

A.2 Noise Appendix

Table A.2-1 Existing roadway noise inputs

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet**

Project #: Seattle Comp Plan
 Description: Existing
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Interstate 5	At Albro (Sectors 7 & 8)	183,000	83		17	4	4	65	150	
2	Interstate 5	At Union (Sector 4)	206,000	83		17	3	3	65	150	
3	Interstate 5	At 45th Street (Sector 2)	170,000	83		17	3	3	65	150	
4	Interstate 5	At 130th Street (Sector 2)	193,000	83		17	3	3	65	150	
5	Interstate 90	At Lakeside Sve. (Sectors 5 & 8)	133,000	85		15	2	1	60	150	
6	SR 99	At 82nd Street (Sector 1)	42,000	85		15	3	1	60	150	
7	SR99	At 40th Street (Sector 3)	42,000	85		15	3	1	60	150	
8	SR 99	At Cloverdale (Sector 7)	29,000	85		15	3	1	60	150	
9	SR 513	At 45th (Sector 2)	27,000	85		15	3	1	35	150	
10	SR 520	At SR 513 (Sector 5)	42,000	85		15	3	1	50	150	
11	SR 522	At 98th (Sector 2)	33,000	85		15	5	2	35	150	
12	SR 523	At 30th (Sector 2)	27,000	85		15	3	1	35	150	

Table A.2-2 Existing roadway noise outputs

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: Seattle Comp Plan
 Description: Existing
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----				
				75	70	65	60	55
1	Interstate 5	At Albro (Sectors 7 & 8)	78.1	243	523	1126	2426	5226
2	Interstate 5	At Union (Sector 4)	78.3	249	536	1154	2487	5359
3	Interstate 5	At 45th Street (Sector 2)	77.5	219	471	1016	2188	4714
4	Interstate 5	At 130th Street (Sector 2)	78.0	238	513	1105	2381	5131
5	Interstate 90	At Lakeside Sve. (Sectors 5 & 8)	74.5	139	299	643	1386	2986
6	SR 99	At 82nd Street (Sector 1)	69.6	66	141	304	656	1413
7	SR99	At 40th Street (Sector 3)	69.6	66	141	304	656	1413
8	SR 99	At Cloverdale (Sector 7)	68.0	51	110	238	512	1104
9	SR 513	At 45th (Sector 2)	62.0	21	44	95	205	442
10	SR 520	At SR 513 (Sector 5)	67.6	48	104	224	483	1041
11	SR 522	At 98th (Sector 2)	64.0	28	60	130	279	602
12	SR 523	At 30th (Sector 2)	62.0	21	44	95	205	442

A.2 Noise

Table A.2-3 Alternatives 1 and 4 roadway noise inputs

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
 Data Input Sheet**

Project #: Seattle Comp Plan
 Description: 2035 Alt 1 and Alt 4
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Interstate 5	At Albro (Sectors 7 & 8)	198,210	83		17	4	4	65	150	
2	Interstate 5	At Union (Sector 4)	223,122	83		17	3	3	65	150	
3	Interstate 5	At 45th Street (Sector 2)	184,129	83		17	3	3	65	150	
4	Interstate 5	At 130th Street (Sector 2)	209,041	83		17	3	3	65	150	
5	Interstate 90	At Lakeside Sve. (Sectors 5 & 8)	144,054	85		15	2	1	60	150	
6	SR 99	At 82nd Street (Sector 1)	45,491	85		15	3	1	60	150	
7	SR99	At 40th Street (Sector 3)	45,491	85		15	3	1	60	150	
8	SR 99	At Cloverdale (Sector 7)	31,410	85		15	3	1	60	150	
9	SR 513	At 45th (Sector 2)	29,244	85		15	3	1	35	150	
10	SR 520	At SR 513 (Sector 5)	45,491	85		15	3	1	50	150	
11	SR 522	At 98th (Sector 2)	35,743	85		15	5	2	35	150	
12	SR 523	At 30th (Sector 2)	29,244	85		15	3	1	35	150	

Table A.2-4 Alternatives 1 and 4 roadway noise outputs

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
 Output Summary Sheet**

Project #: Seattle Comp Plan
 Description: 2035 Alt 1 and Alt 4
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----				
				75	70	65	60	55
1	Interstate 5	At Albro (Sectors 7 & 8)	78.5	256	551	1187	2558	5512
2	Interstate 5	At Union (Sector 4)	78.6	262	565	1218	2623	5651
3	Interstate 5	At 45th Street (Sector 2)	77.8	231	497	1071	2308	4972
4	Interstate 5	At 130th Street (Sector 2)	78.4	251	541	1166	2512	5411
5	Interstate 90	At Lakeside Sve. (Sectors 5 & 8)	74.8	146	315	678	1462	3149
6	SR 99	At 82nd Street (Sector 1)	70.0	69	149	321	692	1490
7	SR99	At 40th Street (Sector 3)	70.0	69	149	321	692	1490
8	SR 99	At Cloverdale (Sector 7)	68.3	54	116	251	540	1164
9	SR 513	At 45th (Sector 2)	62.4	22	47	100	216	466
10	SR 520	At SR 513 (Sector 5)	68.0	51	110	236	509	1098
11	SR 522	At 98th (Sector 2)	64.4	29	63	137	295	635
12	SR 523	At 30th (Sector 2)	62.4	22	47	100	216	466

A.2 Noise**Table A.2-5** Alternative 2 roadway noise inputs**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Data Input Sheet**

