0940	0.0234	0.1174		1,784.5600	1,784.5600	0.1940		1,789.4090

3.5 Asphalt Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3777	0.0000	2.3777	0.3600	0.0000	0.3600			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	2.3777	0.0000	2.3777	0.3600	0.0000	0.3600		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	0.1896	6.6736	1.6718	0.0170	0.3870	0.0259	0.4128	0.1059	0.0247	0.1307		1,888.4232	1,888.4232	0.2053		1,893.5545
Vendor	0.0000	0.0000	0.0000	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	0.1896	6.6736	1.6718	0.0170	0.3870	0.0259	0.4128	0.1059	0.0247	0.1307		1,888.4232	1,888.4232	0.2053		1,893.5545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0165	0.0000	1.0165	0.1539	0.0000	0.1539			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	1.0165	0.0000	1.0165	0.1539	0.0000	0.1539	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	0.1896	6.6736	1.6718	0.0170	0.3605	0.0259	0.3864	0.0994	0.0247	0.1242		1,888.4232	1,888.4232	0.2053		1,893.5545
Vendor	0.0000	0.0000	0.0000	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	0.1896	6.6736	1.6718	0.0170	0.3605	0.0259	0.3864	0.0994	0.0247	0.1242		1,888.4232	1,888.4232	0.2053		1,893.5545

3.6 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.7783	19.9125	8.8078	0.0265		0.8378	0.8378		0.7707	0.7707		2,619.9269	2,619.9269	0.8289		2,640.6499
Total	1.7783	19.9125	8.8078	0.0265	6.0221	0.8378	6.8598	3.3102	0.7707	4.0810		2,619.9269	2,619.9269	0.8289		2,640.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0256	3.1200e-003	0.0287	7.3500e-003	2.9900e-003	0.0103		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0372	0.0238	0.2642	8.6000e-004	0.0894	6.0000e-004	0.0900	0.0237	5.5000e-004	0.0243		85.2619	85.2619	2.1000e-003		85.3144
Total	0.0528	0.4782	0.3960	1.8400e-003	0.1150	3.7200e-003	0.1187	0.0311	3.5400e-003	0.0346		191.8040	191.8040	0.0118		192.0991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.4901	4.6046	9.7911	0.0265		0.1328	0.1328		0.1244	0.1244	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499
Total	0.4901	4.6046	9.7911	0.0265	2.5744	0.1328	2.7072	1.4151	0.1244	1.5395	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0239	3.1200e-003	0.0270	6.9500e-003	2.9900e-003	9.9400e-003		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0372	0.0238	0.2642	8.6000e-004	0.0824	6.0000e-004	0.0830	0.0220	5.5000e-004	0.0226		85.2619	85.2619	2.1000e-003		85.3144
Total	0.0528	0.4782	0.3960	1.8400e-003	0.1063	3.7200e-003	0.1101	0.0290	3.5400e-003	0.0325		191.8040	191.8040	0.0118		192.0991

3.7 Rough Grading Soil Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-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
Total	0.0000	0.0000	0.0000	0.0000	7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-004		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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0151	1.0100e-003	0.0161	4.1300e-003	9.6000e-004	5.1000e-003		73.6485	73.6485	8.0000e-003		73.8486
Vendor	0.0000	0.0000	0.0000	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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0151	1.0100e-003	0.0161	4.1300e-003	9.6000e-004	5.1000e-003		73.6485	73.6485	8.0000e-003		73.8486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005			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	3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0141	1.0100e-003	0.0151	3.8800e-003	9.6000e-004	4.8400e-003		73.6485	73.6485	8.0000e-003		73.8486
Vendor	0.0000	0.0000	0.0000	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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0141	1.0100e-003	0.0151	3.8800e-003	9.6000e-004	4.8400e-003		73.6485	73.6485	8.0000e-003		73.8486

3.8 Excavation and Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221
Total	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0256	3.1200e-003	0.0287	7.3500e-003	2.9900e-003	0.0103		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0837	0.0535	0.5945	1.9200e-003	0.2012	1.3400e-003	0.2025	0.0534	1.2400e-003	0.0546		191.8393	191.8393	4.7300e-003		191.9574
Total	0.0993	0.5079	0.7263	2.9000e-003	0.2268	4.4600e-003	0.2312	0.0607	4.2300e-003	0.0649		298.3813	298.3813	0.0144		298.7421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221

Total	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0156	0.4544	0.1317	9.8000e-004	0.0239	3.1200e-003	0.0270	6.9500e-003	2.9900e-003	9.9400e-003		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0837	0.0535	0.5945	1.9200e-003	0.1855	1.3400e-003	0.1868	0.0495	1.2400e-003	0.0507		191.8393	191.8393	4.7300e-003		191.9574
Total	0.0993	0.5079	0.7263	2.9000e-003	0.2094	4.4600e-003	0.2138	0.0564	4.2300e-003	0.0607		298.3813	298.3813	0.0144		298.7421

3.9 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096
Total	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0547	1.5904	0.4611	3.4300e-003	0.0895	0.0109	0.1004	0.0257	0.0105	0.0362		372.8972	372.8972	0.0340		373.7463
Worker	0.3720	0.2376	2.6422	8.5500e-003	0.8942	5.9700e-003	0.9002	0.2372	5.5000e-003	0.2427		852.6190	852.6190	0.0210		853.1441
Total	0.4267	1.8280	3.1034	0.0120	0.9837	0.0169	1.0006	0.2629	0.0160	0.2789		1,225.5161	1,225.5161	0.0550		1,226.8904

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0547	1.5904	0.4611	3.4300e-003	0.0837	0.0109	0.0946	0.0243	0.0105	0.0348		372.8972	372.8972	0.0340		373.7463
Worker	0.3720	0.2376	2.6422	8.5500e-003	0.8243	5.9700e-003	0.8302	0.2200	5.5000e-003	0.2255		852.6190	852.6190	0.0210		853.1441
Total	0.4267	1.8280	3.1034	0.0120	0.9080	0.0169	0.9249	0.2443	0.0160	0.2603		1,225.5161	1,225.5161	0.0550		1,226.8904

3.9 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190
Total	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0467	1.4580	0.4219	3.4000e-003	0.0895	7.7400e-003	0.0972	0.0257	7.4000e-003	0.0332		370.2525	370.2525	0.0323		371.0587
Worker	0.3474	0.2129	2.4203	8.2800e-003	0.8942	5.9100e-003	0.9001	0.2372	5.4400e-003	0.2426		825.2969	825.2969	0.0188		825.7677
Total	0.3941	1.6709	2.8422	0.0117	0.9837	0.0137	0.9973	0.2629	0.0128	0.2757		1,195.5494	1,195.5494	0.0511		1,196.8263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0467	1.4580	0.4219	3.4000e-003	0.0837	7.7400e-003	0.0914	0.0243	7.4000e-003	0.0317		370.2525	370.2525	0.0323		371.0587
Worker	0.3474	0.2129	2.4203	8.2800e-003	0.8243	5.9100e-003	0.8302	0.2200	5.4400e-003	0.2254		825.2969	825.2969	0.0188		825.7677
Total	0.3941	1.6709	2.8422	0.0117	0.9080	0.0137	0.9216	0.2443	0.0128	0.2572		1,195.5494	1,195.5494	0.0511		1,196.8263

