

APPENDIX C

Noise Modeling—Technical Details

Appendix A-1
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR
Description: 2007 Estimated
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	115,000	80		20	2	5	65	100	
2	I-80 (south)	North of SR 37	114,000	80		20	2	3	65	100	
3	I-80 (north)	East of American Canyon Rd	117,000	80		20	2	3	65	100	
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	127,000	80		20	1	4	65	100	
5	I-80	North of Tennessee St	130,000	80		20	1	4	65	100	
6	I-80	East of Suisun Valley Rd	258,000	80		20	2	4	65	100	
7	I-80	East of Pleasants Valley Rd	152,000	80		20	2	4	65	100	
8	I-80	East of Leisure Town Rd	105,000	80		20	2	4	65	100	
9	I-780	West of Military West (Benicia)	92,000	80		20	3	2	65	100	
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	128,000	80		20	2	3	65	100	
11	I-680	North of Marshview Rd	64,000	80		20	2	3	65	100	
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	16,000	80		20	1	9	65	100	
13	I-505	South of Midway Rd	28,000	80		20	1	9	65	100	
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	2,000	80		20	1	4	65	100	
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	35,000	80		20	4	8	65	100	
16	SR 37	West of I-80	77,000	80		20	1	5	65	100	
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	4,000	80		20	3	2	65	100	
18	SR 29	Solano-Napa County Line	50,000	80		20	3	4	65	100	
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	5,000	80		20	4	5	65	100	
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	8,000	80		20	3	3	65	100	
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	37,000	80		20	2	2	65	100	
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	18,000	80		20	2	8	65	100	
23	SR 12	West of Solano-Napa County Line	38,000	80		20	3	5	65	100	
24	SR 12	West of Beck Ave (Leg A)	50,000	80		20	2	5	65	100	
25	SR 12	East of Pennsylvania Ave	54,000	80		20	1	4	65	100	
26	SR 12	East of Scandia Rd	15,000	80		20	3	7	65	100	

Appendix A-2

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	51,000	80		20	2	4	65	100	
28	SR 113	North of SR 12	5,000	80		20	1	6	65	100	
29	SR 113	South of Dixon City Limits	4,000	80		20	2	4	65	100	
30	SR 113	South of I-80	10,000	80		20	5	10	65	100	
31	Air Base Pkwy	East of I-80 (#53)	59,000	83		17	2	2	45	100	
32	Air Base Pkwy	West of RR Tracks (#8)	36,000	83		17	2	2	45	100	
33	Alamo Dr	South of Marshall Rd	23,000	83		17	2	2	45	100	
34	Allison Dr	East of I-80	16,000	83		17	2	2	45	100	
35	American Canyon Rd	At American Canyon City Limits	7,000	83		17	2	2	45	100	
36	Batavia Rd	South of Dixon City Limits	2,000	83		17	2	2	45	100	
37	Benicia Rd	East of Lemon St	7,000	83		17	2	2	45	100	
38	Broadway	North of Tennessee St	16,000	83		17	2	2	45	100	
39	Collinsville Rd		2,000	83		17	2	2	45	100	
40	Columbus Pkwy	North of Tennessee St	14,000	83		17	2	2	45	100	
41	Cordelia Rd	West of Hale Ranch Rd	9,000	83		17	2	2	45	100	
42	Cordelia St	East of Pennsylvania Ave	2,000	83		17	2	2	45	100	
43	Curtola Pkwy	West of Lemon St	37,000	83		17	2	2	45	100	
44	Davis St	South of Bella Vista Rd	6,000	83		17	2	2	45	100	
45	Dixon Ave	East of Gateway Dr	12,000	83		17	2	2	45	100	
46	E Tabor Ave	East of Tolenas Ave (#7)	8,000	83		17	2	2	45	100	
47	Georgia St	West of 14th St	10,000	83		17	2	2	45	100	
48	Lake Herman Rd	East of Columbus Pkwy	5,000	83		17	2	2	45	100	
49	Leisure Town Rd	North of Orange Dr	17,000	83		17	2	2	45	100	
50	Magazine St	West of 6th St	7,000	83		17	2	2	45	100	
51	Mason St-Elmira Rd	East of Peabody Rd	32,000	83		17	2	2	45	100	
52	N Texas St	East of I-80 (#40)	24,000	83		17	2	2	45	100	

Appendix A-3

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
53	North Connector	East of Suisun Valley Rd	2,000	83		17	2	2	45	100	
54	Nut Tree Rd	South of Burtoin Dr	18,000	83		17	2	2	45	100	
55	Oakwood Av	North of Tennessee St	9,000	83		17	2	2	45	100	
56	Peabody Rd	North of Cement Hill Rd	25,000	83		17	2	2	45	100	
57	Padrick Rd-Road 98 (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	11,000	83		17	2	2	45	100	
59	Pitt School Rd	South of Dixon City Limits	2,000	83		17	2	2	45	100	
60	Pitt School Rd	North of Market St	6,000	83		17	2	2	45	100	
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	2,000	83		17	2	2	45	100	
62	Pleasants Valley Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
63	Redwood Pkwy	West of Fairgrounds Dr	40,000	83		17	2	2	45	100	
64	Road 89/Winters Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
65	Rockville Rd	east of Suisun Valley Rd	10,000	83		17	2	2	45	100	
66	Sacramento St	north of Tennessee St	8,000	83		17	2	2	45	100	
67	Solano Ave	West of Phelan Ave	8,000	83		17	2	2	45	100	
68	Sonoma Blvd (SR 29)	North of Tennessee St	39,000	83		17	2	2	45	100	
69	Sonoma Blvd (SR 29)	North of I-80	24,000	83		17	2	2	45	100	
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
71	Suisun Valley Rd	Solano-Napa County Line	5,000	83		17	2	2	45	100	
72	Sunset Ave	South of Travis Blvd (#16)	24,000	83		17	2	2	45	100	
73	Tennessee St	West of Mariposa St	25,000	83		17	2	2	45	100	
74	Travis Blvd	East of I-80 (#84)	33,000	83		17	2	2	45	100	
75	Tuolumne St	North of Tennessee St	11,000	83		17	2	2	45	100	
76	Vanden Rd	South of Leisure Town Rd	6,000	83		17	2	2	45	100	
77	W Texas St	East of I-80 (#101)	16,000	83		17	2	2	45	100	
78	Wilson Av	North of Tennessee St	15,000	83		17	2	2	45	100	

Appendix A-4
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR
Description: 2030 Base Model
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	140,000	80		20	2	5	65	100	
2	I-80 (south)	North of SR 37	162,000	80		20	2	3	65	100	
3	I-80 (north)	East of American Canyon Rd	163,000	80		20	2	3	65	100	
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	171,000	80		20	1	4	65	100	
5	I-80	North of Tennessee St	150,000	80		20	1	4	65	100	
6	I-80	East of Suisun Valley Rd	267,000	80		20	2	4	65	100	
7	I-80	East of Pleasants Valley Rd	187,000	80		20	2	4	65	100	
8	I-80	East of Leisure Town Rd	134,000	80		20	2	4	65	100	
9	I-780	West of Military West (Benicia)	114,000	80		20	3	2	65	100	
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	178,000	80		20	2	3	65	100	
11	I-680	North of Marshview Rd	86,000	80		20	2	3	65	100	
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	38,000	80		20	1	9	65	100	
13	I-505	South of Midway Rd	48,000	80		20	1	9	65	100	
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	6,000	80		20	1	4	65	100	
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	48,000	80		20	4	8	65	100	
16	SR 37	West of I-80	93,000	80		20	1	5	65	100	
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	4,000	80		20	3	2	65	100	
18	SR 29	Solano-Napa County Line	59,000	80		20	3	4	65	100	
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	13,000	80		20	4	5	65	100	
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	20,000	80		20	3	3	65	100	
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	49,000	80		20	2	2	65	100	
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	32,000	80		20	2	8	65	100	
23	SR 12	West of Solano-Napa County Line	60,000	80		20	3	5	65	100	
24	SR 12	West of Beck Ave (Leg A)	85,000	80		20	2	5	65	100	
25	SR 12	East of Pennsylvania Ave	77,000	80		20	1	4	65	100	
26	SR 12	East of Scandia Rd	28,000	80		20	3	7	65	100	

