

Attachment N.3G
Tables of Vibration Predictions

This page is intentionally left blank.

Table N.3G-1. Summary of Vibration Analysis – Preferred South Crossing Alternative (DUW-1a)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	109	5	66	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	133	5	66	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	153	5	66	72	none	not applicable	not applicable	not applicable
WS5541	7966600105	3646 22nd Avenue Southwest	2	1	40	67	10	72	72	<1	not applicable	not applicable	not applicable
WS5540	7966600115	3636 22nd Avenue Southwest	2	1	40	91	10	71	72	none	not applicable	not applicable	not applicable
WS5537	7966600120	3638 22nd Avenue Southwest	2	1	40	114	5	66	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	30	112	3	57	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	30	224	3	56	72	none	not applicable	not applicable	not applicable
WS6817	7666702200	3431 11th Avenue Southwest	1	1	55	687	0	Cat 1	Cat 1	See Attachment H	not applicable	not applicable	not applicable
WS5586	9349900110	3706 20th Avenue Southwest	2	1	40	98	3	71	72	none	not applicable	not applicable	not applicable
WS5585	9349900115	3708 20th Avenue Southwest	2	1	40	123	3	69	72	none	not applicable	not applicable	not applicable
WS5584	9349900120	3710 20th Avenue Southwest	2	1	40	149	3	67	72	none	not applicable	not applicable	not applicable
WS5591	9349900170	3711 19th Avenue Southwest	2	1	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS5601	9349900225	3712 19th Avenue Southwest	2	1	40	124	3	64	72	none	not applicable	not applicable	not applicable
WS5600	9349900235	3720 19th Avenue Southwest	2	1	55	185	0	65	72	none	not applicable	not applicable	not applicable
WS10046	7674800085	3224 4th Avenue South	2	1	45	172	5	73	72	1	not applicable	not applicable	not applicable
WS12012	1324039043	3600 23rd Avenue Southwest	2	1	40	157	5	65	72	none	not applicable	not applicable	not applicable
WS5561	9349900041	2068 Southwest Charlestown Street	2	1	40	145	3	68	72	none	not applicable	not applicable	not applicable
WS5567	9349900074	3713 20th Avenue Southwest	2	1	40	164	3	67	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-2. Summary of Vibration Analysis – Preferred South Crossing Alternative (DUW-1a Option 4)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	148	0	61	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	169	0	60	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	186	0	60	72	none	not applicable	not applicable	not applicable
WS5541	7966600105	3646 22nd Avenue Southwest	2	1	40	98	5	66	72	none	not applicable	not applicable	not applicable
WS5540	7966600115	3636 22nd Avenue Southwest	2	1	40	125	5	66	72	none	not applicable	not applicable	not applicable
WS5537	7966600120	3638 22nd Avenue Southwest	2	1	40	149	0	61	72	none	not applicable	not applicable	not applicable
WS6817	7666702200	3431 11th Avenue Southwest	1	1	55	1613	0	Cat 1	Cat 1	See Attachment H	not applicable	not applicable	not applicable
WS5586	9349900110	3706 20th Avenue Southwest	2	1	40	101.5656	3	64.03022	72	none	not applicable	not applicable	not applicable
WS5585	9349900115	3708 20th Avenue Southwest	2	1	40	126.7229	3	63.75684	72	none	not applicable	not applicable	not applicable
WS5584	9349900120	3710 20th Avenue Southwest	2	1	40	152.4494	3	63.52852	72	none	not applicable	not applicable	not applicable
WS5591	9349900170	3711 19th Avenue Southwest	2	1	40	140.5879	3	63.62858	72	none	not applicable	not applicable	not applicable
WS5601	9349900225	3712 19th Avenue Southwest	2	1	40	133.7809	3	63.68989	72	none	not applicable	not applicable	not applicable
WS5600	9349900235	3720 19th Avenue Southwest	2	1	55	193.8643	0	64.83164	72	none	not applicable	not applicable	not applicable
WS10046	7674800085	3224 4th Avenue South	2	1	45	6978.426	0	63.505	72	none	not applicable	not applicable	not applicable
WS12012	1324039043	3600 23rd Avenue Southwest	2	1	40	105.7228	0	60.98066	72	none	not applicable	not applicable	not applicable
WS5561	9349900041	2068 Southwest Charlestown Street	2	1	40	135.2466	5	65.67643	72	none	not applicable	not applicable	not applicable
WS5567	9349900074	3713 20th Avenue Southwest	2	1	40	151.3983	5	65.53707	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-3. Summary of Vibration Analysis – South Crossing South Edge Crossing Alignment Option (DUW-1b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1226	2848700015	3805 Delridge Way Southwest	3	1	40	69	3	65	78	none	not applicable	not applicable	not applicable
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	85	3	64	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	103	3	64	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	118	3	64	72	none	not applicable	not applicable	not applicable
WS5541	7966600105	3646 22nd Avenue Southwest	2	1	40	89	3	64	72	none	not applicable	not applicable	not applicable
WS5540	7966600115	3636 22nd Avenue Southwest	2	1	40	112	3	64	72	none	not applicable	not applicable	not applicable
WS5537	7966600120	3638 22nd Avenue Southwest	2	1	40	133	3	64	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	40	230	3	63	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	40	161	3	63	72	none	not applicable	not applicable	not applicable
WS6817	7666702200	3431 Southwest Spokane Street	1	1	55	1087	0	Category 1	other	Category 1	not applicable	not applicable	not applicable
WS5585	9349900115	3708 20th Avenue Southwest	2	1	40	128	3	64	72	none	not applicable	not applicable	not applicable
WS5584	9349900120	3710 20th Avenue Southwest	2	1	40	154	3	64	72	none	not applicable	not applicable	not applicable
WS5591	9349900170	3711 19th Avenue Southwest	2	1	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS5601	9349900225	3712 19th Avenue Southwest	2	1	40	110	3	64	72	none	not applicable	not applicable	not applicable
WS5600	9349900235	3720 19th Avenue Southwest	2	1	40	164	3	63	72	none	not applicable	not applicable	not applicable
WS10046	7674800085	3224 4th Avenue South	2	1	45	210	3	71	72	none	not applicable	not applicable	not applicable
WS12012	1324039043	3600 23rd Avenue Southwest	2	1	40	130	3	64	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-4. Summary of Vibration Analysis – North Crossing Alternative (DUW-2)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1226	2848700015	3805 Delridge Way Southwest	3	1	40	195	3	63	78	none	not applicable	not applicable	not applicable
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	365	3	62	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	372	3	62	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	377	3	62	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	40	344	3	63	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	40	340	3	63	72	none	not applicable	not applicable	not applicable
WS1234	7966600080	3631 22nd Avenue Southwest	2	1	40	340	3	63	72	none	not applicable	not applicable	not applicable
WS5541	7966600105	3646 22nd Avenue Southwest	2	1	40	460	3	62	72	none	not applicable	not applicable	not applicable
WS5540	7966600115	3636 22nd Avenue Southwest	2	1	40	473	3	62	72	none	not applicable	not applicable	not applicable
WS5537	7966600120	3638 22nd Avenue Southwest	2	1	40	485	3	62	72	none	not applicable	not applicable	not applicable
WS5542	7966600095	3624 22nd Avenue Southwest	2	1	40	409	3	62	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	40	37	3	70	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	40	325	3	63	72	none	not applicable	not applicable	not applicable
WS6817	7666702200	3431 Southwest Spokane Street	1	1	55	85	0	Category 1	other	Category 1	not applicable	not applicable	not applicable
WS5544	7966600135	3711 21st Avenue Southwest	2	1	40	482	3	62	72	none	not applicable	not applicable	not applicable
WS5564	9349900005	2060 Southwest Charlestown Street	2	1	40	506	3	62	72	none	not applicable	not applicable	not applicable
WS5564	9349900005	2060 Southwest Charlestown Street	2	1	40	539	3	62	72	none	not applicable	not applicable	not applicable
WS5564	9349900005	2060 Southwest Charlestown Street	2	1	40	586	3	62	72	none	not applicable	not applicable	not applicable
WS5564	9349900005	2060 Southwest Charlestown Street	2	1	40	562	3	62	72	none	not applicable	not applicable	not applicable
WS5564	9349900005	2060 Southwest Charlestown Street	2	1	40	566	3	62	72	none	not applicable	not applicable	not applicable
WS5570	9349900080	3709 20th Avenue Southwest	2	1	40	569	3	62	72	none	not applicable	not applicable	not applicable
WS5571	9349900075	3707 20th Avenue Southwest	2	1	40	579	3	62	72	none	not applicable	not applicable	not applicable
WS5587	9349900105	3704 20th Avenue Southwest	2	1	40	550	0	59	72	none	not applicable	not applicable	not applicable
WS5586	9349900110	3706 20th Avenue Southwest	2	1	40	585	0	59	72	none	not applicable	not applicable	not applicable
WS5585	9349900115	3708 20th Avenue Southwest	2	1	40	610	0	59	72	none	not applicable	not applicable	not applicable
WS5584	9349900120	3710 20th Avenue Southwest	2	1	40	636	0	59	72	none	not applicable	not applicable	not applicable
WS5592	9349900195	3617 19th Avenue Southwest	2	1	55	544	0	64	72	none	not applicable	not applicable	not applicable
WS5591	9349900170	3711 19th Avenue Southwest	2	1	55	621	0	63	72	none	not applicable	not applicable	not applicable
WS5601	9349900225	3712 19th Avenue Southwest	2	1	55	633	0	63	72	none	not applicable	not applicable	not applicable
WS5600	9349900235	3720 19th Avenue Southwest	2	1	55	699	0	63	72	none	not applicable	not applicable	not applicable
WS10046	7674800085	3224 4th Avenue South	2	1	45	158	3	71	72	none	not applicable	not applicable	not applicable
WS12012	1324039043	3600 23rd Avenue Southwest	2	1	40	205	3	63	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-5. Summary of Vibration Analysis – Dakota Street Station Alternative (DEL-1a)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	124	3	64	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	126	3	64	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	130	3	64	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	40	162	3	63	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	40	185	3	63	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	40	153	3	64	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	40	119	3	64	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	694	3	54	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	544	0	52	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	508	0	52	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	580	0	51	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	536	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	474	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	421	0	52	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	303	0	52	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	35	213	0	57	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	45	130	3	71	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	45	44	3	72	72	<1	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	35	54	3	62	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	35	75	3	62	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	35	124	3	61	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	190	0	53	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	256	0	52	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	313	0	52	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	404	0	52	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	478	0	52	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	30	520	0	52	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	35	91	0	58	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	35	77	3	62	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	35	90	3	61	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	35	153	3	61	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	35	191	3	60	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	35	227	3	60	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	35	265	3	60	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	35	299	3	60	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	35	337	3	60	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	35	371	3	60	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	35	407	3	60	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	35	434	3	59	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	30	369	0	52	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	30	278	0	52	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	273	0	52	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	351	0	52	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	30	406	0	52	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	30	325	0	52	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	30	252	0	53	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	217	0	53	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	243	0	53	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	295	0	52	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	326	0	52	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	35	395	3	60	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	35	25	3	69	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	79	0	54	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	126	0	53	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	163	0	53	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	205	0	53	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	30	285	0	52	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	30	324	0	52	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	30	366	0	52	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	30	404	0	52	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	35	160	0	58	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	35	239	0	57	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	35	278	0	57	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	45	316	3	70	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	45	355	3	70	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	45	416	3	70	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	45	472	3	69	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	45	540	3	69	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	45	610	3	69	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	45	665	3	69	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	45	716	3	69	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	45	748	3	69	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	45	778	3	69	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	45	794	3	69	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	45	819	3	69	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7190	9297300845	3018 Southwest Avalon Way	2	2	45	856	3	69	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	45	885	3	69	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	45	931	3	69	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	45	965	0	66	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	45	1107	0	66	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	45	1121	3	68	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	45	1163	0	66	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	45	1198	0	66	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	45	1246	0	66	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	45	1021	0	66	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	45	1023	0	66	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	45	1023	0	66	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	45	1024	0	66	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	45	1012	0	66	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	45	1018	0	66	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	45	1017	0	66	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	45	983	0	66	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	45	1019	0	66	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	45	1006	0	66	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	45	979	0	66	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	45	957	0	66	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	45	1002	0	66	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	45	1005	0	66	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	45	1012	0	66	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	45	880	0	66	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	45	893	0	66	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	45	862	0	66	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	45	869	0	66	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	45	774	0	66	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	45	680	0	66	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	45	745	0	66	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	45	613	0	67	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	45	699	0	66	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	45	381	3	70	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	45	288	3	70	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	45	257	3	70	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	45	320	3	70	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	45	433	0	67	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1096	9297300765	3101 Southwest Avalon Way	2	24	45	298	0	67	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	45	161	3	71	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	45	77	0	69	72	none	not applicable	not applicable	not applicable