3.9 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761
Total	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.3269	0.1920	2.2421	7.9900e-003	0.8942	5.7900e-003	0.9000	0.2372	5.3300e-003	0.2425		796.6658	796.6658	0.0171		797.0922
Total	0.3661	1.5023	2.6329	0.0114	0.9837	8.6200e-003	0.9923	0.2629	8.0400e-003	0.2709		1,163.7304	1,163.7304	0.0480		1,164.9306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761

Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0837	2.8300e-003	0.0865	0.0243	2.7100e-003	0.0270		367.0646	367.0646	0.0310		367.8384
Worker	0.3269	0.1920	2.2421	7.9900e-003	0.8243	5.7900e-003	0.8300	0.2200	5.3300e-003	0.2253		796.6658	796.6658	0.0171		797.0922
Total	0.3661	1.5023	2.6329	0.0114	0.9080	8.6200e-003	0.9166	0.2443	8.0400e-003	0.2524		1,163.7304	1,163.7304	0.0480		1,164.9306

3.10 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0475	0.5285	1.7100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		170.5238	170.5238	4.2000e-003		170.6288
Total	0.0744	0.0475	0.5285	1.7100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		170.5238	170.5238	4.2000e-003		170.6288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0744	0.0475	0.5285	1.7100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		170.5238	170.5238	4.2000e-003	170.6288
Total	0.0744	0.0475	0.5285	1.7100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		170.5238	170.5238	4.2000e-003	170.6288

3.10 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0426	0.4841	1.6600e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		165.0594	165.0594	3.7700e-003		165.1535
Total	0.0695	0.0426	0.4841	1.6600e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		165.0594	165.0594	3.7700e-003		165.1535

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0426	0.4841	1.6600e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		165.0594	165.0594	3.7700e-003		165.1535
Total	0.0695	0.0426	0.4841	1.6600e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		165.0594	165.0594	3.7700e-003		165.1535

3.10 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0384	0.4484	1.6000e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		159.3332	159.3332	3.4100e-003		159.4185
Total	0.0654	0.0384	0.4484	1.6000e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		159.3332	159.3332	3.4100e-003		159.4185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					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	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0384	0.4484	1.6000e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		159.3332	159.3332	3.4100e-003		159.4185
Total	0.0654	0.0384	0.4484	1.6000e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		159.3332	159.3332	3.4100e-003		159.4185

3.11 Fine Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.1594	12.3946	5.5217	0.0106		0.6010	0.6010		0.5529	0.5529		1,027.5112	1,027.5112	0.3323		1,035.8192
Total	1.1594	12.3946	5.5217	0.0106	6.0221	0.6010	6.6231	3.3102	0.5529	3.8631		1,027.5112	1,027.5112	0.3323		1,035.8192

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0133	0.4166	0.1206	9.7000e-004	0.0256	2.2100e-003	0.0278	7.3500e-003	2.1200e-003	9.4700e-003		105.7864	105.7864	9.2100e-003		106.0168
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0351	0.4299	0.2718	1.4900e-003	0.0815	2.5800e-003	0.0840	0.0222	2.4600e-003	0.0246		157.3675	157.3675	0.0104		157.6273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.1410	1.6652	5.4927	0.0106		-0.0040	-0.0040		-0.0021	-0.0021	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192
Total	0.1410	1.6652	5.4927	0.0106	2.5744	-0.0040	2.5705	1.4151	-0.0021	1.4130	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0133	0.4166	0.1206	9.7000e-004	0.0239	2.2100e-003	0.0261	6.9500e-003	2.1200e-003	9.0700e-003		105.7864	105.7864	9.2100e-003		106.0168
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0351	0.4299	0.2718	1.4900e-003	0.0754	2.5800e-003	0.0780	0.0207	2.4600e-003	0.0232		157.3675	157.3675	0.0104		157.6273

3.12 Fine Grading Soil Haul - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005			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	2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005		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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.8000e-003	3.0000e-004	6.1100e-003	1.5900e-003	2.9000e-004	1.8800e-003		28.0060	28.0060	3.0200e-003		28.0814
Vendor	0.0000	0.0000	0.0000	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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.8000e-003	3.0000e-004	6.1100e-003	1.5900e-003	2.9000e-004	1.8800e-003		28.0060	28.0060	3.0200e-003		28.0814

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005			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	1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005	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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.4100e-003	3.0000e-004	5.7100e-003	1.4900e-003	2.9000e-004	1.7800e-003		28.0060	28.0060	3.0200e-003		28.0814
Vendor	0.0000	0.0000	0.0000	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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.4100e-003	3.0000e-004	5.7100e-003	1.4900e-003	2.9000e-004	1.7800e-003		28.0060	28.0060	3.0200e-003		28.0814

3.13 Paving/Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4220	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995
Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4881	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0217	0.0133	0.1513	5.2000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		51.5811	51.5811	1.1800e-003		51.6105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2107	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2768	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0217	0.0133	0.1513	5.2000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		51.5811	51.5811	1.1800e-003		51.6105

Vivante Senior Living Construction - Modified Mitigation - Orange County, Winter

**Vivante Senior Living Construction - Modified Mitigation
Orange County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	27.71	1000sqft	0.64	0.00	0
Other Non-Asphalt Surfaces	52.37	1000sqft	1.20	0.00	0
Parking Lot	20.39	1000sqft	0.47	20,387.00	0
Congregate Care (Assisted Living)	99.00	Dwelling Unit	0.60	184,309.00	283

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	18			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - SQFT set to 0 for non-paintable surfaces.

Construction Phase - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

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Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Off-road Equipment - Refer to CalEEMod inputs.

Trips and VMT - Refer to CalEEMod inputs.

Demolition -

Grading -

Architectural Coating - 75% of interior painted, 10% of exterior painted, 0 VOC - Mitigation

Woodstoves - No fireplaces or woodstoves

Area Coating - 75% interior painted, 10% exterior painted

Water And Wastewater - Refert to CalEEMod inputs

Construction Off-road Equipment Mitigation - SCAQMD 403 & 1186

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	124,409.00	12,441.00
tblArchitecturalCoating	ConstArea_Residential_Interior	373,226.00	279,919.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	0.00
tblAreaCoating	Area_Residential_Exterior	124409	12391
tblAreaCoating	Area_Residential_Interior	373226	278789
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	329.00
tblConstructionPhase	NumDays	220.00	329.00
tblConstructionPhase	NumDays	20.00	70.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	NumDays	3.00	66.00
tblFireplaces	NumberGas	84.15	0.00
tblFireplaces	NumberNoFireplace	9.90	0.00
tblFireplaces	NumberWood	4.95	0.00
tblFleetMix	HHD	0.02	0.00
tblFleetMix	LDA	0.56	0.66