Appendix A-5
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR
Description: 2030 Base Model
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	70,000	80		20	2	4	65	100	
28	SR 113	North of SR 12	9,000	80		20	1	6	65	100	
29	SR 113	South of Dixon City Limits	10,000	80		20	2	4	65	100	
30	SR 113	South of I-80	11,000	80		20	5	10	65	100	
31	Air Base Pkwy	East of I-80 (#53)	65,000	83		17	2	2	45	100	
32	Air Base Pkwy	West of RR Tracks (#8)	52,000	83		17	2	2	45	100	
33	Alamo Dr	South of Marshall Rd	23,000	83		17	2	2	45	100	
34	Allison Dr	East of I-80	20,000	83		17	2	2	45	100	
35	American Canyon Rd	At American Canyon City Limits	13,000	83		17	2	2	45	100	
36	Batavia Rd	South of Dixon City Limits	2,000	83		17	2	2	45	100	
37	Benicia Rd	East of Lemon St	18,000	83		17	2	2	45	100	
38	Broadway	North of Tennessee St	29,000	83		17	2	2	45	100	
39	Collinsville Rd		2,000	83		17	2	2	45	100	
40	Columbus Pkwy	North of Tennessee St	27,000	83		17	2	2	45	100	
41	Cordelia Rd	West of Hale Ranch Rd	8,000	83		17	2	2	45	100	
42	Cordelia St	East of Pennsylvania Ave	4,000	83		17	2	2	45	100	
43	Curtola Pkwy	West of Lemon St	48,000	83		17	2	2	45	100	
44	Davis St	South of Bella Vista Rd	9,000	83		17	2	2	45	100	
45	Dixon Ave	East of Gateway Dr	21,000	83		17	2	2	45	100	
46	E Tabor Ave	East of Tolenas Ave (#7)	12,000	83		17	2	2	45	100	
47	Georgia St	West of 14th St	12,000	83		17	2	2	45	100	
48	Lake Herman Rd	East of Columbus Pkwy	12,000	83		17	2	2	45	100	
49	Leisure Town Rd	North of Orange Dr	35,000	83		17	2	2	45	100	
50	Magazine St	West of 6th St	8,000	83		17	2	2	45	100	
51	Mason St-Elmira Rd	East of Peabody Rd	34,000	83		17	2	2	45	100	
52	N Texas St	East of I-80 (#40)	30,000	83		17	2	2	45	100	

Appendix A-6
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR
 Description: 2030 Base Model
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
53	North Connector	East of Suisun Valley Rd	31,000	83		17	2	2	45	100	
54	Nut Tree Rd	South of Burtoin Dr	26,000	83		17	2	2	45	100	
55	Oakwood Av	North of Tennessee St	15,000	83		17	2	2	45	100	
56	Peabody Rd	North of Cement Hill Rd	41,000	83		17	2	2	45	100	
57	Padrick Rd-Road 98 (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	18,000	83		17	2	2	45	100	
59	Pitt School Rd	South of Dixon City Limits	2,000	83		17	2	2	45	100	
60	Pitt School Rd	North of Market St	8,000	83		17	2	2	45	100	
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	2,000	83		17	2	2	45	100	
62	Pleasants Valley Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
63	Redwood Pkwy	West of Fairgrounds Dr	47,000	83		17	2	2	45	100	
64	Road 89/Winters Rd (Yolo-Solano Co Line)		7,000	83		17	2	2	45	100	
65	Rockville Rd	east of Suisun Valley Rd	10,000	83		17	2	2	45	100	
66	Sacramento St	north of Tennessee St	14,000	83		17	2	2	45	100	
67	Solano Ave	West of Phelan Ave	13,000	83		17	2	2	45	100	
68	Sonoma Blvd (SR 29)	North of Tennessee St	46,000	83		17	2	2	45	100	
69	Sonoma Blvd (SR 29)	North of I-80	36,000	83		17	2	2	45	100	
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
71	Suisun Valley Rd	Solano-Napa County Line	7,000	83		17	2	2	45	100	
72	Sunset Ave	South of Travis Blvd (#16)	28,000	83		17	2	2	45	100	
73	Tennessee St	West of Mariposa St	31,000	83		17	2	2	45	100	
74	Travis Blvd	East of I-80 (#84)	40,000	83		17	2	2	45	100	
75	Tuolumne St	North of Tennessee St	18,000	83		17	2	2	45	100	
76	Vanden Rd	South of Leisure Town Rd	16,000	83		17	2	2	45	100	
77	W Texas St	East of I-80 (#101)	27,000	83		17	2	2	45	100	
78	Wilson Av	North of Tennessee St	21,000	83		17	2	2	45	100	

Appendix A-7

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	143,000	80		20	2	5	65	100	
2	I-80 (south)	North of SR 37	161,000	80		20	2	3	65	100	
3	I-80 (north)	East of American Canyon Rd	162,000	80		20	2	3	65	100	
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	170,000	80		20	1	4	65	100	
5	I-80	North of Tennessee St	150,000	80		20	1	4	65	100	
6	I-80	East of Suisun Valley Rd	266,000	80		20	2	4	65	100	
7	I-80	East of Pleasants Valley Rd	187,000	80		20	2	4	65	100	
8	I-80	East of Leisure Town Rd	138,000	80		20	2	4	65	100	
9	I-780	West of Military West (Benicia)	113,000	80		20	3	2	65	100	
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	175,000	80		20	2	3	65	100	
11	I-680	North of Marshview Rd	86,000	80		20	2	3	65	100	
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	38,000	80		20	1	9	65	100	
13	I-505	South of Midway Rd	50,000	80		20	1	9	65	100	
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	6,000	80		20	1	4	65	100	
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	47,000	80		20	4	8	65	100	
16	SR 37	West of I-80	92,000	80		20	1	5	65	100	
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	4,000	80		20	3	2	65	100	
18	SR 29	Solano-Napa County Line	60,000	80		20	3	4	65	100	
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	13,000	80		20	4	5	65	100	
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	20,000	80		20	3	3	65	100	
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	49,000	80		20	2	2	65	100	
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	32,000	80		20	2	8	65	100	
23	SR 12	West of Solano-Napa County Line	59,000	80		20	3	5	65	100	
24	SR 12	West of Beck Ave (Leg A)	85,000	80		20	2	5	65	100	
25	SR 12	East of Pennsylvania Ave	77,000	80		20	1	4	65	100	
26	SR 12	East of Scandia Rd	29,000	80		20	3	7	65	100	

Appendix A-8
FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR
Description: 2030 Estimated Scenario
Ldn/CNEL: Ldn
Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	70,000	80		20	2	4	65	100	
28	SR 113	North of SR 12	9,000	80		20	1	6	65	100	
29	SR 113	South of Dixon City Limits	10,000	80		20	2	4	65	100	
30	SR 113	South of I-80	11,000	80		20	5	10	65	100	
31	Air Base Pkwy	East of I-80 (#53)	65,000	83		17	2	2	45	100	
32	Air Base Pkwy	West of RR Tracks (#8)	52,000	83		17	2	2	45	100	
33	Alamo Dr	South of Marshall Rd	23,000	83		17	2	2	45	100	
34	Allison Dr	East of I-80	20,000	83		17	2	2	45	100	
35	American Canyon Rd	At American Canyon City Limits	13,000	83		17	2	2	45	100	
36	Batavia Rd	South of Dixon City Limits	4,000	83		17	2	2	45	100	
37	Benicia Rd	East of Lemon St	19,000	83		17	2	2	45	100	
38	Broadway	North of Tennessee St	29,000	83		17	2	2	45	100	
39	Collinsville Rd		2,000	83		17	2	2	45	100	
40	Columbus Pkwy	North of Tennessee St	27,000	83		17	2	2	45	100	
41	Cordelia Rd	West of Hale Ranch Rd	7,000	83		17	2	2	45	100	
42	Cordelia St	East of Pennsylvania Ave	3,000	83		17	2	2	45	100	
43	Curtola Pkwy	West of Lemon St	48,000	83		17	2	2	45	100	
44	Davis St	South of Bella Vista Rd	9,000	83		17	2	2	45	100	
45	Dixon Ave	East of Gateway Dr	25,000	83		17	2	2	45	100	
46	E Tabor Ave	East of Tolenas Ave (#7)	12,000	83		17	2	2	45	100	
47	Georgia St	West of 14th St	12,000	83		17	2	2	45	100	
48	Lake Herman Rd	East of Columbus Pkwy	11,000	83		17	2	2	45	100	
49	Leisure Town Rd	North of Orange Dr	37,000	83		17	2	2	45	100	
50	Magazine St	West of 6th St	8,000	83		17	2	2	45	100	
51	Mason St-Elmira Rd	East of Peabody Rd	34,000	83		17	2	2	45	100	
52	N Texas St	East of I-80 (#40)	31,000	83		17	2	2	45	100	

