
Appendix

C

NOISE MODELING

Appendix B-1

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

Project #: 200307

Description Town of Loomis General Plan Update EIR - Existing

Ldn/CNEL: Ldn

Hard/Soft: Soft



Segment	Roadway	Segment	ADT	Day Night		% Med. % Hvy.		Speed	Distance	Offset (dB)	Contours (ft.) - No Offset			
				%	%	Trucks	Trucks				60	65	70	Level, dBA
1	Bankhead Road	King Rd to Saunders Ave	409	86	14	2.0%	1.0%	25	45	0	8	4	2	48.6
2	Bankhead Road	Saunders Ave to Sierra College Blvd	673	86	14	2.0%	1.0%	25	50	0	11	5	2	50.1
3	Barton Rd	Brace Rd to Gold Trail Way	1,935	86	14	2.0%	1.0%	40	85	0	41	19	9	55.2
4	Barton Rd	Gold Trail Way to Rocklin Rd	2,500	86	14	2.0%	1.0%	40	60	0	49	23	10	58.6
5	Barton Rd	Rocklin Rd to Indian Springs Rd	7,952	86	14	2.0%	1.0%	40	60	0	105	49	23	63.6
6	Brace Rd	Sierra College Blvd to I-80 Bridge	4,521	86	14	2.0%	1.0%	35	35	0	59	27	13	63.3
7	Brace Rd	I-80 Bridge to Laird Rd	3,555	86	14	2.0%	1.0%	40	45	0	61	29	13	62.0
8	Del Mar Ave	King Rd to N. Town Limit	212	86	14	2.0%	1.0%	35	70	0	8	4	2	45.5
9	Del Mar Ave	S. Town Limit to King Rd	719	86	14	2.0%	1.0%	35	50	0	17	8	4	53.0
10	Horseshoe Bar Rd	Taylor Rd to I-80 Bridge	16,536	86	14	2.0%	1.0%	25	40	0	93	43	20	65.5
11	Horseshoe Bar Rd	I-80 Bridge to Horseshoe Bar Rd	9,578	86	14	2.0%	1.0%	25	45	0	64	30	14	62.3
12	Horseshoe Bar Rd	Brace Rd to N. Town Limit	6,427	86	14	2.0%	1.0%	40	50	0	91	42	20	63.9
13	Humphrey Rd	Arcadia Ave to N. Town Limit	1,232	86	14	2.0%	1.0%	30	55	0	21	10	5	53.7
14	Humphrey Rd	King Rd to Arcadia Ave	2,721	86	14	2.0%	1.0%	25	45	0	28	13	6	56.9
15	King Rd	Del Mar Ave to Bankhead Rd	2,988	86	14	2.0%	1.0%	40	45	0	55	25	12	61.3
16	King Rd	Bankhead Rd to Humphrey Rd	3,188	86	14	2.0%	1.0%	35	45	0	46	22	10	60.2
17	King Rd	Humphrey Rd to Taylor Rd	5,521	86	14	2.0%	1.0%	35	35	0	67	31	14	64.2