WS5271	9358002373	2836B Southwest Genesee Street	2	3	45	99	0	69	72	none	not applicable	not applicable	not applicable
WS5287	9358002426	2816 Southwest Genesee Street	2	3	45	100	0	69	72	none	not applicable	not applicable	not applicable
WS5291	9358002238	2809 B Southwest Nevada Street	2	2	45	101	0	69	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	45	112	0	69	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	45	151	0	68	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	45	196	0	68	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	45	161	0	68	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	45	162	0	68	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	45	161	0	68	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	45	195	0	68	72	none	not applicable	not applicable	not applicable
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	45	150	0	68	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	45	150	0	68	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	45	198	0	68	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	45	153	0	68	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	45	199	0	68	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	45	157	0	68	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	45	154	0	68	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	45	160	0	68	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	45	196	0	68	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	45	200	0	68	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	45	191	0	68	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	30	185	3	56	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	30	178	3	56	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	30	167	3	56	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	30	74	3	57	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	30	145	3	56	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	30	156	3	56	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	30	88	3	57	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	30	86	3	57	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	30	87	3	57	72	none	not applicable	not applicable	not applicable
WS1140	1772600735	4401 26th Avenue Southwest	2	1	30	108	3	57	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5376	1772600730	4405 26th Avenue Southwest	2	1	30	113	3	57	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	169	3	56	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	203	3	56	72	none	not applicable	not applicable	not applicable
WS6711	9358001997	2611A Southwest Nevada Street	2	4	30	46	3	61	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	108	3	57	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	140	3	56	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	149	3	56	72	none	not applicable	not applicable	not applicable
WS3014	3574300065	4159 25th Avenue Southwest	2	4	30	204	3	56	72	none	not applicable	not applicable	not applicable
WS1146	3574300070	4155 25th Avenue Southwest	2	4	30	214	3	56	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	304	3	55	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	399	0	52	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	363	0	52	72	none	not applicable	not applicable	not applicable
WS3020	3574300165	4150 25th Avenue Southwest	2	2	30	269	0	52	72	none	not applicable	not applicable	not applicable
WS3022	3574300160	4148 A 25th Avenue Southwest	2	3	30	265	0	52	72	none	not applicable	not applicable	not applicable
WS3026	3574300155	4146 A 25th Avenue Southwest	2	3	30	254	0	52	72	none	not applicable	not applicable	not applicable
WS3028	3574300156	4146 B 25th Avenue Southwest	2	3	30	280	0	52	72	none	not applicable	not applicable	not applicable
WS3024	3574300161	4148 B 25th Avenue Southwest	2	3	30	290	0	52	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	325	0	52	72	none	not applicable	not applicable	not applicable
WS3032	3574300217	4141 Delridge Way Southwest	2	6	30	291	0	52	72	none	not applicable	not applicable	not applicable
WS3034	3574300225	4137 Delridge Way Southwest	2	4	30	281	0	52	72	none	not applicable	not applicable	not applicable
WS1154	3574300150	4144 25th Avenue Southwest	2	2	30	256	0	52	72	none	not applicable	not applicable	not applicable
WS1156	3574300145	4140 25th Avenue Southwest	2	2	30	253	0	53	72	none	not applicable	not applicable	not applicable
WS1164	3574300136	4134 25th Avenue Southwest	2	3	30	248	0	53	72	none	not applicable	not applicable	not applicable
WS1158	3574300135	4138 C 25th Avenue Southwest	2	6	30	217	0	53	72	none	not applicable	not applicable	not applicable
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	216	0	53	72	none	not applicable	not applicable	not applicable
WS1170	3574300235	4131 Delridge Way Southwest	2	4	30	268	0	52	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	184	0	53	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	139	0	53	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	40	177	3	63	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823 23rd Avenue Southwest	2	2	40	91	3	64	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	40	86	3	64	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	40	64	3	65	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	40	91	8	69	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	40	96	5	66	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	40	95	5	66	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	40	124	5	66	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	40	128	5	66	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	40	138	5	66	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	137	8	61	72	none	not applicable	not applicable	not applicable
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	130	8	61	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	159	3	56	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	154	3	56	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	187	3	56	72	none	not applicable	not applicable	not applicable
WS1194	2444600275	4050 Delridge Way Southwest	2	4	30	133	3	56	72	none	not applicable	not applicable	not applicable
WS5413	2444600300	4057 23rd Avenue Southwest	2	1	30	241	3	56	72	none	not applicable	not applicable	not applicable
WS5415	2444600315	4049 23rd Avenue Southwest	2	1	30	220	3	56	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	317	0	52	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	343	0	52	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	370	0	52	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	402	0	52	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	431	0	52	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	462	0	52	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	484	0	52	72	none	not applicable	not applicable	not applicable
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	305	0	52	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	335	0	52	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	382	0	52	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	407	0	52	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	466	0	52	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-6. Summary of Vibration Analysis – Dakota Street Station North Alignment Option (DEL-1b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	124	3	64	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	126	3	64	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	130	3	64	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	40	162	3	63	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	40	185	3	63	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	40	153	3	64	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	40	120	3	64	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	700	0	51	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	549	0	52	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	514	0	52	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	586	0	51	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	541	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	479	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	426	0	52	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	305	0	52	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	45	226	0	68	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	45	160	0	68	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	45	77	0	69	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	45	61	0	69	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	45	75	0	69	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	45	127	0	68	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	195	0	53	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	262	0	52	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	320	0	52	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	410	0	52	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	484	0	52	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	30	527	0	52	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	45	78	0	69	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	45	153	0	68	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	45	191	0	68	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	45	227	0	68	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	45	264	0	68	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	45	297	0	67	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	45	334	0	67	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	45	367	0	67	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	45	402	0	67	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	45	427	0	67	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5187	9297301250	3220 Southwest Genesee Street	2	2	30	375	0	52	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	30	284	0	52	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	276	0	52	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	45	353	0	67	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	30	412	0	52	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	30	331	0	52	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	30	258	0	52	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	222	0	53	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	248	0	53	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	298	0	52	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	45	328	0	67	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	45	396	0	67	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	45	32	0	70	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	86	0	54	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	132	0	53	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	169	0	53	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	211	0	53	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	30	292	0	52	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	30	330	0	52	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	30	373	0	52	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	30	411	0	52	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	45	135	0	68	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	45	208	0	68	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	45	245	0	68	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	45	281	0	67	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	45	316	0	67	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	45	373	0	67	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	45	427	0	67	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	45	489	0	67	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	45	557	0	67	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	45	610	0	67	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	45	664	0	66	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	45	692	0	66	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	45	721	0	66	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	45	740	0	66	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	45	762	0	66	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	45	800	0	66	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	45	828	0	66	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7186	9297300835	3010 Southwest Avalon Way	2	1	45	874	0	66	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	45	908	0	66	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	45	1050	0	66	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	45	1064	0	66	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	45	1106	0	66	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	45	1141	0	66	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	45	1189	0	66	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	45	987	0	66	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	45	985	0	66	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	45	982	2	68	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	45	979	2	68	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	45	961	2	68	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	45	966	2	68	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	45	962	2	68	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	45	929	2	68	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	45	964	2	68	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	45	951	2	68	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	45	924	2	68	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	45	902	0	66	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	45	946	0	66	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	45	949	0	66	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	45	956	0	66	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	45	824	0	66	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	45	837	0	66	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	45	806	0	66	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	45	813	0	66	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	45	717	0	66	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	45	624	0	66	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	45	689	0	66	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	45	557	0	67	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	45	643	0	66	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	45	325	0	67	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	45	235	0	68	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	45	205	0	68	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	45	265	0	68	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	45	376	0	67	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	45	241	0	68	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	45	112	0	69	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1096	9297300765	3101 Southwest Avalon Way	2	30	45	21	0	72	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	45	80	0	69	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	45	118	0	69	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	45	163	0	68	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	45	135	0	68	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	45	131	0	68	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	45	118	2	70	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	45	116	2	70	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	45	111	2	70	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	45	119	2	70	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	45	141	2	70	72	none	not applicable	not applicable	not applicable