Appendix A-9

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
53	North Connector	East of Suisun Valley Rd	31,000	83		17	2	2	45	100	
54	Nut Tree Rd	South of Burtoin Dr	27,000	83		17	2	2	45	100	
55	Oakwood Av	North of Tennessee St	15,000	83		17	2	2	45	100	
56	Peabody Rd	North of Cement Hill Rd	39,000	83		17	2	2	45	100	
57	Padrick Rd-Road 98 (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	18,000	83		17	2	2	45	100	
59	Pitt School Rd	South of Dixon City Limits	2,000	83		17	2	2	45	100	
60	Pitt School Rd	North of Market St	8,000	83		17	2	2	45	100	
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	2,000	83		17	2	2	45	100	
62	Pleasants Valley Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
63	Redwood Pkwy	West of Fairgrounds Dr	47,000	83		17	2	2	45	100	
64	Road 89/Winters Rd (Yolo-Solano Co Line)		7,000	83		17	2	2	45	100	
65	Rockville Rd	east of Suisun Valley Rd	10,000	83		17	2	2	45	100	
66	Sacramento St	north of Tennessee St	16,000	83		17	2	2	45	100	
67	Solano Ave	West of Phelan Ave	13,000	83		17	2	2	45	100	
68	Sonoma Blvd (SR 29)	North of Tennessee St	46,000	83		17	2	2	45	100	
69	Sonoma Blvd (SR 29)	North of I-80	36,000	83		17	2	2	45	100	
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
71	Suisun Valley Rd	Solano-Napa County Line	7,000	83		17	2	2	45	100	
72	Sunset Ave	South of Travis Blvd (#16)	28,000	83		17	2	2	45	100	
73	Tennessee St	West of Mariposa St	32,000	83		17	2	2	45	100	
74	Travis Blvd	East of I-80 (#84)	42,000	83		17	2	2	45	100	
75	Tuolumne St	North of Tennessee St	18,000	83		17	2	2	45	100	
76	Vanden Rd	South of Leisure Town Rd	16,000	83		17	2	2	45	100	
77	W Texas St	East of I-80 (#101)	25,000	83		17	2	2	45	100	
78	Wilson Av	North of Tennessee St	21,000	83		17	2	2	45	100	

Appendix A-10

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	143,000	80		20	2	5	65	100	
2	I-80 (south)	North of SR 37	161,000	80		20	2	3	65	100	
3	I-80 (north)	East of American Canyon Rd	162,000	80		20	2	3	65	100	
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	170,000	80		20	1	4	65	100	
5	I-80	North of Tennessee St	149,000	80		20	1	4	65	100	
6	I-80	East of Suisun Valley Rd	266,000	80		20	2	4	65	100	
7	I-80	East of Pleasants Valley Rd	188,000	80		20	2	4	65	100	
8	I-80	East of Leisure Town Rd	141,000	80		20	2	4	65	100	
9	I-780	West of Military West (Benicia)	113,000	80		20	3	2	65	100	
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	178,000	80		20	2	3	65	100	
11	I-680	North of Marshview Rd	86,000	80		20	2	3	65	100	
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	39,000	80		20	1	9	65	100	
13	I-505	South of Midway Rd	51,000	80		20	1	9	65	100	
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	6,000	80		20	1	4	65	100	
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	47,000	80		20	4	8	65	100	
16	SR 37	West of I-80	92,000	80		20	1	5	65	100	
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	4,000	80		20	3	2	65	100	
18	SR 29	Solano-Napa County Line	60,000	80		20	3	4	65	100	
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	14,000	80		20	4	5	65	100	
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	20,000	80		20	3	3	65	100	
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	49,000	80		20	2	2	65	100	
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	32,000	80		20	2	8	65	100	
23	SR 12	West of Solano-Napa County Line	59,000	80		20	3	5	65	100	
24	SR 12	West of Beck Ave (Leg A)	85,000	80		20	2	5	65	100	
25	SR 12	East of Pennsylvania Ave	77,000	80		20	1	4	65	100	
26	SR 12	East of Scandia Rd	31,000	80		20	3	7	65	100	

Appendix A-11

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	72,000	80		20	2	4	65	100	
28	SR 113	North of SR 12	10,000	80		20	1	6	65	100	
29	SR 113	South of Dixon City Limits	11,000	80		20	2	4	65	100	
30	SR 113	South of I-80	11,000	80		20	5	10	65	100	
31	Air Base Pkwy	East of I-80 (#53)	65,000	83		17	2	2	45	100	
32	Air Base Pkwy	West of RR Tracks (#8)	53,000	83		17	2	2	45	100	
33	Alamo Dr	South of Marshall Rd	21,000	83		17	2	2	45	100	
34	Allison Dr	East of I-80	20,000	83		17	2	2	45	100	
35	American Canyon Rd	At American Canyon City Limits	14,000	83		17	2	2	45	100	
36	Batavia Rd	South of Dixon City Limits	5,000	83		17	2	2	45	100	
37	Benicia Rd	East of Lemon St	17,000	83		17	2	2	45	100	
38	Broadway	North of Tennessee St	29,000	83		17	2	2	45	100	
39	Collinsville Rd		2,000	83		17	2	2	45	100	
40	Columbus Pkwy	North of Tennessee St	26,000	83		17	2	2	45	100	
41	Cordelia Rd	West of Hale Ranch Rd	6,000	83		17	2	2	45	100	
42	Cordelia St	East of Pennsylvania Ave	3,000	83		17	2	2	45	100	
43	Curtola Pkwy	West of Lemon St	48,000	83		17	2	2	45	100	
44	Davis St	South of Bella Vista Rd	9,000	83		17	2	2	45	100	
45	Dixon Ave	East of Gateway Dr	26,000	83		17	2	2	45	100	
46	E Tabor Ave	East of Tolenas Ave (#7)	12,000	83		17	2	2	45	100	
47	Georgia St	West of 14th St	12,000	83		17	2	2	45	100	
48	Lake Herman Rd	East of Columbus Pkwy	12,000	83		17	2	2	45	100	
49	Leisure Town Rd	North of Orange Dr	39,000	83		17	2	2	45	100	
50	Magazine St	West of 6th St	7,000	83		17	2	2	45	100	
51	Mason St-Elmira Rd	East of Peabody Rd	34,000	83		17	2	2	45	100	
52	N Texas St	East of I-80 (#40)	31,000	83		17	2	2	45	100	

Appendix A-12

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

Data Input Sheet

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
53	North Connector	East of Suisun Valley Rd	31,000	83		17	2	2	45	100	
54	Nut Tree Rd	South of Burtoin Dr	28,000	83		17	2	2	45	100	
55	Oakwood Av	North of Tennessee St	15,000	83		17	2	2	45	100	
56	Peabody Rd	North of Cement Hill Rd	39,000	83		17	2	2	45	100	
57	Padrick Rd-Road 98 (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	18,000	83		17	2	2	45	100	
59	Pitt School Rd	South of Dixon City Limits	2,000	83		17	2	2	45	100	
60	Pitt School Rd	North of Market St	8,000	83		17	2	2	45	100	
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	2,000	83		17	2	2	45	100	
62	Pleasants Valley Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
63	Redwood Pkwy	West of Fairgrounds Dr	47,000	83		17	2	2	45	100	
64	Road 89/Winters Rd (Yolo-Solano Co Line)		7,000	83		17	2	2	45	100	
65	Rockville Rd	east of Suisun Valley Rd	10,000	83		17	2	2	45	100	
66	Sacramento St	north of Tennessee St	14,000	83		17	2	2	45	100	
67	Solano Ave	West of Phelan Ave	12,000	83		17	2	2	45	100	
68	Sonoma Blvd (SR 29)	North of Tennessee St	46,000	83		17	2	2	45	100	
69	Sonoma Blvd (SR 29)	North of I-80	37,000	83		17	2	2	45	100	
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		2,000	83		17	2	2	45	100	
71	Suisun Valley Rd	Solano-Napa County Line	7,000	83		17	2	2	45	100	
72	Sunset Ave	South of Travis Blvd (#16)	28,000	83		17	2	2	45	100	
73	Tennessee St	West of Mariposa St	31,000	83		17	2	2	45	100	
74	Travis Blvd	East of I-80 (#84)	41,000	83		17	2	2	45	100	
75	Tuolumne St	North of Tennessee St	18,000	83		17	2	2	45	100	
76	Vanden Rd	South of Leisure Town Rd	16,000	83		17	2	2	45	100	
77	W Texas St	East of I-80 (#101)	24,000	83		17	2	2	45	100	
78	Wilson Av	North of Tennessee St	21,000	83		17	2	2	45	100	

Appendix B-1

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	77.3	66.7	74.2	79
2	I-80 (south)	North of SR 37	77.3	66.7	71.9	79
3	I-80 (north)	East of American Canyon Rd	77.4	66.8	72.0	79
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	77.8	64.2	73.6	79
5	I-80	North of Tennessee St	77.9	64.3	73.7	79
6	I-80	East of Suisun Valley Rd	80.8	70.2	76.7	83
7	I-80	East of Pleasants Valley Rd	78.5	67.9	74.4	80
8	I-80	East of Leisure Town Rd	76.9	66.3	72.8	79
9	I-780	West of Military West (Benicia)	76.4	67.5	69.2	78
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	77.8	67.2	72.4	79
11	I-680	North of Marshview Rd	74.8	64.2	69.4	76
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	68.6	55.2	68.2	71
13	I-505	South of Midway Rd	71.0	57.6	70.6	74
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	59.8	46.1	55.6	61
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	71.9	64.6	71.1	75
16	SR 37	West of I-80	75.6	62.0	72.4	77
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	62.8	53.9	55.6	64
18	SR 29	Solano-Napa County Line	73.6	64.9	69.6	75
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	63.6	56.1	60.6	66
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	65.7	56.9	60.4	67
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	72.5	61.8	65.3	74
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	69.1	58.7	68.2	72
23	SR 12	West of Solano-Napa County Line	72.4	63.7	69.4	75
24	SR 12	West of Beck Ave (Leg A)	73.6	63.1	70.6	76
25	SR 12	East of Pennsylvania Ave	74.1	60.4	69.9	76
26	SR 12	East of Scandia Rd	68.3	59.6	66.8	71