18	King Rd	Taylor Rd to Bush Ln	5,629	86	14	2.0%	1.0%	35	45	0	68	31	15	62.7
19	King Rd	Bush Ln to I-80 Bridge	5,684	86	14	2.0%	1.0%	40	80	0	84	39	18	60.3
20	Laird Rd	Brace Rd to White Ln	4,673	86	14	2.0%	1.0%	35	50	0	60	28	13	61.2
21	Laird Rd	White Ln to S. Town Limit	4,412	86	14	2.0%	1.0%	35	50	0	58	27	12	60.9
22	Ripley Rd	Taylor Rd to N. Town Limit	802	86	14	2.0%	1.0%	35	35	0	18	9	4	55.8
23	Rocklin Rd	James Dr to Barton Rd	13,479	86	14	2.0%	1.0%	40	75	0	149	69	32	64.5
24	Saunders Ave	Bankhead Rd to McAllen Ln	378	86	14	2.0%	1.0%	25	55	0	7	3	2	47.0
25	Saunders Ave	McAllen Ln to Webb St	919	86	14	2.0%	1.0%	25	55	0	13	6	3	50.8
26	Sierra College Blvd	N. Town Limit to King Rd	12,179	86	14	2.0%	1.0%	50	120	0	201	93	43	63.4
27	Sierra College Blvd	King Rd to Bankhead Rd	11,372	86	14	2.0%	1.0%	50	200	0	192	89	41	59.7
28	Sierra College Blvd	Bankhead Rd to Brace Rd	13,019	86	14	2.0%	1.0%	45	80	0	176	82	38	65.2
29	Sierra College Blvd	Brace Rd to N. Granite Dr	22,010	86	14	2.0%	1.0%	40	115	0	207	96	45	63.8
30	Swetzer Rd	King Rd to N. Town Limit	6,261	86	14	2.0%	1.0%	35	50	0	73	34	16	62.4
31	Taylor Rd	S. Town Limit to Sierra College Blvd	11,463	86	14	2.0%	1.0%	40	50	0	134	62	29	66.4
32	Taylor Rd	Sierra College Blvd to Circle Dr	11,045	86	14	2.0%	1.0%	40	50	0	131	61	28	66.3
33	Taylor Rd	Circle Dr to Horseshoe Bar Rd	10,775	86	14	2.0%	1.0%	25	45	0	70	32	15	62.8
34	Taylor Rd	Horseshoe Bar Rd to King Rd	18,753	86	14	2.0%	1.0%	25	45	0	101	47	22	65.2
35	Taylor Rd	King Rd to N. Town Limit	8,881	86	14	2.0%	1.0%	25	50	0	61	28	13	61.3
36	Webb St	King Rd to Taylor Rd	4,121	86	14	2.0%	1.0%	25	35	0	37	17	8	60.3
37	Wells Ave	Barton Rd to Rickety Rack Rd	3,497	86	14	2.0%	1.0%	40	150	0	61	28	13	54.1
38	Wells Ave	Rickety Rack Rd to Morgan Place	3,372	86	14	2.0%	1.0%	40	55	0	59	28	13	60.5
39	I-80	Sierra College	85,500	77	23	1.5%	5.0%	70	150	0	1859	863	401	76.4