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	45	96	2	71	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	45	95	2	71	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	45	143	2	70	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	45	97	2	71	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	45	144	2	70	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	45	101	2	71	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	45	98	0	69	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	45	105	0	69	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	45	141	0	68	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	45	144	0	68	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	45	135	0	68	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	45	115	0	69	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	30	174	3	56	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	30	168	3	56	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	30	157	3	56	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	30	64	3	58	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	30	136	3	56	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	30	146	3	56	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	30	79	3	57	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	30	77	3	57	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	30	78	3	57	72	none	not applicable	not applicable	not applicable
WS1140	1772600735	4401 26th Avenue Southwest	2	1	30	118	3	56	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	30	122	3	56	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	178	3	56	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	212	3	56	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	99	3	57	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	132	3	56	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	141	3	56	72	none	not applicable	not applicable	not applicable
WS3014	3574300065	4159 25th Avenue Southwest	2	4	30	213	3	56	72	none	not applicable	not applicable	not applicable
WS1146	3574300070	4155 25th Avenue Southwest	2	4	30	222	3	56	72	none	not applicable	not applicable	not applicable
WS1150	3574300071	4151 25th Avenue Southwest	2	3	30	194	3	56	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	313	3	55	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	406	0	52	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	370	0	52	72	none	not applicable	not applicable	not applicable
WS3020	3574300165	4150 25th Avenue Southwest	2	2	30	277	0	52	72	none	not applicable	not applicable	not applicable
WS3022	3574300160	4148 A 25th Avenue Southwest	2	3	30	273	0	52	72	none	not applicable	not applicable	not applicable
WS3026	3574300155	4146 A 25th Avenue Southwest	2	3	30	262	0	52	72	none	not applicable	not applicable	not applicable
WS3028	3574300156	4146 B 25th Avenue Southwest	2	3	30	287	0	52	72	none	not applicable	not applicable	not applicable
WS3024	3574300161	4148 B 25th Avenue Southwest	2	3	30	298	0	52	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	332	0	52	72	none	not applicable	not applicable	not applicable
WS3032	3574300217	4141 Delridge Way Southwest	2	6	30	297	0	52	72	none	not applicable	not applicable	not applicable
WS3034	3574300225	4137 Delridge Way Southwest	2	4	30	287	0	52	72	none	not applicable	not applicable	not applicable
WS1154	3574300150	4144 25th Avenue Southwest	2	2	30	263	0	52	72	none	not applicable	not applicable	not applicable
WS1156	3574300145	4140 25th Avenue Southwest	2	2	30	260	0	52	72	none	not applicable	not applicable	not applicable
WS1164	3574300136	4134 25th Avenue Southwest	2	3	30	254	0	52	72	none	not applicable	not applicable	not applicable
WS1158	3574300135	4138C 25th Avenue Southwest	2	6	30	224	0	53	72	none	not applicable	not applicable	not applicable
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	222	0	53	72	none	not applicable	not applicable	not applicable
WS1170	3574300235	4131 Delridge Way Southwest	2	4	30	273	0	52	72	none	not applicable	not applicable	not applicable
WS1172	7891600215	4127 Delridge Way Southwest	2	1	30	264	0	52	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	191	0	53	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	201	0	53	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	177	0	53	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	149	0	53	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	136	0	53	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	40	177	3	63	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823 23rd Avenue Southwest	2	2	40	91	3	64	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	40	87	3	64	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	40	64	3	65	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	40	92	8	69	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	40	96	5	66	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	40	95	5	66	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	40	124	5	66	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	40	128	5	66	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	40	138	5	66	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	40	137	5	66	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	130	8	61	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	159	3	56	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	153	3	56	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	182	3	56	72	none	not applicable	not applicable	not applicable
WS1194	2444600275	4050 Delridge Way Southwest	2	4	30	129	3	56	72	none	not applicable	not applicable	not applicable
WS5413	2444600300	4057 23rd Avenue Southwest	2	1	30	238	3	56	72	none	not applicable	not applicable	not applicable
WS5415	2444600315	4049 23rd Avenue Southwest	2	1	30	215	3	56	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	318	3	55	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	344	3	55	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	372	3	55	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	404	0	52	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	434	0	52	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	465	0	52	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	487	0	52	72	none	not applicable	not applicable	not applicable
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	308	0	52	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	338	0	52	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	386	0	52	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	412	0	52	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	444	0	52	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	471	0	52	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-7. Summary of Vibration Analysis – Dakota Street Station Lower Height Alternative (DEL-2a)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	135	3	64	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	40	172	3	63	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	40	194	3	63	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	40	153	3	64	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	40	120	3	64	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	985	0	24	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	813	0	31	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	772	0	32	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	55	856	0	31	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	55	786	0	32	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	55	733	0	32	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	55	672	0	33	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	473	0	36	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	239	0	42	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	133	0	53	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	55	91	0	59	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	230	0	43	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	309	0	40	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	389	0	38	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	481	0	36	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	565	0	34	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	630	0	34	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	55	725	0	32	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	55	800	0	32	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	55	844	0	31	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	55	268	0	41	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	261	0	41	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	367	0	38	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	420	0	37	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	433	0	37	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	449	0	36	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	463	0	36	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	475	0	36	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	492	0	36	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	515	0	35	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	537	0	35	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	566	0	34	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	573	0	34	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	721	0	32	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	629	0	34	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	581	0	34	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	604	0	34	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	758	0	32	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	676	0	33	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	601	0	34	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	559	0	35	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	570	0	34	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	581	0	34	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	594	0	34	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	633	0	34	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	378	0	38	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	432	0	37	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	478	0	36	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	514	0	35	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	555	0	35	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	632	0	34	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	670	0	33	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	712	0	33	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	749	0	32	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	55	278	0	41	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	55	332	0	39	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	55	364	0	38	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	55	398	0	37	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	55	431	0	37	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	55	487	0	36	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	55	541	0	35	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	55	603	0	63	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	55	671	0	63	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	55	723	0	63	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7123	9297300865	3036 Southwest Avalon Way	2	1	55	778	0	63	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	55	805	0	63	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	55	833	0	63	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	55	853	0	63	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	55	874	0	63	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	55	913	0	63	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	55	939	0	63	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	55	986	0	63	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	55	1018	0	63	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	55	1159	0	63	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	55	1174	0	63	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	55	1215	0	63	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	55	1249	0	63	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	55	1297	0	62	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	30	1037	0	51	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	55	1040	0	63	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	55	1043	0	63	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	55	1046	0	63	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	55	1039	0	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	55	1048	0	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	55	1049	1	63	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	55	1016	1	63	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	55	1053	1	63	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	55	1043	1	63	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	55	1018	1	63	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	55	1000	1	63	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	55	1046	1	63	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	55	1051	1	63	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	55	1059	0	63	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	55	927	0	63	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	55	939	1	64	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	55	908	1	64	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	55	911	1	64	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	55	825	0	63	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	55	733	0	63	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	55	793	0	63	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7292	9358001364	2862 Southwest Adams Street	2	5	55	661	0	63	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	55	745	1	64	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	55	439	0	37	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	55	350	0	38	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	55	320	0	39	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	55	378	0	38	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	55	485	0	64	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	351	0	64	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	128	0	53	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	55	227	0	43	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	55	109	0	68	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	55	131	0	66	72	none	not applicable	not applicable	not applicable
WS1102	9358002340	4316 30th Avenue Southwest	2	6	55	121	0	62	72	none	not applicable	not applicable	not applicable
WS1104	9358002350	2852 Southwest Genesee Street	2	2	55	121	1	62	72	none	not applicable	not applicable	not applicable
WS1106	9358002351	2850 Southwest Genesee Street	2	2	55	119	1	62	72	none	not applicable	not applicable	not applicable
WS1110	9358002365	2842 Southwest Genesee Street	2	2	55	110	1	66	72	none	not applicable	not applicable	not applicable
WS1112	9358002374	2838B Southwest Genesee Street	2	3	55	103	1	66	72	none	not applicable	not applicable	not applicable
WS5270	9358002375	2838A Southwest Genesee Street	2	3	55	134	1	66	72	none	not applicable	not applicable	not applicable
WS5271	9358002373	2836B Southwest Genesee Street	2	3	55	138	1	66	72	none	not applicable	not applicable	not applicable
WS1114	9358002372	2836A Southwest Genesee Street	2	3	55	102	1	66	72	none	not applicable	not applicable	not applicable
WS1116	9358002390	2834 Southwest Genesee Street	2	2	55	100	1	66	72	none	not applicable	not applicable	not applicable
WS1122	9358002410	2822 Southwest Genesee Street	2	4	55	91	0	66	72	none	not applicable	not applicable	not applicable
WS1124	9358002425	2818 Southwest Genesee Street	2	3	55	79	0	66	72	none	not applicable	not applicable	not applicable
WS5287	9358002426	2816 Southwest Genesee Street	2	3	55	127	0	65	72	none	not applicable	not applicable	not applicable
WS1128	9358002430	2808 Southwest Genesee Street	2	2	55	65	0	66	72	none	not applicable	not applicable	not applicable