Appendix B-2

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	73.8	63.2	69.7	75
28	SR 113	North of SR 12	63.6	50.1	61.4	66
29	SR 113	South of Dixon City Limits	62.7	52.1	58.6	64
30	SR 113	South of I-80	66.3	60.1	66.6	70
31	Air Base Pkwy	East of I-80 (#53)	69.5	60.9	65.4	71
32	Air Base Pkwy	West of RR Tracks (#8)	67.3	58.8	63.3	69
33	Alamo Dr	South of Marshall Rd	65.4	56.8	61.3	67
34	Allison Dr	East of I-80	63.8	55.2	59.7	66
35	American Canyon Rd	At American Canyon City Limits	60.2	51.6	56.1	62
36	Batavia Rd	South of Dixon City Limits	54.8	46.2	50.7	57
37	Benicia Rd	East of Lemon St	60.2	51.6	56.1	62
38	Broadway	North of Tennessee St	63.8	55.2	59.7	66
39	Collinsville Rd		54.8	46.2	50.7	57
40	Columbus Pkwy	North of Tennessee St	63.2	54.7	59.2	65
41	Cordelia Rd	West of Hale Ranch Rd	61.3	52.7	57.2	63
42	Cordelia St	East of Pennsylvania Ave	54.8	46.2	50.7	57
43	Curtola Pkwy	West of Lemon St	67.4	58.9	63.4	69
44	Davis St	South of Bella Vista Rd	59.5	51.0	55.5	61
45	Dixon Ave	East of Gateway Dr	62.5	54.0	58.5	64
46	E Tabor Ave	East of Tolenas Ave (#7)	60.8	52.2	56.7	63
47	Georgia St	West of 14th St	61.8	53.2	57.7	64
48	Lake Herman Rd	East of Columbus Pkwy	58.7	50.2	54.7	61
49	Leisure Town Rd	North of Orange Dr	64.1	55.5	60.0	66
50	Magazine St	West of 6th St	60.2	51.6	56.1	62
51	Mason St-Elmira Rd	East of Peabody Rd	66.8	58.2	62.7	69
52	N Texas St	East of I-80 (#40)	65.6	57.0	61.5	67

Appendix B-3

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
53	North Connector	East of Suisun Valley Rd	54.8	46.2	50.7	57
54	Nut Tree Rd	South of Burtoin Dr	64.3	55.7	60.2	66
55	Oakwood Av	North of Tennessee St	61.3	52.7	57.2	63
56	Peabody Rd	North of Cement Hill Rd	65.7	57.2	61.7	68
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		54.8	46.2	50.7	57
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	62.2	53.6	58.1	64
59	Pitt School Rd	South of Dixon City Limits	54.8	46.2	50.7	57
60	Pitt School Rd	North of Market St	59.5	51.0	55.5	61
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	54.8	46.2	50.7	57
62	Pleasants Valley Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
63	Redwood Pkwy	West of Fairgrounds Dr	67.8	59.2	63.7	70
64	Road 89/Winters Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
65	Rockville Rd	east of Suisun Valley Rd	61.8	53.2	57.7	64
66	Sacramento St	north of Tennessee St	60.8	52.2	56.7	63
67	Solano Ave	West of Phelan Ave	60.8	52.2	56.7	63
68	Sonoma Blvd (SR 29)	North of Tennessee St	67.7	59.1	63.6	70
69	Sonoma Blvd (SR 29)	North of I-80	65.6	57.0	61.5	67
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
71	Suisun Valley Rd	Solano-Napa County Line	58.7	50.2	54.7	61
72	Sunset Ave	South of Travis Blvd (#16)	65.6	57.0	61.5	67
73	Tennessee St	West of Mariposa St	65.7	57.2	61.7	68
74	Travis Blvd	East of I-80 (#84)	66.9	58.4	62.9	69
75	Tuolumne St	North of Tennessee St	62.2	53.6	58.1	64
76	Vanden Rd	South of Leisure Town Rd	59.5	51.0	55.5	61
77	W Texas St	East of I-80 (#101)	63.8	55.2	59.7	66
78	Wilson Av	North of Tennessee St	63.5	55.0	59.5	65

Appendix B-4

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Base Model

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	78.1	67.6	75.0	80
2	I-80 (south)	North of SR 37	78.8	68.2	73.5	80
3	I-80 (north)	East of American Canyon Rd	78.9	68.2	73.5	80
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	79.1	65.4	74.9	81
5	I-80	North of Tennessee St	78.5	64.9	74.4	80
6	I-80	East of Suisun Valley Rd	81.0	70.4	76.9	83
7	I-80	East of Pleasants Valley Rd	79.4	68.8	75.3	81
8	I-80	East of Leisure Town Rd	78.0	67.4	73.9	80
9	I-780	West of Military West (Benicia)	77.3	68.5	70.2	79
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	79.3	68.6	73.9	81
11	I-680	North of Marshview Rd	76.1	65.5	70.7	77
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	72.3	58.9	71.9	75
13	I-505	South of Midway Rd	73.3	59.9	72.9	76
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	64.5	50.9	60.4	66
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	73.2	65.9	72.4	76
16	SR 37	West of I-80	76.4	62.8	73.3	78
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	62.8	53.9	55.6	64
18	SR 29	Solano-Napa County Line	74.4	65.6	70.3	76
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	67.7	60.3	64.7	70
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	69.7	60.9	64.4	71
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	73.7	63.0	66.5	75
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	71.6	61.2	70.7	74
23	SR 12	West of Solano-Napa County Line	74.4	65.7	71.4	77
24	SR 12	West of Beck Ave (Leg A)	76.0	65.4	72.9	78
25	SR 12	East of Pennsylvania Ave	75.6	62.0	71.5	77
26	SR 12	East of Scandia Rd	71.0	62.4	69.5	74

Appendix B-5

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Base Model

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	75.2	64.6	71.1	77
28	SR 113	North of SR 12	66.2	52.7	63.9	68
29	SR 113	South of Dixon City Limits	66.7	56.1	62.6	68
30	SR 113	South of I-80	66.7	60.5	67.0	70
31	Air Base Pkwy	East of I-80 (#53)	69.9	61.3	65.8	72
32	Air Base Pkwy	West of RR Tracks (#8)	68.9	60.4	64.8	71
33	Alamo Dr	South of Marshall Rd	65.4	56.8	61.3	67
34	Allison Dr	East of I-80	64.8	56.2	60.7	67
35	American Canyon Rd	At American Canyon City Limits	62.9	54.3	58.8	65
36	Batavia Rd	South of Dixon City Limits	54.8	46.2	50.7	57
37	Benicia Rd	East of Lemon St	64.3	55.7	60.2	66
38	Broadway	North of Tennessee St	66.4	57.8	62.3	68
39	Collinsville Rd		54.8	46.2	50.7	57
40	Columbus Pkwy	North of Tennessee St	66.1	57.5	62.0	68
41	Cordelia Rd	West of Hale Ranch Rd	60.8	52.2	56.7	63
42	Cordelia St	East of Pennsylvania Ave	57.8	49.2	53.7	60
43	Curtola Pkwy	West of Lemon St	68.6	60.0	64.5	70
44	Davis St	South of Bella Vista Rd	61.3	52.7	57.2	63
45	Dixon Ave	East of Gateway Dr	65.0	56.4	60.9	67
46	E Tabor Ave	East of Tolenas Ave (#7)	62.5	54.0	58.5	64
47	Georgia St	West of 14th St	62.5	54.0	58.5	64
48	Lake Herman Rd	East of Columbus Pkwy	62.5	54.0	58.5	64
49	Leisure Town Rd	North of Orange Dr	67.2	58.6	63.1	69
50	Magazine St	West of 6th St	60.8	52.2	56.7	63
51	Mason St-Elmira Rd	East of Peabody Rd	67.1	58.5	63.0	69
52	N Texas St	East of I-80 (#40)	66.5	58.0	62.5	68

