

## **Appendix E**

### **Data Used to Prepare Construction Emissions Inventory**

STUDY

Study Name

Atlanta

Study Description

EMISSIONS INVENTORY - SUMMARY

Total Emissions by Year  
Units for Non-Greenhouse Gases Emission: Short Ton  
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Year	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O	
2022		67.32661494	100.6897833	0.591803702	5.47770193	4.489943432	24.74085016	89149.99	5.117169362	2.114048556

Total Emissions by Source Categories  
Units for Non-Greenhouse Gases Emission: Short Ton  
Units for Greenhouse Gases Emission: Metric Ton

Year	Emission Source	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O	
2022	NonRoad		25.5654635	53.89542872	0.248019979	3.004031697	2.763709154	14.52621	45748.07589	1.631-05	
2022	OnRoad		41.76115144	46.7943546	0.343783223	1.780570006	1.726234278	1.31129	43401.91458	2.114048556	
2022	Fugitive		0	0	0	0.693100228		8.90335			
2022	TOTAL		67.32661494	100.6897833	0.591803702	5.47770193	4.489943432	24.74085	89149.99047	5.117169362	2.114048556

EMISSIONS INVENTORY - DETAILS

Non-Road Sources  
Units for Non-Greenhouse Gases Emission: Short Ton  
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario IDYear	Project	Construction Activity	Equipment	Fuel	HP Average	Load Factor	Hours of Activity	CO	NOx	SO2
1	2022 Building - 10000 sqft - 1 story	Concrete Foundations	Backhoe	Diesel	100	0.21	320	0.025062243	0.018687918	2.90E-05
1	2022 Building - 10000 sqft - 1 story	Concrete Foundations	Concrete Ready Mix Trucks	Diesel	600	0.59	60	0.004062215	0.010111845	6.12E-05
1	2022 Building - 10000 sqft - 1 story	Concrete Foundations	Fork Truck	Diesel	100	0.59	320	0.008697987	0.006707087	6.00E-05
1	2022 Building - 10000 sqft - 1 story	Concrete Foundations	Tool Truck	Diesel	600	0.59	80	0.005402867	0.01348246	8.16E-05
1	2022 Building - 10000 sqft - 1 story	Concrete Foundations	Tractor Trailer - Material Delivery	Diesel	600	0.59	16	0.001080573	0.002699492	1.63E-05
1	2022 Building - 10000 sqft - 1 story	Construction Mob & Layout	Survey Crew Trucks	Diesel	600	0.59	10	0.000670358	0.001685308	1.02E-05
1	2022 Building - 10000 sqft - 1 story	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel	600	0.59	4	0.000270143	0.000674123	4.08E-06
1	2022 Building - 10000 sqft - 1 story	Exterior Wall Framing	Fork Truck	Diesel	100	0.59	240	0.00652349	0.005039315	4.50E-05
1	2022 Building - 10000 sqft - 1 story	Exterior Wall Framing	Man Lift	Diesel	75	0.21	240	0.014249565	0.018445866	1.70E-05
1	2022 Building - 10000 sqft - 1 story	Exterior Wall Framing	Tool Truck	Diesel	600	0.59	60	0.00405215	0.010111845	6.12E-05
1	2022 Building - 10000 sqft - 1 story	Exterior Wall Framing	Tractor Trailer - Material Delivery	Diesel	600	0.59	24	0.00162086	0.004044738	2.45E-05
1	2022 Building - 10000 sqft - 1 story	Interior Build-Out/ Finishes	Fork Truck	Diesel	100	0.59	960	0.026093962	0.020121262	0.000179942
1	2022 Building - 10000 sqft - 1 story	Interior Build-Out/ Finishes	Man Lift	Diesel	75	0.21	960	0.0569826	0.07373435	6.82E-05
1	2022 Building - 10000 sqft - 1 story	Interior Build-Out/ Finishes	Tool Truck	Diesel	600	0.59	120	0.0081043	0.02022369	0.000122338
1	2022 Building - 10000 sqft - 1 story	Interior Build-Out/ Finishes	Tractor Trailer - Material Delivery	Diesel	600	0.59	120	0.0081043	0.02022369	0.000122338
1	2022 Building - 10000 sqft - 1 story	Roofing	High Lift	Diesel	100	0.59	120	0.003261745	0.002515158	2.25E-05
1	2022 Building - 10000 sqft - 1 story	Roofing	Man Lift (Facade Construction)	Diesel	75	0.21	120	0.007124783	0.009221793	8.52E-05
1	2022 Building - 10000 sqft - 1 story	Roofing	Material Deliveries	Diesel	600	0.59	8	0.000540287	0.001348246	8.16E-06
1	2022 Building - 10000 sqft - 1 story	Roofing	Tractor Trailer - Material Delivery	Diesel	600	0.59	12	0.00081043	0.00202369	1.22E-05
1	2022 Building - 10000 sqft - 1 story	Security & Safety Systems	High Lift	Diesel	100	0.59	320	0.008697987	0.006707087	6.00E-05
1	2022 Building - 10000 sqft - 1 story	Security & Safety Systems	Tool Truck	Diesel	600	0.59	80	0.005402867	0.01348246	8.16E-05
1	2022 Building - 10000 sqft - 1 story	Structural Steel Erection	40 Ton Crane	Diesel	300	0.43	240	0.005651301	0.02587273	9.14E-05
1	2022 Building - 10000 sqft - 1 story	Structural Steel Erection	Fork Truck	Diesel	100	0.59	120	0.003261745	0.002515158	2.25E-05
1	2022 Building - 10000 sqft - 1 story	Structural Steel Erection	Tool Truck	Diesel	600	0.59	60	0.00405215	0.010111845	6.12E-05
1	2022 Building - 10000 sqft - 1 story	Structural Steel Erection	Tractor Trailer - Steel Deliveries	Diesel	600	0.59	16	0.001080573	0.002699492	1.63E-05
1	2022 Demolition - Asphalt	Asphalt Demolition	Dozer	Diesel	175	0.59	384	0.010893583	0.024288665	0.000116656
1	2022 Demolition - Asphalt	Asphalt Demolition	Excavator	Diesel	175	0.59	384	0.008937564	0.020228771	0.000115178
1	2022 Demolition - Asphalt	Asphalt Demolition	Pickup Truck	Diesel	600	0.59	768	0.05186752	0.12943638	0.000782964
1	2022 Demolition - Building	Building Demolition	Bob Cat	Diesel	75	0.21	5184	0.335254415	0.393392524	0.000398274
1	2022 Demolition - Building	Building Demolition	Dump Truck	Diesel	600	0.59	60	0.350105763	0.873663424	0.005285005
1	2022 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	175	0.59	2592	0.060328558	0.136542006	0.00077745
1	2022 Demolition - Building	Building Demolition	Generator Sets	Diesel	40	0.43	2592	0.046364631	0.187074664	0.000162705
1	2022 Demolition - Building	Building Demolition	Pickup Truck	Diesel	600	0.59	3024	0.204228362	0.505639997	0.000308292
1	2022 Demolition - Concrete	Concrete Demolition	Excavator with Bucket	Diesel	175	0.59	240	0.005585978	0.012642982	7.20E-05
1	2022 Demolition - Concrete	Concrete Demolition	Excavator with Hoe Ram	Diesel	175	0.59	240	0.005585978	0.012642982	7.20E-05
1	2022 Demolition - Concrete	Concrete Demolition	Pickup Truck	Diesel	600	0.59	480	0.0324172	0.080894761	0.000489352
1	2022 Parking Structure - 240000 sqft - G-2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	Diesel	175	0.59	79.2	0.002638675	0.005942189	2.44E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	Diesel	100	0.21	79.2	0.006203153	0.004624022	7.19E-06
1	2022 Parking Structure - 240000 sqft - G-2 stories	Asphalt Pavement-Ground Floor	Ten Wheelers - Material Delivery	Diesel	600	0.59	60	0.00405215	0.010111845	6.12E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	Diesel	300	0.43	120	0.002825651	0.01293395	4.57E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Backhoe	Diesel	100	0.21	400.8	0.031391711	0.02340355	3.64E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Caisson Drilling Rig	Diesel	175	0.43	120	0.007042659	0.02571142	3.05E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Concrete Pump	Diesel	111	0.43	90	0.002089703	0.002102777	1.86E-06
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Concrete Ready Mix Trucks	Diesel	300	0.43	300	0.002089705	0.005555286	0.000038285
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Excavator	Diesel	175	0.59	160.8	0.003742605	0.008470798	4.82E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Fork Truck	Diesel	100	0.59	400.8	0.010894229	0.008406227	7.51E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Front Loader	Diesel	100	0.21	199.2	0.015601869	0.011639016	1.81E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Tool Truck	Diesel	600	0.59	100.8	0.016080762	0.016080762	0.000102766
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Tractor Trailer - Material Delivery	Diesel	600	0.59	199.2	0.013453138	0.033571326	0.000020381
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Tractor Trailer - Stone Delivery	Diesel	600	0.59	199.2	0.013453138	0.033571326	0.000020381
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Foundations	Trencher for U/G Piping	Diesel	75	0.59	199.2	0.011789051	0.031176476	1.13E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	Diesel	300	0.43	480	0.011302603	0.05124546	0.000038285
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	Diesel	11	0.43	360	0.008358811	0.008409109	7.45E-06
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	Diesel	600	0.59	360	0.0243129	0.060670171	0.000367014
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Post-Tensioned Frame	Tractor Trailer - Steel Deliveries	Diesel	600	0.59	240	0.0162086	0.040447381	0.000244676
1	2022 Parking Structure - 240000 sqft - G-2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	Diesel	600	0.59	240	0.074574676	0.174406568	0.000279355
1	2022 Parking Structure - 240000 sqft - G-2 stories	Construction Mob & Layout	Survey Crew Trucks	Diesel	600	0.59	9.6	0.000648344	0.001617895	9.79E-06
1	2022 Parking Structure - 240000 sqft - G-2 stories	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel	600	0.59	4.8	0.000324172	0.000808948	4.89E-06
1	2022 Parking Structure - 240000 sqft - G-2 stories	Lights and Power	High Lift	Diesel	100	0.59	240	0.00652349	0.005039315	4.50E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Lights and Power	High Lift	Diesel	100	0.59	240	0.00652349	0.005039315	4.50E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Lights and Power	Tool Truck	Diesel	600	0.59	120	0.0081043	0.02022369	0.000122338
1	2022 Parking Structure - 240000 sqft - G-2 stories	Lights and Power	Trencher	Diesel	75	0.59	120	0.007101838	0.01878101	1.88E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	Diesel	300	0.43	160.8	0.003788372	0.017334729	6.01E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Precast Concrete Exterior Panels	Fork Truck	Diesel	100	0.59	160.8	0.004370739	0.003370311	3.01E-05
1	2022 Parking Structure - 240000 sqft - G-2 stories	Precast Concrete Exterior Panels	Tractor Trailer - Material Delivery	Diesel	600	0.59	240	0.0162086	0.040447381	0.000244676
1	2022 Parking Structure - 240000 sqft - G-2 stories	Security & Safety Systems	High Lift	Diesel	100	0.59	160.8	0.004370739	0.003370311	3.01E-05

Scenario IDYear	Project	Equipment	Equipment Category	On-road Activity	Fuel	Roadway T/Round Trip Distance (miles)	Distance for fugitive PM	Number of Vehicles	Number of Employees Or \$M*11 (Whichever larger)
1	2022 Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	Tool Truck	Diesel	600	0.59	40.8	0.002755462	0.006876055
1	2022 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	Diesel	100	0.21	79.2	0.006203153	0.004624022
1	2022 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Tractor Trailer with Boom Hoist- Curbs Del & Place	Diesel	600	0.59	40.8	0.002755462	0.006876055
1	2022 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	Diesel	600	0.59	40.8	0.002755462	0.006876055
2	2022 Demolition - Building	Building Demolition	Bob Cat	Diesel	75	0.21	71604	4.606833603	5.43734234
2	2022 Demolition - Building	Building Demolition	Dump Truck	Diesel	600	0.59	71604	4.835858847	12.027476055
2	2022 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	175	0.59	35802	0.833288209	1.886016839
2	2022 Demolition - Building	Building Demolition	Generator Sets	Diesel	40	0.43	35802	0.640411469	2.592256299
2	2022 Demolition - Building	Building Demolition	Pickup Truck	Diesel	600	0.59	41769	2.820904244	7.039361027
3	2022 Demolition - Building	Building Demolition	Bob Cat	Diesel	75	0.21	52895.54	3.403175118	4.014025844
3	2022 Demolition - Building	Building Demolition	Dump Truck	Diesel	600	0.59	52895.54	3.572344401	8.914525192
3	2022 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	175	0.59	26447.77	0.615569378	1.393244499
3	2022 Demolition - Building	Building Demolition	Generator Sets	Diesel	40	0.43	26447.77	0.473086845	1.914960013
3	2022 Demolition - Building	Building Demolition	Pickup Truck	Diesel	600	0.59	30855.73	2.083867455	5.200139415

On-Road Sources  
Units for Non-Greenhouse Gases Emission: Short Ton  
Units for Greenhouse Gases (CO2, CH4, and N2O) Emission: Metric Ton

Scenario IDYear	Project	Equipment	Equipment Category	On-road Activity	Fuel	Roadway T/Round Trip Distance (miles)	Distance for fugitive PM	Number of Vehicles	Number of Employees Or \$M*11 (Whichever larger)
1	2022 Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	1
1	2022 Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	1
1	2022 Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	55
1	2022 Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	1
1	2022 Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	--
1	2022 Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	55
1	2022 Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	39
1	2022 Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	55
1	2022 Demolition - Concrete	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	1
1	2022 Demolition - Concrete	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	11
1	2022 Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	3
1	2022 Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	2
1	2022 Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	55
1	2022 Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	1
2	2022 Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	804
2	2022 Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	110
3	2022 Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	Urban Unr	40	5	594
3	2022 Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	Urban Unr	30	--	110