Appendix B-2

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

Project #: 200307

Description Town of Loomis General Plan Update EIR - Existing Plus Project

Ldn/CNEL: Ldn

Hard/Soft: Soft



Segment	Roadway	Segment	ADT	Day Night		% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No			Level, dBA
				%	%						60 dBA	65 dBA	70 dBA	
1	Bankhead Road	King Rd to Saunders Ave	616	86	14	2.0%	1.0%	25	45	0	10	5	2	50.4
2	Bankhead Road	Saunders Ave to Sierra College Blvd	875	86	14	2.0%	1.0%	25	50	0	13	6	3	51.3
3	Barton Rd	Brace Rd to Gold Trail Way	2,274	86	14	2.0%	1.0%	40	85	0	46	21	10	55.9
4	Barton Rd	Gold Trail Way to Rocklin Rd	2,830	86	14	2.0%	1.0%	40	60	0	53	24	11	59.2
5	Barton Rd	Rocklin Rd to Indian Springs Rd	8,080	86	14	2.0%	1.0%	40	60	0	106	49	23	63.7
6	Brace Rd	Sierra College Blvd to I-80 Bridge	5,638	86	14	2.0%	1.0%	35	35	0	68	31	15	64.3
7	Brace Rd	I-80 Bridge to Laird Rd	4,433	86	14	2.0%	1.0%	40	45	0	71	33	15	63.0
8	Del Mar Ave	King Rd to N. Town Limit	212	86	14	2.0%	1.0%	35	70	0	8	4	2	45.5
9	Del Mar Ave	S. Town Limit to King Rd	719	86	14	2.0%	1.0%	35	50	0	17	8	4	53.0
10	Horseshoe Bar Rd	Taylor Rd to I-80 Bridge	20,682	86	14	2.0%	1.0%	25	40	0	108	50	23	66.4
11	Horseshoe Bar Rd	I-80 Bridge to Horseshoe Bar Rd	11,516	86	14	2.0%	1.0%	25	45	0	73	34	16	63.1
12	Horseshoe Bar Rd	Brace Rd to N. Town Limit	6,611	86	14	2.0%	1.0%	40	50	0	93	43	20	64.0
13	Humphrey Rd	Arcadia Ave to N. Town Limit	1,264	86	14	2.0%	1.0%	30	55	0	21	10	5	53.8
14	Humphrey Rd	King Rd to Arcadia Ave	3,200	86	14	2.0%	1.0%	25	45	0	31	14	7	57.6
15	King Rd	Del Mar Ave to Bankhead Rd	2,988	86	14	2.0%	1.0%	40	45	0	55	25	12	61.3
16	King Rd	Bankhead Rd to Humphrey Rd	4,191	86	14	2.0%	1.0%	35	45	0	56	26	12	61.4
17	King Rd	Humphrey Rd to Taylor Rd	5,958	86	14	2.0%	1.0%	35	35	0	70	33	15	64.5
18	King Rd	Taylor Rd to Bush Ln	5,796	86	14	2.0%	1.0%	35	45	0	69	32	15	62.8
19	King Rd	Bush Ln to I-80 Bridge	6,078	86	14	2.0%	1.0%	40	80	0	88	41	19	60.6
20	Laird Rd	Brace Rd to White Ln	5,072	86	14	2.0%	1.0%	35	50	0	63	29	14	61.5
21	Laird Rd	White Ln to S. Town Limit	4,807	86	14	2.0%	1.0%	35	50	0	61	28	13	61.3
22	Rippey Rd	Taylor Rd to N. Town Limit	1,119	86	14	2.0%	1.0%	35	35	0	23	11	5	57.3
23	Rocklin Rd	James Dr to Barton Rd	14,032	86	14	2.0%	1.0%	40	75	0	153	71	33	64.7
24	Saunders Ave	Bankhead Rd to McAllen Ln	438	86	14	2.0%	1.0%	25	55	0	8	4	2	47.6
25	Saunders Ave	McAllen Ln to Webb St	950	86	14	2.0%	1.0%	25	55	0	14	6	3	51.0
26	Sierra College Blvd	N. Town Limit to King Rd	12,756	86	14	2.0%	1.0%	50	120	0	207	96	45	63.6
27	Sierra College Blvd	King Rd to Bankhead Rd	11,596	86	14	2.0%	1.0%	50	200	0	195	90	42	59.8
28	Sierra College Blvd	Bankhead Rd to Brace Rd	13,530	86	14	2.0%	1.0%	45	80	0	181	84	39	65.3
29	Sierra College Blvd	Brace Rd to N. Granite Dr	25,926	86	14	2.0%	1.0%	40	115	0	231	107	50	64.5
30	Swetzer Rd	King Rd to N. Town Limit	7,604	86	14	2.0%	1.0%	35	50	0	83	38	18	63.3
31	Taylor Rd	S. Town Limit to Sierra College Blvd	13,109	86	14	2.0%	1.0%	40	50	0	147	68	32	67.0
32	Taylor Rd	Sierra College Blvd to Circle Dr	13,137	86	14	2.0%	1.0%	40	50	0	147	68	32	67.0
33	Taylor Rd	Circle Dr to Horseshoe Bar Rd	13,228	86	14	2.0%	1.0%	25	45	0	80	37	17	63.7
34	Taylor Rd	Horseshoe Bar Rd to King Rd	21,026	86	14	2.0%	1.0%	25	45	0	109	50	23	65.7
35	Taylor Rd	King Rd to N. Town Limit	11,400	86	14	2.0%	1.0%	25	50	0	72	34	16	62.4
36	Webb St	King Rd to Taylor Rd	4,950	86	14	2.0%	1.0%	25	35	0	41	19	9	61.1
37	Wells Ave	Barton Rd to Rickety Rack Rd	3,524	86	14	2.0%	1.0%	40	150	0	61	28	13	54.1
38	Wells Ave	Rickety Rack Rd to Morgan Place	3,520	86	14	2.0%	1.0%	40	55	0	61	28	13	60.7
39	I-80	Sierra College Blvd to Penryn Rd	85,500	77	23	1.5%	5.0%	70	150	0	1859	863	401	76.4