Appendix B-6

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Base Model

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
53	North Connector	East of Suisun Valley Rd	66.7	58.1	62.6	69
54	Nut Tree Rd	South of Burtoin Dr	65.9	57.3	61.8	68
55	Oakwood Av	North of Tennessee St	63.5	55.0	59.5	65
56	Peabody Rd	North of Cement Hill Rd	67.9	59.3	63.8	70
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		54.8	46.2	50.7	57
58	Petrified Forest Rd (Sonoma-Napa Co Line) At Sonoma-Napa County Line		64.3	55.7	60.2	66
59	Pitt School Rd	South of Dixon City Limits	54.8	46.2	50.7	57
60	Pitt School Rd	North of Market St	60.8	52.2	56.7	63
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	54.8	46.2	50.7	57
62	Pleasants Valley Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
63	Redwood Pkwy	West of Fairgrounds Dr	68.5	59.9	64.4	70
64	Road 89/Winters Rd (Yolo-Solano Co Line)		60.2	51.6	56.1	62
65	Rockville Rd	east of Suisun Valley Rd	61.8	53.2	57.7	64
66	Sacramento St	north of Tennessee St	63.2	54.7	59.2	65
67	Solano Ave	West of Phelan Ave	62.9	54.3	58.8	65
68	Sonoma Blvd (SR 29)	North of Tennessee St	68.4	59.8	64.3	70
69	Sonoma Blvd (SR 29)	North of I-80	67.3	58.8	63.3	69
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
71	Suisun Valley Rd	Solano-Napa County Line	60.2	51.6	56.1	62
72	Sunset Ave	South of Travis Blvd (#16)	66.2	57.7	62.2	68
73	Tennessee St	West of Mariposa St	66.7	58.1	62.6	69
74	Travis Blvd	East of I-80 (#84)	67.8	59.2	63.7	70
75	Tuolumne St	North of Tennessee St	64.3	55.7	60.2	66
76	Vanden Rd	South of Leisure Town Rd	63.8	55.2	59.7	66
77	W Texas St	East of I-80 (#101)	66.1	57.5	62.0	68
78	Wilson Av	North of Tennessee St	65.0	56.4	60.9	67

Appendix B-7

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	78.2	67.7	75.1	80
2	I-80 (south)	North of SR 37	78.8	68.2	73.4	80
3	I-80 (north)	East of American Canyon Rd	78.8	68.2	73.5	80
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	79.1	65.4	74.9	81
5	I-80	North of Tennessee St	78.5	64.9	74.4	80
6	I-80	East of Suisun Valley Rd	81.0	70.4	76.9	83
7	I-80	East of Pleasants Valley Rd	79.4	68.8	75.3	81
8	I-80	East of Leisure Town Rd	78.1	67.5	74.0	80
9	I-780	West of Military West (Benicia)	77.3	68.4	70.1	78
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	79.2	68.6	73.8	81
11	I-680	North of Marshview Rd	76.1	65.5	70.7	77
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	72.3	58.9	71.9	75
13	I-505	South of Midway Rd	73.5	60.1	73.1	76
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	64.5	50.9	60.4	66
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	73.1	65.9	72.3	76
16	SR 37	West of I-80	76.3	62.8	73.2	78
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	62.8	53.9	55.6	64
18	SR 29	Solano-Napa County Line	74.4	65.7	70.4	76
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	67.7	60.3	64.7	70
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	69.7	60.9	64.4	71
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	73.7	63.0	66.5	75
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	71.6	61.2	70.7	74
23	SR 12	West of Solano-Napa County Line	74.3	65.6	71.3	76
24	SR 12	West of Beck Ave (Leg A)	76.0	65.4	72.9	78
25	SR 12	East of Pennsylvania Ave	75.6	62.0	71.5	77
26	SR 12	East of Scandia Rd	71.1	62.5	69.7	74

Appendix B-8

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	75.2	64.6	71.1	77
28	SR 113	North of SR 12	66.2	52.7	63.9	68
29	SR 113	South of Dixon City Limits	66.7	56.1	62.6	68
30	SR 113	South of I-80	66.7	60.5	67.0	70
31	Air Base Pkwy	East of I-80 (#53)	69.9	61.3	65.8	72
32	Air Base Pkwy	West of RR Tracks (#8)	68.9	60.4	64.8	71
33	Alamo Dr	South of Marshall Rd	65.4	56.8	61.3	67
34	Allison Dr	East of I-80	64.8	56.2	60.7	67
35	American Canyon Rd	At American Canyon City Limits	62.9	54.3	58.8	65
36	Batavia Rd	South of Dixon City Limits	57.8	49.2	53.7	60
37	Benicia Rd	East of Lemon St	64.5	56.0	60.5	66
38	Broadway	North of Tennessee St	66.4	57.8	62.3	68
39	Collinsville Rd		54.8	46.2	50.7	57
40	Columbus Pkwy	North of Tennessee St	66.1	57.5	62.0	68
41	Cordelia Rd	West of Hale Ranch Rd	60.2	51.6	56.1	62
42	Cordelia St	East of Pennsylvania Ave	56.5	48.0	52.5	58
43	Curtola Pkwy	West of Lemon St	68.6	60.0	64.5	70
44	Davis St	South of Bella Vista Rd	61.3	52.7	57.2	63
45	Dixon Ave	East of Gateway Dr	65.7	57.2	61.7	68
46	E Tabor Ave	East of Tolenas Ave (#7)	62.5	54.0	58.5	64
47	Georgia St	West of 14th St	62.5	54.0	58.5	64
48	Lake Herman Rd	East of Columbus Pkwy	62.2	53.6	58.1	64
49	Leisure Town Rd	North of Orange Dr	67.4	58.9	63.4	69
50	Magazine St	West of 6th St	60.8	52.2	56.7	63
51	Mason St-Elmira Rd	East of Peabody Rd	67.1	58.5	63.0	69
52	N Texas St	East of I-80 (#40)	66.7	58.1	62.6	69

Appendix B-9

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
53	North Connector	East of Suisun Valley Rd	66.7	58.1	62.6	69
54	Nut Tree Rd	South of Burtoin Dr	66.1	57.5	62.0	68
55	Oakwood Av	North of Tennessee St	63.5	55.0	59.5	65
56	Peabody Rd	North of Cement Hill Rd	67.7	59.1	63.6	70
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		54.8	46.2	50.7	57
58	Petrified Forest Rd (Sonoma-Napa Co Line) At Sonoma-Napa County Line		64.3	55.7	60.2	66
59	Pitt School Rd	South of Dixon City Limits	54.8	46.2	50.7	57
60	Pitt School Rd	North of Market St	60.8	52.2	56.7	63
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	54.8	46.2	50.7	57
62	Pleasants Valley Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
63	Redwood Pkwy	West of Fairgrounds Dr	68.5	59.9	64.4	70
64	Road 89/Winters Rd (Yolo-Solano Co Line)		60.2	51.6	56.1	62
65	Rockville Rd	east of Suisun Valley Rd	61.8	53.2	57.7	64
66	Sacramento St	north of Tennessee St	63.8	55.2	59.7	66
67	Solano Ave	West of Phelan Ave	62.9	54.3	58.8	65
68	Sonoma Blvd (SR 29)	North of Tennessee St	68.4	59.8	64.3	70
69	Sonoma Blvd (SR 29)	North of I-80	67.3	58.8	63.3	69
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
71	Suisun Valley Rd	Solano-Napa County Line	60.2	51.6	56.1	62
72	Sunset Ave	South of Travis Blvd (#16)	66.2	57.7	62.2	68
73	Tennessee St	West of Mariposa St	66.8	58.2	62.7	69
74	Travis Blvd	East of I-80 (#84)	68.0	59.4	63.9	70
75	Tuolumne St	North of Tennessee St	64.3	55.7	60.2	66
76	Vanden Rd	South of Leisure Town Rd	63.8	55.2	59.7	66
77	W Texas St	East of I-80 (#101)	65.7	57.2	61.7	68
78	Wilson Av	North of Tennessee St	65.0	56.4	60.9	67

Appendix B-10

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	78.2	67.7	75.1	80
2	I-80 (south)	North of SR 37	78.8	68.2	73.4	80
3	I-80 (north)	East of American Canyon Rd	78.8	68.2	73.5	80
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	79.1	65.4	74.9	81
5	I-80	North of Tennessee St	78.5	64.8	74.3	80
6	I-80	East of Suisun Valley Rd	81.0	70.4	76.9	83
7	I-80	East of Pleasants Valley Rd	79.4	68.9	75.4	81
8	I-80	East of Leisure Town Rd	78.2	67.6	74.1	80
9	I-780	West of Military West (Benicia)	77.3	68.4	70.1	78
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	79.3	68.6	73.9	81
11	I-680	North of Marshview Rd	76.1	65.5	70.7	77
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	72.4	59.0	72.0	75
13	I-505	South of Midway Rd	73.6	60.2	73.2	77
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	64.5	50.9	60.4	66
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	73.1	65.9	72.3	76
16	SR 37	West of I-80	76.3	62.8	73.2	78
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	62.8	53.9	55.6	64
18	SR 29	Solano-Napa County Line	74.4	65.7	70.4	76
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	68.0	60.6	65.0	70
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	69.7	60.9	64.4	71
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	73.7	63.0	66.5	75
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	71.6	61.2	70.7	74
23	SR 12	West of Solano-Napa County Line	74.3	65.6	71.3	76
24	SR 12	West of Beck Ave (Leg A)	76.0	65.4	72.9	78
25	SR 12	East of Pennsylvania Ave	75.6	62.0	71.5	77
26	SR 12	East of Scandia Rd	71.4	62.8	70.0	74