WS5291	9358002238	2809 B Southwest Nevada Street	2	2	55	123	0	65	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	55	130	0	65	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	55	169	0	65	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	55	214	0	65	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	55	192	0	65	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	55	193	0	65	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	55	185	0	65	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	55	189	0	65	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	55	191	0	65	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	55	203	1	65	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	55	230	1	65	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	55	184	1	66	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	55	186	1	66	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	55	234	1	65	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	55	191	1	66	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	55	237	1	65	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	55	197	1	65	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	55	197	1	65	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	55	206	1	61	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	55	240	1	65	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	55	245	1	61	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	55	237	1	61	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	55	219	0	61	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	30	185	3	56	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	30	179	3	56	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	30	167	3	56	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	30	74	3	57	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	30	145	3	56	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	30	156	3	56	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	30	88	3	57	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	30	86	3	57	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	30	87	3	57	72	none	not applicable	not applicable	not applicable
WS1140	1772600735	4401 26th Avenue Southwest	2	1	30	108	3	57	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	30	113	3	57	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	169	3	56	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	203	3	56	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	108	3	57	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	140	3	56	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	149	3	56	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	304	3	55	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	399	0	52	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	363	0	52	72	none	not applicable	not applicable	not applicable
WS3020	3574300165	4150 25th Avenue Southwest	2	2	30	269	0	52	72	none	not applicable	not applicable	not applicable
WS3022	3574300160	4148 A 25th Avenue Southwest	2	3	30	265	0	52	72	none	not applicable	not applicable	not applicable
WS3026	3574300155	4146 A 25th Avenue Southwest	2	3	30	254	0	52	72	none	not applicable	not applicable	not applicable
WS3028	3574300156	4146 B 25th Avenue Southwest	2	3	30	280	0	52	72	none	not applicable	not applicable	not applicable
WS3024	3574300161	4148 B 25th Avenue Southwest	2	3	30	290	0	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	325	0	52	72	none	not applicable	not applicable	not applicable
WS3032	3574300217	4141 Delridge Way Southwest	2	6	30	291	0	52	72	none	not applicable	not applicable	not applicable
WS3034	3574300225	4137 Delridge Way Southwest	2	4	30	281	0	52	72	none	not applicable	not applicable	not applicable
WS1154	3574300150	4144 25th Avenue Southwest	2	2	30	256	0	52	72	none	not applicable	not applicable	not applicable
WS1156	3574300145	4140 25th Avenue Southwest	2	2	30	253	0	53	72	none	not applicable	not applicable	not applicable
WS1164	3574300136	4134 25th Avenue Southwest	2	3	30	248	0	53	72	none	not applicable	not applicable	not applicable
WS1158	3574300135	4138C 25th Avenue Southwest	2	6	30	217	0	53	72	none	not applicable	not applicable	not applicable
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	216	0	53	72	none	not applicable	not applicable	not applicable
WS1170	3574300235	4131 Delridge Way Southwest	2	4	30	268	0	52	72	none	not applicable	not applicable	not applicable
WS1172	7891600215	4127 Delridge Way Southwest	2	1	30	260	0	52	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	184	0	53	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	196	0	53	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	172	0	53	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	144	0	53	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	138	0	53	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	40	177	3	63	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823 23rd Avenue Southwest	2	2	40	91	3	64	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	40	87	3	64	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	40	64	3	65	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	40	92	8	69	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	40	96	5	66	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	40	95	5	66	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	40	124	5	66	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	40	128	5	66	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	40	138	5	66	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	137	8	61	72	none	not applicable	not applicable	not applicable
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	130	8	61	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	159	3	56	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	153	3	56	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	186	3	56	72	none	not applicable	not applicable	not applicable
WS1194	2444600275	4050 Delridge Way Southwest	2	4	30	132	3	56	72	none	not applicable	not applicable	not applicable
WS5413	2444600300	4057 23rd Avenue Southwest	2	1	30	240	3	56	72	none	not applicable	not applicable	not applicable
WS5415	2444600315	4049 23rd Avenue Southwest	2	1	30	218	3	56	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	317	0	52	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	343	0	52	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	370	0	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	402	0	52	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	432	0	52	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	462	0	52	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	484	0	52	72	none	not applicable	not applicable	not applicable
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	305	0	52	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	335	0	52	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	382	0	52	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	407	0	52	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	466	0	52	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-8. Summary of Vibration Analysis – Dakota Street Station Lower Height North Alignment Option (DEL-2b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	135	3	64	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	40	172	3	63	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	40	194	3	63	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	40	153	3	64	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	40	120	3	64	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	716	0	26	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	573	0	34	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	540	0	35	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	55	608	0	34	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	55	569	0	34	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	55	507	0	35	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	55	457	0	36	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	354	0	38	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	274	0	41	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	204	0	45	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	55	125	0	54	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	128	0	53	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	142	0	51	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	186	0	47	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	235	0	43	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	289	0	40	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	340	0	39	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	55	424	0	37	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	55	495	0	36	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	55	535	0	35	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	55	78	0	62	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	80	0	61	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	87	0	60	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	106	0	56	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	144	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	175	0	48	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	201	0	45	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	236	0	43	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	268	0	41	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	304	0	40	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	336	0	39	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	372	0	38	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	394	0	37	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	364	0	38	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	275	0	41	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	252	0	42	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	322	0	39	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	401	0	37	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	321	0	39	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	248	0	42	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	210	0	45	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	229	0	43	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	271	0	41	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	299	0	40	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	364	0	38	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	101	0	57	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	123	0	54	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	154	0	50	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	184	0	47	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	222	0	44	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	298	0	40	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	335	0	39	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	375	0	38	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	413	0	37	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	55	119	0	54	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	55	181	0	47	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	55	216	0	44	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	55	252	0	42	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5246	9297300898	3070B Southwest Avalon Way	2	12	55	287	0	40	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	55	342	0	39	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	55	396	0	37	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	55	458	0	64	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	55	526	0	64	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	55	578	1	65	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	55	631	1	64	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	55	660	1	64	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	55	689	1	64	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	55	708	1	64	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	55	730	1	64	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	55	768	1	64	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	55	796	1	64	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	55	843	1	64	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	55	877	1	64	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	55	1019	1	64	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	55	1032	1	64	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	55	1075	1	64	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	55	1110	1	64	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	55	1158	1	64	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	55	982	0	63	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	55	980	0	63	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	55	975	0	63	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	55	972	0	63	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	55	952	0	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	55	954	0	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	55	948	0	63	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	55	915	0	63	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	55	949	0	63	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	55	932	1	64	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	55	903	1	64	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	55	879	1	64	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	55	921	1	64	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7162	9358000600	2853 Southwest Yancy Street	2	1	55	924	1	64	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	55	930	1	64	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	55	796	1	64	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	55	811	1	64	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	55	780	1	64	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	55	791	1	64	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	55	686	1	64	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	55	592	1	65	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	55	662	1	64	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	55	529	1	65	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	55	617	1	64	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	55	294	1	41	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	55	207	0	45	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	55	234	1	44	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	55	345	1	65	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	55	114	0	65	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	55	159	0	65	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	55	131	0	65	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	55	126	0	65	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	55	112	0	66	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	55	109	0	66	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	55	104	0	66	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	55	110	0	66	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	55	131	0	65	72	none	not applicable	not applicable	not applicable
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	55	85	0	66	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	55	82	0	66	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	55	130	0	65	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	55	82	0	66	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	55	128	0	65	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	55	83	0	66	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	55	78	1	67	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	55	82	1	67	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	55	119	1	67	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5264	9358002305	2853 Southwest Nevada Street	2	3	55	121	1	67	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	55	111	1	67	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	55	90	1	67	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	30	173	3	56	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	30	168	3	56	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	30	157	3	56	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	30	64	3	58	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	30	136	3	56	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	30	146	3	56	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	30	79	3	57	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	30	76	3	57	72	none	not applicable	not applicable	not applicable
WS1140	1772600735	4401 26th Avenue Southwest	2	1	30	118	3	56	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	30	122	3	56	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	179	3	56	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	213	3	56	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	89	3	57	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	122	3	56	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	130	3	56	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	322	3	55	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	415	0	52	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	378	0	52	72	none	not applicable	not applicable	not applicable