Fugitive Sources  
Units for Non-Greenhouse Gases Emission: Short Ton

Scenario IDYear	Project	Fugitive Source Type	Number of Months	CO	NOx	SO2	PM10	VOC
1	2022 Building - 10000 sqft- 1 story	Concrete Mixing/Batching	12	0	0	0	0	0.00855
1	2022 Building - 10000 sqft- 1 story	Material Movement (Paved Roads)	12	0	0	0	0	0.01195
1	2022 Building - 10000 sqft- 1 story	Material Movement (Unpaved Roads)	12	0	0	0	0	0.03535
1	2022 Demolition - Asphalt	Material Movement (Paved Roads)	12	0	0	0	0	0.02995
1	2022 Demolition - Asphalt	Material Movement (Unpaved Roads)	12	0	0	0	0	0.0949
1	2022 Demolition - Asphalt	Soil Handling	12	0	0	0	0	0.1087
1	2022 Demolition - Asphalt	Unstabilized Land and Wind Erosion	12	0	0	0	0	1.556-07
1	2022 Demolition - Concrete	Material Movement (Paved Roads)	12	0	0	0	0	0.006
1	2022 Demolition - Concrete	Material Movement (Unpaved Roads)	12	0	0	0	0	0.02175
1	2022 Demolition - Concrete	Soil Handling	12	0	0	0	0	0.05955
1	2022 Demolition - Concrete	Unstabilized Land and Wind Erosion	12	0	0	0	0	7.266-08
1	2022 Parking Structure - 240000 sqft- G+2 stories	Asphalt Drying	12	0	0	0	0	8.90335
1	2022 Parking Structure - 240000 sqft- G+2 stories	Concrete Mixing/Batching	12	0	0	0	0	0.20535
1	2022 Parking Structure - 240000 sqft- G+2 stories	Material Movement (Paved Roads)	12	0	0	0	0	0.02995
1	2022 Parking Structure - 240000 sqft- G+2 stories	Material Movement (Unpaved Roads)	12	0	0	0	0	0.0897

INPUT DATA AND SPECIFICATIONS

State/County	Scenario IDYear	Number of Months	Season	Average Daily Temp (degF)	Max Daily Temp Change (degF)	Min Daily Temp Change (degF)
Georgia Clayton County	1	2022	12 Summer	30 <= T <= 50	10 <= Change in T < 20	20 <= Change in T
	2	2022	12 Summer	30 <= T <= 50	10 <= Change in T < 20	20 <= Change in T
	3	2022	12 Summer	30 <= T <= 50	10 <= Change in T < 20	20 <= Change in T
	4					

Project Final Selections

Scenario IDProject	Construction Activity	Equipment	Fuel Type
1 Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	Diesel
1 Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	Diesel
1 Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	Diesel
1 Building - 10000 sqft- 1 story	Concrete Foundations	Tool Truck	Diesel
1 Building - 10000 sqft- 1 story	Concrete Foundations	Tractor Trailer- Material Delivery	Diesel
1 Building - 10000 sqft- 1 story	Construction Mob & Layout	Survey Crew Trucks	Diesel
1 Building - 10000 sqft- 1 story	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	Diesel
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	Diesel
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Tool Truck	Diesel
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Tractor Trailer- Material Delivery	Diesel
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	Diesel
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	Diesel
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Tool Truck	Diesel
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Tractor Trailer- Material Delivery	Diesel
1 Building - 10000 sqft- 1 story	Roofing	High Lift	Diesel
1 Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	Diesel
1 Building - 10000 sqft- 1 story	Roofing	Material Deliveries	Diesel
1 Building - 10000 sqft- 1 story	Roofing	Tractor Trailer- Material Delivery	Diesel
1 Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	Diesel
1 Building - 10000 sqft- 1 story	Security & Safety Systems	Tool Truck	Diesel
1 Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	Diesel
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	Diesel
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Tool Truck	Diesel
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Tractor Trailer- Steel Deliveries	Diesel
1 Demolition - Asphalt	Asphalt Demolition	Deer	Diesel
1 Demolition - Asphalt	Asphalt Demolition	Excavator	Diesel
1 Demolition - Asphalt	Asphalt Demolition	Pickup Truck	Diesel
1 Demolition - Building	Building Demolition	Bob Cat	Diesel
1 Demolition - Building	Building Demolition	Dump Truck	Diesel
1 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel
1 Demolition - Building	Building Demolition	Generator Sets	Diesel
1 Demolition - Building	Building Demolition	Pickup Truck	Diesel

1 Demolition - Concrete	Concrete Demolition	Excavator with Bucket	Diesel
1 Demolition - Concrete	Concrete Demolition	Excavator with Hoe Ram	Diesel
1 Demolition - Concrete	Concrete Demolition	Pickup Truck	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Ten Wheelers- Material Delivery	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Tool Truck	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Tractor Trailer- Material Delivery	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Tractor Trailer- Stone Delivery	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Tractor Trailer- Steel Deliveries	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Construction Mob & Layout	Survey Crew Trucks	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Lighting	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Tool Truck	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Tractor Trailer- Material Delivery	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	Tool Truck	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Tractor Trailer with Boom Hoist- Curbs Del & Place	Diesel
1 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Dbl/Spread	Diesel
2 Demolition - Building	Building Demolition	Bob Cat	Diesel
2 Demolition - Building	Building Demolition	Dump Truck	Diesel
2 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel
2 Demolition - Building	Building Demolition	Generator Sets	Diesel
2 Demolition - Building	Building Demolition	Pickup Truck	Diesel
3 Demolition - Building	Building Demolition	Bob Cat	Diesel
3 Demolition - Building	Building Demolition	Dump Truck	Diesel
3 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel
3 Demolition - Building	Building Demolition	Generator Sets	Diesel
3 Demolition - Building	Building Demolition	Pickup Truck	Diesel

Overall Size

Scenario ID/Project	Project Size Questions	User Input	Unit
1 Demolition - Asphalt	What is the estimated cost of the project?		5 \$ Million(s)
1 Demolition - Asphalt	What is the maximum length of demolition area (L) in feet?		1000 Feet
1 Demolition - Asphalt	What is the maximum width of demolition area (W) in feet?		384 Feet
1 Demolition - Building	How many square feet of building will be demolished?		216000 Square Feet
1 Demolition - Building	What is the estimated cost of the project?		5 \$ Million(s)
1 Demolition - Building	What is the height of building (H) in feet?		30 Feet
1 Demolition - Building	What is the open space height (H) in feet?		10 Feet
1 Demolition - Concrete	What is the estimated cost of the project?		1 \$ Million(s)
1 Demolition - Concrete	What is the maximum length of demolition area (L) in feet?		1800 Feet
1 Demolition - Concrete	What is the maximum width of demolition area (W) in feet?		100 Feet
1 Parking Structure - 240000 sqft- G+2 stories	What is the estimated cost of the project?		5 \$ Million(s)
2 Demolition - Building	How many square feet of building will be demolished?		2983500 Square Feet
2 Demolition - Building	What is the estimated cost of the project?		10 \$ Million(s)
2 Demolition - Building	What is the height of building (H) in feet?		40 Feet
2 Demolition - Building	What is the open space height (H) in feet?		10 Feet
3 Demolition - Building	How many square feet of building will be demolished?		2203981 Square Feet
3 Demolition - Building	What is the estimated cost of the project?		10 \$ Million(s)
3 Demolition - Building	What is the height of building (H) in feet?		40 Feet
3 Demolition - Building	What is the open space height (H) in feet?		10 Feet

Size Detail (Estimated based on engineering experience)

Scenario ID/Project	Construction Activity	Default Activity Size	Unit	User Activity Size
1 Demolition - Asphalt	Asphalt Demolition		384000 Square Feet	
1 Demolition - Building	Building Demolition		216000 Square Feet	
1 Demolition - Concrete	Concrete Demolition		180000 Square Feet	
2 Demolition - Building	Building Demolition		2983500 Square Feet	
3 Demolition - Building	Building Demolition		2203981 Square Feet	

Activity: Non-Road (Estimated based on engineering experience)

Scenario ID/Project	Construction Activity	Equipment	Fuel Type	Activity Size	Activity Rate	Default Ac/Activity Unit	User Activity Data
1 Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	Diesel	10000.00 SF	0.032 Hours per 1.00 SF	320 hours	
1 Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	Diesel	10000.00 SF	0.006 Hours per 1.00 SF	60 hours	
1 Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	Diesel	10000.00 SF	0.0324 Hours per 1.00 SF	320 hours	
1 Building - 10000 sqft- 1 story	Concrete Foundations	Tool Truck	Diesel	10000.00 SF	0.008 Hours per 1.00 SF	80 hours	
1 Building - 10000 sqft- 1 story	Concrete Foundations	Tractor Trailer- Material Delivery	Diesel	10000.00 SF	0.0016 Hours per 1.00 SF	16 hours	
1 Building - 10000 sqft- 1 story	Construction Mob & Layout	Survey Crew Trucks	Diesel	10000.00 SF	0.001 Hours per 1.00 SF	10 hours	
1 Building - 10000 sqft- 1 story	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel	10000.00 SF	0.0004 Hours per 1.00 SF	4 hours	
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Exterior Wall Framing	Fork Truck	10000.00 SF	0.024 Hours per 1.00 SF	240 hours	
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	Diesel	10000.00 SF	0.024 Hours per 1.00 SF	240 hours	
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Tool Truck	Diesel	10000.00 SF	0.006 Hours per 1.00 SF	60 hours	
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Tractor Trailer- Material Delivery	Diesel	10000.00 SF	0.0024 Hours per 1.00 SF	24 hours	
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	Diesel	10000.00 SF	0.096 Hours per 1.00 SF	960 hours	
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	Diesel	10000.00 SF	0.096 Hours per 1.00 SF	960 hours	
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Tool Truck	Diesel	10000.00 SF	0.012 Hours per 1.00 SF	120 hours	
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Tractor Trailer- Material Delivery	Diesel	10000.00 SF	0.012 Hours per 1.00 SF	120 hours	
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	High Lift	Diesel	10000.00 SF	0.012 Hours per 1.00 SF	120 hours	
1 Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	Diesel	10000.00 SF	0.012 Hours per 1.00 SF	120 hours	
1 Building - 10000 sqft- 1 story	Roofing	Material Deliveries	Diesel	10000.00 SF	0.0008 Hours per 1.00 SF	8 hours	
1 Building - 10000 sqft- 1 story	Roofing	Tractor Trailer- Material Delivery	Diesel	10000.00 SF	0.0012 Hours per 1.00 SF	12 hours	
1 Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	Diesel	10000.00 SF	0.032 Hours per 1.00 SF	320 hours	
1 Building - 10000 sqft- 1 story	Security & Safety Systems	Tool Truck	Diesel	10000.00 SF	0.008 Hours per 1.00 SF	80 hours	
1 Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	Diesel	10000.00 SF	0.024 Hours per 1.00 SF	240 hours	
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	Diesel	10000.00 SF	0.012 Hours per 1.00 SF	120 hours	
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Tool Truck	Diesel	10000.00 SF	0.006 Hours per 1.00 SF	60 hours	
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Tractor Trailer- Steel Deliveries	Diesel	10000.00 SF	0.0016 Hours per 1.00 SF	16 hours	
1 Demolition - Asphalt	Asphalt Demolition	Dozer	Diesel	384000.00 SF	8 Hours per 8000.00 SF	384 hours	