Appendix B-11

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	75.3	64.7	71.2	77
28	SR 113	North of SR 12	66.7	53.1	64.4	69
29	SR 113	South of Dixon City Limits	67.1	56.5	63.0	69
30	SR 113	South of I-80	66.7	60.5	67.0	70
31	Air Base Pkwy	East of I-80 (#53)	69.9	61.3	65.8	72
32	Air Base Pkwy	West of RR Tracks (#8)	69.0	60.4	64.9	71
33	Alamo Dr	South of Marshall Rd	65.0	56.4	60.9	67
34	Allison Dr	East of I-80	64.8	56.2	60.7	67
35	American Canyon Rd	At American Canyon City Limits	63.2	54.7	59.2	65
36	Batavia Rd	South of Dixon City Limits	58.7	50.2	54.7	61
37	Benicia Rd	East of Lemon St	64.1	55.5	60.0	66
38	Broadway	North of Tennessee St	66.4	57.8	62.3	68
39	Collinsville Rd		54.8	46.2	50.7	57
40	Columbus Pkwy	North of Tennessee St	65.9	57.3	61.8	68
41	Cordelia Rd	West of Hale Ranch Rd	59.5	51.0	55.5	61
42	Cordelia St	East of Pennsylvania Ave	56.5	48.0	52.5	58
43	Curtola Pkwy	West of Lemon St	68.6	60.0	64.5	70
44	Davis St	South of Bella Vista Rd	61.3	52.7	57.2	63
45	Dixon Ave	East of Gateway Dr	65.9	57.3	61.8	68
46	E Tabor Ave	East of Tolenas Ave (#7)	62.5	54.0	58.5	64
47	Georgia St	West of 14th St	62.5	54.0	58.5	64
48	Lake Herman Rd	East of Columbus Pkwy	62.5	54.0	58.5	64
49	Leisure Town Rd	North of Orange Dr	67.7	59.1	63.6	70
50	Magazine St	West of 6th St	60.2	51.6	56.1	62
51	Mason St-Elmira Rd	East of Peabody Rd	67.1	58.5	63.0	69
52	N Texas St	East of I-80 (#40)	66.7	58.1	62.6	69

Appendix B-12

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

Predicted Levels

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Autos	Medium Trucks	Heavy Trucks	Total
53	North Connector	East of Suisun Valley Rd	66.7	58.1	62.6	69
54	Nut Tree Rd	South of Burtoin Dr	66.2	57.7	62.2	68
55	Oakwood Av	North of Tennessee St	63.5	55.0	59.5	65
56	Peabody Rd	North of Cement Hill Rd	67.7	59.1	63.6	70
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		54.8	46.2	50.7	57
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	64.3	55.7	60.2	66
59	Pitt School Rd	South of Dixon City Limits	54.8	46.2	50.7	57
60	Pitt School Rd	North of Market St	60.8	52.2	56.7	63
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	54.8	46.2	50.7	57
62	Pleasants Valley Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
63	Redwood Pkwy	West of Fairgrounds Dr	68.5	59.9	64.4	70
64	Road 89/Winters Rd (Yolo-Solano Co Line)		60.2	51.6	56.1	62
65	Rockville Rd	east of Suisun Valley Rd	61.8	53.2	57.7	64
66	Sacramento St	north of Tennessee St	63.2	54.7	59.2	65
67	Solano Ave	West of Phelan Ave	62.5	54.0	58.5	64
68	Sonoma Blvd (SR 29)	North of Tennessee St	68.4	59.8	64.3	70
69	Sonoma Blvd (SR 29)	North of I-80	67.4	58.9	63.4	69
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		54.8	46.2	50.7	57
71	Suisun Valley Rd	Solano-Napa County Line	60.2	51.6	56.1	62
72	Sunset Ave	South of Travis Blvd (#16)	66.2	57.7	62.2	68
73	Tennessee St	West of Mariposa St	66.7	58.1	62.6	69
74	Travis Blvd	East of I-80 (#84)	67.9	59.3	63.8	70
75	Tuolumne St	North of Tennessee St	64.3	55.7	60.2	66
76	Vanden Rd	South of Leisure Town Rd	63.8	55.2	59.7	66
77	W Texas St	East of I-80 (#101)	65.6	57.0	61.5	67
78	Wilson Av	North of Tennessee St	65.0	56.4	60.9	67

Appendix C-1

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	192	414	892	1921	4139
2	I-80 (south)	North of SR 37	177	380	820	1766	3804
3	I-80 (north)	East of American Canyon Rd	180	387	834	1797	3871
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	195	419	903	1946	4193
5	I-80	North of Tennessee St	198	426	917	1977	4259
6	I-80	East of Suisun Valley Rd	317	683	1471	3169	6828
7	I-80	East of Pleasants Valley Rd	223	480	1034	2227	4798
8	I-80	East of Leisure Town Rd	174	375	808	1740	3750
9	I-780	West of Military West (Benicia)	149	321	692	1491	3212
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	191	411	885	1908	4110
11	I-680	North of Marshview Rd	120	259	558	1202	2589
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	58	126	270	583	1255
13	I-505	South of Midway Rd	85	182	393	846	1823
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	12	26	57	122	263
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	99	212	458	986	2125
16	SR 37	West of I-80	145	312	673	1449	3123
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	18	40	86	184	397
18	SR 29	Solano-Napa County Line	108	232	500	1077	2321
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	24	53	113	244	526
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	31	66	142	305	657
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	80	172	371	799	1721
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	62	133	287	618	1332
23	SR 12	West of Solano-Napa County Line	93	201	432	931	2006
24	SR 12	West of Beck Ave (Leg A)	110	238	512	1102	2375
25	SR 12	East of Pennsylvania Ave	110	237	511	1100	2371
26	SR 12	East of Scandia Rd	54	116	249	537	1156

Appendix C-2

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	108	232	499	1075	2317
28	SR 113	North of SR 12	24	52	113	243	523
29	SR 113	South of Dixon City Limits	20	42	91	197	425
30	SR 113	South of I-80	46	99	213	458	988
31	Air Base Pkwy	East of I-80 (#53)	57	122	264	568	1224
32	Air Base Pkwy	West of RR Tracks (#8)	41	88	190	409	880
33	Alamo Dr	South of Marshall Rd	30	65	141	303	653
34	Allison Dr	East of I-80	24	51	110	238	513
35	American Canyon Rd	At American Canyon City Limits	14	30	64	137	295
36	Batavia Rd	South of Dixon City Limits	6	13	28	59	128
37	Benicia Rd	East of Lemon St	14	30	64	137	295
38	Broadway	North of Tennessee St	24	51	110	238	513
39	Collinsville Rd		6	13	28	59	128
40	Columbus Pkwy	North of Tennessee St	22	47	101	218	469
41	Cordelia Rd	West of Hale Ranch Rd	16	35	75	162	349
42	Cordelia St	East of Pennsylvania Ave	6	13	28	59	128
43	Curtola Pkwy	West of Lemon St	42	90	193	416	897
44	Davis St	South of Bella Vista Rd	12	27	57	124	267
45	Dixon Ave	East of Gateway Dr	20	42	91	196	423
46	E Tabor Ave	East of Tolenas Ave (#7)	15	32	70	150	323
47	Georgia St	West of 14th St	17	37	81	174	375
48	Lake Herman Rd	East of Columbus Pkwy	11	24	51	110	236
49	Leisure Town Rd	North of Orange Dr	25	53	115	248	534
50	Magazine St	West of 6th St	14	30	64	137	295
51	Mason St-Elmira Rd	East of Peabody Rd	38	81	175	378	814
52	N Texas St	East of I-80 (#40)	31	67	145	312	672

Appendix C-3

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2007 Estimated

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
53	North Connector	East of Suisun Valley Rd	6	13	28	59	128
54	Nut Tree Rd	South of Burtoin Dr	26	55	119	257	555
55	Oakwood Av	North of Tennessee St	16	35	75	162	349
56	Peabody Rd	North of Cement Hill Rd	32	69	149	320	690
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		6	13	28	59	128
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	19	40	86	185	399
59	Pitt School Rd	South of Dixon City Limits	6	13	28	59	128
60	Pitt School Rd	North of Market St	12	27	57	124	267
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	6	13	28	59	128
62	Pleasants Valley Rd (Yolo-Solano Co Line)		6	13	28	59	128
63	Redwood Pkwy	West of Fairgrounds Dr	44	94	203	438	944
64	Road 89/Winters Rd (Yolo-Solano Co Line)		6	13	28	59	128
65	Rockville Rd	east of Suisun Valley Rd	17	37	81	174	375
66	Sacramento St	north of Tennessee St	15	32	70	150	323
67	Solano Ave	West of Phelan Ave	15	32	70	150	323
68	Sonoma Blvd (SR 29)	North of Tennessee St	43	93	200	431	929
69	Sonoma Blvd (SR 29)	North of I-80	31	67	145	312	672
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		6	13	28	59	128
71	Suisun Valley Rd	Solano-Napa County Line	11	24	51	110	236
72	Sunset Ave	South of Travis Blvd (#16)	31	67	145	312	672
73	Tennessee St	West of Mariposa St	32	69	149	320	690
74	Travis Blvd	East of I-80 (#84)	39	83	179	386	831
75	Tuolumne St	North of Tennessee St	19	40	86	185	399
76	Vanden Rd	South of Leisure Town Rd	12	27	57	124	267
77	W Texas St	East of I-80 (#101)	24	51	110	238	513
78	Wilson Av	North of Tennessee St	23	49	106	228	491