WS3020	3574300165	4150 25th Avenue Southwest	2	2	30	286	0	52	72	none	not applicable	not applicable	not applicable
WS3022	3574300160	4148 A 25th Avenue Southwest	2	3	30	282	0	52	72	none	not applicable	not applicable	not applicable
WS3026	3574300155	4146 A 25th Avenue Southwest	2	3	30	271	0	52	72	none	not applicable	not applicable	not applicable
WS3028	3574300156	4146 B 25th Avenue Southwest	2	3	30	296	0	52	72	none	not applicable	not applicable	not applicable
WS3024	3574300161	4148 B 25th Avenue Southwest	2	3	30	306	0	52	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	340	0	52	72	none	not applicable	not applicable	not applicable
WS3032	3574300217	4141 Delridge Way Southwest	2	6	30	305	0	52	72	none	not applicable	not applicable	not applicable
WS3034	3574300225	4137 Delridge Way Southwest	2	4	30	294	0	52	72	none	not applicable	not applicable	not applicable
WS1154	3574300150	4144 25th Avenue Southwest	2	2	30	271	0	52	72	none	not applicable	not applicable	not applicable
WS1156	3574300145	4140 25th Avenue Southwest	2	2	30	268	0	52	72	none	not applicable	not applicable	not applicable
WS1164	3574300136	4134 25th Avenue Southwest	2	3	30	262	0	52	72	none	not applicable	not applicable	not applicable
WS1158	3574300135	4138C 25th Avenue Southwest	2	6	30	232	0	53	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	229	0	53	72	none	not applicable	not applicable	not applicable
WS1170	3574300235	4131 Delridge Way Southwest	2	4	30	279	0	52	72	none	not applicable	not applicable	not applicable
WS1172	7891600215	4127 Delridge Way Southwest	2	1	30	270	0	52	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	198	0	53	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	208	0	53	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	184	0	53	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	157	0	53	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	132	0	53	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	40	177	3	63	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823 23rd Avenue Southwest	2	2	40	91	3	64	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	40	87	3	64	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	40	64	3	65	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	40	92	8	69	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	40	96	5	66	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	40	95	5	66	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	40	124	5	66	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	40	128	5	66	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	40	138	5	66	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	137	8	61	72	none	not applicable	not applicable	not applicable
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	130	8	61	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	159	3	56	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	153	3	56	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	186	3	56	72	none	not applicable	not applicable	not applicable
WS1194	2444600275	4050 Delridge Way Southwest	2	4	30	132	3	56	72	none	not applicable	not applicable	not applicable
WS5413	2444600300	4057 23rd Avenue Southwest	2	1	30	241	3	56	72	none	not applicable	not applicable	not applicable
WS5415	2444600315	4049 23rd Avenue Southwest	2	1	30	219	3	56	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	319	3	55	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	346	3	55	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	374	3	55	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	407	0	52	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	470	0	52	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	492	0	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	312	0	52	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	344	0	52	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	392	0	52	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	418	0	52	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	451	0	52	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	479	0	52	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-9. Summary of Vibration Analysis – Delridge Way Station Alternative (DEL-3)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	35	118	3	61	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	35	119	3	61	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	35	124	3	61	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	35	157	3	61	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	35	179	3	61	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	35	183	5	63	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	35	92	10	68	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	700	3	54	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	549	0	52	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	514	0	52	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	586	0	51	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	541	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	479	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	426	0	52	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	305	0	52	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	35	206	0	57	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	45	128	3	71	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	45	42	3	72	72	<1	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	35	46	3	64	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	35	73	3	62	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	35	127	3	61	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	195	0	53	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	262	0	52	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	320	0	52	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	410	0	52	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	484	0	52	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	30	527	0	52	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	35	98	0	58	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	35	77	3	62	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	35	94	3	61	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	35	153	3	61	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	35	191	3	60	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	35	227	3	60	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	35	266	3	60	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	35	301	3	60	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	35	340	3	60	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	35	376	3	60	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	35	413	3	59	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	35	443	3	59	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	30	375	0	52	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	30	284	0	52	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	276	0	52	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	35	353	3	60	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	30	412	0	52	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	30	331	0	52	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	30	258	0	52	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	222	0	53	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	248	0	53	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	298	0	52	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	328	0	52	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	35	396	3	60	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	35	32	3	67	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	35	86	3	61	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	132	0	53	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	169	0	53	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	211	0	53	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	30	292	0	52	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	30	330	0	52	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	30	373	0	52	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	30	411	0	52	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	35	164	0	58	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	35	243	0	57	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	35	281	0	57	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	45	319	3	70	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	45	357	3	70	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5250	9297300902	3062B Southwest Avalon Way	2	12	45	417	3	70	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	45	473	3	69	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	45	540	3	69	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	45	610	3	69	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	45	665	3	69	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	45	716	3	69	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	45	748	3	69	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	45	778	3	69	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	45	794	3	69	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	45	819	3	69	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	45	856	3	69	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	45	885	3	69	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	45	931	3	69	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	45	965	0	66	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	45	1107	0	66	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	45	1121	3	68	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	45	1163	0	66	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	45	1198	0	66	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	45	1246	0	66	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	45	1021	0	66	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	45	1023	0	66	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	45	1023	0	66	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	45	1024	0	66	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	45	1012	0	66	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	45	1018	0	66	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	45	1017	0	66	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	45	983	0	66	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	45	1019	0	66	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	45	1006	0	66	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	45	979	0	66	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	45	957	0	66	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	45	1002	0	66	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	45	1005	0	66	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7163	9358000605	4050 30th Avenue Southwest	2	8	45	1012	0	66	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	45	880	0	66	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	45	893	0	66	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	45	862	0	66	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	45	869	0	66	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	45	774	0	66	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	45	680	0	66	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	45	745	0	66	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	45	613	0	67	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	45	699	0	66	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	45	381	3	70	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	45	288	3	70	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	45	257	3	70	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	45	320	3	70	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	45	433	0	67	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	45	298	0	67	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	45	45	3	72	72	<1	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	45	161	3	71	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	45	51	3	72	72	<1	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	45	77	0	69	72	none	not applicable	not applicable	not applicable
WS5271	9358002373	2836B Southwest Genesee Street	2	3	45	99	0	69	72	none	not applicable	not applicable	not applicable
WS5287	9358002426	2816 Southwest Genesee Street	2	3	45	100	0	69	72	none	not applicable	not applicable	not applicable
WS5291	9358002238	2809 B Southwest Nevada Street	2	2	45	101	0	69	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	45	112	0	69	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	45	151	0	68	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	45	196	0	68	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	45	161	0	68	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	45	162	0	68	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	45	161	0	68	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	45	195	0	68	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	45	150	0	68	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	45	150	0	68	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	45	198	0	68	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	45	153	0	68	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	45	199	0	68	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	45	157	0	68	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	45	154	0	68	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	45	160	0	68	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	45	196	0	68	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	45	200	0	68	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	45	191	0	68	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	45	171	0	68	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	45	184	0	68	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	45	180	0	68	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	45	174	0	68	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	45	86	0	69	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	45	160	0	68	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	45	191	0	68	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	45	150	0	68	72	none	not applicable	not applicable	not applicable
WS1138	9358002180	2616 Southwest Genesee Street	2	2	45	83	0	69	72	none	not applicable	not applicable	not applicable
WS2428	9358002190	2614 Southwest Genesee Street	2	3	45	58	0	69	72	none	not applicable	not applicable	not applicable
WS5374	9358002192	2610 Southwest Genesee Street	2	6	45	99	0	69	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	45	176	0	68	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	45	193	0	68	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	45	49	0	70	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	82	3	57	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	120	3	56	72	none	not applicable	not applicable	not applicable
WS2430	9358002210	2604 Southwest Genesee Street	2	8	30	78	3	57	72	none	not applicable	not applicable	not applicable
WS2434	9358002200	4313 26th Avenue Southwest	2	2	30	104	3	57	72	none	not applicable	not applicable	not applicable
WS6711	9358001997	2611A Southwest Nevada Street	2	4	30	158	3	56	72	none	not applicable	not applicable	not applicable
WS2436	9358001980	2609 Southwest Nevada Street	2	2	30	203	3	56	72	none	not applicable	not applicable	not applicable
WS5395	3574300044	4312 26th Avenue Southwest	2	4	30	102	3	57	72	none	not applicable	not applicable	not applicable
WS6713	3574300030	4302 26th Avenue Southwest	2	2	30	156	3	56	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2438	3574300020	4308A 26th Avenue Southwest	2	2	30	202	3	56	72	none	not applicable	not applicable	not applicable
WS5400	3574300095	4143 25th Avenue Southwest	2	3	30	86	3	57	72	none	not applicable	not applicable	not applicable
WS6714	3574300100	4139 25th Avenue Southwest	2	2	30	150	3	56	72	none	not applicable	not applicable	not applicable
WS6715	3574300110	4137 25th Avenue Southwest	2	2	30	171	3	56	72	none	not applicable	not applicable	not applicable
WS6717	3574300115	4131 25th Avenue Southwest	2	2	30	202	3	56	72	none	not applicable	not applicable	not applicable
WS6716	3574300116	4133 25th Avenue Southwest	2	2	30	230	3	56	72	none	not applicable	not applicable	not applicable
WS2440	3574300010	4222 26th Avenue Southwest	2	2	30	237	3	56	72	none	not applicable	not applicable	not applicable
WS2442	3574300005	4218 26th Avenue Southwest	2	2	30	253	3	56	72	none	not applicable	not applicable	not applicable