1 Demolition - Asphalt	Asphalt Demolition	Excavator	Diesel	384000.00 SF	8 Hours per 8000.00 SF	384 hours
1 Demolition - Asphalt	Asphalt Demolition	Pickup Truck	Diesel	384000.00 SF	8 Hours per 4000.00 SF	768 hours
1 Demolition - Building	Building Demolition	Bob Cat	Diesel	216000.00 SF	0.0240 Hours per 1.00 SF	5184 hours
1 Demolition - Building	Building Demolition	Dump Truck	Diesel	216000.00 SF	0.0240 Hours per 1.00 SF	5184 hours
1 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	216000.00 SF	0.0120 Hours per 1.00 SF	2592 hours
1 Demolition - Building	Building Demolition	Generator Sets	Diesel	216000.00 SF	0.0120 Hours per 1.00 SF	2592 hours
1 Demolition - Building	Building Demolition	Pickup Truck	Diesel	216000.00 SF	0.0140 Hours per 1.00 SF	3024 hours
1 Demolition - Concrete	Concrete Demolition	Excavator with Bucket	Diesel	180000.00 SF	8 Hours per 6000.00 SF	240 hours
1 Demolition - Concrete	Concrete Demolition	Excavator with Hoe Ram	Diesel	180000.00 SF	8 Hours per 6000.00 SF	240 hours
1 Demolition - Concrete	Concrete Demolition	Pickup Truck	Diesel	180000.00 SF	8 Hours per 3000.00 SF	480 hours
1 Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	Diesel	240000.00 SF	0.00033 Hours per 1.00 SF	79.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	Diesel	240000.00 SF	0.00033 Hours per 1.00 SF	79.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Ten Wheelers- Material Delivery	Diesel	240000.00 SF	0.00025 Hours per 1.00 SF	60 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	Diesel	240000.00 SF	0.0005 Hours per 1.00 SF	120 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Foundations	Diesel	240000.00 SF	0.00167 Hours per 1.00 SF	400.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	Diesel	240000.00 SF	0.0005 Hours per 1.00 SF	120 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	Diesel	240000.00 SF	0.000375 Hours per 1.00 SF	90 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	Diesel	240000.00 SF	0.000125 Hours per 1.00 SF	300 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	Diesel	240000.00 SF	0.00067 Hours per 1.00 SF	160.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	Diesel	240000.00 SF	0.00167 Hours per 1.00 SF	400.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	Diesel	240000.00 SF	0.00083 Hours per 1.00 SF	199.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Tool Truck	Diesel	240000.00 SF	0.00083 Hours per 1.00 SF	199.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Tractor Trailer- Material Delivery	Diesel	240000.00 SF	0.00083 Hours per 1.00 SF	199.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Tractor Trailer- Stone Delivery	Diesel	240000.00 SF	0.00083 Hours per 1.00 SF	199.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/I Piping	Diesel	240000.00 SF	0.00083 Hours per 1.00 SF	199.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	Diesel	240000.00 SF	0.00125 Hours per 1.00 SF	300 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	Diesel	240000.00 SF	0.0015 Hours per 1.00 SF	360 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	Diesel	240000.00 SF	0.0015 Hours per 1.00 SF	360 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Tractor Trailer- Steel Deliveries	Diesel	240000.00 SF	0.001 Hours per 1.00 SF	240 hours
1 Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	Diesel	240000.00 SF	0.001 Hours per 1.00 SF	240 hours
1 Parking Structure - 240000 sqft- G+2 stories	Construction Mob & Layout	Survey Crew Trucks	Diesel	240000.00 SF	0.00004 Hours per 1.00 SF	9.6 hours
1 Parking Structure - 240000 sqft- G+2 stories	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel	240000.00 SF	0.00002 Hours per 1.00 SF	4.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Lights and Power	Diesel	240000.00 SF	0.001 Hours per 1.00 SF	240 hours
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	Diesel	240000.00 SF	0.001 Hours per 1.00 SF	240 hours
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Tool Truck	Diesel	240000.00 SF	0.0005 Hours per 1.00 SF	120 hours
1 Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	Diesel	240000.00 SF	0.0005 Hours per 1.00 SF	120 hours
1 Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	Diesel	240000.00 SF	0.00067 Hours per 1.00 SF	160.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	Diesel	240000.00 SF	0.00067 Hours per 1.00 SF	160.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Tractor Trailer- Material Delivery	Diesel	240000.00 SF	0.001 Hours per 1.00 SF	240 hours
1 Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	Diesel	240000.00 SF	0.00067 Hours per 1.00 SF	160.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	Security & Safety Systems	Diesel	240000.00 SF	0.00017 Hours per 1.00 SF	40.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	Diesel	240000.00 SF	0.00033 Hours per 1.00 SF	79.2 hours
1 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Tractor Trailer with Boom Hoist- Curbs Del & Place	Diesel	240000.00 SF	0.00017 Hours per 1.00 SF	40.8 hours
1 Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del/Spread	Diesel	240000.00 SF	0.00017 Hours per 1.00 SF	40.8 hours
2 Demolition - Building	Building Demolition	Bob Cat	Diesel	2983500.00 SF	0.0240 Hours per 1.00 SF	71604 hours
2 Demolition - Building	Building Demolition	Dump Truck	Diesel	2983500.00 SF	0.0240 Hours per 1.00 SF	71604 hours
2 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	2983500.00 SF	0.0120 Hours per 1.00 SF	35802 hours
2 Demolition - Building	Building Demolition	Generator Sets	Diesel	2983500.00 SF	0.0120 Hours per 1.00 SF	35802 hours
2 Demolition - Building	Building Demolition	Pickup Truck	Diesel	2983500.00 SF	0.0140 Hours per 1.00 SF	41760 hours
3 Demolition - Building	Building Demolition	Bob Cat	Diesel	2203981.00 SF	0.0240 Hours per 1.00 SF	52895.54 hours
3 Demolition - Building	Building Demolition	Dump Truck	Diesel	2203981.00 SF	0.0240 Hours per 1.00 SF	52895.54 hours
3 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	2203981.00 SF	0.0120 Hours per 1.00 SF	26447.77 hours
3 Demolition - Building	Building Demolition	Generator Sets	Diesel	2203981.00 SF	0.0120 Hours per 1.00 SF	26447.77 hours
3 Demolition - Building	Building Demolition	Pickup Truck	Diesel	2203981.00 SF	0.0140 Hours per 1.00 SF	30855.73 hours

Activity: On-Road (Estimated based on engineering experience)

Scenario ID/Project	Equipment	On-road Activity	Fuel	Roadway Type	Round Trip Distance (miles)	Number of/Number of Project Days	Project Length	Project Width	Project Area
1 Building - 10000 sqft- 1 story	Cement Mixer	Material Delivery	Diesel	Urban Unrestricted Access	40	258	--	--	10000
1 Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Material Delivery	Diesel	Urban Unrestricted Access	40	--	--	--	10000
1 Building - 10000 sqft- 1 story	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	55	258	--	--
1 Building - 10000 sqft- 1 story	Tractor Trailer	Material Delivery	Diesel	Urban Unrestricted Access	40	--	1000	--	10000
1 Demolition - Asphalt	Material Delivery	Material Delivery	Diesel	Urban Unrestricted Access	40	--	--	384	--
1 Demolition - Asphalt	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	55	258	--	--
1 Demolition - Building	Dump Truck	Material Delivery	Diesel	Urban Unrestricted Access	40	--	258	--	216000
1 Demolition - Building	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	55	258	--	--
1 Demolition - Concrete	Dump Truck	Material Delivery	Diesel	Urban Unrestricted Access	40	--	1800	100	--
1 Demolition - Concrete	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	11	258	--	--
1 Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Material Delivery	Diesel	Urban Unrestricted Access	40	--	258	--	240000
1 Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Material Delivery	Diesel	Urban Unrestricted Access	40	--	258	--	240000
1 Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	55	258	--	--
1 Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Material Delivery	Diesel	Urban Unrestricted Access	40	--	258	--	240000
2 Demolition - Building	Dump Truck	Material Delivery	Diesel	Urban Unrestricted Access	40	--	258	--	2983500
2 Demolition - Building	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	110	258	--	--
3 Demolition - Building	Dump Truck	Material Delivery	Diesel	Urban Unrestricted Access	40	--	258	--	--
3 Demolition - Building	Passenger Car	Employee Commute	Gasoline	Urban Unrestricted Access	30	110	258	--	203981

Emission Factor: Non-Road (from NONROAD)

Scenario ID/Project	Construction Activity	Equipment	Fuel Type	Avg Rated HP	Load Factor	CO (g/hp-hr)	CO2 (g/hp-hr)	SO2 (g/hp-hr)	PM10 (g/hp-hr)
1 Building - 10000 sqft- 1 story	Baschhoe	Excavator	Diesel	100	0.21	3.38463	694.459179	0.0393793	0.44672032
1 Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	Diesel	100	0.59	0.173936	0.322274123	595.7336837	0.014258384
1 Building - 10000 sqft- 1 story	Concrete Foundations	Tool Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Concrete Foundations	Tractor Trailer- Material Delivery	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Construction Mob & Layout	Survey Crew Trucks	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Construction Mob & Layout	Tractor Trailers Temp Fac.	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	Diesel	100	0.59	0.173936	0.322274123	595.7336837	0.014258384
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	Diesel	75	0.21	3.41982	4.42632125	694.0007598	0.44866102
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Tool Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Exterior Wall Framing	Tractor Trailer- Material Delivery	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	Diesel	100	0.59	0.173936	0.322274123	595.7336837	0.014258384
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	Diesel	75	0.21	3.41982	4.42632125	694.0007598	0.44866102
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Tool Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Tractor Trailer- Material Delivery	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Roofing	High Lift	Diesel	100	0.59	0.173936	0.322274123	595.7336837	0.014258384
1 Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	Diesel	75	0.21	3.41982	4.42632125	694.0007598	0.44866102
1 Building - 10000 sqft- 1 story	Roofing	Tool Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Roofing	Tractor Trailer- Material Delivery	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	Diesel	100	0.59	0.173936	0.322274123	595.7336837	0.014258384
1 Building - 10000 sqft- 1 story	Security & Safety Systems	Tool Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	Diesel	300	0.43	0.165593	0.758114444	530.55903	0.028889768
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	Diesel	100	0.59	0.173936	0.322274123	595.7336837	0.014258384
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Tool Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Building - 10000 sqft- 1 story	Structural Steel Erection	Tractor Trailer- Steel Deliveries	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Demolition - Asphalt	Asphalt Demolition	Dozer	Diesel	175	0.59	0.249254	0.555745339	536.3895105	0.002669186
1 Demolition - Asphalt	Asphalt Demolition	Excavator	Diesel	175	0.59	0.204499	0.462851509	536.3988301	0.002666673
1 Demolition - Asphalt	Asphalt Demolition	Pickup Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Demolition - Building	Building Demolition	Bob Cat	Diesel	75	0.21	3.705767	4.370931678	693.8795274	0.004029184
1 Demolition - Building	Building Demolition	Dump Truck	Diesel	600	0.59	0.173071	0.431886239	536.4059407	0.002612586
1 Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	175	0.59	0.204499	0.462851509	536.3988301	0.002666673



1 Demolition - Concrete	Material Movement (Unpaved Roads)	Wt. = Mean vehicle weight	32 tons
1 Demolition - Concrete	Material Movement (Unpaved Roads)	VMT = Vehicle miles traveled	1590 miles
1 Demolition - Concrete	Material Movement (Unpaved Roads)	$PM10 = 1.5 \times [(Wt./3)^{0.9}] \times [(Wt./3)^{0.45}] \times VMT$	43.5 lbs
1 Demolition - Concrete	Material Movement (Paved Roads)	sl = Road surface silt loading	0.1 g/m <sup>3</sup>
1 Demolition - Concrete	Material Movement (Paved Roads)	Wt. = Mean vehicle weight	32 tons
1 Demolition - Concrete	Material Movement (Paved Roads)	VMT = Vehicle miles traveled	1230 miles
1 Demolition - Concrete	Material Movement (Paved Roads)	$PM10 = 0.0022 \times (sl^{1.0} \times 0.91) \times (Wt^{*1.02}) \times VMT$	12 lbs
1 Parking Structure - 240000 sqft- G-2 stories	Asphalt Drying	A = Area of land affected = L x W x 0.0929	22296 m <sup>2</sup>
1 Parking Structure - 240000 sqft- G-2 stories	Asphalt Drying	AR = Application rate of liquefied asphalt over area	1.811 l/m <sup>2</sup>
1 Parking Structure - 240000 sqft- G-2 stories	Asphalt Drying	VD = Volume fraction of diluent in liquefied asphalt	0.35 fraction
1 Parking Structure - 240000 sqft- G-2 stories	Asphalt Drying	EF = Mass fraction of diluent which evaporates and becomes VOC	0.7 fraction
1 Parking Structure - 240000 sqft- G-2 stories	Asphalt Drying	D = Density of solvent utilized	1.8 lbs/l
1 Parking Structure - 240000 sqft- G-2 stories	Asphalt Drying	VOC = A x AR x VD x EF x D	17806.7 lbs
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Paved Roads)	sl = Road surface silt loading	0.1 g/m <sup>3</sup>
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Paved Roads)	Wt. = Mean vehicle weight	32 tons
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Paved Roads)	VMT = Vehicle miles traveled	6450 miles
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Paved Roads)	$PM10 = 0.0022 \times (sl^{1.0} \times 0.91) \times (Wt^{*1.02}) \times VMT$	59.9 lbs
1 Parking Structure - 240000 sqft- G-2 stories	Concrete Mixing/Batching	V = Volume of asphalt = 0.111 x L x W x 1.25 / 3	11100 yd <sup>3</sup>
1 Parking Structure - 240000 sqft- G-2 stories	Concrete Mixing/Batching	$PM10 = 0.037 \times V$	410.7 lbs
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Unpaved Roads)	s = Surface material silt content	0.043 fraction
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Unpaved Roads)	Wt. = Mean vehicle weight	32 tons
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Unpaved Roads)	VMT = Vehicle miles traveled	6550.5 miles
1 Parking Structure - 240000 sqft- G-2 stories	Material Movement (Unpaved Roads)	$PM10 = 1.5 \times [(s/12)^{0.9}] \times [(Wt./3)^{0.45}] \times VMT$	179.4 lbs

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ASSUMPTIONS

Emission factors were developed from the following models:

On-Road Vehicles: MOVES 2010b, revised January 2013

Non-Road Equipment: NONROAD2008a, July 2009

In addition to the overall project size dimensions (e.g., length and width) provided by the user, an additional 10 ft length and 10 ft width is added to account for disturbance areas

The number of employees is based on the higher of two methods: (1) number of equipment, and (2) multiply the project cost in million by 11

The average employee travels 30 miles round-trip from home to construction site each day.

The average on-road material delivery round-trip distance per truck is 40 miles per day.

For calculating fugitive, re-entrained PM emissions from on-road and non-road material delivery and handling equipment, a nominal VMT of 5 miles is used for each vehicle per day

In deriving emission factors from NONROAD, the horsepower for each equipment represents the most popular in each equipment category.

The total length of each modeled scenario is used to define the number of days associated with vehicle/equipment evaporative emissions.

The choice of location and season are assumed to adequately represent differences in fuel characteristics affecting emissions.

Only two seasons (Summer and Winter) are used to represent all seasons.