Appendix C-4

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Base Model

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	219	472	1017	2190	4719
2	I-80 (south)	North of SR 37	223	481	1036	2232	4809
3	I-80 (north)	East of American Canyon Rd	224	483	1040	2241	4828
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	237	511	1101	2373	5112
5	I-80	North of Tennessee St	217	468	1009	2175	4685
6	I-80	East of Suisun Valley Rd	324	699	1505	3242	6986
7	I-80	East of Pleasants Valley Rd	256	551	1187	2557	5509
8	I-80	East of Leisure Town Rd	205	441	950	2048	4412
9	I-780	West of Military West (Benicia)	172	371	798	1720	3706
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	238	512	1103	2377	5120
11	I-680	North of Marshview Rd	146	315	679	1463	3153
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	104	223	481	1037	2235
13	I-505	South of Midway Rd	121	261	563	1212	2611
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	25	55	118	254	548
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	122	262	565	1217	2623
16	SR 37	West of I-80	164	354	763	1644	3541
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	18	40	86	184	397
18	SR 29	Solano-Napa County Line	120	259	558	1203	2591
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	46	99	214	462	995
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	56	121	261	562	1211
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	96	208	447	963	2076
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	91	195	421	907	1955
23	SR 12	West of Solano-Napa County Line	126	272	586	1262	2720
24	SR 12	West of Beck Ave (Leg A)	157	338	729	1570	3383
25	SR 12	East of Pennsylvania Ave	139	300	647	1394	3004
26	SR 12	East of Scandia Rd	81	175	378	814	1753

Appendix C-5

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Base Model

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	133	286	617	1328	2862
28	SR 113	North of SR 12	36	77	167	359	774
29	SR 113	South of Dixon City Limits	36	78	168	363	782
30	SR 113	South of I-80	49	105	227	489	1053
31	Air Base Pkwy	East of I-80 (#53)	61	131	281	606	1305
32	Air Base Pkwy	West of RR Tracks (#8)	52	112	242	522	1125
33	Alamo Dr	South of Marshall Rd	30	65	141	303	653
34	Allison Dr	East of I-80	28	59	128	276	595
35	American Canyon Rd	At American Canyon City Limits	21	45	96	207	446
36	Batavia Rd	South of Dixon City Limits	6	13	28	59	128
37	Benicia Rd	East of Lemon St	26	55	119	257	555
38	Broadway	North of Tennessee St	35	76	164	354	762
39	Collinsville Rd		6	13	28	59	128
40	Columbus Pkwy	North of Tennessee St	34	73	157	337	727
41	Cordelia Rd	West of Hale Ranch Rd	15	32	70	150	323
42	Cordelia St	East of Pennsylvania Ave	9	20	44	94	203
43	Curtola Pkwy	West of Lemon St	49	107	230	495	1066
44	Davis St	South of Bella Vista Rd	16	35	75	162	349
45	Dixon Ave	East of Gateway Dr	29	61	132	285	615
46	E Tabor Ave	East of Tolenas Ave (#7)	20	42	91	196	423
47	Georgia St	West of 14th St	20	42	91	196	423
48	Lake Herman Rd	East of Columbus Pkwy	20	42	91	196	423
49	Leisure Town Rd	North of Orange Dr	40	86	186	401	864
50	Magazine St	West of 6th St	15	32	70	150	323
51	Mason St-Elmira Rd	East of Peabody Rd	39	85	183	393	847
52	N Texas St	East of I-80 (#40)	36	78	168	362	780

Appendix C-6

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Base Model

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
53	North Connector	East of Suisun Valley Rd	37	80	172	370	797
54	Nut Tree Rd	South of Burtoin Dr	33	71	153	329	709
55	Oakwood Av	North of Tennessee St	23	49	106	228	491
56	Peabody Rd	North of Cement Hill Rd	45	96	207	446	960
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		6	13	28	59	128
58	Petrified Forest Rd (Sonoma-Napa Co Line) At Sonoma-Napa County Line		26	55	119	257	555
59	Pitt School Rd	South of Dixon City Limits	6	13	28	59	128
60	Pitt School Rd	North of Market St	15	32	70	150	323
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	6	13	28	59	128
62	Pleasants Valley Rd (Yolo-Solano Co Line)		6	13	28	59	128
63	Redwood Pkwy	West of Fairgrounds Dr	49	105	227	488	1052
64	Road 89/Winters Rd (Yolo-Solano Co Line)		14	30	64	137	295
65	Rockville Rd	east of Suisun Valley Rd	17	37	81	174	375
66	Sacramento St	north of Tennessee St	22	47	101	218	469
67	Solano Ave	West of Phelan Ave	21	45	96	207	446
68	Sonoma Blvd (SR 29)	North of Tennessee St	48	104	223	481	1037
69	Sonoma Blvd (SR 29)	North of I-80	41	88	190	409	880
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		6	13	28	59	128
71	Suisun Valley Rd	Solano-Napa County Line	14	30	64	137	295
72	Sunset Ave	South of Travis Blvd (#16)	35	74	160	346	745
73	Tennessee St	West of Mariposa St	37	80	172	370	797
74	Travis Blvd	East of I-80 (#84)	44	94	203	438	944
75	Tuolumne St	North of Tennessee St	26	55	119	257	555
76	Vanden Rd	South of Leisure Town Rd	24	51	110	238	513
77	W Texas St	East of I-80 (#101)	34	73	157	337	727
78	Wilson Av	North of Tennessee St	29	61	132	285	615

Appendix C-7

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	222	479	1031	2221	4786
2	I-80 (south)	North of SR 37	222	479	1032	2223	4789
3	I-80 (north)	East of American Canyon Rd	223	481	1036	2232	4809
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	236	509	1097	2364	5093
5	I-80	North of Tennessee St	217	468	1009	2175	4685
6	I-80	East of Suisun Valley Rd	323	697	1501	3234	6968
7	I-80	East of Pleasants Valley Rd	256	551	1187	2557	5509
8	I-80	East of Leisure Town Rd	209	450	969	2088	4499
9	I-780	West of Military West (Benicia)	171	368	794	1710	3684
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	235	506	1091	2350	5063
11	I-680	North of Marshview Rd	146	315	679	1463	3153
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	104	223	481	1037	2235
13	I-505	South of Midway Rd	125	268	578	1245	2683
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	25	55	118	254	548
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	120	259	557	1200	2586
16	SR 37	West of I-80	163	352	758	1632	3516
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	18	40	86	184	397
18	SR 29	Solano-Napa County Line	122	262	565	1216	2621
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	46	99	214	462	995
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	56	121	261	562	1211
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	96	208	447	963	2076
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	91	195	421	907	1955
23	SR 12	West of Solano-Napa County Line	125	269	579	1248	2690
24	SR 12	West of Beck Ave (Leg A)	157	338	729	1570	3383
25	SR 12	East of Pennsylvania Ave	139	300	647	1394	3004
26	SR 12	East of Scandia Rd	83	179	387	833	1794

Appendix C-8

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	133	286	617	1328	2862
28	SR 113	North of SR 12	36	77	167	359	774
29	SR 113	South of Dixon City Limits	36	78	168	363	782
30	SR 113	South of I-80	49	105	227	489	1053
31	Air Base Pkwy	East of I-80 (#53)	61	131	281	606	1305
32	Air Base Pkwy	West of RR Tracks (#8)	52	112	242	522	1125
33	Alamo Dr	South of Marshall Rd	30	65	141	303	653
34	Allison Dr	East of I-80	28	59	128	276	595
35	American Canyon Rd	At American Canyon City Limits	21	45	96	207	446
36	Batavia Rd	South of Dixon City Limits	9	20	44	94	203
37	Benicia Rd	East of Lemon St	27	57	124	267	575
38	Broadway	North of Tennessee St	35	76	164	354	762
39	Collinsville Rd		6	13	28	59	128
40	Columbus Pkwy	North of Tennessee St	34	73	157	337	727
41	Cordelia Rd	West of Hale Ranch Rd	14	30	64	137	295
42	Cordelia St	East of Pennsylvania Ave	8	17	36	78	168
43	Curtola Pkwy	West of Lemon St	49	107	230	495	1066
44	Davis St	South of Bella Vista Rd	16	35	75	162	349
45	Dixon Ave	East of Gateway Dr	32	69	149	320	690
46	E Tabor Ave	East of Tolenas Ave (#7)	20	42	91	196	423
47	Georgia St	West of 14th St	20	42	91	196	423
48	Lake Herman Rd	East of Columbus Pkwy	19	40	86	185	399
49	Leisure Town Rd	North of Orange Dr	42	90	193	416	897
50	Magazine St	West of 6th St	15	32	70	150	323
51	Mason St-Elmira Rd	East of Peabody Rd	39	85	183	393	847
52	N Texas St	East of I-80 (#40)	37	80	172	370	797