WS2444	7891600065	4216 26th Avenue Southwest	2	2	30	282	3	55	72	none	not applicable	not applicable	not applicable
WS2450	7891600070	4127 25th Avenue Southwest	2	2	30	245	3	56	72	none	not applicable	not applicable	not applicable
WS2452	7891600075	not available	2	2	30	256	3	55	72	none	not applicable	not applicable	not applicable
WS2446	7891600060	4212 26th Avenue Southwest	2	2	30	284	3	55	72	none	not applicable	not applicable	not applicable
WS2448	7891600055	4210 26th Avenue Southwest	2	2	30	302	3	55	72	none	not applicable	not applicable	not applicable
WS6720	7891600045	4206 26th Avenue Southwest	2	2	30	322	3	55	72	none	not applicable	not applicable	not applicable
WS2454	7891600090	4121 25th Avenue Southwest	2	2	30	277	3	55	72	none	not applicable	not applicable	not applicable
WS10018	7891600105	4115 25th Avenue Southwest	2	4	30	274	3	55	72	none	not applicable	not applicable	not applicable
WS6721	7891600040	4202 26th Avenue Southwest	2	2	30	357	3	55	72	none	not applicable	not applicable	not applicable
WS6722	7891600035	4200 26th Avenue Southwest	2	2	30	380	3	55	72	none	not applicable	not applicable	not applicable
WS6723	7891600019	4110 26th Avenue Southwest	2	2	30	383	3	55	72	none	not applicable	not applicable	not applicable
WS6724	7891600015	4108 26th Avenue Southwest	2	2	30	397	3	55	72	none	not applicable	not applicable	not applicable
WS6726	7891600017	4106 26th Avenue Southwest	2	4	30	401	3	55	72	none	not applicable	not applicable	not applicable
WS6727	7891600005	4102 26th Avenue Southwest	2	2	30	426	3	55	72	none	not applicable	not applicable	not applicable
WS6730	7891600140	2507 Southwest Dakota Street	2	2	30	349	3	55	72	none	not applicable	not applicable	not applicable
WS2460	7891600125	4109 25th Avenue Southwest	2	2	30	284	3	55	72	none	not applicable	not applicable	not applicable
WS6731	7891600135	2501 Southwest Dakota Street	2	2	30	282	3	55	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	319	3	55	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	363	3	55	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	315	3	55	72	none	not applicable	not applicable	not applicable
WS1152	3574300085	4147B 25th Avenue Southwest	2	2	30	43	3	62	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	49	3	61	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	124	3	56	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	82	3	57	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	42	3	62	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	38	3	63	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	70	3	58	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	55	3	60	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	80	3	57	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	110	3	57	72	none	not applicable	not applicable	not applicable
WS5405	7891600200	4122 25th Avenue Southwest	2	2	30	101	3	57	72	none	not applicable	not applicable	not applicable
WS6732	7891600190	4118 25th Avenue Southwest	2	2	30	160	3	56	72	none	not applicable	not applicable	not applicable
WS6733	7891600180	4116 25th Avenue Southwest	2	2	30	181	3	56	72	none	not applicable	not applicable	not applicable
WS6734	7891600175	4110 25th Avenue Southwest	2	2	30	192	3	56	72	none	not applicable	not applicable	not applicable
WS6735	7891600165	4108 25th Avenue Southwest	2	2	30	201	3	56	72	none	not applicable	not applicable	not applicable
WS6736	7891600161	4106 25th Avenue Southwest	2	4	30	204	3	56	72	none	not applicable	not applicable	not applicable
WS2462	7891600160	4102 25th Avenue Southwest	2	2	30	205	3	56	72	none	not applicable	not applicable	not applicable
WS2464	7891600155	4100 25th Avenue Southwest	2	2	30	198	3	56	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	325	0	52	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	35	144	5	63	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	30	97	3	57	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	30	115	3	56	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	30	117	3	56	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	30	140	3	56	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	30	139	3	56	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	30	142	0	53	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	135	0	53	72	none	not applicable	not applicable	not applicable
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	122	0	53	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	143	0	53	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	131	0	53	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	135	0	53	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	147	3	56	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	150	3	56	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	158	3	56	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	171	3	56	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	186	3	56	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	203	3	56	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	216	3	56	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	57	3	59	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	74	3	57	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	106	3	57	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	125	3	56	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	154	3	56	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	180	3	56	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-10. Summary of Vibration Analysis – Delridge Way Station Lower Height Alternative (DEL-4)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	35	118	3	61	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	35	119	3	61	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	35	124	3	61	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	35	157	3	61	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	35	179	3	61	72	none	not applicable	not applicable	not applicable
WS2470	7666704005	2414 Southwest Andover Street	3	1	35	183	5	63	78	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	35	92	10	68	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	55	984	0	30	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	810	0	31	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	770	0	32	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	55	854	0	31	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	55	784	0	32	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	55	731	0	32	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	55	670	0	33	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	468	0	36	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	242	0	42	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	138	0	52	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	55	101	0	57	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	232	0	43	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	309	0	40	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	385	0	38	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	476	0	36	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	561	0	35	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	627	0	34	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	55	723	0	32	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	55	798	0	32	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	55	842	0	31	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	55	271	0	41	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	263	0	41	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	366	0	38	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	416	0	37	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	432	0	37	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	449	0	36	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	463	0	36	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	476	0	36	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	493	0	36	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	516	0	35	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	538	0	35	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	566	0	34	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	574	0	34	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	718	0	32	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	625	0	34	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	576	0	34	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	599	0	34	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	755	0	32	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	673	0	33	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	597	0	34	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	554	0	35	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	566	0	34	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	577	0	34	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	589	0	34	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	629	0	34	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	377	0	38	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	428	0	37	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	473	0	36	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	509	0	35	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	551	0	35	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	629	0	34	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	667	0	33	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	709	0	33	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	747	0	32	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	55	279	0	41	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	55	335	0	39	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	55	367	0	38	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	55	400	0	37	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	55	433	0	37	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	55	489	0	36	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	55	542	0	35	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	55	603	0	63	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	55	670	0	63	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	55	722	0	63	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	55	776	0	63	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	55	803	0	63	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	55	831	0	63	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	55	852	0	63	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7190	9297300845	3018 Southwest Avalon Way	2	2	55	872	0	63	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	55	911	0	63	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	55	936	0	63	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	55	983	0	63	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	55	1015	0	63	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	55	1156	0	63	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	55	1171	0	63	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	55	1212	0	63	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	55	1246	0	63	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	55	1294	0	62	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	55	1031	1	64	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	55	1035	1	64	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	55	1038	1	64	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	55	1041	1	64	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	55	1035	0	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	55	1044	0	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	55	1045	0	63	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	55	1012	0	63	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	55	1050	0	63	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	55	1040	0	63	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	55	1016	1	64	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	55	998	1	64	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	55	1044	1	64	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	55	1049	1	64	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	55	1057	1	64	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	55	925	1	64	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	55	937	1	64	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	55	905	1	64	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	55	909	1	64	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	55	823	0	63	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	55	731	0	63	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	55	790	1	64	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	55	659	1	64	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	55	743	1	64	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	55	438	0	37	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	55	351	0	38	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	55	321	0	39	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	55	378	0	38	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5260	9297300807	4209 30th Avenue Southwest	2	15	55	483	0	64	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	349	0	64	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	135	0	52	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	55	230	0	43	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	55	112	0	68	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	55	129	0	66	72	none	not applicable	not applicable	not applicable
WS1102	9358002340	4316 30th Avenue Southwest	2	6	55	119	1	63	72	none	not applicable	not applicable	not applicable
WS1104	9358002350	2852 Southwest Genesee Street	2	2	55	118	1	63	72	none	not applicable	not applicable	not applicable
WS1106	9358002351	2850 Southwest Genesee Street	2	2	55	117	1	63	72	none	not applicable	not applicable	not applicable
WS1110	9358002365	2842 Southwest Genesee Street	2	2	55	109	1	67	72	none	not applicable	not applicable	not applicable
WS1112	9358002374	2838B Southwest Genesee Street	2	3	55	101	1	67	72	none	not applicable	not applicable	not applicable
WS5270	9358002375	2838A Southwest Genesee Street	2	3	55	132	1	66	72	none	not applicable	not applicable	not applicable
WS5271	9358002373	2836B Southwest Genesee Street	2	3	55	136	1	66	72	none	not applicable	not applicable	not applicable
WS1114	9358002372	2836A Southwest Genesee Street	2	3	55	99	1	67	72	none	not applicable	not applicable	not applicable
WS1120	9358002400	2828 Southwest Genesee Street	2	4	55	95	0	66	72	none	not applicable	not applicable	not applicable
WS1122	9358002410	2822 Southwest Genesee Street	2	4	55	88	0	66	72	none	not applicable	not applicable	not applicable
WS1124	9358002425	2818 Southwest Genesee Street	2	3	55	75	0	66	72	none	not applicable	not applicable	not applicable
WS5287	9358002426	2816 Southwest Genesee Street	2	3	55	123	0	65	72	none	not applicable	not applicable	not applicable
WS1128	9358002430	2808 Southwest Genesee Street	2	2	55	60	0	66	72	none	not applicable	not applicable	not applicable
WS5291	9358002238	2809 B Southwest Nevada Street	2	2	55	118	0	65	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	55	124	1	66	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	55	164	1	66	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	55	209	1	66	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	55	187	0	65	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	55	189	0	65	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	55	181	0	65	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	55	185	0	65	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	55	187	0	65	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	55	200	0	65	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	55	227	0	65	72	none	not applicable	not applicable	not applicable
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	55	181	0	65	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	55	184	0	65	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	55	231	0	65	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	55	189	1	66	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	55	235	1	66	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	55	195	1	66	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	55	195	1	66	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	55	203	1	62	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5266	9358002306	2847 Southwest Nevada Street	2	3	55	238	1	66	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	55	243	1	62	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	55	235	1	62	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	55	217	1	62	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	55	185	1	66	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	55	180	1	66	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	55	174	1	66	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	55	87	1	67	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	55	160	1	66	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	55	191	0	65	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	55	150	0	65	72	none	not applicable	not applicable	not applicable