Appendix B-3

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



Project #: 200307

Description: Town of Loomis General Plan Update EIR - Cumulative

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway	Segment	ADT	Day Night		% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No			Level, dBA
				%	%						60 dBA	65 dBA	70 dBA	
1	Bankhead Road	King Rd to Saunders Ave	470	86	14	2.0%	1.0%	25	45	0	9	4	2	49.2
2	Bankhead Road	Saunders Ave to Sierra College Blvd	782	86	14	2.0%	1.0%	25	50	0	12	6	3	50.8
3	Barton Rd	Brace Rd to Gold Trail Way	1,935	86	14	2.0%	1.0%	40	85	0	41	19	9	55.2
4	Barton Rd	Gold Trail Way to Rocklin Rd	2,500	86	14	2.0%	1.0%	40	60	0	49	23	10	58.6
5	Barton Rd	Rocklin Rd to Indian Springs Rd	10,065	86	14	2.0%	1.0%	40	60	0	123	57	26	64.7
6	Brace Rd	Sierra College Blvd to I-80 Bridge	5,380	86	14	2.0%	1.0%	35	35	0	66	30	14	64.1
7	Brace Rd	I-80 Bridge to Laird Rd	4,230	86	14	2.0%	1.0%	40	45	0	69	32	15	62.8
8	Del Mar Ave	King Rd to N. Town Limit	430	86	14	2.0%	1.0%	35	70	0	12	6	3	48.6
9	Del Mar Ave	S. Town Limit to King Rd	1,075	86	14	2.0%	1.0%	35	50	0	22	10	5	54.8
10	Horseshoe Bar Rd	Taylor Rd to I-80 Bridge	16,536	86	14	2.0%	1.0%	25	40	0	93	43	20	65.5
11	Horseshoe Bar Rd	I-80 Bridge to Horseshoe Bar Rd	9,578	86	14	2.0%	1.0%	25	45	0	64	30	14	62.3
12	Horseshoe Bar Rd	Brace Rd to N. Town Limit	6,427	86	14	2.0%	1.0%	40	50	0	91	42	20	63.9
13	Humphrey Rd	Arcadia Ave to N. Town Limit	2,269	86	14	2.0%	1.0%	30	55	0	31	15	7	56.3
14	Humphrey Rd	King Rd to Arcadia Ave	2,721	86	14	2.0%	1.0%	25	45	0	28	13	6	56.9
15	King Rd	Del Mar Ave to Bankhead Rd	3,917	86	14	2.0%	1.0%	40	45	0	66	30	14	62.4
16	King Rd	Bankhead Rd to Humphrey Rd	6,374	86	14	2.0%	1.0%	35	45	0	74	34	16	63.2
17	King Rd	Humphrey Rd to Taylor Rd	5,703	86	14	2.0%	1.0%	35	35	0	68	32	15	64.4
18	King Rd	Taylor Rd to Bush Ln	7,033	86	14	2.0%	1.0%	35	45	0	79	36	17	63.6
19	King Rd	Bush Ln to I-80 Bridge	6,915	86	14	2.0%	1.0%	40	80	0	96	44	21	61.2
20	Laird Rd	Brace Rd to White Ln	4,791	86	14	2.0%	1.0%	35	50	0	61	28	13	61.3
21	Laird Rd	White Ln to S. Town Limit	4,587	86	14	2.0%	1.0%	35	50	0	59	27	13	61.1
22	Rippey Rd	Taylor Rd to N. Town Limit	802	86	14	2.0%	1.0%	35	35	0	18	9	4	55.8
23	Rocklin Rd	James Dr to Barton Rd	18,137	86	14	2.0%	1.0%	40	75	0	182	84	39	65.8
24	Saunders Ave	Bankhead Rd to McAllen Ln	443	86	14	2.0%	1.0%	25	55	0	8	4	2	47.7
25	Saunders Ave	McAllen Ln to Webb St	919	86	14	2.0%	1.0%	25	55	0	13	6	3	50.8
26	Sierra College Blvd	N. Town Limit to King Rd	25,695	86	14	2.0%	1.0%	50	120	0	331	153	71	66.6
27	Sierra College Blvd	King Rd to Bankhead Rd	23,041	86	14	2.0%	1.0%	50	200	0	308	143	66	62.8
28	Sierra College Blvd	Bankhead Rd to Brace Rd	25,587	86	14	2.0%	1.0%	45	80	0	277	129	60	68.1
29	Sierra College Blvd	Brace Rd to N. Granite Dr	34,882	86	14	2.0%	1.0%	40	115	0	281	131	61	65.8
30	Swetzer Rd	King Rd to N. Town Limit	6,261	86	14	2.0%	1.0%	35	50	0	73	34	16	62.4
31	Taylor Rd	S. Town Limit to Sierra College Blvd	11,567	86	14	2.0%	1.0%	40	50	0	135	63	29	66.5
32	Taylor Rd	Sierra College Blvd to Circle Dr	12,238	86	14	2.0%	1.0%	40	50	0	140	65	30	66.7
33	Taylor Rd	Circle Dr to Horseshoe Bar Rd	11,744	86	14	2.0%	1.0%	25	45	0	74	34	16	63.2
34	Taylor Rd	Horseshoe Bar Rd to King Rd	18,753	86	14	2.0%	1.0%	25	45	0	101	47	22	65.2
35	Taylor Rd	King Rd to N. Town Limit	9,026	86	14	2.0%	1.0%	25	50	0	62	29	13	61.4
36	Webb St	King Rd to Taylor Rd	4,367	86	14	2.0%	1.0%	25	35	0	38	18	8	60.6
37	Wells Ave	Barton Rd to Rickety Rack Rd	5,218	86	14	2.0%	1.0%	40	150	0	79	37	17	55.8
38	Wells Ave	Rickety Rack Rd to Morgan Place	4,921	86	14	2.0%	1.0%	40	55	0	76	35	16	62.1
39	I-80	Sierra College Blvd to Penryn Rd	85,500	77	23	1.5%	5.0%	70	150	0	1859	863	401	76.4