Project #: Seattle Comp Plan
 Description: 2035 Alt 2
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Interstate 5	At Albro (Sectors 7 & 8)	196,637	83		17	4	4	65	150	
2	Interstate 5	At Union (Sector 4)	221,350	83		17	3	3	65	150	
3	Interstate 5	At 45th Street (Sector 2)	182,668	83		17	3	3	65	150	
4	Interstate 5	At 130th Street (Sector 2)	207,382	83		17	3	3	65	150	
5	Interstate 90	At Lakeside Svc. (Sectors 5 & 8)	142,911	85		15	2	1	60	150	
6	SR 99	At 82nd Street (Sector 1)	45,130	85		15	3	1	60	150	
7	SR99	At 40th Street (Sector 3)	45,130	85		15	3	1	60	150	
8	SR 99	At Cloverdale (Sector 7)	31,161	85		15	3	1	60	150	
9	SR 513	At 45th (Sector 2)	29,012	85		15	3	1	35	150	
10	SR 520	At SR 513 (Sector 5)	45,130	85		15	3	1	50	150	
11	SR 522	At 98th (Sector 2)	35,459	85		15	5	2	35	150	
12	SR 523	At 30th (Sector 2)	29,012	85		15	3	1	35	150	

Table A.2-6 Alternative 2 roadway noise outputs**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
Output Summary Sheet**

Project #: Seattle Comp Plan
 Description: 2035 Alt 2
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----				
				75	70	65	60	55
1	Interstate 5	At Albro (Sectors 7 & 8)	78.4	254	548	1181	2545	5483
2	Interstate 5	At Union (Sector 4)	78.6	261	562	1211	2609	5622
3	Interstate 5	At 45th Street (Sector 2)	77.8	230	495	1066	2296	4946
4	Interstate 5	At 130th Street (Sector 2)	78.3	250	538	1160	2498	5382
5	Interstate 90	At Lakeside Svc. (Sectors 5 & 8)	74.8	145	313	675	1454	3132
6	SR 99	At 82nd Street (Sector 1)	69.9	69	148	319	688	1482
7	SR99	At 40th Street (Sector 3)	69.9	69	148	319	688	1482
8	SR 99	At Cloverdale (Sector 7)	68.3	54	116	249	537	1158
9	SR 513	At 45th (Sector 2)	62.3	22	46	100	215	464
10	SR 520	At SR 513 (Sector 5)	67.9	51	109	235	507	1092
11	SR 522	At 98th (Sector 2)	64.4	29	63	136	293	631
12	SR 523	At 30th (Sector 2)	62.3	22	46	100	215	464

A.2 Noise

Table A.2-7 Alternative 3 roadway noise inputs

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
 Data Input Sheet**

Project #: Seattle Comp Plan
 Description: 2035 Alt 3
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	% Med. Trucks	% Hvy. Trucks	Speed	Distance	Offset (dB)
1	Interstate 5	At Albro (Sectors 7 & 8)	197,422	83		17	4	4	65	150	
2	Interstate 5	At Union (Sector 4)	222,234	83		17	3	3	65	150	
3	Interstate 5	At 45th Street (Sector 2)	183,397	83		17	3	3	65	150	
4	Interstate 5	At 130th Street (Sector 2)	208,210	83		17	3	3	65	150	
5	Interstate 90	At Lakeside Svc. (Sectors 5 & 8)	143,481	85		15	2	1	60	150	
6	SR 99	At 82nd Street (Sector 1)	45,310	85		15	3	1	60	150	
7	SR99	At 40th Street (Sector 3)	45,310	85		15	3	1	60	150	
8	SR 99	At Cloverdale (Sector 7)	31,285	85		15	3	1	60	150	
9	SR 513	At 45th (Sector 2)	29,128	85		15	3	1	35	150	
10	SR 520	At SR 513 (Sector 5)	45,310	85		15	3	1	50	150	
11	SR 522	At 98th (Sector 2)	35,601	85		15	5	2	35	150	
12	SR 523	At 30th (Sector 2)	29,128	85		15	3	1	35	150	

Table A.2-8 Alternative 3 roadway noise outputs

**FHWA-RD-77-108 Highway Traffic Noise Prediction Model
 Output Summary Sheet**

Project #: Seattle Comp Plan
 Description: 2035 Alt 3
 Ldn/CNEL: Ldn
 Hard/Soft: Soft

Segment	Roadway Name	Segment Description	Ldn	----- Distances to Traffic Noise Contours -----				
				75	70	65	60	55
1	Interstate 5	At Albro (Sectors 7 & 8)	78.5	255	550	1184	2552	5497
2	Interstate 5	At Union (Sector 4)	78.6	262	564	1214	2616	5636
3	Interstate 5	At 45th Street (Sector 2)	77.8	230	496	1068	2302	4959
4	Interstate 5	At 130th Street (Sector 2)	78.3	250	540	1163	2505	5397
5	Interstate 90	At Lakeside Svc. (Sectors 5 & 8)	74.8	146	314	677	1458	3141
6	SR 99	At 82nd Street (Sector 1)	69.9	69	149	320	690	1486
7	SR99	At 40th Street (Sector 3)	69.9	69	149	320	690	1486
8	SR 99	At Cloverdale (Sector 7)	68.3	54	116	250	539	1161
9	SR 513	At 45th (Sector 2)	62.4	22	46	100	216	465
10	SR 520	At SR 513 (Sector 5)	67.9	51	109	236	508	1095
11	SR 522	At 98th (Sector 2)	64.4	29	63	136	294	633
12	SR 523	At 30th (Sector 2)	62.4	22	46	100	216	465