14 U.S. Counties are used to represent all other counties in the U.S. (all other counties are mapped to the 14)

The default methods assume that all construction equipment use diesel as well as heavy-duty on-road vehicles, while passenger vehicles (including motorcycles) use gasoline

Fugitive emissions are only modeled for:

- Asphalt drying
- Asphalt storage and batching
- Concrete mixing/batching
- Soil handling
- Unstabilized land and wind erosion
- Material movement (unpaved roads)
- Material movement (paved roads)

On-Road vehicle speeds are not explicitly modeled. The associated emission factors for each modeled vehicle from MOVES represent averages over the driving cycles, the roadway type, and daily temperature variations

The default equipment hours-of-use data are developed based on the overall size of the project provided by the user and activity rates based on expert engineering judgment.

Under the Construction Activity Type list (Activity Tab), when a choice between asphalt and concrete materials occurs, asphalt is always selected as default. To choose concrete, de-select the asphalt item and select the corresponding concrete item

Two trips per day were assumed for each on-road material handling trucks.

Only CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O are used to represent greenhouse gas emissions. Other potential greenhouse gases including air conditioning refrigerants were not included.

The following equipment are always modeled using diesel emission factors since gasoline-based emission factors are not available

- Asphalt Deliveries/Ten Wheelers
- Bulldozer
- Concrete Ready Mix Trucks
- Concrete Ready Trucks Mix for Cores
- Concrete Truck
- Crack Filler (Trailer Mounted)
- Delivery of Tanks (3)
- Distributing Tanker
- Dozer
- Dump Truck
- Dump Truck (12 cy)
- Excavator
- Excavator for U/G Services/Tanks
- Flat Bed or Dump Trucks
- Flattbed Truck
- Grader
- Grout Wheel Truck
- Hoist Equipment with 40 Ton Rig
- Hydraulic Hammer
- Hydroseeder
- Line Painting Truck and Sprayer
- Material Deliveries
- Off-Road Truck
- Pickup Truck
- Scraper
- Seed Truck Spreader
- Small Dozer
- Survey Crew Trucks
- Ten Wheelers
- Ten Wheelers- Material Delivery
- Tool Truck
- Tractor Trailer- Equipment Delivery
- Tractor Trailer- Material Delivery
- Tractor Trailer- Steel Deliveries
- Tractor Trailer- Stone Delivery
- Tractor Trailer- Topsoil & Seed
- Tractor Trailer- Truck Delivery

Tractor Trailer with Boom Hoist- Curb Del & Place  
Tractor Trailer with Boom Hoist- Delivery  
Tractor Trailers- Rebar Deliveries  
Tractor Trailers Temp Fac.  
Truck for Topsoil & Seed Del&Spread  
Water Truck  
Excavator with Bucket  
Excavator with Hoe Ram

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PM10

PM2.5

VOC

CO2

0.001309186	0.001044451	0.003911508	4.66765683
0.000384213	0.000163476	0.003310091	11.39326218
0.000296751	0.000273011	0.00290878	11.24745195
0.000512284	0.000471302	0.004403842	15.19101624
0.000102457	9.43E-05	0.000901837	3.038203248
6.40E-05	5.89E-05	0.000575711	1.98987793
2.56E-05	2.36E-05	0.000247586	0.759550812
0.000222563	0.000204758	0.002182008	8.435588961
0.001899462	0.001159685	0.002790485	2.62322872
0.000384213	0.000353476	0.003110091	11.39326218
0.000153685	0.00014139	0.001341338	4.557304873
0.000890254	0.000819033	0.008722955	33.74235585
0.000477849	0.000879621	0.011034217	10.49325149
0.000768426	0.000706952	0.006591345	22.78652436
0.000768426	0.000706952	0.006591345	22.78652436
0.000111282	0.000102379	0.00109185	4.217794481
0.000934731	0.000899593	0.001416539	1.311661456
5.12E-05	4.71E-05	0.000466336	1.519101624
7.68E-05	7.07E-05	0.000685087	2.278652436
0.000296751	0.000273011	0.00290878	11.24745195
0.000512284	0.000471302	0.004403842	15.19101624
0.00102007	0.000938465	0.005132255	16.42709519
0.000111282	0.000102379	0.00109185	4.217794481
0.000384213	0.000353476	0.003310091	11.39326218
0.000102457	9.43E-05	0.000903837	3.038203248
0.001815555	0.001670311	0.006382872	21.26677131
0.001252867	0.001152638	0.006248551	21.26712298
0.004917929	0.004524495	0.042028899	145.8337559
0.047322745	0.045157845	0.06305446	56.6538765
0.0319602	0.030540339	0.28352926	984.377825
0.008456855	0.007780307	0.042094225	143.5530801
0.008768653	0.008067161	0.013122376	26.20402015
0.019364345	0.017815198	0.165404083	574.2204139
0.000783042	0.000720399	0.00391079	13.29195186
0.000783042	0.000720399	0.00391079	13.29195186
0.001077076	0.00287869	0.020278875	91.14609745
0.000483101	0.000444453	0.00137459	4.386175967
0.000819024	0.000753502	0.001078989	1.155024507
0.000384213	0.000334476	0.003310091	11.39326218
0.000510035	0.000469212	0.002588238	8.213547596
0.004144756	0.003813175	0.004861955	5.845124018
0.001610291	0.001481467	0.002601207	4.78886224
0.000181807	0.000167262	0.000292527	0.250522225
0.001921066	0.001767881	0.016429511	56.96631091
0.000524638	0.000482667	0.002625021	8.905607746
0.000371681	0.000341946	0.003642819	14.08743357
0.000205968	0.001895171	0.002490544	2.905061638
0.00045478	0.00059384	0.005541844	19.14088046
0.001275588	0.001173541	0.010922602	37.82563044
0.001275588	0.001173541	0.010922602	37.82563044
0.001239008	0.001139888	0.01836754	5.249860883
0.00204014	0.001876929	0.010202008	32.85419038
0.000772228	0.00066905	0.001163406	1.602088901
0.002305279	0.002120857	0.019716365	68.35957309
0.001536853	0.001413905	0.013153855	45.57304873
0.001748078	0.001640612	0.016446354	45.56347842
6.15E-05	5.66E-05	0.000553836	1.822921949
3.07E-05	2.83E-05	0.000291336	0.911460975
0.000222563	0.000204758	0.002182008	8.435588961
0.000222563	0.000204758	0.002182008	8.435588961
0.000768426	0.000706952	0.006591345	22.78652436
0.00074639	0.000686979	0.001137722	3.162581918
0.000881447	0.000828771	0.003451837	11.06153718
0.000149117	0.000137188	0.001462504	5.651844604
0.001536853	0.001413905	0.013153855	45.57304873
0.000149117	0.000137188	0.001462504	5.651844604

0.000261265	0.000240364	0.000260089	7.747418283
0.000819024	0.000753502	0.001078989	1.155024507
0.000261265	0.000240364	0.000260089	7.747418283
0.000261265	0.000240364	0.000260089	7.747418283
0.653659221	0.601366483	0.869670449	782.5316574
0.458520032	0.42188428	3.915879453	13596.71989
0.116810311	0.107465486	0.581240441	1982.8209319
0.11211702	0.111427659	0.181138359	363.0480284
0.267470019	0.246072416	2.284274446	7931.4139468
0.448373268	0.444243406	0.542471659	578.0743336
0.338719411	0.311621857	2.892758014	10044.21259
0.086290493	0.079387253	0.429379625	1464.760357
0.089471959	0.082314203	0.133813452	268.1920215
0.197586312	0.181779407	1.687454099	5859.123695

Number of Project Days	Project Length	Project Width	Project Area	Building Height (Building Demolition Only)	Open Space	Number of Activity	Ra	VMT	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O	
258	--	--	1000	--	--	--	--	--	2313	0.088029	0.003585	1.54E-05	0.000141	0.000137	0.000341	3.232519	0.00038	0.000163
258	--	--	1000	--	--	--	--	--	123	0.007254	0.001925	1.38E-05	7.75E-05	7.52E-05	0.000337	1.803309	0.000203	8.68E-05
258	--	--	--	--	--	--	--	--	425700	1.355759	0.081351	0.002697	0.002428	0.002236	0.086392	164.0596	0.026361	0.001953
258	--	--	1000	--	--	0.0016	--	--	160	0.006148	0.000565	3.71E-06	3.54E-05	3.43E-05	0.003469	0.478079	3.86E-05	1.10E-05
258	1000	--	384	--	--	--	--	--	85338	0.0831	0.33062	0.000921	0.005044	0.004893	0.01988	120.4536	0.014031	0.006006
258	--	--	--	--	--	--	--	--	425700	1.355759	0.081351	0.002697	0.002428	0.002236	0.086392	164.0596	0.026361	0.001953
258	--	--	216000	--	30	10	--	--	800000	0.822658	1.237944	0.008633	0.047249	0.045833	0.016022	1128.723	0.111537	0.056311
258	--	--	--	--	--	--	--	--	425700	1.355759	0.081351	0.002697	0.002428	0.002236	0.086392	164.0596	0.026361	0.001953
258	1800	--	100	--	--	--	--	--	11111	0.014445	0.017202	0.00012	0.000659	0.000639	0.000375	15.7076	0.001827	0.000782
258	--	--	--	--	--	--	--	--	85140	0.271152	0.01627	0.000538	0.000486	0.000447	0.017278	32.81192	0.005272	0.000391
258	--	--	240000	--	--	--	--	--	55500	0.058947	0.085888	0.000599	0.003279	0.003181	0.001209	78.32511	0.009125	0.003907
258	--	--	240000	--	--	--	--	--	29600	0.033986	0.045814	0.00012	0.001751	0.001699	0.000778	41.80049	0.004867	0.002083
258	--	--	--	--	--	--	--	--	425700	1.355759	0.081351	0.002697	0.002428	0.002236	0.086392	164.0596	0.026361	0.001953
258	--	--	240000	--	--	0.00083	--	--	1992	0.00812	0.006493	3.97E-05	0.000347	0.000336	0.003476	5.159281	0.00048	0.000137
258	--	--	2983500	--	40	10	--	--	16575000	17.01876	25.64858	0.178865	0.978922	0.949588	0.33062	23385.46	2.725289	1.166688
258	--	--	--	--	--	--	--	--	851400	2.711518	0.162702	0.005393	0.004857	0.004472	0.172784	328.1192	0.052721	0.003906
258	--	--	2203981	--	40	10	--	--	12244339	12.57258	18.94721	0.131131	0.723153	0.701483	0.244259	17275.39	2.013234	0.86186
258	--	--	--	--	--	--	--	--	851400	2.711518	0.162702	0.005393	0.004857	0.004472	0.172784	328.1192	0.052721	0.003906

Building Height (Building Demolition Only)	Open Space Height (Building Demolition Only)	Number of Trees	Activity Size	Activity Rate	Default VMxser VMT
--	--	--	--	--	2313
--	--	--	--	--	425700
--	--	--	--	--	160
--	--	--	--	--	85333
--	--	--	--	--	425700
--	30	10	--	--	800000
--	--	--	--	--	425700
--	--	--	--	--	11111
--	--	--	--	--	85140
--	--	--	--	--	55500
--	--	--	--	--	29600
--	--	--	--	--	425700
--	--	--	--	--	0.00083 1992
--	40	10	--	--	16575000
--	--	--	--	--	851400
--	40	10	--	--	12244339
--	--	--	--	--	851400

PM2.5 (g/hp-hr)	VOC Exhaust (g/hp-hr)	VOC Evaporative (g/equipment-day)
0.410991868	0.508148285	0.518165662
0.015097292	0.140145425	0.101391979
0.013118127	0.139684951	0.00594934
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.013118127	0.139684951	0.00594934
0.412768139	0.659484018	0.149680731
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.013118127	0.139684951	0.00594934
0.412768139	0.659484018	0.149680731
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.013118127	0.139684951	0.00594934
0.015097292	0.140145425	0.101391979
0.027498587	0.149088524	0.155418514
0.013118127	0.139684951	0.00594934
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.038218136	0.14554791	0.07647253
0.026373339	0.142639922	0.051057821
0.015097292	0.140145425	0.101391979
0.483743168	0.699488959	0.348333678
0.015097292	0.140145425	0.101391979
0.026373339	0.142639922	0.051057821

0.164153723	0.266837426	0.031410691
0.015097292	0.140145425	0.101391979
0.026373339	0.142639922	0.051057821
0.026373339	0.142639922	0.051057821
0.015097292	0.140145425	0.101391979
0.040306404	0.140399937	0.098838805
0.410991868	0.508148285	0.518160662
0.015097292	0.140145425	0.101391979
0.027498587	0.149088524	0.155418514
0.410991868	0.508148285	0.518160662
0.148832512	0.253258836	0.282310184
0.356441562	0.618624021	0.007852688
0.015097292	0.140145425	0.101391979
0.026373339	0.142639922	0.051057821
0.013118127	0.139684951	0.00594934
0.410991868	0.508148285	0.518160662
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.117314813	0.187159765	0.064061543
0.027498587	0.149088524	0.155418514
0.356441562	0.618624021	0.007852688
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.15028917	0.177303605	0.848807488
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.013118127	0.139684951	0.00594934
0.013118127	0.139684951	0.00594934
0.015097292	0.140145425	0.101391979
0.117314813	0.187159765	0.064061543
0.027498587	0.149088524	0.155418514
0.013118127	0.139684951	0.00594934
0.015097292	0.140145425	0.101391979
0.013118127	0.139684951	0.00594934
0.015097292	0.140145425	0.101391979
0.015097292	0.140145425	0.101391979
0.483743168	0.699488959	0.348335678
0.015097292	0.140145425	0.101391979
0.026373339	0.142639922	0.051057821
0.164153723	0.266837426	0.031410691
0.015097292	0.140145425	0.101391979
0.483743168	0.699488959	0.348335678
0.015097292	0.140145425	0.101391979
0.026373339	0.142639922	0.051057821
0.164153723	0.266837426	0.031410691
0.015097292	0.140145425	0.101391979