tblFleetMix	LDT1	0.04	0.05
tblFleetMix	LDT2	0.21	0.25
tblFleetMix	LHD1	0.02	3.4030e-003
tblFleetMix	LHD2	5.7910e-003	1.2230e-003
tblFleetMix	MCY	4.8960e-003	8.4240e-003
tblFleetMix	MDV	0.11	0.02
tblFleetMix	MH	9.6600e-004	0.00
tblFleetMix	MHD	0.03	5.3740e-003
tblFleetMix	OBUS	1.7130e-003	0.00
tblFleetMix	SBUS	5.9000e-004	0.00
tblFleetMix	UBUS	1.5530e-003	0.00
tblGrading	MaterialImported	0.00	75.00
tblGrading	MaterialImported	0.00	384.00
tblLandUse	LandUseSquareFeet	27,710.00	0.00
tblLandUse	LandUseSquareFeet	52,370.00	0.00
tblLandUse	LandUseSquareFeet	20,390.00	20,387.00
tblLandUse	LandUseSquareFeet	99,000.00	184,309.00
tblLandUse	LotAcreage	6.19	0.60
tblOffRoadEquipment	HorsePower	231.00	173.00
tblOffRoadEquipment	HorsePower	89.00	130.00
tblOffRoadEquipment	HorsePower	97.00	55.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	HorsePower	85.00	350.00
tblOffRoadEquipment	HorsePower	158.00	257.00
tblOffRoadEquipment	HorsePower	158.00	417.00
tblOffRoadEquipment	HorsePower	65.00	232.00
tblOffRoadEquipment	HorsePower	97.00	271.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblTripsAndVMT	HaulingTripNumber	9.00	10.00
tblTripsAndVMT	HaulingTripNumber	227.00	256.00
tblTripsAndVMT	HaulingTripNumber	130.00	147.00
tblTripsAndVMT	HaulingTripNumber	99.00	200.00
tblTripsAndVMT	HaulingTripNumber	48.00	52.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	IndoorWaterUseRate	6,450,248.54	18,799,325.00
tblWater	OutdoorWaterUseRate	4,066,461.03	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	4.95	0.00
tblWoodstoves	NumberNoncatalytic	4.95	0.00

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					
2019	7.5971	89.1347	44.4577	0.1739	16.4939	3.0003	19.5200	5.0996	2.7907	7.9150	0.0000	18,198.9732	18,198.9732	3.6402	0.0000	18,289.9778
2020	4.0605	37.6271	21.9606	0.0521	7.3280	1.7315	9.0595	3.6592	1.5934	5.2526	0.0000	5,133.4118	5,133.4118	1.2130	0.0000	5,163.7367
2021	1.2602	8.7431	9.1564	0.0218	1.1625	0.3958	1.5583	0.3103	0.3643	0.6746	0.0000	2,175.9436	2,175.9436	0.3273	0.0000	2,184.1251

Maximum	7.5971	89.1347	44.4577	0.1739	16.4939	3.0003	19.5200	5.0996	2.7907	7.9150	0.0000	18,198.97 32	18,198.973 2	3.6402	0.0000	18,289.977 8
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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					
2019	2.4631	32.7442	60.3653	0.1739	7.8988	0.3512	8.2758	2.4139	0.3399	2.7786	0.0000	18,198.97 32	18,198.973 2	3.6402	0.0000	18,289.977 7
2020	1.1536	5.2960	23.6579	0.0521	3.7797	0.0566	3.8363	1.7394	0.0574	1.7968	0.0000	5,133.411 8	5,133.4118	1.2130	0.0000	5,163.7367
2021	0.6445	2.0092	9.7486	0.0218	1.0728	0.0242	1.0970	0.2883	0.0235	0.3118	0.0000	2,175.943 6	2,175.9436	0.3273	0.0000	2,184.1251
Maximum	2.4631	32.7442	60.3653	0.1739	7.8988	0.3512	8.2758	2.4139	0.3399	2.7786	0.0000	18,198.97 32	18,198.973 2	3.6402	0.0000	18,289.977 7

	ROG	NOx	CO	SO2	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	67.01	70.44	-24.08	0.00	48.96	91.58	56.17	51.03	91.14	64.69	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	6/25/2019	9/30/2019	5	70	
2	OCMA - Building Demo Debris Haul	Demolition	6/25/2019	6/28/2019	5	4	
3	Admin Office - Building Demo Debris Haul	Demolition	7/1/2019	7/9/2019	5	7	
4	Asphalt Demolition	Demolition	7/1/2019	7/11/2019	5	9	
5	Site Preparation	Site Preparation	7/1/2019	9/30/2019	5	66	
6	Rough Grading Soil Haul	Grading	7/1/2019	9/20/2019	5	60	
7	Excavation and Trenching	Trenching	7/1/2019	9/30/2019	5	66	

8	Building Construction	Building Construction	10/1/2019	1/1/2021	5	329
9	Architectural Coating	Architectural Coating	10/1/2019	1/1/2021	5	329
10	Fine Grading	Grading	10/1/2020	12/1/2020	5	44
11	Fine Grading Soil Haul	Grading	10/1/2020	11/11/2020	5	30
12	Paving/Finishing/Landscaping	Paving	10/1/2020	12/1/2020	5	44

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 2.31

Residential Indoor: 279,919; Residential Outdoor: 12,441; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Crushing/Proc. Equipment	1	8.00	350	0.78
Demolition	Excavators	2	8.00	257	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Skid Steer Loaders	1	8.00	232	0.37
Demolition	Tractors/Loaders/Backhoes	2	8.00	55	0.37
OCMA - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
OCMA - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
OCMA - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Admin Office - Building Demo Debris Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Admin Office - Building Demo Debris Haul	Rubber Tired Dozers	0	8.00	247	0.40
Admin Office - Building Demo Debris Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Asphalt Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Asphalt Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Asphalt Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Bore/Drill Rigs	1	8.00	221	0.50
Site Preparation	Graders	0	8.00	187	0.41

Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	271	0.37
Rough Grading Soil Haul	Graders	0	8.00	187	0.41
Rough Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Excavation and Trenching	Excavators	2	8.00	417	0.38
Excavation and Trenching	Plate Compactors	1	8.00	83	0.43
Excavation and Trenching	Rollers	1	8.00	80	0.38
Excavation and Trenching	Rubber Tired Dozers	1	8.00	247	0.40
Excavation and Trenching	Tractors/Loaders/Backhoes	0	8.00	271	0.37
Excavation and Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	173	0.29
Building Construction	Forklifts	2	8.00	130	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Fine Grading	Graders	0	8.00	187	0.41
Fine Grading	Rubber Tired Dozers	1	8.00	247	0.40
Fine Grading	Skid Steer Loaders	1	8.00	65	0.37
Fine Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Fine Grading Soil Haul	Graders	0	8.00	187	0.41
Fine Grading Soil Haul	Rubber Tired Dozers	0	8.00	247	0.40
Fine Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving/Finishing/Landscaping	Cement and Mortar Mixers	0	8.00	93	0.56
Paving/Finishing/Landscaping	Pavers	0	8.00	130	0.42
Paving/Finishing/Landscaping	Paving Equipment	0	8.00	132	0.36
Paving/Finishing/Landscaping	Rollers	0	8.00	80	0.38
Paving/Finishing/Landscaping	Rubber Tired Dozers	1	8.00	247	0.40

Paving/Finishing/Landscaping	Tractors/Loaders/Backhoes	1	8.00	271	0.37
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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	6	15.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
OCMA - Building	0	0.00	0.00	256.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo Debris Haul Admin Office -	0	0.00	0.00	147.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Demo Debris Asphalt Demolition	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading Soil Haul	0	0.00	0.00	52.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Excavation and Trenching	7	18.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	80.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading	2	5.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Fine Grading Soil Haul	0	0.00	0.00	10.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving/Finishing/Landscaping	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Use Cleaner Engines for Construction Equipment
- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

ROG	NOx	CO	SO2	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	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.2428	18.6333	11.6809	0.0444		0.7179	0.7179		0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487
Total	2.2428	18.6333	11.6809	0.0444	0.0000	0.7179	0.7179	0.0000	0.6878	0.6878		4,742.8478	4,742.8478	0.7600		4,761.8487

