

Construction Traffic Noise Calculator

Construction Phase	Start Date	End Date	Offroad Equipment	One Way Trip Per Day			Days per Phase	Total Trips Per Day	Total Equivalent Trips Per Day	Overlap?	Overlap Trips
				Worker	Vendor	Haul					
Demolition	11/3/2025	11/28/2025	6	15.00	0.00	6.90	20	22	326		
Site Preparation	12/1/2025	12/5/2025	7	17.50	0.00	0.00	5	18	18		
Grading	12/6/2025	12/17/2025	6	15.00	0.00	3.50	8	19	173		
Building Construction	12/18/2025	12/30/2026	8	3.24	0.96	0.00	270	4	32	x	32
Paving	12/31/2026	1/25/2027	8	20.00	0.00	0.00	18	20	20		
Architectural Coating	9/1/2026	1/25/2027	1	0.65	0.00	0.00	105	1	1	x	1
Maximum								22	326		

Speed (mph)	MT Factor	HT Factor
25	16	83.3
30	15	65
35	14	53.3
40	13.2	45
45	12.6	38
50	12	33
55	11.5	29
60	11.1	26
65	10.8	23

Roadway	Speed	Existing Volume	MT Factor	HT Factor	Total Equivalent Vehicles	Noise Increase (dBA)
Wheeler Avenue	40	9,778	13.2	45	326	0.14

Construction Phase	Start Date	End Date	Offroad Equipment	One Way Trip Per Day			Days per Phase	Total Trips Per Day	Total Equivalent Trips Per Day	Overlap?	Overlap Trips
				Worker	Vendor	Haul					
Demolition	11/3/2025	11/28/2025	6	15.00	0.00	6.90	20	22	383		
Site Preparation	12/1/2025	12/5/2025	7	17.50	0.00	0.00	5	18	18		
Grading	12/6/2025	12/17/2025	6	15.00	0.00	3.50	8	19	202		
Building Construction	12/18/2025	12/30/2026	8	3.24	0.96	0.00	270	4	37	x	37
Paving	12/31/2026	1/25/2027	8	20.00	0.00	0.00	18	20	20		
Architectural Coating	9/1/2026	1/25/2027	1	0.65	0.00	0.00	105	1	1	x	1
Maximum								22	383		

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25	16	83.3
30	15	65
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45	12.6	38
50	12	33
55	11.5	29
60	11.1	26
65	10.8	23

Roadway	Speed	Existing Volume	MT Factor	HT Factor	Total Equivalent Vehicles	Noise Increase (dBA)
Bonita Avenue	35	11,063	14	53.3	383	0.15
Bonita Avenue	35	12,081	14	53.3	383	0.14