Appendix B-4

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

Project #: 200307

Description: Town of Loomis General Plan Update EIR - Cumulative Plus Project

Ldn/CNEL: Ldn

Hard/Soft: Soft



Segment	Roadway	Segment	ADT	Day %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No			Level, dBA
											60 dBA	65 dBA	70 dBA	
1	Bankhead Road	King Rd to Saunders Ave	801	86	14	2.0%	1.0%	25	45	0	12	6	3	51.6
2	Bankhead Road	Saunders Ave to Sierra College Blvd	1,088	86	14	2.0%	1.0%	25	50	0	15	7	3	52.2
3	Barton Rd	Brace Rd to Gold Trail Way	2,149	86	14	2.0%	1.0%	40	85	0	44	20	9	55.7
4	Barton Rd	Gold Trail Way to Rocklin Rd	2,776	86	14	2.0%	1.0%	40	60	0	52	24	11	59.1
5	Barton Rd	Rocklin Rd to Indian Springs Rd	10,251	86	14	2.0%	1.0%	40	60	0	124	58	27	64.8
6	Brace Rd	Sierra College Blvd to I-80 Bridge	6,452	86	14	2.0%	1.0%	35	35	0	74	34	16	64.9
7	Brace Rd	I-80 Bridge to Laird Rd	5,073	86	14	2.0%	1.0%	40	45	0	78	36	17	63.6
8	Del Mar Ave	King Rd to N. Town Limit	430	86	14	2.0%	1.0%	35	70	0	12	6	3	48.6
9	Del Mar Ave	S. Town Limit to King Rd	1,075	86	14	2.0%	1.0%	35	50	0	22	10	5	54.8
10	Horseshoe Bar Rd	Taylor Rd to I-80 Bridge	19,388	86	14	2.0%	1.0%	25	40	0	103	48	22	66.2
11	Horseshoe Bar Rd	I-80 Bridge to Horseshoe Bar Rd	10,636	86	14	2.0%	1.0%	25	45	0	69	32	15	62.8
12	Horseshoe Bar Rd	Brace Rd to N. Town Limit	7,137	86	14	2.0%	1.0%	40	50	0	98	45	21	64.4
13	Humphrey Rd	Arcadia Ave to N. Town Limit	2,516	86	14	2.0%	1.0%	30	55	0	34	16	7	56.8
14	Humphrey Rd	King Rd to Arcadia Ave	3,078	86	14	2.0%	1.0%	25	45	0	30	14	7	57.4
15	King Rd	Del Mar Ave to Bankhead Rd	3,917	86	14	2.0%	1.0%	40	45	0	66	30	14	62.4
16	King Rd	Bankhead Rd to Humphrey Rd	7,948	86	14	2.0%	1.0%	35	45	0	85	40	18	64.2
17	King Rd	Humphrey Rd to Taylor Rd	6,479	86	14	2.0%	1.0%	35	35	0	74	35	16	64.9
18	King Rd	Taylor Rd to Bush Ln	7,132	86	14	2.0%	1.0%	35	45	0	79	37	17	63.7
19	King Rd	Bush Ln to I-80 Bridge	7,328	86	14	2.0%	1.0%	40	80	0	99	46	21	61.4
20	Laird Rd	Brace Rd to White Ln	5,189	86	14	2.0%	1.0%	35	50	0	64	30	14	61.6
21	Laird Rd	White Ln to S. Town Limit	4,899	86	14	2.0%	1.0%	35	50	0	62	29	13	61.4
22	Rippey Rd	Taylor Rd to N. Town Limit	1,079	86	14	2.0%	1.0%	35	35	0	23	10	5	57.1
23	Rocklin Rd	James Dr to Barton Rd	18,838	86	14	2.0%	1.0%	40	75	0	187	87	40	65.9
24	Saunders Ave	Bankhead Rd to McAllen Ln	526	86	14	2.0%	1.0%	25	55	0	9	4	2	48.4
25	Saunders Ave	McAllen Ln to Webb St	1,020	86	14	2.0%	1.0%	25	55	0	14	7	3	51.3
26	Sierra College Blvd	N. Town Limit to King Rd	26,845	86	14	2.0%	1.0%	50	120	0	340	158	73	66.8
27	Sierra College Blvd	King Rd to Bankhead Rd	23,556	86	14	2.0%	1.0%	50	200	0	312	145	67	62.9
28	Sierra College Blvd	Bankhead Rd to Brace Rd	26,548	86	14	2.0%	1.0%	45	80	0	284	132	61	68.2
29	Sierra College Blvd	Brace Rd to N. Granite Dr	39,465	86	14	2.0%	1.0%	40	115	0	306	142	66	66.4
30	Swetzer Rd	King Rd to N. Town Limit	7,291	86	14	2.0%	1.0%	35	50	0	80	37	17	63.1
31	Taylor Rd	S. Town Limit to Sierra College Blvd	12,993	86	14	2.0%	1.0%	40	50	0	146	68	31	67.0
32	Taylor Rd	Sierra College Blvd to Circle Dr	14,326	86	14	2.0%	1.0%	40	50	0	156	72	34	67.4
33	Taylor Rd	Circle Dr to Horseshoe Bar Rd	13,908	86	14	2.0%	1.0%	25	45	0	83	38	18	64.0
34	Taylor Rd	Horseshoe Bar Rd to King Rd	21,253	86	14	2.0%	1.0%	25	45	0	109	51	24	65.8
35	Taylor Rd	King Rd to N. Town Limit	11,404	86	14	2.0%	1.0%	25	50	0	72	34	16	62.4
36	Webb St	King Rd to Taylor Rd	4,879	86	14	2.0%	1.0%	25	35	0	41	19	9	61.0
37	Wells Ave	Barton Rd to Rickety Rack Rd	5,220	86	14	2.0%	1.0%	40	150	0	79	37	17	55.9
38	Wells Ave	Rickety Rack Rd to Morgan Place	5,037	86	14	2.0%	1.0%	40	55	0	77	36	17	62.2
39	I-80	Sierra College Blvd to Penryn Rd	85,500	77	23	1.5%	5.0%	70	150	0	1859	863	401	76.4