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0256	3.1200e-003	0.0287	7.3500e-003	2.9900e-003	0.0103		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1677	1.1200e-003	0.1688	0.0445	1.0300e-003	0.0455		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0854	0.4990	0.6272	2.5800e-003	0.1932	4.2400e-003	0.1975	0.0518	4.0200e-003	0.0558		266.4081	266.4081	0.0136		266.7492

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.5817	4.1144	20.8274	0.0444		0.0718	0.0718		0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487

Total	0.5817	4.1144	20.8274	0.0444	0.0000	0.0718	0.0718	0.0000	0.0718	0.0718	0.0000	4,742.8478	4,742.8478	0.7600		4,761.8487
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0156	0.4544	0.1317	9.8000e-004	0.0239	3.1200e-003	0.0270	6.9500e-003	2.9900e-003	9.9400e-003		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0697	0.0446	0.4954	1.6000e-003	0.1546	1.1200e-003	0.1557	0.0413	1.0300e-003	0.0423		159.8661	159.8661	3.9400e-003		159.9645
Total	0.0854	0.4990	0.6272	2.5800e-003	0.1785	4.2400e-003	0.1827	0.0482	4.0200e-003	0.0522		266.4081	266.4081	0.0136		266.7492

3.3 OCMA - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					12.3044	0.0000	12.3044	1.8630	0.0000	1.8630			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	12.3044	0.0000	12.3044	1.8630	0.0000	1.8630		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	0.5459	19.2199	4.8146	0.0489	1.1144	0.0745	1.1889	0.3051	0.0712	0.3763		5,438.6589	5,438.6589	0.5911		5,453.4371
Vendor	0.0000	0.0000	0.0000	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	0.5459	19.2199	4.8146	0.0489	1.1144	0.0745	1.1889	0.3051	0.0712	0.3763		5,438.6589	5,438.6589	0.5911		5,453.4371

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.2601	0.0000	5.2601	0.7964	0.0000	0.7964			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	5.2601	0.0000	5.2601	0.7964	0.0000	0.7964	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	0.5459	19.2199	4.8146	0.0489	1.0383	0.0745	1.1127	0.2864	0.0712	0.3576		5,438.6589	5,438.6589	0.5911		5,453.4371
Vendor	0.0000	0.0000	0.0000	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	0.5459	19.2199	4.8146	0.0489	1.0383	0.0745	1.1127	0.2864	0.0712	0.3576		5,438.6589	5,438.6589	0.5911		5,453.4371

3.4 Admin Office - Building Demo Debris Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0261	0.0000	4.0261	0.6096	0.0000	0.6096			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	4.0261	0.0000	4.0261	0.6096	0.0000	0.6096		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	0.1791	6.3065	1.5798	0.0161	0.3657	0.0244	0.3901	0.1001	0.0234	0.1235		1,784.5600	1,784.5600	0.1940		1,789.4090
Vendor	0.0000	0.0000	0.0000	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	0.1791	6.3065	1.5798	0.0161	0.3657	0.0244	0.3901	0.1001	0.0234	0.1235		1,784.5600	1,784.5600	0.1940		1,789.4090

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7211	0.0000	1.7211	0.2606	0.0000	0.2606			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	1.7211	0.0000	1.7211	0.2606	0.0000	0.2606	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	0.1791	6.3065	1.5798	0.0161	0.3407	0.0244	0.3651	0.0940	0.0234	0.1174		1,784.5600	1,784.5600	0.1940		1,789.4090
Vendor	0.0000	0.0000	0.0000	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	0.1791	6.3065	1.5798	0.0161	0.3407	0.0244	0.3651	0.0940	0.0234	0.1174		1,784.5600	1,784.5600	0.1940		1,789.4090

3.5 Asphalt Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.3777	0.0000	2.3777	0.3600	0.0000	0.3600			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	2.3777	0.0000	2.3777	0.3600	0.0000	0.3600		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	0.1896	6.6736	1.6718	0.0170	0.3870	0.0259	0.4128	0.1059	0.0247	0.1307		1,888.4232	1,888.4232	0.2053		1,893.5545
Vendor	0.0000	0.0000	0.0000	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	0.1896	6.6736	1.6718	0.0170	0.3870	0.0259	0.4128	0.1059	0.0247	0.1307		1,888.4232	1,888.4232	0.2053		1,893.5545

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0165	0.0000	1.0165	0.1539	0.0000	0.1539			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	1.0165	0.0000	1.0165	0.1539	0.0000	0.1539	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	0.1896	6.6736	1.6718	0.0170	0.3605	0.0259	0.3864	0.0994	0.0247	0.1242		1,888.4232	1,888.4232	0.2053		1,893.5545
Vendor	0.0000	0.0000	0.0000	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	0.1896	6.6736	1.6718	0.0170	0.3605	0.0259	0.3864	0.0994	0.0247	0.1242		1,888.4232	1,888.4232	0.2053		1,893.5545

3.6 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.7783	19.9125	8.8078	0.0265		0.8378	0.8378		0.7707	0.7707		2,619.9269	2,619.9269	0.8289		2,640.6499
Total	1.7783	19.9125	8.8078	0.0265	6.0221	0.8378	6.8598	3.3102	0.7707	4.0810		2,619.9269	2,619.9269	0.8289		2,640.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0256	3.1200e-003	0.0287	7.3500e-003	2.9900e-003	0.0103		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0372	0.0238	0.2642	8.6000e-004	0.0894	6.0000e-004	0.0900	0.0237	5.5000e-004	0.0243		85.2619	85.2619	2.1000e-003		85.3144
Total	0.0528	0.4782	0.3960	1.8400e-003	0.1150	3.7200e-003	0.1187	0.0311	3.5400e-003	0.0346		191.8040	191.8040	0.0118		192.0991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.4901	4.6046	9.7911	0.0265		0.1328	0.1328		0.1244	0.1244	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499
Total	0.4901	4.6046	9.7911	0.0265	2.5744	0.1328	2.7072	1.4151	0.1244	1.5395	0.0000	2,619.9269	2,619.9269	0.8289		2,640.6499

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0239	3.1200e-003	0.0270	6.9500e-003	2.9900e-003	9.9400e-003		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0372	0.0238	0.2642	8.6000e-004	0.0824	6.0000e-004	0.0830	0.0220	5.5000e-004	0.0226		85.2619	85.2619	2.1000e-003		85.3144
Total	0.0528	0.4782	0.3960	1.8400e-003	0.1063	3.7200e-003	0.1101	0.0290	3.5400e-003	0.0325		191.8040	191.8040	0.0118		192.0991

3.7 Rough Grading Soil Haul - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-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
Total	0.0000	0.0000	0.0000	0.0000	7.2000e-004	0.0000	7.2000e-004	1.1000e-004	0.0000	1.1000e-004		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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0151	1.0100e-003	0.0161	4.1300e-003	9.6000e-004	5.1000e-003		73.6485	73.6485	8.0000e-003		73.8486
Vendor	0.0000	0.0000	0.0000	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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0151	1.0100e-003	0.0161	4.1300e-003	9.6000e-004	5.1000e-003		73.6485	73.6485	8.0000e-003		73.8486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005			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	3.1000e-004	0.0000	3.1000e-004	5.0000e-005	0.0000	5.0000e-005	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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0141	1.0100e-003	0.0151	3.8800e-003	9.6000e-004	4.8400e-003		73.6485	73.6485	8.0000e-003		73.8486
Vendor	0.0000	0.0000	0.0000	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	7.3900e-003	0.2603	0.0652	6.6000e-004	0.0141	1.0100e-003	0.0151	3.8800e-003	9.6000e-004	4.8400e-003		73.6485	73.6485	8.0000e-003		73.8486