N2O(g/mi)	VOC(g/mi)	RV CO(g/veh-day)	RV NOx(g/veh-day)	RV CO2(g/veh-day)	RV SO2(g/RV PM10)g/PM2.5(RV VOC(g/veh-day)
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0
0.068947981	0.003463619	21.01252411	0.164646826	268.3744042	0.001966 0.028836 0.027972 12.19683 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0
0.068947981	0.003463619	21.01252411	0.164646826	268.3744042	0.001966 0.028836 0.027972 12.19683 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0
0.070388427	0.003463619	22.39423549	0.063763892	262.5406557	0.001874 0.01749 0.016966 1.169168 0
0.004587368	0.001705127	23.58635111	1.757413529	269.1223262	0.004013 0.030995 0.028541 5.471959 0

Months of Construction

No.	PROJECTS	SQ FT	LEVELS	Disturbed SQ FT	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
1	Concourse D to be demolished	108,000	2 levels	288,000	3	12	12	12	3							
2	Concourse D building to be constructed	183,600	2 levels		3	12	12	12	3							
3	Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot	384,375	NA	384,375	12											
4	Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)	2,306,250	NA		12	12	12	12								
5	Phase D (2026) - Demolish South Deck (parking garage 4 levels)	2,983,500	NA	745,875					12							
6	Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)	1,710,000	NA								12	12	12			
7	Phases G (2030) - Demolish North Deck (parking garage 4 levels)	2,203,981	NA	550,000									12			
8	Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)	1,680,000	NA												12	12



Demolition - Building	Building Demolition	Excavator with Bucket	Diesel	175	0.59	26,448	2,204	hours	Excavators	NONROAD	0	0	0	0	0	0	0	0	0	0	12	0	0	0
Demolition - Building	Building Demolition	Generator Sets	Diesel	40	0.43	26,448	2,204	hours	Generator Sets	NONROAD	0	0	0	0	0	0	0	0	0	0	12	0	0	0
<b>Phases H and I (2031 - 2033) - Construct New North Deck and Surface Parking (6 Levels)</b>		<b>Parking Structure - 240,000 - G + 2 stories</b>		<b>1,680,000</b>		<b>240,000</b>																		
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	Diesel	175	0.59	79	15	hours	Pavers	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	Diesel	100	0.21	79	15	hours	Tractors/Loaders/Backhoes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	Diesel	300	0.43	120	23	hours	Cranes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	Diesel	100	0.21	401	78	hours	Tractors/Loaders/Backhoes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	Diesel	175	0.43	120	23	hours	Bore/Drill Rigs	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	Diesel	11	0.43	90	18	hours	Pumps	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	Diesel	600	0.59	300	58	hours	Off-highway Trucks	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	Diesel	175	0.59	161	31	hours	Excavators	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	Diesel	100	0.59	401	78	hours	Forklifts	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	Diesel	100	0.21	199	39	hours	Tractors/Loaders/Backhoes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	Diesel	75	0.59	199	39	hours	Trenchers	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	Diesel	300	0.43	480	83	hours	Cranes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	Diesel	11	0.43	360	70	hours	Pumps	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	Diesel	600	0.59	360	70	hours	Off-highway Trucks	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	Diesel	600	0.59	240	47	hours	Surfacing Equipment	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	Diesel	100	0.59	240	47	hours	Forklifts	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	Diesel	100	0.59	240	47	hours	Other Construction Equipment	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	Diesel	75	0.59	120	23	hours	Trenchers	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	Diesel	300	0.43	161	31	hours	Cranes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	Diesel	100	0.59	161	31	hours	Forklifts	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	Diesel	100	0.59	161	31	hours	Other Construction Equipment	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	Diesel	100	0.21	79	15	hours	Tractors/Loaders/Backhoes	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	Diesel	600	0.59	41	8	hours	Other Agricultural Equipment	NONROAD	0	0	0	0	0	0	0	0	0	0	12	12	12	12

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2022			EF (grams/hp-hr or grams/mile)					
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
Demolition - Building	Building Demolition	Generator Sets	1.201	3.203	0.002	0.205	0.199	0.293	568.436	0.015	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	3.199	4.055	0.002	0.453	0.439	0.718	693.645	0.025	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	3.199	4.055	0.002	0.453	0.439	0.718	693.645	0.025	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	3.199	4.055	0.002	0.453	0.439	0.718	693.645	0.025	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.264	0.912	0.001	0.045	0.044	0.041	539.705	0.003	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.304	1.034	0.002	0.052	0.050	0.048	550.701	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.921	3.290	0.002	0.166	0.161	0.230	539.694	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.238	3.193	0.002	0.216	0.210	0.298	568.012	0.015	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.666	2.146	0.002	0.088	0.085	0.106	577.497	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.238	3.193	0.002	0.216	0.210	0.298	568.012	0.015	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.960	2.459	0.002	0.132	0.128	0.147	555.201	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.666	2.146	0.002	0.088	0.085	0.106	577.497	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	1.087	2.472	0.002	0.203	0.197	0.201	542.440	0.005	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
Demolition - Building	Building Demolition	Generator Sets	1.201	3.203	0.002	0.205	0.199	0.293	568.436	0.015	0.000



Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.304	1.034	0.002	0.052	0.050	0.048	550.701	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.921	3.290	0.002	0.166	0.161	0.230	539.694	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.238	3.193	0.002	0.216	0.210	0.298	568.012	0.015	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.666	2.146	0.002	0.088	0.085	0.106	577.497	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.238	3.193	0.002	0.216	0.210	0.298	568.012	0.015	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.960	2.459	0.002	0.132	0.128	0.147	555.201	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.666	2.146	0.002	0.088	0.085	0.106	577.497	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	1.087	2.472	0.002	0.203	0.197	0.201	542.440	0.005	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
Demolition - Building	Building Demolition	Generator Sets	1.201	3.203	0.002	0.205	0.199	0.293	568.436	0.015	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.304	1.034	0.002	0.052	0.050	0.048	550.701	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.921	3.290	0.002	0.166	0.161	0.230	539.694	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.238	3.193	0.002	0.216	0.210	0.298	568.012	0.015	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.166	0.589	0.001	0.032	0.031	0.028	541.872	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.666	2.146	0.002	0.088	0.085	0.106	577.497	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.238	3.193	0.002	0.216	0.210	0.298	568.012	0.015	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.165	1.534	0.001	0.031	0.030	0.040	536.718	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.960	2.459	0.002	0.132	0.128	0.147	555.201	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.666	2.146	0.002	0.088	0.085	0.106	577.497	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.261	1.020	0.002	0.047	0.045	0.059	533.179	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.122	1.085	0.002	0.019	0.018	0.023	573.987	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.772	1.787	0.002	0.109	0.106	0.107	537.534	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	2.429	2.940	0.002	0.374	0.363	0.511	664.570	0.025	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	1.087	2.472	0.002	0.203	0.197	0.201	542.440	0.005	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2023	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
Demolition - Building	Building Demolition	Generator Sets	1.101	3.026	0.002	0.185	0.179	0.269	568.507	0.014	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	2.873	3.845	0.002	0.403	0.391	0.636	693.884	0.024	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	2.873	3.845	0.002	0.403	0.391	0.636	693.884	0.024	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	2.873	3.845	0.002	0.403	0.391	0.636	693.884	0.024	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.221	0.804	0.001	0.038	0.037	0.035	539.720	0.003	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.244	0.904	0.002	0.043	0.041	0.040	550.725	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.847	3.050	0.002	0.152	0.148	0.212	539.746	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.141	3.017	0.002	0.196	0.191	0.274	568.080	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.592	2.057	0.002	0.077	0.074	0.095	577.528	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.141	3.017	0.002	0.196	0.191	0.274	568.080	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.860	2.267	0.002	0.118	0.114	0.133	555.240	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.592	2.057	0.002	0.077	0.074	0.095	577.528	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.969	2.237	0.002	0.179	0.174	0.177	542.509	0.005	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
Demolition - Building	Building Demolition	Generator Sets	1.101	3.026	0.002	0.185	0.179	0.269	568.507	0.014	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.244	0.904	0.002	0.043	0.041	0.040	550.725	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.847	3.050	0.002	0.152	0.148	0.212	539.746	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.141	3.017	0.002	0.196	0.191	0.274	568.080	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.592	2.057	0.002	0.077	0.074	0.095	577.528	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.141	3.017	0.002	0.196	0.191	0.274	568.080	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.860	2.267	0.002	0.118	0.114	0.133	555.240	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.592	2.057	0.002	0.077	0.074	0.095	577.528	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.969	2.237	0.002	0.179	0.174	0.177	542.509	0.005	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
Demolition - Building	Building Demolition	Generator Sets	1.101	3.026	0.002	0.185	0.179	0.269	568.507	0.014	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.244	0.904	0.002	0.043	0.041	0.040	550.725	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.847	3.050	0.002	0.152	0.148	0.212	539.746	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.141	3.017	0.002	0.196	0.191	0.274	568.080	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.131	0.509	0.001	0.026	0.025	0.024	541.885	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.592	2.057	0.002	0.077	0.074	0.095	577.528	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.141	3.017	0.002	0.196	0.191	0.274	568.080	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.133	1.485	0.001	0.027	0.026	0.035	536.728	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.860	2.267	0.002	0.118	0.114	0.133	555.240	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.592	2.057	0.002	0.077	0.074	0.095	577.528	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.214	0.851	0.001	0.039	0.038	0.048	533.210	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.102	1.062	0.002	0.016	0.015	0.021	573.989	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.685	1.591	0.002	0.098	0.095	0.095	537.569	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	2.175	2.685	0.002	0.332	0.322	0.452	664.737	0.023	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.969	2.237	0.002	0.179	0.174	0.177	542.509	0.005	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2024	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
Demolition - Building	Building Demolition	Generator Sets	1.015	2.871	0.002	0.167	0.162	0.248	568.568	0.014	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	2.593	3.663	0.002	0.360	0.349	0.568	694.084	0.023	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	2.593	3.663	0.002	0.360	0.349	0.568	694.084	0.023	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	2.593	3.663	0.002	0.360	0.349	0.568	694.084	0.023	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.184	0.728	0.001	0.032	0.031	0.031	539.733	0.002	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.197	0.800	0.001	0.035	0.034	0.033	550.744	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.776	2.821	0.002	0.139	0.135	0.194	539.799	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.057	2.859	0.002	0.180	0.174	0.254	568.142	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.528	1.977	0.002	0.068	0.066	0.086	577.552	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.057	2.859	0.002	0.180	0.174	0.254	568.142	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.783	2.126	0.002	0.108	0.104	0.123	555.272	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.528	1.977	0.002	0.068	0.066	0.086	577.552	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.863	2.027	0.002	0.159	0.154	0.157	542.568	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
Demolition - Building	Building Demolition	Generator Sets	1.015	2.871	0.002	0.167	0.162	0.248	568.568	0.014	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2025	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.937	2.729	0.002	0.152	0.147	0.229	568.622	0.014	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	2.345	3.500	0.002	0.322	0.312	0.509	694.255	0.022	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	2.345	3.500	0.002	0.322	0.312	0.509	694.255	0.022	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	2.345	3.500	0.002	0.322	0.312	0.509	694.255	0.022	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.156	0.668	0.001	0.027	0.027	0.027	539.744	0.002	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.156	0.730	0.001	0.028	0.027	0.028	550.758	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.710	2.597	0.002	0.126	0.122	0.177	539.846	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.979	2.714	0.002	0.164	0.159	0.235	568.194	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.474	1.907	0.002	0.060	0.058	0.079	577.573	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.979	2.714	0.002	0.164	0.159	0.235	568.194	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.713	1.991	0.002	0.098	0.095	0.113	555.300	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.474	1.907	0.002	0.060	0.058	0.079	577.573	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.767	1.835	0.002	0.140	0.136	0.139	542.621	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.937	2.729	0.002	0.152	0.147	0.229	568.622	0.014	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2026	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.871	2.604	0.000	0.139	0.134	0.213	568.670	0.013	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	2.120	3.352	0.000	0.288	0.279	0.456	694.409	0.021	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	2.120	3.352	0.000	0.288	0.279	0.456	694.409	0.021	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	2.120	3.352	0.000	0.288	0.279	0.456	694.409	0.021	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.130	0.608	0.000	0.024	0.023	0.024	539.752	0.002	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.124	0.677	0.000	0.022	0.021	0.024	550.769	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.650	2.400	0.000	0.115	0.111	0.162	539.889	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.908	2.579	0.000	0.150	0.145	0.218	568.244	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.420	1.836	0.000	0.053	0.051	0.071	577.596	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.908	2.579	0.000	0.150	0.145	0.218	568.244	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.642	1.852	0.000	0.089	0.086	0.103	555.329	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.420	1.836	0.000	0.053	0.051	0.071	577.596	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.684	1.671	0.000	0.124	0.121	0.123	542.668	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.871	2.604	0.000	0.139	0.134	0.213	568.670	0.013	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.124	0.677	0.000	0.022	0.021	0.024	550.769	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.650	2.400	0.000	0.115	0.111	0.162	539.889	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.908	2.579	0.000	0.150	0.145	0.218	568.244	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.420	1.836	0.000	0.053	0.051	0.071	577.596	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.908	2.579	0.000	0.150	0.145	0.218	568.244	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.642	1.852	0.000	0.089	0.086	0.103	555.329	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.420	1.836	0.000	0.053	0.051	0.071	577.596	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.684	1.671	0.000	0.124	0.121	0.123	542.668	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.871	2.604	0.000	0.139	0.134	0.213	568.670	0.013	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.124	0.677	0.000	0.022	0.021	0.024	550.769	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.650	2.400	0.000	0.115	0.111	0.162	539.889	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.908	2.579	0.000	0.150	0.145	0.218	568.244	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.073	0.369	0.000	0.015	0.014	0.017	541.905	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.420	1.836	0.000	0.053	0.051	0.071	577.596	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.908	2.579	0.000	0.150	0.145	0.218	568.244	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.072	1.397	0.000	0.019	0.019	0.028	536.750	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.642	1.852	0.000	0.089	0.086	0.103	555.329	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.420	1.836	0.000	0.053	0.051	0.071	577.596	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.124	0.513	0.000	0.024	0.023	0.029	533.265	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.083	1.040	0.000	0.012	0.012	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.412	0.996	0.000	0.062	0.060	0.060	537.671	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.308	1.868	0.000	0.207	0.201	0.266	665.269	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.684	1.671	0.000	0.124	0.121	0.123	542.668	0.004	0.000



Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.156	0.730	0.001	0.028	0.027	0.028	550.758	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.710	2.597	0.002	0.126	0.122	0.177	539.846	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.979	2.714	0.002	0.164	0.159	0.235	568.194	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.474	1.907	0.002	0.060	0.058	0.079	577.573	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.979	2.714	0.002	0.164	0.159	0.235	568.194	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.713	1.991	0.002	0.098	0.095	0.113	555.300	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.474	1.907	0.002	0.060	0.058	0.079	577.573	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.767	1.835	0.002	0.140	0.136	0.139	542.621	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.937	2.729	0.002	0.152	0.147	0.229	568.622	0.014	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.156	0.730	0.001	0.028	0.027	0.028	550.758	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.710	2.597	0.002	0.126	0.122	0.177	539.846	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.979	2.714	0.002	0.164	0.159	0.235	568.194	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.086	0.402	0.001	0.017	0.017	0.018	541.900	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.474	1.907	0.002	0.060	0.058	0.079	577.573	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.979	2.714	0.002	0.164	0.159	0.235	568.194	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.083	1.413	0.001	0.021	0.020	0.029	536.747	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.713	1.991	0.002	0.098	0.095	0.113	555.300	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.474	1.907	0.002	0.060	0.058	0.079	577.573	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.146	0.595	0.001	0.028	0.027	0.034	533.252	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.084	1.042	0.002	0.013	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.505	1.178	0.002	0.075	0.073	0.071	537.637	0.004	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.604	2.142	0.002	0.249	0.242	0.328	665.093	0.017	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.767	1.835	0.002	0.140	0.136	0.139	542.621	0.004	0.000



Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.197	0.800	0.001	0.035	0.034	0.033	550.744	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.776	2.821	0.002	0.139	0.135	0.194	539.799	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.057	2.859	0.002	0.180	0.174	0.254	568.142	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.528	1.977	0.002	0.068	0.066	0.086	577.552	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.057	2.859	0.002	0.180	0.174	0.254	568.142	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.783	2.126	0.002	0.108	0.104	0.123	555.272	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.528	1.977	0.002	0.068	0.066	0.086	577.552	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.863	2.027	0.002	0.159	0.154	0.157	542.568	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
Demolition - Building	Building Demolition	Generator Sets	1.015	2.871	0.002	0.167	0.162	0.248	568.568	0.014	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.197	0.800	0.001	0.035	0.034	0.033	550.744	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.776	2.821	0.002	0.139	0.135	0.194	539.799	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	1.057	2.859	0.002	0.180	0.174	0.254	568.142	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.104	0.445	0.001	0.020	0.020	0.021	541.894	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.528	1.977	0.002	0.068	0.066	0.086	577.552	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	1.057	2.859	0.002	0.180	0.174	0.254	568.142	0.014	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.105	1.445	0.001	0.023	0.023	0.032	536.739	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.783	2.126	0.002	0.108	0.104	0.123	555.272	0.008	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.528	1.977	0.002	0.068	0.066	0.086	577.552	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.173	0.701	0.001	0.032	0.031	0.040	533.236	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.090	1.048	0.002	0.014	0.013	0.020	573.994	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.602	1.403	0.002	0.087	0.085	0.084	537.600	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.921	2.440	0.002	0.294	0.285	0.396	664.899	0.021	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.863	2.027	0.002	0.159	0.154	0.157	542.568	0.004	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2027	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.809	2.485	0.002	0.127	0.123	0.198	568.713	0.013	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.912	3.217	0.002	0.256	0.249	0.409	694.549	0.020	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.912	3.217	0.002	0.256	0.249	0.409	694.549	0.020	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.912	3.217	0.002	0.256	0.249	0.409	694.549	0.020	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.106	0.560	0.001	0.020	0.020	0.021	539.760	0.002	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.109	0.647	0.001	0.019	0.018	0.022	550.774	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.592	2.211	0.002	0.104	0.101	0.148	539.931	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.840	2.450	0.002	0.136	0.132	0.202	568.292	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.352	1.757	0.002	0.044	0.042	0.063	577.619	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.840	2.450	0.002	0.136	0.132	0.202	568.292	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.557	1.682	0.002	0.078	0.075	0.091	555.361	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.352	1.757	0.002	0.044	0.042	0.063	577.619	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.617	1.542	0.002	0.111	0.108	0.110	542.707	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.809	2.485	0.002	0.127	0.123	0.198	568.713	0.013	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2028	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.746	2.361	0.002	0.114	0.111	0.182	568.759	0.013	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.707	3.086	0.002	0.226	0.219	0.363	694.681	0.019	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.707	3.086	0.002	0.226	0.219	0.363	694.681	0.019	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.707	3.086	0.002	0.226	0.219	0.363	694.681	0.019	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.088	0.525	0.001	0.018	0.017	0.019	539.767	0.001	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.098	0.624	0.001	0.017	0.016	0.021	550.778	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.536	2.034	0.002	0.095	0.092	0.133	539.973	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.772	2.316	0.002	0.123	0.119	0.186	568.337	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.303	1.696	0.002	0.037	0.036	0.057	577.635	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.772	2.316	0.002	0.123	0.119	0.186	568.337	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.479	1.548	0.002	0.066	0.064	0.082	555.389	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.303	1.696	0.002	0.037	0.036	0.057	577.635	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.557	1.429	0.002	0.100	0.097	0.098	542.741	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.746	2.361	0.002	0.114	0.111	0.182	568.759	0.013	0.000

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OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2029			EF (grams/hp-hr or grams/mile)					
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.071	0.493	0.001	0.015	0.015	0.017	539.771	0.001	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Project Total</b>											

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.098	0.624	0.001	0.017	0.016	0.021	550.778	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.536	2.034	0.002	0.095	0.092	0.133	539.973	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.772	2.316	0.002	0.123	0.119	0.186	568.337	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.303	1.696	0.002	0.037	0.036	0.057	577.635	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.772	2.316	0.002	0.123	0.119	0.186	568.337	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.479	1.548	0.002	0.066	0.064	0.082	555.389	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.303	1.696	0.002	0.037	0.036	0.057	577.635	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.557	1.429	0.002	0.100	0.097	0.098	542.741	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.746	2.361	0.002	0.114	0.111	0.182	568.759	0.013	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.098	0.624	0.001	0.017	0.016	0.021	550.778	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.536	2.034	0.002	0.095	0.092	0.133	539.973	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.772	2.316	0.002	0.123	0.119	0.186	568.337	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.055	0.327	0.001	0.011	0.011	0.014	541.911	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.303	1.696	0.002	0.037	0.036	0.057	577.635	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.772	2.316	0.002	0.123	0.119	0.186	568.337	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.058	1.376	0.001	0.017	0.017	0.026	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.479	1.548	0.002	0.066	0.064	0.082	555.389	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.303	1.696	0.002	0.037	0.036	0.057	577.635	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.089	0.396	0.001	0.018	0.017	0.021	533.286	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.996	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.289	0.746	0.001	0.044	0.042	0.043	537.717	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.932	1.534	0.002	0.150	0.145	0.190	665.487	0.010	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.557	1.429	0.002	0.100	0.097	0.098	542.741	0.004	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.109	0.647	0.001	0.019	0.018	0.022	550.774	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.592	2.211	0.002	0.104	0.101	0.148	539.931	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.840	2.450	0.002	0.136	0.132	0.202	568.292	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.352	1.757	0.002	0.044	0.042	0.063	577.619	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.840	2.450	0.002	0.136	0.132	0.202	568.292	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.557	1.682	0.002	0.078	0.075	0.091	555.361	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.352	1.757	0.002	0.044	0.042	0.063	577.619	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.617	1.542	0.002	0.111	0.108	0.110	542.707	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.809	2.485	0.002	0.127	0.123	0.198	568.713	0.013	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.109	0.647	0.001	0.019	0.018	0.022	550.774	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.592	2.211	0.002	0.104	0.101	0.148	539.931	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.840	2.450	0.002	0.136	0.132	0.202	568.292	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.063	0.344	0.001	0.013	0.013	0.015	541.909	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.352	1.757	0.002	0.044	0.042	0.063	577.619	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.840	2.450	0.002	0.136	0.132	0.202	568.292	0.013	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.064	1.385	0.001	0.018	0.018	0.026	536.753	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.557	1.682	0.002	0.078	0.075	0.091	555.361	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.352	1.757	0.002	0.044	0.042	0.063	577.619	0.007	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.104	0.446	0.001	0.020	0.020	0.024	533.278	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.039	0.002	0.012	0.012	0.020	573.997	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.335	0.844	0.002	0.050	0.049	0.050	537.699	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	1.066	1.656	0.002	0.171	0.166	0.218	665.408	0.011	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.617	1.542	0.002	0.111	0.108	0.110	542.707	0.004	0.000



**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2030		EF (grams/hp-hr or grams/mile)						
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.071	0.493	0.001	0.015	0.015	0.017	539.771	0.001	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000



**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2031	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.071	0.493	0.001	0.015	0.015	0.017	539.771	0.001	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2032	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.071	0.493	0.001	0.015	0.015	0.017	539.771	0.001	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000

**ATL  
OFF-ROAD EQUIPMENT**

Construction Equipment			EMISSION FACTORS								
			2033	EF (grams/hp-hr or grams/mile)							
Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
			2	3	31	100	110	87	90	5	6
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>									
Building - 10000 sqft- 1 story	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Building - 10000 sqft- 1 story	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Exterior Wall Framing	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Building - 10000 sqft- 1 story	Interior Build-Out/ Finishes	Man Lift	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Roofing	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Roofing	Man Lift (Fascia Construction)	1.496	2.955	0.002	0.196	0.190	0.318	694.810	0.018	0.000
Building - 10000 sqft- 1 story	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	40 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Building - 10000 sqft- 1 story	Structural Steel Erection	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>									
Demolition - Asphalt	Asphalt Demolition	Dozer	0.071	0.493	0.001	0.015	0.015	0.017	539.771	0.001	0.000
Demolition - Asphalt	Asphalt Demolition	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	4.68	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000

Project	Construction Activity	ACEIT Equipment	CO	NOx	SO2	PM10	PM2.5	VOC	CO2	CH4	N2O
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>									
Demolition - Building	Building Demolition	Bob Cat	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Demolition - Building	Building Demolition	Excavator with Bucket	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Demolition - Building	Building Demolition	Generator Sets	0.676	2.223	0.002	0.102	0.099	0.165	568.807	0.012	0.000
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Asphalt Paver	0.089	0.605	0.001	0.015	0.015	0.020	550.781	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Asphalt Pavement-Ground Floor	Front Loader for Subgrade Materials	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	40 Ton Rough Terrain Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Backhoe	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Caisson Drilling Rig	0.468	1.819	0.002	0.083	0.080	0.116	540.023	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Excavator	0.051	0.319	0.001	0.011	0.010	0.014	541.913	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Foundations	Trencher for U/G Piping	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	90 Ton Crane	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Boom Pump	0.697	2.168	0.002	0.109	0.105	0.168	568.387	0.012	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Concrete Ready Mix Trucks	0.055	1.371	0.001	0.017	0.016	0.025	536.758	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Concrete Post-Tensioned Frame	Trowel Machines (4) machines	0.415	1.437	0.002	0.057	0.055	0.074	555.411	0.005	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Forklift	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Lights and Power	Trencher	0.262	1.654	0.002	0.031	0.030	0.053	577.648	0.006	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	40 Ton Rough Terrain	0.079	0.359	0.001	0.016	0.015	0.019	533.292	0.001	0.000
Parking Structure - 240000 sqft- G+2 stories	Precast Concrete Exterior Panels	Fork Truck	0.082	1.038	0.002	0.012	0.012	0.020	573.995	0.003	0.000
Parking Structure - 240000 sqft- G+2 stories	Security & Safety Systems	High Lift	0.251	0.666	0.001	0.038	0.037	0.038	537.732	0.002	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Front Loader	0.822	1.432	0.002	0.133	0.129	0.166	665.554	0.009	0.000
Parking Structure - 240000 sqft- G+2 stories	Site Prep/Landscaping	Truck for Topsoil & Seed Del&Spread	0.504	1.327	0.002	0.091	0.088	0.088	542.770	0.004	0.000