Appendix B-5

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

Project #: 200307

Description: Town of Loomis General Plan Update EIR - Cumulative Plus Alt 1

Ldn/CNEL: Ldn

Hard/Soft: Soft



Segment	Roadway	Segment	ADT	Day Night		% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No			Level, dBA
				%	%						60 dBA	65 dBA	70 dBA	
1	Bankhead Road	King Rd to Saunders Ave	710	86	14	2.0%	1.0%	25	45	0	11	5	2	51.0
2	Bankhead Road	Saunders Ave to Sierra College Blvd	957	86	14	2.0%	1.0%	25	50	0	14	6	3	51.6
3	Barton Rd	Brace Rd to Gold Trail Way	2,149	86	14	2.0%	1.0%	40	85	0	44	20	9	55.7
4	Barton Rd	Gold Trail Way to Rocklin Rd	2,776	86	14	2.0%	1.0%	40	60	0	52	24	11	59.1
5	Barton Rd	Rocklin Rd to Indian Springs Rd	10,258	86	14	2.0%	1.0%	40	60	0	124	58	27	64.8
6	Brace Rd	Sierra College Blvd to I-80 Bridge	6,376	86	14	2.0%	1.0%	35	35	0	74	34	16	64.8
7	Brace Rd	I-80 Bridge to Laird Rd	5,014	86	14	2.0%	1.0%	40	45	0	77	36	17	63.5
8	Del Mar Ave	King Rd to N. Town Limit	889	86	14	2.0%	1.0%	35	70	0	20	9	4	51.8
9	Del Mar Ave	S. Town Limit to King Rd	1,212	86	14	2.0%	1.0%	35	50	0	24	11	5	55.3
10	Horseshoe Bar Rd	Taylor Rd to I-80 Bridge	18,362	86	14	2.0%	1.0%	25	40	0	99	46	21	65.9
11	Horseshoe Bar Rd	I-80 Bridge to Horseshoe Bar Rd	10,636	86	14	2.0%	1.0%	25	45	0	69	32	15	62.8
12	Horseshoe Bar Rd	Brace Rd to N. Town Limit	7,137	86	14	2.0%	1.0%	40	50	0	98	45	21	64.4
13	Humphrey Rd	Arcadia Ave to N. Town Limit	2,506	86	14	2.0%	1.0%	30	55	0	34	16	7	56.8
14	Humphrey Rd	King Rd to Arcadia Ave	3,250	86	14	2.0%	1.0%	25	45	0	31	15	7	57.6
15	King Rd	Del Mar Ave to Bankhead Rd	5,613	86	14	2.0%	1.0%	40	45	0	83	39	18	64.0
16	King Rd	Bankhead Rd to Humphrey Rd	7,123	86	14	2.0%	1.0%	35	45	0	79	37	17	63.7
17	King Rd	Humphrey Rd to Taylor Rd	6,248	86	14	2.0%	1.0%	35	35	0	73	34	16	64.8
18	King Rd	Taylor Rd to Bush Ln	7,214	86	14	2.0%	1.0%	35	45	0	80	37	17	63.7
19	King Rd	Bush Ln to I-80 Bridge	7,059	86	14	2.0%	1.0%	40	80	0	97	45	21	61.3
20	Laird Rd	Brace Rd to White Ln	5,189	86	14	2.0%	1.0%	35	50	0	64	30	14	61.6
21	Laird Rd	White Ln to S. Town Limit	4,899	86	14	2.0%	1.0%	35	50	0	62	29	13	61.4
22	Rippey Rd	Taylor Rd to N. Town Limit	1,094	86	14	2.0%	1.0%	35	35	0	23	11	5	57.2
23	Rocklin Rd	James Dr to Barton Rd	18,884	86	14	2.0%	1.0%	40	75	0	187	87	40	66.0
24	Saunders Ave	Bankhead Rd to McAllen Ln	457	86	14	2.0%	1.0%	25	55	0	8	4	2	47.8
25	Saunders Ave	McAllen Ln to Webb St	1,020	86	14	2.0%	1.0%	25	55	0	14	7	3	51.3
26	Sierra College Blvd	N. Town Limit to King Rd	26,709	86	14	2.0%	1.0%	50	120	0	339	158	73	66.8
27	Sierra College Blvd	King Rd to Bankhead Rd	24,738	86	14	2.0%	1.0%	50	200	0	322	150	69	63.1
28	Sierra College Blvd	Bankhead Rd to Brace Rd	27,628	86	14	2.0%	1.0%	45	80	0	291	135	63	68.4
29	Sierra College Blvd	Brace Rd to N. Granite Dr	41,159	86	14	2.0%	1.0%	40	115	0	314	146	68	66.5
30	Swetzer Rd	King Rd to N. Town Limit	7,293	86	14	2.0%	1.0%	35	50	0	80	37	17	63.1
31	Taylor Rd	S. Town Limit to Sierra College Blvd	12,948	86	14	2.0%	1.0%	40	50	0	145	67	31	67.0
32	Taylor Rd	Sierra College Blvd to Circle Dr	15,330	86	14	2.0%	1.0%	40	50	0	163	76	35	67.7
33	Taylor Rd	Circle Dr to Horseshoe Bar Rd	13,039	86	14	2.0%	1.0%	25	45	0	79	37	17	63.7
34	Taylor Rd	Horseshoe Bar Rd to King Rd	20,824	86	14	2.0%	1.0%	25	45	0	108	50	23	65.7
35	Taylor Rd	King Rd to N. Town Limit	10,579	86	14	2.0%	1.0%	25	50	0	69	32	15	62.1
36	Webb St	King Rd to Taylor Rd	4,968	86	14	2.0%	1.0%	25	35	0	42	19	9	61.1
37	Wells Ave	Barton Rd to Rickety Rack Rd	5,247	86	14	2.0%	1.0%	40	150	0	80	37	17	55.9
38	Wells Ave	Rickety Rack Rd to Morgan Place	4,948	86	14	2.0%	1.0%	40	55	0	77	36	16	62.2
39	I-80	Sierra College Blvd to Penryn Rd	85,500	77	23	1.5%	5.0%	70	150	0	1859	863	401	76.4