3.8 Excavation and Trenching - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221
Total	2.7728	29.1899	17.2311	0.0450		1.3810	1.3810		1.2713	1.2713		4,444.5501	4,444.5501	1.3989		4,479.5221

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.4544	0.1317	9.8000e-004	0.0256	3.1200e-003	0.0287	7.3500e-003	2.9900e-003	0.0103		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0837	0.0535	0.5945	1.9200e-003	0.2012	1.3400e-003	0.2025	0.0534	1.2400e-003	0.0546		191.8393	191.8393	4.7300e-003		191.9574
Total	0.0993	0.5079	0.7263	2.9000e-003	0.2268	4.4600e-003	0.2312	0.0607	4.2300e-003	0.0649		298.3813	298.3813	0.0144		298.7421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221

Total	0.5882	2.6262	23.0089	0.0450		0.0828	0.0828		0.0828	0.0828	0.0000	4,444.5501	4,444.5501	1.3989		4,479.5221
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0156	0.4544	0.1317	9.8000e-004	0.0239	3.1200e-003	0.0270	6.9500e-003	2.9900e-003	9.9400e-003		106.5421	106.5421	9.7000e-003		106.7847
Worker	0.0837	0.0535	0.5945	1.9200e-003	0.1855	1.3400e-003	0.1868	0.0495	1.2400e-003	0.0507		191.8393	191.8393	4.7300e-003		191.9574
Total	0.0993	0.5079	0.7263	2.9000e-003	0.2094	4.4600e-003	0.2138	0.0564	4.2300e-003	0.0607		298.3813	298.3813	0.0144		298.7421

3.9 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096
Total	0.8529	8.8079	6.1996	8.8000e-003		0.4739	0.4739		0.4360	0.4360		871.9130	871.9130	0.2759		878.8096

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0547	1.5904	0.4611	3.4300e-003	0.0895	0.0109	0.1004	0.0257	0.0105	0.0362		372.8972	372.8972	0.0340		373.7463
Worker	0.3720	0.2376	2.6422	8.5500e-003	0.8942	5.9700e-003	0.9002	0.2372	5.5000e-003	0.2427		852.6190	852.6190	0.0210		853.1441
Total	0.4267	1.8280	3.1034	0.0120	0.9837	0.0169	1.0006	0.2629	0.0160	0.2789		1,225.5161	1,225.5161	0.0550		1,226.8904

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	871.9130	871.9130	0.2759		878.8096

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0547	1.5904	0.4611	3.4300e-003	0.0837	0.0109	0.0946	0.0243	0.0105	0.0348		372.8972	372.8972	0.0340		373.7463
Worker	0.3720	0.2376	2.6422	8.5500e-003	0.8243	5.9700e-003	0.8302	0.2200	5.5000e-003	0.2255		852.6190	852.6190	0.0210		853.1441
Total	0.4267	1.8280	3.1034	0.0120	0.9080	0.0169	0.9249	0.2443	0.0160	0.2603		1,225.5161	1,225.5161	0.0550		1,226.8904

3.9 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190
Total	0.7851	7.9728	6.1317	8.8000e-003		0.4283	0.4283		0.3941	0.3941		852.9227	852.9227	0.2759		859.8190

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0467	1.4580	0.4219	3.4000e-003	0.0895	7.7400e-003	0.0972	0.0257	7.4000e-003	0.0332		370.2525	370.2525	0.0323		371.0587
Worker	0.3474	0.2129	2.4203	8.2800e-003	0.8942	5.9100e-003	0.9001	0.2372	5.4400e-003	0.2426		825.2969	825.2969	0.0188		825.7677
Total	0.3941	1.6709	2.8422	0.0117	0.9837	0.0137	0.9973	0.2629	0.0128	0.2757		1,195.5494	1,195.5494	0.0511		1,196.8263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190
Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.9227	852.9227	0.2759		859.8190

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0467	1.4580	0.4219	3.4000e-003	0.0837	7.7400e-003	0.0914	0.0243	7.4000e-003	0.0317		370.2525	370.2525	0.0323		371.0587
Worker	0.3474	0.2129	2.4203	8.2800e-003	0.8243	5.9100e-003	0.8302	0.2200	5.4400e-003	0.2254		825.2969	825.2969	0.0188		825.7677
Total	0.3941	1.6709	2.8422	0.0117	0.9080	0.0137	0.9216	0.2443	0.0128	0.2572		1,195.5494	1,195.5494	0.0511		1,196.8263

3.9 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761
Total	0.7238	7.2024	6.0750	8.8000e-003		0.3860	0.3860		0.3552	0.3552		852.8801	852.8801	0.2758		859.7761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0895	2.8300e-003	0.0923	0.0257	2.7100e-003	0.0285		367.0646	367.0646	0.0310		367.8384
Worker	0.3269	0.1920	2.2421	7.9900e-003	0.8942	5.7900e-003	0.9000	0.2372	5.3300e-003	0.2425		796.6658	796.6658	0.0171		797.0922
Total	0.3661	1.5023	2.6329	0.0114	0.9837	8.6200e-003	0.9923	0.2629	8.0400e-003	0.2709		1,163.7304	1,163.7304	0.0480		1,164.9306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761

Total	0.1081	0.4685	6.6673	8.8000e-003		0.0144	0.0144		0.0144	0.0144	0.0000	852.8801	852.8801	0.2758		859.7761
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3103	0.3908	3.3700e-003	0.0837	2.8300e-003	0.0865	0.0243	2.7100e-003	0.0270		367.0646	367.0646	0.0310		367.8384
Worker	0.3269	0.1920	2.2421	7.9900e-003	0.8243	5.7900e-003	0.8300	0.2200	5.3300e-003	0.2253		796.6658	796.6658	0.0171		797.0922
Total	0.3661	1.5023	2.6329	0.0114	0.9080	8.6200e-003	0.9166	0.2443	8.0400e-003	0.2524		1,163.7304	1,163.7304	0.0480		1,164.9306

3.10 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0475	0.5285	1.7100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		170.5238	170.5238	4.2000e-003		170.6288
Total	0.0744	0.0475	0.5285	1.7100e-003	0.1788	1.1900e-003	0.1800	0.0474	1.1000e-003	0.0485		170.5238	170.5238	4.2000e-003		170.6288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0744	0.0475	0.5285	1.7100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		170.5238	170.5238	4.2000e-003	170.6288
Total	0.0744	0.0475	0.5285	1.7100e-003	0.1649	1.1900e-003	0.1660	0.0440	1.1000e-003	0.0451		170.5238	170.5238	4.2000e-003	170.6288

3.10 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0426	0.4841	1.6600e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		165.0594	165.0594	3.7700e-003		165.1535
Total	0.0695	0.0426	0.4841	1.6600e-003	0.1788	1.1800e-003	0.1800	0.0474	1.0900e-003	0.0485		165.0594	165.0594	3.7700e-003		165.1535

