

**FHWA RD-77-108
Traffic Noise Prediction Model**

Data Input Sheet

Project Name : Monte Vista Soccer Complex
Project Number : 9781
Modeled Condition : Existing

Surface Refelction: CNEL
Assessment Metric: Hard
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	McCabe Road	La Brucherie Road to Sperber Road	5,332	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
2	McCabe Road	Sperber Road to Clark Road	4,564	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
3	McCabe Road	Clark Road to SR-86	6,042	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
4	Clark Road	Wake Avenue to McCabe Road	6,178	35	50	95.00	3.00	2.00	80.00	10.00	10.00	

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Predicted Noise Levels

Project Name : Monte Vista Soccer Complex
Project Number : 9781
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Assessment Metric: Hard

Segment	Roadway	Segment	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	McCabe Road	La Brucherie Road to Sperber Road	61.2	55.8	59.3	64.0	4	13	40	126	397	1,256
2	McCabe Road	Sperber Road to Clark Road	60.5	55.2	58.6	63.4	3	11	35	109	346	1,094
3	McCabe Road	Clark Road to SR-86	61.7	56.4	59.8	64.6	5	14	46	144	456	1,442
4	Clark Road	Wake Avenue to McCabe Road	61.8	56.5	59.9	64.7	5	15	47	148	467	1,476

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Project Name : Monte Vista Soccer Complex
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Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	McCabe Road	La Brucherie Road to Sperber Road	5,522	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
2	McCabe Road	Sperber Road to Clark Road	5,324	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
3	McCabe Road	Clark Road to SR-86	6,612	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
4	Clark Road	Wake Avenue to McCabe Road	6,368	35	50	95.00	3.00	2.00	80.00	10.00	10.00	

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Predicted Noise Levels

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Segment	Roadway	Segment	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	McCabe Road	La Brucherie Road to Sperber Road	61.3	56.0	59.4	64.2	4	13	42	132	416	1,315
2	McCabe Road	Sperber Road to Clark Road	61.1	55.8	59.3	64.0	4	13	40	126	397	1,256
3	McCabe Road	Clark Road to SR-86	62.1	56.8	60.2	65.0	5	16	50	158	500	1,581
4	Clark Road	Wake Avenue to McCabe Road	61.9	56.6	60.0	64.8	5	15	48	151	477	1,510

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Project Name : Monte Vista Soccer Complex
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Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	McCabe Road	La Brucherie Road to Sperber Road	5,865	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
2	McCabe Road	Sperber Road to Clark Road	5,020	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
3	McCabe Road	Clark Road to SR-86	6,646	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
4	Clark Road	Wake Avenue to McCabe Road	6,795	35	50	95.00	3.00	2.00	80.00	10.00	10.00	

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Predicted Noise Levels

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Modeled Condition : Near-Term
Assessment Metric: Hard

Segment	Roadway	Segment	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	McCabe Road	La Brucherie Road to Sperber Road	61.6	56.3	59.7	64.4	4	14	44	138	435	1,377
2	McCabe Road	Sperber Road to Clark Road	60.9	55.6	59.0	63.8	4	12	38	120	379	1,199
3	McCabe Road	Clark Road to SR-86	62.1	56.8	60.2	65.0	5	16	50	158	500	1,581
4	Clark Road	Wake Avenue to McCabe Road	62.2	56.9	60.3	65.1	5	16	51	162	512	1,618

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Segment	Roadway	Segment	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	McCabe Road	La Brucherie Road to Sperber Road	6,055	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
2	McCabe Road	Sperber Road to Clark Road	5,780	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
3	McCabe Road	Clark Road to SR-86	7,216	35	50	95.00	3.00	2.00	80.00	10.00	10.00	
4	Clark Road	Wake Avenue to McCabe Road	6,985	35	50	95.00	3.00	2.00	80.00	10.00	10.00	

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Segment	Roadway	Segment	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
			Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	McCabe Road	La Brucherie Road to Sperber Road	61.7	56.4	59.8	64.6	5	14	46	144	456	1,442
2	McCabe Road	Sperber Road to Clark Road	61.5	56.2	59.6	64.4	4	14	44	138	435	1,377
3	McCabe Road	Clark Road to SR-86	62.5	57.2	60.6	65.3	5	17	54	169	536	1,694
4	Clark Road	Wake Avenue to McCabe Road	62.3	57.0	60.4	65.2	5	17	52	166	524	1,656