WS1138	9358002180	2616 Southwest Genesee Street	2	2	55	83	0	66	72	none	not applicable	not applicable	not applicable
WS2428	9358002190	2614 Southwest Genesee Street	2	3	55	58	0	66	72	none	not applicable	not applicable	not applicable
WS5374	9358002192	2610 Southwest Genesee Street	2	6	55	99	0	66	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	55	176	0	65	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	55	193	0	65	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	55	49	0	67	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	82	3	57	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	120	3	56	72	none	not applicable	not applicable	not applicable
WS2430	9358002210	2604 Southwest Genesee Street	2	8	30	78	3	57	72	none	not applicable	not applicable	not applicable
WS2434	9358002200	4313 26th Avenue Southwest	2	2	30	104	3	57	72	none	not applicable	not applicable	not applicable
WS6711	9358001997	2611A Southwest Nevada Street	2	4	30	158	3	56	72	none	not applicable	not applicable	not applicable
WS2436	9358001980	2609 Southwest Nevada Street	2	2	30	203	3	56	72	none	not applicable	not applicable	not applicable
WS5396	3574300046	4310 26th Avenue Southwest	2	4	30	48	3	61	72	none	not applicable	not applicable	not applicable
WS5395	3574300044	4312 26th Avenue Southwest	2	4	30	102	3	57	72	none	not applicable	not applicable	not applicable
WS6713	3574300030	4302 26th Avenue Southwest	2	2	30	156	3	56	72	none	not applicable	not applicable	not applicable
WS2438	3574300020	4308A 26th Avenue Southwest	2	2	30	202	3	56	72	none	not applicable	not applicable	not applicable
WS5400	3574300095	4143 25th Avenue Southwest	2	3	30	86	3	57	72	none	not applicable	not applicable	not applicable
WS6714	3574300100	4139 25th Avenue Southwest	2	2	30	150	3	56	72	none	not applicable	not applicable	not applicable
WS6715	3574300110	4137 25th Avenue Southwest	2	2	30	171	3	56	72	none	not applicable	not applicable	not applicable
WS6717	3574300115	4131 25th Avenue Southwest	2	2	30	202	3	56	72	none	not applicable	not applicable	not applicable
WS6716	3574300116	4133 25th Avenue Southwest	2	2	30	230	3	56	72	none	not applicable	not applicable	not applicable
WS2440	3574300010	4222 26th Avenue Southwest	2	2	30	237	3	56	72	none	not applicable	not applicable	not applicable
WS2442	3574300005	4218 26th Avenue Southwest	2	2	30	253	3	56	72	none	not applicable	not applicable	not applicable
WS2444	7891600065	4216 26th Avenue Southwest	2	2	30	282	3	55	72	none	not applicable	not applicable	not applicable
WS2450	7891600070	4127 25th Avenue Southwest	2	2	30	244	3	56	72	none	not applicable	not applicable	not applicable
WS2452	7891600075	4213 25th Avenue Southwest	2	2	30	256	3	55	72	none	not applicable	not applicable	not applicable
WS2446	7891600060	4212 26th Avenue Southwest	2	2	30	284	3	55	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2448	7891600055	4210 26th Avenue Southwest	2	2	30	302	3	55	72	none	not applicable	not applicable	not applicable
WS6720	7891600045	4206 26th Avenue Southwest	2	2	30	322	3	55	72	none	not applicable	not applicable	not applicable
WS2454	7891600090	4121 25th Avenue Southwest	2	2	30	277	3	55	72	none	not applicable	not applicable	not applicable
WS10018	7891600105	4115 25th Avenue Southwest	2	4	30	274	3	55	72	none	not applicable	not applicable	not applicable
WS6721	7891600040	4202 26th Avenue Southwest	2	2	30	357	3	55	72	none	not applicable	not applicable	not applicable
WS6722	7891600035	4200 26th Avenue Southwest	2	2	30	380	3	55	72	none	not applicable	not applicable	not applicable
WS6723	7891600019	4110 26th Avenue Southwest	2	2	30	383	3	55	72	none	not applicable	not applicable	not applicable
WS6724	7891600015	4108 26th Avenue Southwest	2	2	30	397	3	55	72	none	not applicable	not applicable	not applicable
WS6726	7891600017	4106 26th Avenue Southwest	2	4	30	402	3	55	72	none	not applicable	not applicable	not applicable
WS6727	7891600005	4102 26th Avenue Southwest	2	2	30	426	3	55	72	none	not applicable	not applicable	not applicable
WS6730	7891600140	2507 Southwest Dakota Street	2	2	30	349	3	55	72	none	not applicable	not applicable	not applicable
WS2460	7891600125	4109 25th Avenue Southwest	2	2	30	284	3	55	72	none	not applicable	not applicable	not applicable
WS6731	7891600135	2501 Southwest Dakota Street	2	2	30	282	3	55	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	319	3	55	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	363	3	55	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	315	3	55	72	none	not applicable	not applicable	not applicable
WS1152	3574300085	4147B 25th Avenue Southwest	2	2	30	43	3	62	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	49	3	61	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	123	3	56	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	82	3	57	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	42	3	62	72	none	not applicable	not applicable	not applicable
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	38	3	63	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	70	3	58	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	55	3	60	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	80	3	57	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	110	3	57	72	none	not applicable	not applicable	not applicable
WS5405	7891600200	4122 25th Avenue Southwest	2	2	30	101	3	57	72	none	not applicable	not applicable	not applicable
WS6732	7891600190	4118 25th Avenue Southwest	2	2	30	160	3	56	72	none	not applicable	not applicable	not applicable
WS6733	7891600180	4116 25th Avenue Southwest	2	2	30	181	3	56	72	none	not applicable	not applicable	not applicable
WS6734	7891600175	4110 25th Avenue Southwest	2	2	30	192	3	56	72	none	not applicable	not applicable	not applicable
WS6735	7891600165	4108 25th Avenue Southwest	2	2	30	201	3	56	72	none	not applicable	not applicable	not applicable
WS6736	7891600161	4106 25th Avenue Southwest	2	4	30	204	3	56	72	none	not applicable	not applicable	not applicable
WS2462	7891600160	4102 25th Avenue Southwest	2	2	30	205	3	56	72	none	not applicable	not applicable	not applicable
WS2464	7891600155	4100 25th Avenue Southwest	2	2	30	198	3	56	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	325	0	52	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	35	144	5	63	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	30	97	3	57	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	30	115	3	56	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	30	117	3	56	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	30	140	3	56	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	30	139	3	56	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	30	142	0	53	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	135	0	53	72	none	not applicable	not applicable	not applicable
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	122	0	53	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	143	0	53	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	131	0	53	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	135	0	53	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	147	3	56	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	150	3	56	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	158	3	56	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	171	3	56	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	186	3	56	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	203	3	56	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	215	3	56	72	none	not applicable	not applicable	not applicable
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	57	3	59	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	74	3	57	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	106	3	57	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	125	3	56	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	154	3	56	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	179	3	56	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-11. Summary of Vibration Analysis – Andover Street Station Alternative (DEL-5)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	30	233	3	56	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	30	236	3	56	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	30	239	3	56	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	30	257	3	55	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	30	273	3	55	72	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	30	221	3	56	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	737	0	51	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	585	0	51	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	550	0	52	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	622	0	51	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	577	0	51	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	515	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	461	0	52	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	333	3	55	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	30	252	3	56	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	30	226	3	56	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	30	168	3	56	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	30	90	3	57	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	30	94	3	57	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	30	159	3	56	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	230	3	56	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	298	0	52	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	356	0	52	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	446	0	52	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	519	0	52	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	30	562	0	52	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	30	145	3	56	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	30	175	3	56	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	30	199	3	56	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	30	217	3	56	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	30	232	3	56	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	30	246	3	56	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	30	255	3	55	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	30	267	3	55	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	30	242	3	56	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5187	9297301250	3220 Southwest Genesee Street	2	2	30	400	0	52	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	30	308	0	52	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	280	3	55	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	342	3	55	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	30	355	0	52	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	30	279	0	52	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	239	3	56	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	258	3	55	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	296	3	55	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	323	3	55	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	30	375	3	55	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	30	66	3	58	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	117	3	56	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	163	3	56	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	200	3	56	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	242	0	53	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	30	324	0	52	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	30	363	0	52	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	30	405	0	52	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	30	443	0	52	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	30	45	3	62	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	30	47	3	61	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	30	55	3	60	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	40	37	0	67	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	40	45	3	68	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	40	45	3	68	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	40	80	3	64	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	40	55	3	66	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	40	54	3	66	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	40	102	3	64	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	40	54	3	66	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	40	106	3	64	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	40	65	3	65	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	40	97	3	64	72	none	not applicable	not applicable	not applicable
WS82500	7732800000	3000 Southwest Avalon Way	2	18	40	80	3	64	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7184	9297300645	3004 Southwest Andover Street	2	1	40	151	3	64	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	40	192	3	63	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	40	184	3	63	72	none	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	40	195	3	63	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	40	225	3	63	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	40	261	3	63	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	40	251	3	63	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	40	237	3	63	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	40	223	3	63	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	40	197	3	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	40	170	3	63	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	40	147	3	64	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	40	174	3	63	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	40	131	3	64	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	40	113	3	64	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	40	106	3	64	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	40	88	3	64	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	40	62	3	65	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	40	86	3	64	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	40	107	3	64	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	40	158	3	63	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	40	27	3	72	72	<1	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	40	32	3	71	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	40	140	3	64	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	40	186	3	63	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	40	189	3	63	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	30	137	3	56	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	184	3	56	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	109	3	57	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	30	72	3	57	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	30	213	3	56	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	30	291	3	55	72	none	not applicable	not applicable	not applicable
WS1102	9358002340	4316 30th Avenue Southwest	2	6	30	400	3	55	72	none	not applicable	not applicable	not applicable
WS1104	9358002350	2852 Southwest Genesee Street	2	2	30	439	3	55	72	none	not applicable	not applicable	not applicable
WS1106	9358002351	2850 Southwest Genesee Street	2	2	30	476	3	55	72	none	not applicable	not applicable	not applicable
WS1110	9358002365	2842 Southwest Genesee Street	2	2	30	509	3	55	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1112	9358002374	2838B Southwest Genesee Street	2	3	30	555	3	55	72	none	not applicable	not applicable	not applicable
WS5270	9358002375	2838A Southwest Genesee Street	2	3	30	541	3	55	72	none	not applicable	not applicable	not applicable
WS5271	9358002373	2836B Southwest Genesee Street	2	3	30	567	3	55	72	none	not applicable	not applicable	not applicable
WS1114	9358002372	2836A Southwest Genesee Street	2	3	30	582	3	54	72	none	not applicable	not applicable	not applicable
WS1116	9358002390	2834 Southwest Genesee Street	2	2	30	611	3	54	72	none	not applicable	not applicable	not applicable