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0695	0.0426	0.4841	1.6600e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		165.0594	165.0594	3.7700e-003		165.1535
Total	0.0695	0.0426	0.4841	1.6600e-003	0.1649	1.1800e-003	0.1660	0.0440	1.0900e-003	0.0451		165.0594	165.0594	3.7700e-003		165.1535

3.10 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0384	0.4484	1.6000e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		159.3332	159.3332	3.4100e-003		159.4185
Total	0.0654	0.0384	0.4484	1.6000e-003	0.1788	1.1600e-003	0.1800	0.0474	1.0700e-003	0.0485		159.3332	159.3332	3.4100e-003		159.4185

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.1049					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.1049	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0654	0.0384	0.4484	1.6000e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		159.3332	159.3332	3.4100e-003		159.4185
Total	0.0654	0.0384	0.4484	1.6000e-003	0.1649	1.1600e-003	0.1660	0.0440	1.0700e-003	0.0451		159.3332	159.3332	3.4100e-003		159.4185

3.11 Fine Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.1594	12.3946	5.5217	0.0106		0.6010	0.6010		0.5529	0.5529		1,027.5112	1,027.5112	0.3323		1,035.8192
Total	1.1594	12.3946	5.5217	0.0106	6.0221	0.6010	6.6231	3.3102	0.5529	3.8631		1,027.5112	1,027.5112	0.3323		1,035.8192

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0133	0.4166	0.1206	9.7000e-004	0.0256	2.2100e-003	0.0278	7.3500e-003	2.1200e-003	9.4700e-003		105.7864	105.7864	9.2100e-003		106.0168
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0351	0.4299	0.2718	1.4900e-003	0.0815	2.5800e-003	0.0840	0.0222	2.4600e-003	0.0246		157.3675	157.3675	0.0104		157.6273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5744	0.0000	2.5744	1.4151	0.0000	1.4151			0.0000			0.0000
Off-Road	0.1410	1.6652	5.4927	0.0106		-0.0040	-0.0040		-0.0021	-0.0021	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192
Total	0.1410	1.6652	5.4927	0.0106	2.5744	-0.0040	2.5705	1.4151	-0.0021	1.4130	0.0000	1,027.5112	1,027.5112	0.3323		1,035.8192

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0133	0.4166	0.1206	9.7000e-004	0.0239	2.2100e-003	0.0261	6.9500e-003	2.1200e-003	9.0700e-003		105.7864	105.7864	9.2100e-003		106.0168
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0351	0.4299	0.2718	1.4900e-003	0.0754	2.5800e-003	0.0780	0.0207	2.4600e-003	0.0232		157.3675	157.3675	0.0104		157.6273

3.12 Fine Grading Soil Haul - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005			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	2.8000e-004	0.0000	2.8000e-004	4.0000e-005	0.0000	4.0000e-005		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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.8000e-003	3.0000e-004	6.1100e-003	1.5900e-003	2.9000e-004	1.8800e-003		28.0060	28.0060	3.0200e-003		28.0814
Vendor	0.0000	0.0000	0.0000	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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.8000e-003	3.0000e-004	6.1100e-003	1.5900e-003	2.9000e-004	1.8800e-003		28.0060	28.0060	3.0200e-003		28.0814

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005			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	1.2000e-004	0.0000	1.2000e-004	2.0000e-005	0.0000	2.0000e-005	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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.4100e-003	3.0000e-004	5.7100e-003	1.4900e-003	2.9000e-004	1.7800e-003		28.0060	28.0060	3.0200e-003		28.0814
Vendor	0.0000	0.0000	0.0000	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	2.5800e-003	0.0928	0.0244	2.5000e-004	5.4100e-003	3.0000e-004	5.7100e-003	1.4900e-003	2.9000e-004	1.7800e-003		28.0060	28.0060	3.0200e-003		28.0814

3.13 Paving/Finishing/Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4220	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995
Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4881	15.0102	6.5335	0.0171		0.6841	0.6841		0.6294	0.6294		1,655.4146	1,655.4146	0.5354		1,668.7995

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0217	0.0133	0.1513	5.2000e-004	0.0559	3.7000e-004	0.0563	0.0148	3.4000e-004	0.0152		51.5811	51.5811	1.1800e-003		51.6105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2107	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Paving	0.0661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2768	0.9129	7.7242	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,655.4146	1,655.4146	0.5354		1,668.7995

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	0.0133	0.1513	5.2000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		51.5811	51.5811	1.1800e-003		51.6105
Total	0.0217	0.0133	0.1513	5.2000e-004	0.0515	3.7000e-004	0.0519	0.0138	3.4000e-004	0.0141		51.5811	51.5811	1.1800e-003		51.6105

Regional Construction Emissions Worksheet - Unmitigated

*CalEEMod, Version 2016.3.2

Demolition		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019 Summer						
Onsite	2019						
	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.58	4.11	20.83	0.04	0.07	0.07
	Total	0.58	4.11	20.83	0.04	0.07	0.07
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.45	0.13	0.00	0.03	0.01
	Worker	0.07	0.04	0.54	0.00	0.16	0.04
	Total	0.09	0.50	0.66	0.00	0.18	0.05
TOTAL		0.67	4.61	21.48	0.05	0.25	0.12

OCMA - Building Demo Debris Haul		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	Fugitive Dust	0.00	0.00	0.00	0.00	10.52	1.59
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	10.52	1.59
Offsite							
	Hauling	1.09	38.44	9.63	0.10	2.23	0.72
	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	1.09	38.44	9.63	0.10	2.23	0.71
TOTAL		1.09	38.44	9.63	0.10	12.75	2.31

Admin Office - Building Demo Debris Haul		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	Fugitive Dust	0.00	0.00	0.00	0.00	1.72	0.26
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	1.72	0.26
Offsite							
	Hauling	0.18	6.31	1.58	0.02	0.37	0.12
	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	0.18	6.31	1.58	0.02	0.37	0.12
TOTAL		0.18	6.31	1.58	0.02	2.09	0.38

Asphalt Demolition - Demo Debris Haul		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	Fugitive Dust	0.00	0.00	0.00	0.00	1.02	0.15
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	1.02	0.15
Offsite							
	Hauling	0.19	6.67	1.67	0.02	0.39	0.12
	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	0.19	6.67	1.67	0.02	0.39	0.12
TOTAL		0.19	6.67	1.67	0.02	1.40	0.28

Site Preparation

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	Fugitive Dust	0.00	0.00	0.00	0.00	2.57	1.42
	Off-Road	0.49	4.60	9.79	0.03	0.13	0.12
	Total	0.49	4.60	9.79	0.03	2.71	1.54
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.45	0.13	0.00	0.03	0.01
	Worker	0.04	0.02	0.29	0.00	0.08	0.02
	Total	0.05	0.48	0.41	0.00	0.11	0.03
TOTAL		0.54	5.08	10.20	0.03	2.82	1.57

Rough Grading Soil Haul		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	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	0.01	0.26	0.07	0.00	0.02	0.00
	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	0.01	0.26	0.07	0.00	0.02	0.00
TOTAL		0.01	0.26	0.07	0.00	0.02	0.00

Excavation and Trenching		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	Fugitive Dust	0.59	2.63	23.01	0.05	0.08	0.08
	Off-Road	0.59	2.63	23.01	0.05	0.08	0.08
	Total	0.00	0.00	0.00	0.00	0.00	0.00
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.45	0.13	0.00	0.03	0.01
	Worker	0.08	0.05	0.64	0.00	0.19	0.05
	Total	0.10	0.51	0.76	0.00	0.21	0.06
TOTAL		0.10	0.51	0.76	0.00	0.21	0.06

