

Total Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	PM2.5 Fugitive	CO2e	
Year	Tons					MT	
Construction Equipment							
2027	0.09	0.54	0.004	0.004	0.03	233	
<i>Total Construction Emissions</i>							
Tons	0.09	0.54	0.004	0.004		233	
<i>Average Daily Emissions</i>							
Pounds/Workdays						Workdays	
2027	1.46	8.79	0.06	0.06			123
Threshold - lbs/day	54.0	54.0	82.0	54.0			
<i>Total Construction Emissions</i>							
Pounds	179.30	1080.88	7.99	7.87		0.00	
Average	1.46	8.79	0.06	0.06		0.00	123.00
Threshold - lbs/day	54.0	54.0	82.0	54.0			

N-1 New Building Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	PM2.5 Fugitive	CO2e	
Year	Tons					MT	
Construction Equipment							
2027	0.08	0.30	0.002	0.002	0.005	93	
<i>Total Construction Emissions</i>							
Tons	0.08	0.30	0.002	0.002		93	
<i>Average Daily Emissions</i>							
Pounds/Workdays						Workdays	
2027	1.38	4.88	0.03	0.03			123
Threshold - lbs/day	54.0	54.0	82.0	54.0			
<i>Total Construction Emissions</i>							
Pounds	169.34	600.82	4.18	4.07		0.00	
Average	1.38	4.88	0.03	0.03		0.00	123.00
Threshold - lbs/day	54.0	54.0	82.0	54.0			

Number of Days Per Year

2027	3/8/2027	8/25/2027	171	123
			171	123 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Demolition	3/8/2027	3/21/2027	5	10
Site Preparation	3/22/2027	3/22/2027	5	1
Grading	3/23/2027	3/24/2027	5	2
Building Construction	3/25/2027	8/11/2027	5	100
Paving	8/19/2027	8/25/2027	5	5
Architectural Coating	8/12/2027	8/18/2027	5	5
Trenching	3/23/2027	3/24/2027	5	2

New Turf Construction Criteria Air Pollutants							
Unmitigated	ROG	NOX	PM10 Exhaust	PM2.5 Exhaust	PM2.5 Fugitive	CO2e	
Year	Tons					MT	
Construction Equipment							
2027	0.005	0.24	0.002	0.002	0.02	141	
<i>Total Construction Emissions</i>							
Tons	0.005	0.24	0.002	0.002		141	
<i>Average Daily Emissions</i>							
Pounds/Workdays						Workdays	
2027	1.11	53.34	0.42	0.42			9
Threshold - lbs/day	54.0	54.0	82.0	54.0			
<i>Total Construction Emissions</i>							
Pounds	9.96	480.07	3.81	3.80		0.00	
Average	1.11	53.34	0.42	0.42		0.00	9.00
Threshold - lbs/day	54.0	54.0	82.0	54.0			

Number of Days Per Year

2027	3/8/2027	3/18/2027	11	9
			11	9 Total Workdays

Phase	Start Date	End Date	Days/Week	Workdays
Site Preparation	3/8/2027	3/10/2027	5	3
Grading	3/11/2027	3/18/2027	5	6
Trenching	3/11/2027	3/18/2027	5	6

**Sequoia High School, Redwood City, CA
 - Construction Health Emissions Summary**

DPM Construction Emissions - With Tier 4 Interim

Construction Year	Activity	DPM (ton/year)	DPM (lb/yr)
<i>2027</i>	N-1 New Classroom Building	0.0021	4.2
<i>2027</i>	S-2 Baseball Field Turf	0.0019	3.8
<i>Total</i>		<i>0.0040</i>	<i>8.0</i>

PM2.5 Fugitive Dust Construction Emissions - With Tier 4 Interim

Construction Year	Activity	PM2.5 (ton/year)	PM2.5 (lb/yr)
<i>2027</i>	N-1 New Classroom Building	0.0050	9.9
<i>2027</i>	S-2 Baseball Field Turf	0.0243	48.7
<i>Total</i>		<i>0.0293</i>	<i>58.6</i>