ATL  
ON-ROAD VEHICLES

gasoline 1  
diesel 2

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook  
1 ton = 907,185 grams  
21.5 days per months

Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	VMT/month	Round Trip Distance (miles)	Number of Vehicles/day	MOVES	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Concourse D to be demolished</b>																						
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	800,000			52	3	12	12	12	12	3	0	0	0	0	0	0	0
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700		30	21	3	12	12	12	12	3	0	0	0	0	0	0	0
<b>Concourse D to be constructed</b>																						
<b>Building 10,000 - 1 story</b>																						
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	2,313			52	3	12	12	12	3	0	0	0	0	0	0	0	0
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	1,233			52	3	12	12	12	3	0	0	0	0	0	0	0	0
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700		30	21	3	12	12	12	3	0	0	0	0	0	0	0	0
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	160			61	3	12	12	12	3	0	0	0	0	0	0	0	0
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot</b>																						
<b>Demolition - Asphalt</b>																						
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	85,333			52	12	0	0	0	0	0	0	0	0	0	0	0	0
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700		30	21	12	0	0	0	0	0	0	0	0	0	0	0	0
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)</b>																						
<b>Parking Structure - 240,000 - G + 2 stories</b>																						
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500			52	12	12	12	12	0	0	0	0	0	0	0	0	0
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600			52	12	12	12	12	0	0	0	0	0	0	0	0	0
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700		30	21	12	12	12	12	0	0	0	0	0	0	0	0	0
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992			61	12	12	12	12	0	0	0	0	0	0	0	0	0
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>																						
<b>Demolition - Building</b>																						
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	16,575,000			52	0	0	0	0	12	0	0	0	0	0	0	0	0
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400		30	21	0	0	0	0	12	0	0	0	0	0	0	0	0
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking (9 levels)</b>																						
<b>Parking Structure - 240,000 - G + 2 stories</b>																						
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500			52	0	0	0	0	0	12	12	12	0	0	0	0	0
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600			52	0	0	0	0	0	12	12	12	0	0	0	0	0
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700		30	21	0	0	0	0	0	12	12	12	0	0	0	0	0
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992			61	0	0	0	0	0	12	12	12	0	0	0	0	0
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>																						
<b>Demolition - Building</b>																						
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	12,244,339			52	0	0	0	0	0	0	0	0	12	0	0	0	0
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400		30	21	0	0	0	0	0	0	0	0	12	0	0	0	0
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking (9 Levels)</b>																						
<b>Parking Structure - 240,000 - G + 2 stories</b>																						
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500			52	0	0	0	0	0	0	0	0	0	0	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600			52	0	0	0	0	0	0	0	0	0	0	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700		30	21	0	0	0	0	0	0	0	0	0	0	12	12	12
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992			61	0	0	0	0	0	0	0	0	0	0	12	12	12



ATL  
ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook

Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	EMISSION FACTORS (grams/mile)															
						2022															
						CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O	
<b>Concourse D to be demolished</b>						<b>Demolition - Building</b>						<b>216,000</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	800,000	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
<b>Concourse D to be constructed</b>						<b>Building 10,000 - 1 story</b>						<b>367,200</b>									
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	2,313	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	1,233	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	160	2.470	4.791	0.006	0.099	0.215	0.032	0.346	0.091	0.027	0.005	0.123	0.168	1774.043	0.025	0.003
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>						<b>Demolition - Asphalt</b>						<b>384,375</b>									
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	85,333	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage) - Parking Structure - 240,000 - G + 2 stories</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.470	4.791	0.006	0.099	0.215	0.032	0.346	0.091	0.027	0.005	0.123	0.168	1774.043	0.025	0.003
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,983,500</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	16,575,000	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.470	4.791	0.006	0.099	0.215	0.032	0.346	0.091	0.027	0.005	0.123	0.168	1774.043	0.025	0.003
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,203,981</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	12,244,339	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.433	2.276	0.004	0.059	0.165	0.020	0.243	0.054	0.021	0.003	0.078	0.136	1090.936	0.019	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.690	0.123	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.064	355.350	0.011	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.470	4.791	0.006	0.099	0.215	0.032	0.346	0.091	0.027	0.005	0.123	0.168	1774.043	0.025	0.003

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ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook

							EMISSION FACTORS (grams/mile)																
							2023																
Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months		CO	NOx	SO2	PM10 EK	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EK	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CH4	N2O			
<b>Construction Vehicles &amp; Commuter Vehicles</b>																							
<b>Concourse D to be demolished</b>							<b>216,000</b>																
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	800,000	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
<b>Concourse D to be constructed</b>							<b>367,200</b>																
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	2,313	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	1,233	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	160	2,427	4,550	0.006	0.087	0.216	0.032	0.335	0.080	0.027	0.005	0.112	0.152	1744.977	0.023	0.003		
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>							<b>384,375</b>																
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	85,333	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking G)</b>							<b>2,306,250</b>																
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2,427	4,550	0.006	0.087	0.216	0.032	0.335	0.080	0.027	0.005	0.112	0.152	1744.977	0.023	0.003		
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>							<b>2,983,500</b>																
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	16,575,000	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
<b>Phases E and F (2027- 2029) - Construct New South Deck and Su</b>							<b>1,710,000</b>																
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2,427	4,550	0.006	0.087	0.216	0.032	0.335	0.080	0.027	0.005	0.112	0.152	1744.977	0.023	0.003		
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>							<b>2,203,981</b>																
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	12,244,339	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
<b>Phases H and I (2031- 2033) - Construct New North Deck and Su</b>							<b>1,680,000</b>																
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1,388	2,128	0.004	0.049	0.165	0.020	0.235	0.045	0.021	0.003	0.069	0.116	1073.018	0.018	0.003		
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3,555	0.111	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.061	346.421	0.010	0.002		
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2,427	4,550	0.006	0.087	0.216	0.032	0.335	0.080	0.027	0.005	0.112	0.152	1744.977	0.023	0.003		

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ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook

EMISSION FACTORS (grams/mile)														
2024														
CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
3.405	0.087	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.053	337.921	0.009	0.002
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
3.405	0.087	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.053	337.921	0.009	0.002
2.380	4.357	0.006	0.078	0.216	0.032	0.326	0.071	0.027	0.005	0.103	0.139	1710.978	0.022	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
3.405	0.087	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.053	337.921	0.009	0.002
2.380	4.357	0.006	0.078	0.216	0.032	0.326	0.071	0.027	0.005	0.103	0.139	1710.978	0.022	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
3.405	0.087	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.053	337.921	0.009	0.002
2.380	4.357	0.006	0.078	0.216	0.032	0.326	0.071	0.027	0.005	0.103	0.139	1710.978	0.022	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
1.349	2.003	0.004	0.042	0.166	0.020	0.228	0.039	0.021	0.003	0.062	0.099	1053.216	0.017	0.003
3.405	0.087	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.053	337.921	0.009	0.002
2.380	4.357	0.006	0.078	0.216	0.032	0.326	0.071	0.027	0.005	0.103	0.139	1710.978	0.022	0.003

Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months
<b>Concourse D to be demolished</b>	<b>Demolition - Building</b>	<b>216,000</b>			
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 800,000
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
<b>Concourse D to be constructed</b>	<b>Building 10,000 - 1 story</b>	<b>367,200</b>			
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 2,313
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 1,233
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 160
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>	<b>Demolition - Asphalt</b>	<b>384,375</b>			
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 85,333
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage)</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>2,306,250</b>			
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 55,500
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 29,600
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 1,992
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,983,500</b>			
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 16,575,000
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 851,400
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surf</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,710,000</b>			
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 55,500
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 29,600
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 1,992
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>	<b>Demolition - Building</b>	<b>2,203,981</b>			
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 12,244,339
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 851,400
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surf</b>	<b>Parking Structure - 240,000 - G + 2 stories</b>	<b>1,680,000</b>			
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 55,500
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 29,600
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 1,992

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ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook

							EMISSION FACTORS (grams/mile)												
							2025												
CO	NOx	SO2	PM10 EX	PM10 BH	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BH	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
2.336	4.193	0.006	0.069	0.217	0.032	0.318	0.064	0.027	0.005	0.096	0.128	1680.038	0.021	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
2.336	4.193	0.006	0.069	0.217	0.032	0.318	0.064	0.027	0.005	0.096	0.128	1680.038	0.021	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
2.336	4.193	0.006	0.069	0.217	0.032	0.318	0.064	0.027	0.005	0.096	0.128	1680.038	0.021	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
1.315	1.903	0.003	0.035	0.167	0.020	0.222	0.032	0.021	0.003	0.056	0.085	1035.448	0.016	0.003					
3.228	0.074	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.050	329.507	0.008	0.002					
2.336	4.193	0.006	0.069	0.217	0.032	0.318	0.064	0.027	0.005	0.096	0.128	1680.038	0.021	0.003					

Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months
<b>Concourse D to be demolished</b>					
<b>Demolition - Building 216,000</b>					
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 800,000
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
<b>Concourse D to be constructed</b>					
<b>Building 10,000 - 1 story 367,200</b>					
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 2,313
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 1,233
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 160
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lo</b>					
<b>Demolition - Asphalt 384,375</b>					
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 85,333
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
<b>Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage)</b>					
<b>Parking Structure - 240,000 - G + 2 stories 2,306,250</b>					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 55,500
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 29,600
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 1,992
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>					
<b>Demolition - Building 2,983,500</b>					
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 16,575,000
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 851,400
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surfa</b>					
<b>Parking Structure - 240,000 - G + 2 stories 1,710,000</b>					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 55,500
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 29,600
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 1,992
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>					
<b>Demolition - Building 2,203,981</b>					
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2 12,244,339
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 851,400
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surfa</b>					
<b>Parking Structure - 240,000 - G + 2 stories 1,680,000</b>					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2 55,500
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2 29,600
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1 425,700
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2 1,992

ATL  
ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook

Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	EMISSION FACTORS (grams/mile)															
						2026															
						CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O	
<b>Concourse D to be demolished</b>						<b>Demolition - Building</b>						<b>216,000</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	800,000	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
<b>Concourse D to be constructed</b>						<b>Building 10,000 - 1 story</b>						<b>367,200</b>									
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	2,313	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	1,233	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	160	2.299	4.074	0.006	0.063	0.218	0.032	0.312	0.058	0.027	0.005	0.090	0.119	1651.711	0.021	0.003
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>						<b>Demolition - Asphalt</b>						<b>384,375</b>									
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	85,333	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 4 levels)</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.299	4.074	0.006	0.063	0.218	0.032	0.312	0.058	0.027	0.005	0.090	0.119	1651.711	0.021	0.003
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,983,500</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	16,575,000	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.299	4.074	0.006	0.063	0.218	0.032	0.312	0.058	0.027	0.005	0.090	0.119	1651.711	0.021	0.003
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,203,981</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	12,244,339	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.288	1.822	0.003	0.030	0.168	0.020	0.217	0.027	0.021	0.003	0.051	0.074	1018.930	0.016	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	3.054	0.059	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.009	0.044	321.520	0.007	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.299	4.074	0.006	0.063	0.218	0.032	0.312	0.058	0.027	0.005	0.090	0.119	1651.711	0.021	0.003

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Adjusted employee commute VMT based on AQ Handbook

Construction Vehicles & Commuter Vehicles

						EMISSION FACTORS (grams/mile)																	
						2027																	
Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O			
<b>Concourse D to be demolished</b>						<b>Demolition - Building</b>						<b>216,000</b>											
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	800,000	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
<b>Concourse D to be constructed</b>						<b>Building 10,000 - 1 story</b>						<b>367,200</b>											
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	2,313	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	1,233	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	160	2.268	3.975	0.005	0.058	0.218	0.032	0.307	0.053	0.027	0.005	0.085	0.112	1620.502	0.020	0.003		
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>						<b>Demolition - Asphalt</b>						<b>384,375</b>											
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	85,333	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage) - Parking Structure - 240,000 - G + 2 stories</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>2,306,250</b>											
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.268	3.975	0.005	0.058	0.218	0.032	0.307	0.053	0.027	0.005	0.085	0.112	1620.502	0.020	0.003		
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,983,500</b>											
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	16,575,000	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface - Parking Structure - 240,000 - G + 2 stories</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,710,000</b>											
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.268	3.975	0.005	0.058	0.218	0.032	0.307	0.053	0.027	0.005	0.085	0.112	1620.502	0.020	0.003		
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,203,981</b>											
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	12,244,339	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface - Parking Structure - 240,000 - G + 2 stories</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,680,000</b>											
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.265	1.750	0.003	0.025	0.168	0.020	0.213	0.023	0.021	0.003	0.047	0.064	1000.281	0.015	0.003		
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.892	0.053	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.042	313.901	0.007	0.002		
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.268	3.975	0.005	0.058	0.218	0.032	0.307	0.053	0.027	0.005	0.085	0.112	1620.502	0.020	0.003		

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ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
Adjusted employee commute VMT based on AQ Handbook

Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	EMISSION FACTORS (grams/mile)															
						2028															
						CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O	
<b>Concourse D to be demolished</b>						<b>Demolition - Building</b>						<b>216,000</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	800,000	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
<b>Concourse D to be constructed</b>						<b>Building 10,000 - 1 story</b>						<b>367,200</b>									
Building - 10000 sqft- 1 story	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	2,313	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	1,233	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Building - 10000 sqft- 1 story	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
Building - 10000 sqft- 1 story	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	160	2.240	3.883	0.005	0.053	0.219	0.032	0.303	0.049	0.027	0.005	0.081	0.106	1591.355	0.020	0.003
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>						<b>Demolition - Asphalt</b>						<b>384,375</b>									
Demolition - Asphalt	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	85,333	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Demolition - Asphalt	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 4 levels)</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>2,306,250</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.240	3.883	0.005	0.053	0.219	0.032	0.303	0.049	0.027	0.005	0.081	0.106	1591.355	0.020	0.003
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,983,500</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	16,575,000	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,710,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.240	3.883	0.005	0.053	0.219	0.032	0.303	0.049	0.027	0.005	0.081	0.106	1591.355	0.020	0.003
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>						<b>Demolition - Building</b>						<b>2,203,981</b>									
Demolition - Building	Dump Truck	Single Unit Short-haul Truck	Material Delivery	Diesel	2	12,244,339	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Demolition - Building	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	851,400	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface</b>						<b>Parking Structure - 240,000 - G + 2 stories</b>						<b>1,680,000</b>									
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	Single Unit Short-haul Truck	Material Delivery	Diesel	2	55,500	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	Single Unit Short-haul Truck	Material Delivery	Diesel	2	29,600	1.246	1.693	0.003	0.020	0.169	0.020	0.209	0.018	0.021	0.003	0.042	0.056	983.346	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	Passenger Car	Employee Commute	Gasoline	1	425,700	2.731	0.044	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.040	306.950	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	Combination Short-haul Truck	Material Delivery	Diesel	2	1,992	2.240	3.883	0.005	0.053	0.219	0.032	0.303	0.049	0.027	0.005	0.081	0.106	1591.355	0.020	0.003

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ON-ROAD VEHICLES

ACEIT estimated employee commute VMT correctly  
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Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	EMISSION FACTORS (grams/mile)												
						2029												
						CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2
<b>Concourse D to be demolished</b>																		
Demolition - Building																		
Demolition - Building																		
<b>Concourse D to be constructed</b>																		
Building - 10,000 - 1 story																		
Building - 10000 sqft- 1 story																		
Building - 10000 sqft- 1 story																		
Building - 10000 sqft- 1 story																		
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>																		
Demolition - Asphalt																		
Demolition - Asphalt																		
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage) - 240,000 - G + 2 stories</b>																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>																		
Demolition - Building																		
Demolition - Building																		
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>																		
Demolition - Building																		
Demolition - Building																		
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		
Parking Structure - 240000 sqft- G+2 stories																		





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ON-ROAD VEHICLES

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Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	EMISSION FACTORS (grams/mile)															
						CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O	
<b>Concourse D to be demolished</b>																					
<b>Demolition - Building</b>																					
Demolition - Building	Dump Truck	216,000	Single Unit Short-haul Truck	Material Delivery	2	800,000	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Building	Passenger Car		Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Concourse D to be constructed</b>																					
<b>Building 10,000 - 1 story</b>																					
Building - 10000 sqft- 1 story	Cement Mixer	2,313	Single Unit Short-haul Truck	Material Delivery	2	2,313	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	1,233	Single Unit Short-haul Truck	Material Delivery	2	1,233	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Building - 10000 sqft- 1 story	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Building - 10000 sqft- 1 story	Tractor Trailer	160	Combination Short-haul Truck	Material Delivery	2	160	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>																					
<b>Demolition - Asphalt</b>																					
Demolition - Asphalt	Dump Truck	85,333	Single Unit Short-haul Truck	Material Delivery	2	85,333	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Asphalt	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage) Parking Structure - 240,000 - G + 2 stories</b>																					
<b>Parking Structure - 240,000 - G + 2 stories</b>																					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	55,500	Single Unit Short-haul Truck	Material Delivery	2	55,500	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	29,600	Single Unit Short-haul Truck	Material Delivery	2	29,600	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	1,992	Combination Short-haul Truck	Material Delivery	2	1,992	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>																					
<b>Demolition - Building</b>																					
Demolition - Building	Dump Truck	16,575,000	Single Unit Short-haul Truck	Material Delivery	2	16,575,000	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Building	Passenger Car	851,400	Passenger Car	Employee Commute	1	851,400	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>																					
<b>Parking Structure - 240,000 - G + 2 stories</b>																					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	55,500	Single Unit Short-haul Truck	Material Delivery	2	55,500	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	29,600	Single Unit Short-haul Truck	Material Delivery	2	29,600	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	1,992	Combination Short-haul Truck	Material Delivery	2	1,992	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>																					
<b>Demolition - Building</b>																					
Demolition - Building	Dump Truck	12,244,339	Single Unit Short-haul Truck	Material Delivery	2	12,244,339	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Building	Passenger Car	851,400	Passenger Car	Employee Commute	1	851,400	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>																					
<b>Parking Structure - 240,000 - G + 2 stories</b>																					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	55,500	Single Unit Short-haul Truck	Material Delivery	2	55,500	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	29,600	Single Unit Short-haul Truck	Material Delivery	2	29,600	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	1,992	Combination Short-haul Truck	Material Delivery	2	1,992	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003

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ON-ROAD VEHICLES

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Construction Vehicles & Commuter Vehicles

Project	Equipment	Equipment Category	On-road Activity	Fuel	ACEIT VMT per 12 months	EMISSION FACTORS (grams/mile)															
						CO	NOx	SO2	PM10 EX	PM10 BW	PM10 TW	PM10 TOTAL	PM2.5 EX	PM2.5 BW	PM2.5 TW	PM2.5 TOTAL	VOC	CO2	CH4	N2O	
<b>Concourse D to be demolished</b>																					
<b>Demolition - Building</b>																					
Demolition - Building	Dump Truck	216,000	Single Unit Short-haul Truck	Material Delivery	2	800,000	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Building	Passenger Car		Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Concourse D to be constructed</b>																					
<b>Building 10,000 - 1 story</b>																					
Building - 10000 sqft- 1 story	Cement Mixer	2,313	Single Unit Short-haul Truck	Material Delivery	2	2,313	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Building - 10000 sqft- 1 story	Dump Truck Subbase Material	1,233	Single Unit Short-haul Truck	Material Delivery	2	1,233	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Building - 10000 sqft- 1 story	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Building - 10000 sqft- 1 story	Tractor Trailer	160	Combination Short-haul Truck	Material Delivery	2	160	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003
<b>Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco</b>																					
<b>Demolition - Asphalt</b>																					
Demolition - Asphalt	Dump Truck	85,333	Single Unit Short-haul Truck	Material Delivery	2	85,333	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Asphalt	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Phases B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage) - Parking Structure - 240,000 - G + 2 stories</b>																					
<b>Parking Structure - 240,000 - G + 2 stories</b>																					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	55,500	Single Unit Short-haul Truck	Material Delivery	2	55,500	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	29,600	Single Unit Short-haul Truck	Material Delivery	2	29,600	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	1,992	Combination Short-haul Truck	Material Delivery	2	1,992	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003
<b>Phase D (2026) - Demolish South Deck (parking garage 4 levels)</b>																					
<b>Demolition - Building</b>																					
Demolition - Building	Dump Truck	16,575,000	Single Unit Short-haul Truck	Material Delivery	2	16,575,000	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Building	Passenger Car	851,400	Passenger Car	Employee Commute	1	851,400	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Phases E and F (2027- 2029) - Construct New South Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>																					
<b>Parking Structure - 240,000 - G + 2 stories</b>																					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	55,500	Single Unit Short-haul Truck	Material Delivery	2	55,500	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	29,600	Single Unit Short-haul Truck	Material Delivery	2	29,600	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	1,992	Combination Short-haul Truck	Material Delivery	2	1,992	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003
<b>Phases G (2030) - Demolish North Deck (parking garage 4 levels)</b>																					
<b>Demolition - Building</b>																					
Demolition - Building	Dump Truck	12,244,339	Single Unit Short-haul Truck	Material Delivery	2	12,244,339	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Demolition - Building	Passenger Car	851,400	Passenger Car	Employee Commute	1	851,400	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
<b>Phases H and I (2031- 2033) - Construct New North Deck and Surface Parking Structure - 240,000 - G + 2 stories</b>																					
<b>Parking Structure - 240,000 - G + 2 stories</b>																					
Parking Structure - 240000 sqft- G+2 stories	Cement Mixer	55,500	Single Unit Short-haul Truck	Material Delivery	2	55,500	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Dump Truck Subbase Material	29,600	Single Unit Short-haul Truck	Material Delivery	2	29,600	1.229	1.635	0.003	0.016	0.169	0.020	0.206	0.015	0.021	0.003	0.039	0.049	967.515	0.015	0.003
Parking Structure - 240000 sqft- G+2 stories	Passenger Car	425,700	Passenger Car	Employee Commute	1	425,700	2.546	0.037	0.002	0.002	0.041	0.011	0.054	0.002	0.005	0.002	0.008	0.038	300.599	0.006	0.002
Parking Structure - 240000 sqft- G+2 stories	Tractor Trailer	1,992	Combination Short-haul Truck	Material Delivery	2	1,992	2.219	3.807	0.005	0.049	0.219	0.032	0.300	0.045	0.027	0.005	0.077	0.101	1565.301	0.019	0.003

ATL  
Fugitives

PHASE 1	ACEIT Projects	Disturbed Acres	Area to be Paved (Acres)	Evap Emissions (Yes/No)	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total	Acres/month
1	Concourse D to be demolished	7	0	no	3	12	12	12	3	0	0	0	0	0	0	0	42	0.16
2	Concourse D to be constructed	7	0	no	3	12	12	12	3	0	0	0	0	0	0	0	42	0.16
3	Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot	9	0	no	12	0	0	0	0	0	0	0	0	0	0	0	12	0.74
4	Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)	9	53	yes	12	12	12	12	0	0	0	0	0	0	0	0	48	0.18
5	Phase D (2026) - Demolish South Deck (parking garage 4 levels)	17	0	no	0	0	0	0	12	0	0	0	0	0	0	0	12	1.43
6	Phases E and F (2027-2029) - Construct New South Deck and Surface Parking (9 levels)	17	39	yes	0	0	0	0	0	12	12	12	0	0	0	0	36	0.48
7	Phases G (2030) - Demolish North Deck (parking garage 4 levels)	13	0	no	0	0	0	0	0	0	0	0	12	0	0	0	12	1.05
8	Phases H and I (2031-2033) - Construct New North Deck and Surface Parking (9 Levels)	13	39	yes	0	0	0	0	0	0	0	0	0	12	12	12	36	0.35

Projects	ACEIT Description	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
1	Concourse D to be demolished	0.04	0.14	0.14	0.14	0.04	-	-	-	-	-	-	-
2	Concourse D to be constructed	0.04	0.14	0.14	0.14	0.04	-	-	-	-	-	-	-
3	Phase A (2021) - Demolish Phase 1 Existing Surface of South Eco Lot	0.66	-	-	-	-	-	-	-	-	-	-	-
4	Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)	0.17	0.17	0.17	0.17	-	-	-	-	-	-	-	-
5	Phase D (2026) - Demolish South Deck (parking garage 4 levels)	-	-	-	-	1.28	-	-	-	-	-	-	-
6	Phases E and F (2027-2029) - Construct New South Deck and Surface Parking (9 levels)	-	-	-	-	-	0.43	0.43	0.43	-	-	-	-
7	Phases G (2030) - Demolish North Deck (parking garage 4 levels)	-	-	-	-	-	-	-	-	0.95	-	-	-
8	Phases H and I (2031-2033) - Construct New North Deck and Surface Parking (9 Levels)	-	-	-	-	-	-	-	-	-	0.32	0.32	0.32
<b>Projects</b>	<b>TOTAL PM10:</b>	<b>0.90</b>	<b>0.45</b>	<b>0.45</b>	<b>0.45</b>	<b>1.36</b>	<b>0.43</b>	<b>0.43</b>	<b>0.43</b>	<b>0.95</b>	<b>0.32</b>	<b>0.32</b>	<b>0.32</b>
	<b>TOTAL PM2.5:</b>	<b>0.09</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.14</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.09</b>	<b>0.03</b>	<b>0.03</b>	<b>0.03</b>
4	Phase B and C (2022-2025) - Construct Phase 1 Deck (Parking Garage 9 level)	0.70	0.70	0.70	0.70	-	-	-	-	-	-	-	-
6	Phases E and F (2027-2029) - Construct New South Deck and Surface Parking (9 levels)	-	-	-	-	-	0.69	0.69	0.69	-	-	-	-
8	Phases H and I (2031-2033) - Construct New North Deck and Surface Parking (9 Levels)	-	-	-	-	-	-	-	-	-	0.68	0.68	0.68
	<b>TOTAL VOC:</b>	<b>0.70</b>	<b>0.70</b>	<b>0.70</b>	<b>0.70</b>	<b>-</b>	<b>0.69</b>	<b>0.69</b>	<b>0.69</b>	<b>-</b>	<b>0.68</b>	<b>0.68</b>	<b>0.68</b>

**Fugitive Dust Estimates:**

335.0 Disturbance Area (acres)

1 acre = 43,560 sq. ft.

1.20 PM<sub>10</sub> emissions factor (in tons per acre per month) follows AP-42 methodology (Chapter 13.2.3 Heavy Construction Operations).

0.10 10 percent of PM<sub>10</sub> = PM<sub>2.5</sub> (for fugitive dust)

0.25 75% PM fugitive dust control efficiency assumed from mitigation measures (i.e. watering and track-out prevention)

0.25 25% of project area assumed to be disturbed in any given month

**VOCs Fugitive Dust Emissions from Asphalt Pavement**

VOC emissions factor (in tons per acre of asphalt material laid) [U.S. Environmental Protection Agency, Emission Inventory Improvement Program, Asphalt Paving, Chapter 17, Volume III, April 2001,]

0.053