BD + AD + SP + UT	3	62	45	0	20	5
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Building Construction		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	2019						
	Off-Road	0.11	0.47	6.67	0.01	0.01	0.01
	Total	0.11	0.47	6.67	0.01	0.01	0.01
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.59	0.46	0.00	0.09	0.03
	Worker	0.37	0.24	2.85	0.01	0.83	0.23
	Total	0.43	1.83	3.27	0.01	0.92	0.26
TOTAL		0.53	2.30	9.94	0.02	0.94	0.27
Onsite	2020						
	Off-Road	0.11	0.47	6.67	0.01	0.01	0.01
	Total	0.11	0.47	6.67	0.01	0.01	0.01
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.05	1.46	0.42	0.00	0.09	0.03
	Worker	0.35	0.21	2.62	0.01	0.83	0.23
	Total	0.39	1.67	3.00	0.01	0.92	0.26
TOTAL		0.50	2.14	9.67	0.02	0.94	0.27

		2021						
Onsite	Off-Road	0.11	0.47	6.67	0.01	0.01	0.01	
	Total	0.11	0.47	6.67	0.01	0.01	0.01	
Offsite	Hauling	0.00	0.00	0.00	0.00	0.00	0.00	
	Vendor	0.04	1.31	0.39	0.00	0.09	0.03	
	Worker	0.33	0.19	2.43	0.01	0.83	0.23	
	Total	0.37	1.50	2.79	0.01	0.92	0.25	
TOTAL		0.47	1.97	9.45	0.02	0.93	0.27	

Architectural Coating

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite	Archit. Coating	0.10	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	0.10	0.00	0.00	0.00	0.00	0.00
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	0.07	0.05	0.57	0.00	0.17	0.05
	Total	0.07	0.05	0.57	0.00	0.17	0.05
TOTAL		0.18	0.05	0.57	0.00	0.17	0.05

		2020					
Onsite	Archit. Coating	0.10	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	0.10	0.00	0.00	0.00	0.00	0.00
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	0.07	0.04	0.52	0.00	0.17	0.05
	Total	0.07	0.04	0.52	0.00	0.17	0.05
TOTAL		0.17	0.04	0.52	0.00	0.17	0.05

		2021					
Onsite	Archit. Coating	0.10	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	0.10	0.00	0.00	0.00	0.00	0.00
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	0.07	0.04	0.49	0.00	0.17	0.05
	Total	0.07	0.04	0.49	0.00	0.17	0.05
TOTAL		0.17	0.04	0.49	0.00	0.17	0.05

2019 BC + 2019 AC	1	2	11	0	1	0
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2020 BC + 2020 AC	1	2	10	0	1	0
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2021 BC + 2021 AC	1	2	10	0	1	0
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Fine Grading

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2020						
	Fugitive Dust		0.00	0.00	0.00	0.00	2.57	1.42
	Off-Road		0.14	1.67	5.49	0.01	0.00	0.00
	Total		0.14	1.67	5.49	0.01	2.57	1.41
Offsite								
	Hauling		0.00	0.00	0.00	0.00	0.00	0.00
	Vendor		0.01	0.42	0.12	0.00	0.03	0.01
	Worker		0.02	0.01	0.16	0.00	0.05	0.01
	Total		0.04	0.43	0.27	0.00	0.08	0.02
TOTAL			0.18	2.10	5.77	0.01	2.65	1.44

Fine Grading Soil Haul

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2020						
	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		0.00	0.09	0.02	0.00	0.01	0.00
	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		0.00	0.09	0.02	0.00	0.01	0.00
TOTAL			0.00	0.09	0.02	0.00	0.01	0.00

Paving/Finishing/Landscaping

			ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2020						
	Off-Road		0.21	0.91	7.72	0.02	0.03	0.03
	Paving		0.07	0.00	0.00	0.00	0.00	0.00
	Total		0.28	0.91	7.72	0.02	0.03	0.03
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	0.16	0.00	0.05	0.01
	Total		0.02	0.01	0.16	0.00	0.05	0.01
TOTAL			0.30	0.93	7.89	0.02	0.08	0.04

2020 BC + 2020 AC+ FG + FGSH + P + FL	1	5	24	0	4	2
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MAX DAILY	3	62	45	0	20	5
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Regional Thresholds	75	100	550	150	150	55
Exceeds Thresholds?	No	No	No	No	No	No

Localized Construction Emissions Worksheet - Unmitigated

*CalEEMod, Version 2016.3.2

Demolition						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2019				
	Fugitive Dust				0.00	0.00
	Off-Road		4.11	20.83	0.07	0.07
	Total		4.11	20.83	0.07	0.07
Onsite		2019				
	Fugitive Dust				0.00	0.00
	Off-Road		4.11	20.83	0.07	0.07
	Total		4.11	20.83	0.07	0.07
Onsite		2019				
	Fugitive Dust		0.00	0.00	0.00	0.00
	Off-Road		4.11	20.83	0.07	0.07
	Total		4.11	20.83	0.07	0.07

OCMA - Building Demo Debris Haul						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2019				
	Fugitive Dust				10.52	1.59
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	10.52	1.59
Onsite		2019				
	Fugitive Dust				10.52	1.59
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	10.52	1.59
Onsite		2019				
	Fugitive Dust		0.00	0.00	10.52	1.59
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	10.52	1.59

Admin Office - Building Demo Debris Haul						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2019				
	Fugitive Dust				1.72	0.26
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	1.72	0.26
Onsite		2019				
	Fugitive Dust				1.72	0.26
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	1.72	0.26

Onsite		2019				
	Fugitive Dust		0.00	0.00	1.72	0.26
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	1.72	0.26

Asphalt Demolition - Demo Debris Haul

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2019				
	Fugitive Dust				1.02	0.15
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	1.02	0.15

Onsite		2019				
	Fugitive Dust				1.02	0.15
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	1.02	0.15

Onsite		2019				
	Fugitive Dust		0.00	0.00	1.02	0.15
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	1.02	0.15

Site Preparation

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2019				
	Fugitive Dust				2.57	1.42
	Off-Road		4.60	9.79	0.13	0.12
	Total		4.60	9.79	2.71	1.54

Onsite		2019				
	Fugitive Dust				2.57	1.42
	Off-Road		4.60	9.79	0.13	0.12
	Total		4.60	9.79	2.71	1.54

Onsite		2019				
	Fugitive Dust		0.00	0.00	2.57	1.42
	Off-Road		4.60	9.79	0.13	0.12
	Total		4.60	9.79	2.71	1.54

Rough Grading Soil Haul

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	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
Onsite	2019				
	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
Onsite	2019				
	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

Utility Trenching

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust	2.63	23.01	0.08	0.08
	Off-Road	2.63	23.01	0.08	0.08
	Total	0.00	0.00	0.00	0.00
Onsite	2019				
	Fugitive Dust	2.63	23.01	0.08	0.08
	Off-Road	2.63	23.01	0.08	0.08
	Total	0.00	0.00	0.00	0.00
Onsite	2019				
	Fugitive Dust	2.63	23.01	0.08	0.08
	Off-Road	2.63	23.01	0.08	0.08
	Total	0.00	0.00	0.00	0.00

