

Appendix G
Noise Calculations

This spreadsheet calculates traffic noise levels based on TNM Version 2.5 Lookup Tables.

**** Type in yellow cells only.**

Existing Traffic - 50 Feet

Traffic Data:	Units:
<input checked="" type="checkbox"/> Enter ADT Traffic	<input type="checkbox"/> Metric
<input type="checkbox"/> Enter Loudest-hour Traffic	<input checked="" type="checkbox"/> English

Calculate



Link	Roadway	Segment Location	Hard or Soft Ground (H or S)	BARRIER			Total Daily Traffic Volumes (ADT)	Traffic Mix		Vehicle Speed mph max. 80	Sound Levels at Receiver Locations			
				Present 1=yes	Height min. 7 ft. max. 32 ft.	Distance 35 ft. or 100 ft.		Number #	Description		Distance feet, min. 33 max. 1000	dB Ldn	dB CNEL	dB Leq1h (loudest hour)
1-2	Congress Avenue	Forest Lodge Road-David Avenue	H				7,375	1	Generic - Arterial Roadways (From	35	50	63	63	62
5-1	Forest Lodge Road	Congress Road-Congress Avenue	H				4,495	1	Generic - Arterial Roadways (From	35	50	61	61	60
6-4	Morse Avenue/Morse Drive	Congress Road-SR 68	H				2,990	1	Generic - Arterial Roadways (From	35	50	59	59	58
2	David Avenue	East of Congress Avenue	H				6,310	1	Generic - Arterial Roadways (From	35	50	62	63	61
3	David Avenue	West of SR 68	H				7,160	1	Generic - Arterial Roadways (From	35	50	63	63	62
3	SR 68	South of David Avenue	H				14,750	1	Generic - Arterial Roadways (From	45	50	69	69	68
4	SR 68	North of Morse Avenue	H				18,310	1	Generic - Arterial Roadways (From	45	50	70	70	69

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1-2	Congress Avenue	Forest Lodge Road-David Avenue	H				7,375	1	Generic - Arterial Roadways (From	35	100	59	60	59
5-1	Forest Lodge Road	Congress Road-Congress Avenue	H				4,495	1	Generic - Arterial Roadways (From	35	100	57	58	56
6-4	Morse Avenue/Morse Drive	Congress Road-SR 68	H				2,990	1	Generic - Arterial Roadways (From	35	100	56	56	55
2	David Avenue	East of Congress Avenue	H				6,310	1	Generic - Arterial Roadways (From	35	100	59	59	58
3	David Avenue	West of SR 68	H				7,160	1	Generic - Arterial Roadways (From	35	100	59	60	58
3	SR 68	South of David Avenue	H				14,750	1	Generic - Arterial Roadways (From	45	100	65	66	65
4	SR 68	North of Morse Avenue	H				18,310	1	Generic - Arterial Roadways (From	45	100	66	67	66

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1-2	Congress Avenue	Forest Lodge Road-David Avenue	H				8,305	1	Generic - Arterial Roadways (From	35	50	63	64	62
5-1	Forest Lodge Road	Congress Road-Congress Avenue	H				5,145	1	Generic - Arterial Roadways (From	35	50	61	62	60
6-4	Morse Avenue/Morse Drive	Congress Road-SR 68	H				3,500	1	Generic - Arterial Roadways (From	35	50	59	60	59
2	David Avenue	East of Congress Avenue	H				7,120	1	Generic - Arterial Roadways (From	35	50	62	63	62
3	David Avenue	West of SR 68	H				8,060	1	Generic - Arterial Roadways (From	35	50	63	64	62
3	SR 68	South of David Avenue	H				76,760	1	Generic - Arterial Roadways (From	45	50	76	76	75
4	SR 68	North of Morse Avenue	H				20,670	1	Generic - Arterial Roadways (From	45	50	70	71	69

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5-1	Forest Lodge Road	Congress Road-Congress Avenue	H				5,145	1	Generic - Arterial Roadways (From	35	100	58	59	57
6-4	Morse Avenue/Morse Drive	Congress Road-SR 68	H				3,500	1	Generic - Arterial Roadways (From	35	100	56	57	55
2	David Avenue	East of Congress Avenue	H				7,120	1	Generic - Arterial Roadways (From	35	100	59	60	58
3	David Avenue	West of SR 68	H				8,060	1	Generic - Arterial Roadways (From	35	100	60	60	59
3	SR 68	South of David Avenue	H				76,760	1	Generic - Arterial Roadways (From	45	100	73	73	72
4	SR 68	North of Morse Avenue	H				20,670	1	Generic - Arterial Roadways (From	45	100	67	67	66

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1-2	Congress Avenue	Forest Lodge Road-David Avenue	H				8,355	1	Generic - Arterial Roadways (From	35	50	63	64	62
5-1	Forest Lodge Road	Congress Road-Congress Avenue	H				5,200	1	Generic - Arterial Roadways (From	35	50	61	62	60
6-4	Morse Avenue/Morse Drive	Congress Road-SR 68	H				3,520	1	Generic - Arterial Roadways (From	35	50	60	60	59
2	David Avenue	East of Congress Avenue	H				7,170	1	Generic - Arterial Roadways (From	35	50	63	63	62
3	David Avenue	West of SR 68	H				8,100	1	Generic - Arterial Roadways (From	35	50	63	64	62
3	SR 68	South of David Avenue	H				16,780	1	Generic - Arterial Roadways (From	45	50	69	70	68
4	SR 68	North of Morse Avenue	H				20,690	1	Generic - Arterial Roadways (From	45	50	70	71	69

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