Appendix C-9

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Estimated Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
53	North Connector	East of Suisun Valley Rd	37	80	172	370	797
54	Nut Tree Rd	South of Burtoin Dr	34	73	157	337	727
55	Oakwood Av	North of Tennessee St	23	49	106	228	491
56	Peabody Rd	North of Cement Hill Rd	43	93	200	431	929
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		6	13	28	59	128
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	26	55	119	257	555
59	Pitt School Rd	South of Dixon City Limits	6	13	28	59	128
60	Pitt School Rd	North of Market St	15	32	70	150	323
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	6	13	28	59	128
62	Pleasants Valley Rd (Yolo-Solano Co Line)		6	13	28	59	128
63	Redwood Pkwy	West of Fairgrounds Dr	49	105	227	488	1052
64	Road 89/Winters Rd (Yolo-Solano Co Line)		14	30	64	137	295
65	Rockville Rd	east of Suisun Valley Rd	17	37	81	174	375
66	Sacramento St	north of Tennessee St	24	51	110	238	513
67	Solano Ave	West of Phelan Ave	21	45	96	207	446
68	Sonoma Blvd (SR 29)	North of Tennessee St	48	104	223	481	1037
69	Sonoma Blvd (SR 29)	North of I-80	41	88	190	409	880
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		6	13	28	59	128
71	Suisun Valley Rd	Solano-Napa County Line	14	30	64	137	295
72	Sunset Ave	South of Travis Blvd (#16)	35	74	160	346	745
73	Tennessee St	West of Mariposa St	38	81	175	378	814
74	Travis Blvd	East of I-80 (#84)	45	98	210	453	976
75	Tuolumne St	North of Tennessee St	26	55	119	257	555
76	Vanden Rd	South of Leisure Town Rd	24	51	110	238	513
77	W Texas St	East of I-80 (#101)	32	69	149	320	690
78	Wilson Av	North of Tennessee St	29	61	132	285	615

Appendix C-10

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
1	I-80 (Yolo-Solano Co Line)	Solano Yolo County Line	222	479	1031	2221	4786
2	I-80 (south)	North of SR 37	222	479	1032	2223	4789
3	I-80 (north)	East of American Canyon Rd	223	481	1036	2232	4809
4	I-80 (Alameda-Solano Co Line)	At Carquinez Bridge	236	509	1097	2364	5093
5	I-80	North of Tennessee St	216	466	1005	2165	4664
6	I-80	East of Suisun Valley Rd	323	697	1501	3234	6968
7	I-80	East of Pleasants Valley Rd	257	553	1191	2566	5529
8	I-80	East of Leisure Town Rd	212	456	983	2118	4564
9	I-780	West of Military West (Benicia)	171	368	794	1710	3684
10	I-680 (Contra Costa-Solano Co Line)	At Benicia Bridge	238	512	1103	2377	5120
11	I-680	North of Marshview Rd	146	315	679	1463	3153
12	I-505 (Yolo-Solano Co Line)	North of Allendale Rd Interchange	106	227	490	1055	2274
13	I-505	South of Midway Rd	126	272	586	1262	2719
14	SR 84 (Yolo-Solano Co Line)	At Solano-Yolo County Line	25	55	118	254	548
15	SR 37 (Sonoma-Solano Co Line)	East of Walnut Ave (Mare Island)	120	259	557	1200	2586
16	SR 37	West of I-80	163	352	758	1632	3516
17	SR 29 (Lake-Napa Co Line)	South of Lake-Napa County Line	18	40	86	184	397
18	SR 29	Solano-Napa County Line	122	262	565	1216	2621
19	SR 128 (Yolo-Solano Co Line)	East of Jct Rte 121 South	49	105	225	485	1045
20	SR 128 (Sonoma-Napa Co Line)	East of Franz Valley Rd (Kellogg)	56	121	261	562	1211
21	SR 12-121 (Sonoma-Napa Co Line)	West of Old Sonoma Rd	96	208	447	963	2076
22	SR 12 (Sacramento-Solano Co Line)	East of Jct Rte 84 North	91	195	421	907	1955
23	SR 12	West of Solano-Napa County Line	125	269	579	1248	2690
24	SR 12	West of Beck Ave (Leg A)	157	338	729	1570	3383
25	SR 12	East of Pennsylvania Ave	139	300	647	1394	3004
26	SR 12	East of Scandia Rd	87	188	404	871	1876

Appendix C-11

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
27	SR 113 (Yolo-Solano Co Line)	North of I-80 (near Davis)	135	292	628	1353	2916
28	SR 113	North of SR 12	39	83	179	386	831
29	SR 113	South of Dixon City Limits	39	83	180	387	833
30	SR 113	South of I-80	49	105	227	489	1053
31	Air Base Pkwy	East of I-80 (#53)	61	131	281	606	1305
32	Air Base Pkwy	West of RR Tracks (#8)	53	114	245	529	1139
33	Alamo Dr	South of Marshall Rd	29	61	132	285	615
34	Allison Dr	East of I-80	28	59	128	276	595
35	American Canyon Rd	At American Canyon City Limits	22	47	101	218	469
36	Batavia Rd	South of Dixon City Limits	11	24	51	110	236
37	Benicia Rd	East of Lemon St	25	53	115	248	534
38	Broadway	North of Tennessee St	35	76	164	354	762
39	Collinsville Rd		6	13	28	59	128
40	Columbus Pkwy	North of Tennessee St	33	71	153	329	709
41	Cordelia Rd	West of Hale Ranch Rd	12	27	57	124	267
42	Cordelia St	East of Pennsylvania Ave	8	17	36	78	168
43	Curtola Pkwy	West of Lemon St	49	107	230	495	1066
44	Davis St	South of Bella Vista Rd	16	35	75	162	349
45	Dixon Ave	East of Gateway Dr	33	71	153	329	709
46	E Tabor Ave	East of Tolenas Ave (#7)	20	42	91	196	423
47	Georgia St	West of 14th St	20	42	91	196	423
48	Lake Herman Rd	East of Columbus Pkwy	20	42	91	196	423
49	Leisure Town Rd	North of Orange Dr	43	93	200	431	929
50	Magazine St	West of 6th St	14	30	64	137	295
51	Mason St-Elmira Rd	East of Peabody Rd	39	85	183	393	847
52	N Texas St	East of I-80 (#40)	37	80	172	370	797

Appendix C-12

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

Noise Contour Output

Project #: 2008-020 Solano County General Plan EIR

Description: 2030 Maximum Scenario

Ldn/CNEL: Ldn

Hard/Soft: Soft

Segment	Roadway Name	Segment Description	----- Distances to Traffic Noise Contours -----				
			75	70	65	60	55
53	North Connector	East of Suisun Valley Rd	37	80	172	370	797
54	Nut Tree Rd	South of Burtoin Dr	35	74	160	346	745
55	Oakwood Av	North of Tennessee St	23	49	106	228	491
56	Peabody Rd	North of Cement Hill Rd	43	93	200	431	929
57	Pedrick Rd-Road 98 (Yolo-Solano Co Line)		6	13	28	59	128
58	Petrified Forest Rd (Sonoma-Napa Co Line)	At Sonoma-Napa County Line	26	55	119	257	555
59	Pitt School Rd	South of Dixon City Limits	6	13	28	59	128
60	Pitt School Rd	North of Market St	15	32	70	150	323
61	Pleasants Valley Rd	North of Vaca Valley Pkwy	6	13	28	59	128
62	Pleasants Valley Rd (Yolo-Solano Co Line)		6	13	28	59	128
63	Redwood Pkwy	West of Fairgrounds Dr	49	105	227	488	1052
64	Road 89/Winters Rd (Yolo-Solano Co Line)		14	30	64	137	295
65	Rockville Rd	east of Suisun Valley Rd	17	37	81	174	375
66	Sacramento St	north of Tennessee St	22	47	101	218	469
67	Solano Ave	West of Phelan Ave	20	42	91	196	423
68	Sonoma Blvd (SR 29)	North of Tennessee St	48	104	223	481	1037
69	Sonoma Blvd (SR 29)	North of I-80	42	90	193	416	897
70	Stevenson Bridge Rd (Yolo-Solano Co Line)		6	13	28	59	128
71	Suisun Valley Rd	Solano-Napa County Line	14	30	64	137	295
72	Sunset Ave	South of Travis Blvd (#16)	35	74	160	346	745
73	Tennessee St	West of Mariposa St	37	80	172	370	797
74	Travis Blvd	East of I-80 (#84)	45	96	207	446	960
75	Tuolumne St	North of Tennessee St	26	55	119	257	555
76	Vanden Rd	South of Leisure Town Rd	24	51	110	238	513
77	W Texas St	East of I-80 (#101)	31	67	145	312	672
78	Wilson Av	North of Tennessee St	29	61	132	285	615