Appendix B-6

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

Project #: 200307

Description: Town of Loomis General Plan Update EIR - Cumulative Plus Alt 2

Ldn/CNEL: Ldn

Hard/Soft: Soft



Segment	Roadway	Segment	ADT	Day Night		% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)	Contours (ft.) - No			Level, dBA
				%	%						60 dBA	65 dBA	70 dBA	
1	Bankhead Road	King Rd to Saunders Ave	747	86	14	2.0%	1.0%	25	45	0	12	5	3	51.3
2	Bankhead Road	Saunders Ave to Sierra College Blvd	980	86	14	2.0%	1.0%	25	50	0	14	7	3	51.7
3	Barton Rd	Brace Rd to Gold Trail Way	2,149	86	14	2.0%	1.0%	40	85	0	44	20	9	55.7
4	Barton Rd	Gold Trail Way to Rocklin Rd	3,321	86	14	2.0%	1.0%	40	60	0	59	27	13	59.9
5	Barton Rd	Rocklin Rd to Indian Springs Rd	10,267	86	14	2.0%	1.0%	40	60	0	125	58	27	64.8
6	Brace Rd	Sierra College Blvd to I-80 Bridge	6,435	86	14	2.0%	1.0%	35	35	0	74	34	16	64.9
7	Brace Rd	I-80 Bridge to Laird Rd	5,060	86	14	2.0%	1.0%	40	45	0	78	36	17	63.6
8	Del Mar Ave	King Rd to N. Town Limit	424	86	14	2.0%	1.0%	35	70	0	12	6	3	48.6
9	Del Mar Ave	S. Town Limit to King Rd	1,056	86	14	2.0%	1.0%	35	50	0	22	10	5	54.7
10	Horseshoe Bar Rd	Taylor Rd to I-80 Bridge	18,713	86	14	2.0%	1.0%	25	40	0	101	47	22	66.0
11	Horseshoe Bar Rd	I-80 Bridge to Horseshoe Bar Rd	10,636	86	14	2.0%	1.0%	25	45	0	69	32	15	62.8
12	Horseshoe Bar Rd	Brace Rd to N. Town Limit	7,137	86	14	2.0%	1.0%	40	50	0	98	45	21	64.4
13	Humphrey Rd	Arcadia Ave to N. Town Limit	2,409	86	14	2.0%	1.0%	30	55	0	33	15	7	56.6
14	Humphrey Rd	King Rd to Arcadia Ave	3,021	86	14	2.0%	1.0%	25	45	0	30	14	6	57.3
15	King Rd	Del Mar Ave to Bankhead Rd	3,868	86	14	2.0%	1.0%	40	45	0	65	30	14	62.4
16	King Rd	Bankhead Rd to Humphrey Rd	7,102	86	14	2.0%	1.0%	35	45	0	79	37	17	63.7
17	King Rd	Humphrey Rd to Taylor Rd	6,329	86	14	2.0%	1.0%	35	35	0	73	34	16	64.8
18	King Rd	Taylor Rd to Bush Ln	7,244	86	14	2.0%	1.0%	35	45	0	80	37	17	63.8