BD + AD + SP + UT	9	31	16	4
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2.91-acres LST	151	1189	9	6
Exceed Threshold?	No	No	Yes	No

Building Construction

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2019				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2019				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2020				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2020				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2020				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2021				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2021				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2021				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01

Architectural Coating

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00

Onsite	2019				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2019				
	Archit. Coating	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
Onsite	2020				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2020				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2020				
	Archit. Coating	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
Onsite	2021				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2021				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2021				
	Archit. Coating	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

2019 BC + 2019 AC + 2020 BC + 2020 AC	1	13	0	0
1.00-acres LST	92	647	4	3
Exceed Threshold?	No	No	No	No
2021 BC + 2021 AC	0	7	0	0

1.00-acres LST	92	647	4	3
Exceed Threshold?	No	No	No	No

Fine Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2020				
	Fugitive Dust			2.57	1.42
	Off-Road	1.67	5.49	0.00	0.00
	Total	1.67	5.49	2.57	1.41
Onsite	2020				
	Fugitive Dust			2.57	1.42
	Off-Road	1.67	5.49	0.00	0.00
	Total	1.67	5.49	2.57	1.41
Onsite	2020				
	Fugitive Dust	0.00	0.00	2.57	1.42
	Off-Road	1.67	5.49	0.00	0.00
	Total	1.67	5.49	2.57	1.41

Fine Grading Soil Haul

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2020				
	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
Onsite	2020				
	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
Onsite	2020				
	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

Paving/Finishing/Landscaping

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2020				
	Off-Road	0.91	7.72	0.03	0.03
	Paving			0.00	0.00
	Total	0.91	7.72	0.03	0.03
Onsite	2020				
	Off-Road	0.91	7.72	0.03	0.03
	Paving			0.00	0.00
	Total	0.91	7.72	0.03	0.03

Onsite		2020				
	Off-Road	0.91	7.72	0.03	0.03	
	Paving	0.00	0.00	0.00	0.00	
	Total	0.91	7.72	0.03	0.03	
2020 BC + 2020 AC+ FG + FGSH + AP + FL		3	20	3	1	
1.00-acres LST		92	647	4	3	
Exceed Threshold?		No	No	No	No	

Localized Construction Emissions Worksheet - Mitigated

*CalEEMod, Version 2016.3.2

Demolition					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust			0.00	0.00
	Off-Road	4.11	20.83	0.07	0.07
	Total	4.11	20.83	0.07	0.07
Onsite	2019				
	Fugitive Dust			0.00	0.00
	Off-Road	4.11	20.83	0.07	0.07
	Total	4.11	20.83	0.07	0.07
Onsite	2019				
	Fugitive Dust	0.00	0.00	0.00	0.00
	Off-Road	4.11	20.83	0.07	0.07
	Total	4.11	20.83	0.07	0.07

OCMA - Building Demo Debris Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust			5.26	0.80
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	5.26	0.80
Onsite	2019				
	Fugitive Dust			5.26	0.80
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	5.26	0.80
Onsite	2019				
	Fugitive Dust	0.00	0.00	5.26	0.80
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	5.26	0.80

BD + BDDH	4	21	5	1
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2.91-acres LST	112	804	5	4
Exceed Threshold?	No	No	No	No

Admin Office - Building Demo Debris Haul					
		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust			1.72	0.26
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	1.72	0.26

Onsite	2019				
	Fugitive Dust			1.72	0.26
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	1.72	0.26

Onsite	2019				
	Fugitive Dust	0.00	0.00	1.72	0.26
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	1.72	0.26

Asphalt Demolition - Demo Debris Haul

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust			1.02	0.15
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	1.02	0.15

Onsite	2019				
	Fugitive Dust			1.02	0.15
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	1.02	0.15

Onsite	2019				
	Fugitive Dust	0.00	0.00	1.02	0.15
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	1.02	0.15

Site Preparation

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust			2.57	1.42
	Off-Road	4.60	9.79	0.13	0.12
	Total	4.60	9.79	2.71	1.54

Onsite	2019				
	Fugitive Dust			2.57	1.42
	Off-Road	4.60	9.79	0.13	0.12
	Total	4.60	9.79	2.71	1.54

Onsite	2019				
	Fugitive Dust	0.00	0.00	2.57	1.42
	Off-Road	4.60	9.79	0.13	0.12
	Total	4.60	9.79	2.71	1.54

Rough Grading Soil Haul

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	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
Onsite	2019				
	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
Onsite	2019				
	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

Utility Trenching

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Fugitive Dust	2.63	23.01	0.08	0.08
	Off-Road	2.63	23.01	0.08	0.08
	Total	0.00	0.00	0.00	0.00
Onsite	2019				
	Fugitive Dust	2.63	23.01	0.08	0.08
	Off-Road	2.63	23.01	0.08	0.08
	Total	0.00	0.00	0.00	0.00
Onsite	2019				
	Fugitive Dust	2.63	23.01	0.08	0.08
	Off-Road	2.63	23.01	0.08	0.08
	Total	0.00	0.00	0.00	0.00

BD + AD + SP + UT	9	31	6	2
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2.91-acres LST	151	1189	9.12	6
Exceed Threshold?	No	No	No	No

Building Construction

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2019				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2019				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2020				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2020				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2020				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2021				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2021				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01
Onsite	2021				
	Off-Road	0.47	6.67	0.01	0.01
	Total	0.47	6.67	0.01	0.01

Architectural Coating

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2019				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00

Onsite	2019				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2019				
	Archit. Coating	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
Onsite	2020				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2020				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2020				
	Archit. Coating	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
Onsite	2021				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2021				
	Archit. Coating			0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00
Onsite	2021				
	Archit. Coating	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

2019 BC + 2019 AC + 2020 BC + 2020 AC	1	13	0	0
1.00-acres LST	92	647	4	3
Exceed Threshold?	No	No	No	No
2021 BC + 2021 AC	0	7	0	0

1.00-acres LST	92	647	4	3
Exceed Threshold?	No	No	No	No

Fine Grading

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2020				
	Fugitive Dust			2.57	1.42
	Off-Road	1.67	5.49	0.00	0.00
	Total	1.67	5.49	2.57	1.41
Onsite	2020				
	Fugitive Dust			2.57	1.42
	Off-Road	1.67	5.49	0.00	0.00
	Total	1.67	5.49	2.57	1.41
Onsite	2020				
	Fugitive Dust	0.00	0.00	2.57	1.42
	Off-Road	1.67	5.49	0.00	0.00
	Total	1.67	5.49	2.57	1.41

Fine Grading Soil Haul

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2020				
	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
Onsite	2020				
	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
Onsite	2020				
	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

Paving/Finishing/Landscaping

		NOx	CO	PM10 Total	PM2.5 Total
Onsite	2020				
	Off-Road	0.91	7.72	0.03	0.03
	Paving			0.00	0.00
	Total	0.91	7.72	0.03	0.03
Onsite	2020				
	Off-Road	0.91	7.72	0.03	0.03
	Paving			0.00	0.00
	Total	0.91	7.72	0.03	0.03

Onsite		2020				
	Off-Road	0.91	7.72	0.03	0.03	
	Paving	0.00	0.00	0.00	0.00	
	Total	0.91	7.72	0.03	0.03	
2020 BC + 2020 AC+ FG + FGSH + P + FL		3	20	3	1	
1.00-acres LST		92	647	4	3	
Exceed Threshold?		No	No	No	No	