Air Quality/Noise Construction Information Data Request

Project Name: Sequoia High School - N-1 Building					Complete ALL Portions in Yellow			
See Equipment Type TAB for type, horsepower and load factor								
Project Size Dwelling Units: <u>1 total project</u> acres disturbed 14,000 s.f. - N-1 Building _____ s.f. office 34,000 s.f. other, Quad _____ s.f. parking garage _____ spaces _____ s.f. parking lot _____ spaces Construction Days (i.e. M-F) _____ to _____ Construction Hours _____ am to _____ pm					Pile Driving? Y/N? N 1. Construction of a new two-story classroom building totaling approximately 14,000 square feet. 2. Construction of a new, approx. 34,000-sf quad between the new N-1 Building and the Multi-Use Room and existing Football Stadium entry.			
DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT								
Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
Demolition		Start Date: 3/8/2027		Total phase: 10				Overall Import/Export Volumes
		End Date: 3/21/2027						Demolition Volume
1	Concrete/Industrial Saws	33	0.73	8	10	8	1927	Square footage of buildings to be demolished
1	Excavators	36	0.38			0	0	(or total tons to be hauled)
1	Rubber-Tired Dozers	367	0.4	1	10	1	1468	
2	Tractors/Loaders/Backhoes	84	0.37	6	10	6	3730	
	Other Equipment?							
Site Preparation		Start Date: 3/22/2027		Total phase: 1				
		End Date: 3/22/2027						
1	Graders	148	0.41	8	1	8	485	
	Rubber Tired Dozers	367	0.4			0	0	
1	Tractors/Loaders/Backhoes	84	0.37	8	1	8	249	
	Other Equipment?							
Grading / Excavation		Start Date: 3/23/2027		Total phase: 2				Soil Hauling Volume
		End Date: 3/24/2027						Export volume = Est. 1,000 cubic yards?
1	Excavators	36	0.38			0	0	Import volume = Est. 1,000 cubic yards?
1	Graders	148	0.41	6	2	6	728	
1	Rubber Tired Dozers	367	0.4	6	2	6	1762	
	Concrete/Industrial Saws	33	0.73			0	0	
1	Tractors/Loaders/Backhoes	84	0.37	7	2	7	435	
	Other Equipment?							
Trenching/Foundation		Start Date: 3/23/2027		Total phase: 2				
		End Date: 3/24/2027						
1	Tractor/Loader/Backhoe	84	0.37	8	2	8	497	
1	Excavators	36	0.38	8	2	8	219	
	Other Equipment?							
Building - Exterior		Start Date: 3/25/2027		Total phase: 100				Cement Trucks? Est. 140 Total Round-Trips
		End Date: 8/11/2027						Electric? (Y/N) Otherwise assumed diesel
1	Cranes	367	0.29	4	100	4	42572	Liquid Propane (LPG)? (Y/N) Otherwise Assumed diesel
2	Forklifts	82	0.2	6	100	6	19680	Or temporary line power? (Y/N)
	Generator Sets	14	0.74			0	0	
2	Tractors/Loaders/Backhoes	84	0.37	8	100	8	49728	
	Welders	46	0.45			0	0	
	Other Equipment?							
Building - Interior/Architectural Coating		Start Date: 8/12/2027		Total phase: 5				
		End Date: 8/18/2027						
1	Air Compressors	37	0.48	6	5	6	533	
	Aerial Lift	46	0.31			0	0	
	Other Equipment?							
Paving		Start Date: 8/19/2027		Total phase: 5				
		Start Date: 8/25/2027						
4	Cement and Mortar Mixers	10	0.56	6	5	6	672	
1	Pavers	81	0.42	7	5	7	1191	
	Paving Equipment	89	0.36			0	0	
1	Rollers	36	0.38	7	5	7	479	
1	Tractors/Loaders/Backhoes	84	0.37	7	5	7	1088	
	Other Equipment?							
Additional Phases		Start Date:		Total phase:				
		Start Date:						
						#DIV/0!		0
						#DIV/0!		0
						#DIV/0!		0
						#DIV/0!		0
						#DIV/0!		0
Equipment types listed in "Equipment Types" worksheet tab.								
Equipment listed in this sheet is to provide an example of inputs								
It is assumed that water trucks would be used during grading								
Add or subtract phases and equipment, as appropriate								
Modify horsepower or load factor, as appropriate								
					Complete one sheet for each project component			

Air Quality/Noise Construction Information Data Request

Project Name: **Sequoia High School - Baseball Field Artificial Turf** **Complete ALL Portions in Yellow**

See Equipment Type TAB for type, horsepower and load factor

Project Size _____ Dwelling Units _____ 3 total project acres disturbed
 _____ 3 acres Park
 _____ s.f. Stadium Support Facilities
 _____ s.f. office/commercial
 _____ s.f. other, specify:
 _____ s.f. parking garage _____ spaces
 _____ s.f. parking lot _____ spaces
 Construction Days (i.e, M-F) _____ to _____
 Construction Hours _____ am to _____ pm

Pile Driving? Y/N? N

1. Replacement of natural grass with artificial turf at the baseball and softball fields to reduce maintenance and water use.

DO NOT MULTIPLY EQUIPMENT HOURS/DAY BY THE QUANTITY OF EQUIPMENT

Quantity	Description	HP	Load Factor	Hours/day	Total Work Days	Avg. Hours per day	HP Annual Hours	Comments
Site Preparation		Start Date:	3/8/2027	Total phase:	3			
		End Date:	3/10/2027					
1	Graders	148	0.41	8	3	8	1456	
1	Rubber Tired Dozers	367	0.4	7	3	7	3083	
1	Tractors/Loaders/Backhoes	84	0.37	8	3	8	746	
	Other Equipment?	423	0.48					
Grading / Excavation		Start Date:	3/11/2027	Total phase:	6			
		End Date:	3/18/2027					
	Excavators	36	0.38			0	0	Soil Hauling Volume
1	Graders	148	0.41	8	6	8	2913	Export volume = Est. 14,500 cubic yards?
1	Rubber Tired Dozers	367	0.4	8	6	8	7046	Import volume = Est. 14,500 cubic yards?
	Concrete/Industrial Saws	33	0.73			0	0	
2	Tractors/Loaders/Backhoes	84	0.37	7	6	7	2611	
	Other Equipment?							
Trenching/Foundation		Start Date:	3/11/2027	Total phase:	6			
		End Date:	3/18/2027					
1	Tractor/Loader/Backhoe	84	0.37	8	6	8	1492	
1	Excavators	36	0.38	8	6	8	657	
	Other Equipment?							
Additional Phases		Start Date:		Total phase:				
		Start Date:						
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	
						#DIV/0!	0	

Equipment types listed in "Equipment Types" worksheet tab.

Equipment listed in this sheet is to provide an example of inputs

It is assumed that water trucks would be used during grading

Add or subtract phases and equipment, as appropriate

Modify horsepower or load factor, as appropriate

Complete one sheet for each project component

25-085 Sequoia High School N-1 New Building Construction T4i Unmit Detailed Report

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