19	King Rd	Bush Ln to I-80 Bridge	7,055	86	14	2.0%	1.0%	40	80	0	97	45	21	61.3
20	Laird Rd	Brace Rd to White Ln	5,333	86	14	2.0%	1.0%	35	50	0	65	30	14	61.7
21	Laird Rd	White Ln to S. Town Limit	4,906	86	14	2.0%	1.0%	35	50	0	62	29	13	61.4
22	Rippey Rd	Taylor Rd to N. Town Limit	1,207	86	14	2.0%	1.0%	35	35	0	24	11	5	57.6
23	Rocklin Rd	James Dr to Barton Rd	19,445	86	14	2.0%	1.0%	40	75	0	191	88	41	66.1
24	Saunders Ave	Bankhead Rd to McAllen Ln	457	86	14	2.0%	1.0%	25	55	0	8	4	2	47.8
25	Saunders Ave	McAllen Ln to Webb St	1,020	86	14	2.0%	1.0%	25	55	0	14	7	3	51.3
26	Sierra College Blvd	N. Town Limit to King Rd	26,875	86	14	2.0%	1.0%	50	120	0	341	158	73	66.8
27	Sierra College Blvd	King Rd to Bankhead Rd	24,182	86	14	2.0%	1.0%	50	200	0	318	147	68	63.0
28	Sierra College Blvd	Bankhead Rd to Brace Rd	27,070	86	14	2.0%	1.0%	45	80	0	288	133	62	68.3
29	Sierra College Blvd	Brace Rd to N. Granite Dr	42,189	86	14	2.0%	1.0%	40	115	0	320	148	69	66.7
30	Swetzer Rd	King Rd to N. Town Limit	8,202	86	14	2.0%	1.0%	35	50	0	87	40	19	63.6
31	Taylor Rd	S. Town Limit to Sierra College Blvd	13,572	86	14	2.0%	1.0%	40	50	0	150	70	32	67.2
32	Taylor Rd	Sierra College Blvd to Circle Dr	16,629	86	14	2.0%	1.0%	40	50	0	172	80	37	68.0
33	Taylor Rd	Circle Dr to Horseshoe Bar Rd	13,809	86	14	2.0%	1.0%	25	45	0	82	38	18	63.9
34	Taylor Rd	Horseshoe Bar Rd to King Rd	21,725	86	14	2.0%	1.0%	25	45	0	111	52	24	65.9
35	Taylor Rd	King Rd to N. Town Limit	12,546	86	14	2.0%	1.0%	25	50	0	77	36	17	62.8
36	Webb St	King Rd to Taylor Rd	4,932	86	14	2.0%	1.0%	25	35	0	41	19	9	61.1
37	Wells Ave	Barton Rd to Rickety Rack Rd	5,189	86	14	2.0%	1.0%	40	150	0	79	37	17	55.8
38	Wells Ave	Rickety Rack Rd to Morgan Place	4,887	86	14	2.0%	1.0%	40	55	0	76	35	16	62.1
39	I-80	Sierra College Blvd to Penryn Rd	85,500	77	23	1.5%	5.0%	70	150	0	1859	863	401	76.4