WS1120	9358002400	2828 Southwest Genesee Street	2	4	30	667	3	54	72	none	not applicable	not applicable	not applicable
WS1122	9358002410	2822 Southwest Genesee Street	2	4	30	712	3	54	72	none	not applicable	not applicable	not applicable
WS1124	9358002425	2818 Southwest Genesee Street	2	3	30	765	3	54	72	none	not applicable	not applicable	not applicable
WS5287	9358002426	2816 Southwest Genesee Street	2	3	30	744	3	54	72	none	not applicable	not applicable	not applicable
WS1128	9358002430	2808 Southwest Genesee Street	2	2	30	857	3	54	72	none	not applicable	not applicable	not applicable
WS5291	9358002238	2809 B Southwest Nevada Street	2	2	30	835	3	54	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	30	884	3	54	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	30	863	3	54	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	40	848	0	58	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	30	822	3	54	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	30	786	3	54	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	30	757	3	54	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	30	720	3	54	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	30	679	3	54	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	30	638	3	54	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	30	595	3	54	72	none	not applicable	not applicable	not applicable
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	30	610	3	54	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	30	583	3	54	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	30	567	3	55	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	30	547	3	55	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	30	530	3	55	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	30	511	3	55	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	30	475	3	55	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	30	438	3	55	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	30	451	3	55	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	30	420	3	55	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	30	397	3	55	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	30	362	3	55	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	40	1114	3	61	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	40	1124	0	58	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	30	1129	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS61200	2472850000	2629 Southwest Nevada Street	2	3	30	1215	0	51	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	30	1141	0	51	72	none	not applicable	not applicable	not applicable
WS5367	9358002025	2623 Southwest Nevada Street	2	2	30	1109	0	51	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	30	1148	3	54	72	none	not applicable	not applicable	not applicable
WS1138	9358002180	2616 Southwest Genesee Street	2	2	30	1215	3	54	72	none	not applicable	not applicable	not applicable
WS2428	9358002190	2614 Southwest Genesee Street	2	3	30	1239	3	54	72	none	not applicable	not applicable	not applicable
WS5374	9358002192	2610 Southwest Genesee Street	2	6	30	1198	3	54	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	30	1121	3	54	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	30	1104	3	54	72	none	not applicable	not applicable	not applicable
WS1140	1772600735	4401 26th Avenue Southwest	2	1	30	1338	3	53	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	30	1378	3	53	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	1412	3	53	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	1450	3	53	72	none	not applicable	not applicable	not applicable
WS2430	9358002210	2604 Southwest Genesee Street	2	8	30	1220	3	54	72	none	not applicable	not applicable	not applicable
WS2434	9358002200	4313 26th Avenue Southwest	2	2	30	1194	3	54	72	none	not applicable	not applicable	not applicable
WS6711	9358001997	2611A Southwest Nevada Street	2	4	30	1140	3	54	72	none	not applicable	not applicable	not applicable
WS2436	9358001980	2609 Southwest Nevada Street	2	2	30	1095	3	54	72	none	not applicable	not applicable	not applicable
WS5396	3574300046	4310 26th Avenue Southwest	2	4	30	1224	3	54	72	none	not applicable	not applicable	not applicable
WS5395	3574300044	4312 26th Avenue Southwest	2	4	30	1184	3	54	72	none	not applicable	not applicable	not applicable
WS6713	3574300030	4302 26th Avenue Southwest	2	2	30	1122	3	54	72	none	not applicable	not applicable	not applicable
WS2438	3574300020	4308A 26th Avenue Southwest	2	2	30	1074	3	54	72	none	not applicable	not applicable	not applicable
WS5400	3574300095	4143 25th Avenue Southwest	2	3	30	1144	3	54	72	none	not applicable	not applicable	not applicable
WS6714	3574300100	4139 25th Avenue Southwest	2	2	30	1083	3	54	72	none	not applicable	not applicable	not applicable
WS6715	3574300110	4137 25th Avenue Southwest	2	2	30	1054	3	54	72	none	not applicable	not applicable	not applicable
WS6717	3574300115	4131 25th Avenue Southwest	2	2	30	1010	3	54	72	none	not applicable	not applicable	not applicable
WS6716	3574300116	4133 25th Avenue Southwest	2	2	30	1001	3	54	72	none	not applicable	not applicable	not applicable
WS2440	3574300010	4222 26th Avenue Southwest	2	2	30	1031	3	54	72	none	not applicable	not applicable	not applicable
WS2442	3574300005	4218 26th Avenue Southwest	2	2	30	1007	3	54	72	none	not applicable	not applicable	not applicable
WS2444	7891600065	4216 26th Avenue Southwest	2	2	30	975	3	54	72	none	not applicable	not applicable	not applicable
WS2450	7891600070	4127 25th Avenue Southwest	2	2	30	970	3	54	72	none	not applicable	not applicable	not applicable
WS2452	7891600075	4213 25th Avenue Southwest	2	2	30	931	3	54	72	none	not applicable	not applicable	not applicable
WS2446	7891600060	4212 26th Avenue Southwest	2	2	30	957	3	54	72	none	not applicable	not applicable	not applicable
WS2448	7891600055	4210 26th Avenue Southwest	2	2	30	929	3	54	72	none	not applicable	not applicable	not applicable
WS6720	7891600045	4206 26th Avenue Southwest	2	2	30	902	3	54	72	none	not applicable	not applicable	not applicable
WS2454	7891600090	4121 25th Avenue Southwest	2	2	30	902	3	54	72	none	not applicable	not applicable	not applicable
WS10018	7891600105	4115 25th Avenue Southwest	2	4	30	862	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6721	7891600040	4202 26th Avenue Southwest	2	2	30	856	3	54	72	none	not applicable	not applicable	not applicable
WS6722	7891600035	4200 26th Avenue Southwest	2	2	30	827	3	54	72	none	not applicable	not applicable	not applicable
WS6723	7891600019	4110 26th Avenue Southwest	2	2	30	802	3	54	72	none	not applicable	not applicable	not applicable
WS6724	7891600015	4108 26th Avenue Southwest	2	2	30	781	3	54	72	none	not applicable	not applicable	not applicable
WS6726	7891600017	4106 26th Avenue Southwest	2	4	30	754	3	54	72	none	not applicable	not applicable	not applicable
WS6727	7891600005	4102 26th Avenue Southwest	2	2	30	713	3	54	72	none	not applicable	not applicable	not applicable
WS6730	7891600140	2507 Southwest Dakota Street	2	2	30	744	3	54	72	none	not applicable	not applicable	not applicable
WS2460	7891600125	4109 25th Avenue Southwest	2	2	30	816	3	54	72	none	not applicable	not applicable	not applicable
WS6731	7891600135	2501 Southwest Dakota Street	2	2	30	769	3	54	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	975	3	54	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	931	3	54	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	983	3	54	72	none	not applicable	not applicable	not applicable
WS1142	3574300056	2518 Southwest Genesee Street	2	2	30	1270	3	54	72	none	not applicable	not applicable	not applicable
WS1144	3574300055	2512 Southwest Genesee Street	2	2	30	1278	3	54	72	none	not applicable	not applicable	not applicable
WS3014	3574300065	4159 25th Avenue Southwest	2	4	30	1284	3	53	72	none	not applicable	not applicable	not applicable
WS1146	3574300070	4155 25th Avenue Southwest	2	4	30	1259	3	54	72	none	not applicable	not applicable	not applicable
WS1150	3574300071	4151 25th Avenue Southwest	2	3	30	1220	3	54	72	none	not applicable	not applicable	not applicable
WS1152	3574300085	4147B 25th Avenue Southwest	2	2	30	1195	3	54	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	1298	3	53	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	1326	3	53	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	1271	3	54	72	none	not applicable	not applicable	not applicable
WS3020	3574300165	4150 25th Avenue Southwest	2	2	30	1238	3	54	72	none	not applicable	not applicable	not applicable
WS3022	3574300160	4148 A 25th Avenue Southwest	2	3	30	1219	3	54	72	none	not applicable	not applicable	not applicable
WS3026	3574300155	4146 A 25th Avenue Southwest	2	3	30	1200	3	54	72	none	not applicable	not applicable	not applicable
WS3028	3574300156	4146 B 25th Avenue Southwest	2	3	30	1210	3	54	72	none	not applicable	not applicable	not applicable
WS3024	3574300161	4148 B 25th Avenue Southwest	2	3	30	1225	3	54	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	1227	3	54	72	none	not applicable	not applicable	not applicable
WS3032	3574300217	4141 Delridge Way Southwest	2	6	30	1172	3	54	72	none	not applicable	not applicable	not applicable
WS3034	3574300225	4137 Delridge Way Southwest	2	4	30	1139	3	54	72	none	not applicable	not applicable	not applicable
WS1154	3574300150	4144 25th Avenue Southwest	2	2	30	1184	3	54	72	none	not applicable	not applicable	not applicable
WS1156	3574300145	4140 25th Avenue Southwest	2	2	30	1164	3	54	72	none	not applicable	not applicable	not applicable
WS1164	3574300136	4134 25th Avenue Southwest	2	3	30	1138	3	54	72	none	not applicable	not applicable	not applicable
WS1158	3574300135	4138C 25th Avenue Southwest	2	6	30	1128	3	54	72	none	not applicable	not applicable	not applicable
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	1094	3	54	72	none	not applicable	not applicable	not applicable
WS1170	3574300235	4131 Delridge Way Southwest	2	4	30	1097	3	54	72	none	not applicable	not applicable	not applicable
WS1172	7891600215	4127 Delridge Way Southwest	2	1	30	1074	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1174	7891600225	4123 Delridge Way Southwest	2	12	30	1031	3	54	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	1080	3	54	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	1047	3	54	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	1035	3	54	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	1025	3	54	72	none	not applicable	not applicable	not applicable
WS5405	7891600200	4122 25th Avenue Southwest	2	2	30	995	3	54	72	none	not applicable	not applicable	not applicable
WS6732	7891600190	4118 25th Avenue Southwest	2	2	30	930	3	54	72	none	not applicable	not applicable	not applicable
WS6733	7891600180	4116 25th Avenue Southwest	2	2	30	890	3	54	72	none	not applicable	not applicable	not applicable
WS6734	7891600175	4110 25th Avenue Southwest	2	2	30	855	3	54	72	none	not applicable	not applicable	not applicable
WS6735	7891600165	4108 25th Avenue Southwest	2	2	30	826	3	54	72	none	not applicable	not applicable	not applicable
WS6736	7891600161	4106 25th Avenue Southwest	2	4	30	805	3	54	72	none	not applicable	not applicable	not applicable
WS2462	7891600160	4102 25th Avenue Southwest	2	2	30	786	3	54	72	none	not applicable	not applicable	not applicable
WS2464	7891600155	4100 25th Avenue Southwest	2	2	30	767	3	54	72	none	not applicable	not applicable	not applicable
WS5410	7891600261	4105 Delridge Way Southwest	2	3	30	820	3	54	72	none	not applicable	not applicable	not applicable
WS1188	7891600260	4103 Delridge Way Southwest	2	3	30	867	3	54	72	none	not applicable	not applicable	not applicable
WS1190	7891600270	4101 Delridge Way Southwest	2	2	30	841	3	54	72	none	not applicable	not applicable	not applicable
WS1182	7891600247	4109C Delridge Way Southwest	2	9	30	943	3	54	72	none	not applicable	not applicable	not applicable
WS5406	7891600251	4113 Delridge Way Southwest	2	3	30	924	3	54	72	none	not applicable	not applicable	not applicable
WS5407	7891600250	4111 Delridge Way Southwest	2	3	30	894	3	54	72	none	not applicable	not applicable	not applicable
WS1178	7891600235	4117 Delridge Way Southwest	2	12	30	984	3	54	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	638	3	54	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	30	298	0	52	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823 23rd Avenue Southwest	2	2	30	228	0	53	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	30	238	0	53	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	30	268	0	52	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	30	321	0	52	72	none	not applicable	not applicable	not applicable
WS1212	2445100295	3852 Delridge Way Southwest	2	1	30	316	0	52	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	30	359	0	52	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	30	377	0	52	72	none	not applicable	not applicable	not applicable
WS1208	7881500255	4000 Delridge Way Southwest	2	12	30	437	3	55	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	30	466	0	52	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	30	491	0	52	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	30	529	0	52	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	556	3	55	72	none	not applicable	not applicable	not applicable
WS1206	7881500285	4018 Delridge Way Southwest	2	1	30	497	3	55	72	none	not applicable	not applicable	not applicable
WS1204	7881500295	4022 Delridge Way Southwest	2	2	30	513	3	55	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	580	3	54	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	636	3	54	72	none	not applicable	not applicable	not applicable
WS1202	7881500310	4028 Delridge Way Southwest	2	2	30	574	3	54	72	none	not applicable	not applicable	not applicable
WS1200	2444600240	4030 Delridge Way Southwest	2	2	30	589	3	54	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	659	3	54	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	753	3	54	72	none	not applicable	not applicable	not applicable
WS1194	2444600275	4050 Delridge Way Southwest	2	4	30	751	3	54	72	none	not applicable	not applicable	not applicable
WS5413	2444600300	4057 23rd Avenue Southwest	2	1	30	856	3	54	72	none	not applicable	not applicable	not applicable
WS5415	2444600315	4049 23rd Avenue Southwest	2	1	30	806	3	54	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	982	3	54	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	1021	3	54	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	1062	3	54	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	1109	3	54	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	1152	3	54	72	none	not applicable	not applicable	not applicable
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	1199	3	54	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	1236	3	54	72	none	not applicable	not applicable	not applicable
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	1050	3	54	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	1098	3	54	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	1170	3	54	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	1214	3	54	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	1261	3	54	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	1302	3	53	72	none	not applicable	not applicable	not applicable
WS7156	9298300025	4001 32nd Avenue Southwest	2	4	40	341	3	63	72	none	not applicable	not applicable	not applicable
WS7114	9297301155	4049 32nd Avenue Southwest	2	2	40	421	0	59	72	none	not applicable	not applicable	not applicable
WS7154	9297301170	4105 32nd Avenue Southwest	2	2	30	415	3	55	72	none	not applicable	not applicable	not applicable
WS7221	9297301455	4039 Fauntleroy Way Southwest	2	2	30	651	3	54	72	none	not applicable	not applicable	not applicable
WS7222	9297301460	4043 Fauntleroy Way Southwest	2	2	30	659	3	54	72	none	not applicable	not applicable	not applicable
WS7223	9297301465	4101 Fauntleroy Way Southwest	2	2	30	655	0	51	72	none	not applicable	not applicable	not applicable
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	2	40	649	3	62	72	none	not applicable	not applicable	not applicable
WS7140	9297300670	3014 Southwest Andover Street	2	1	40	285	3	63	72	none	not applicable	not applicable	not applicable
WS7141	9297300675	3018 Southwest Andover Street	2	1	40	328	3	63	72	none	not applicable	not applicable	not applicable
WS7142	9297300680	3024 Southwest Andover Street	2	1	40	391	3	62	72	none	not applicable	not applicable	not applicable
WS7124	9298300030	3200 Southwest Andover Street	2	1	40	447	3	62	72	none	not applicable	not applicable	not applicable
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	40	618	3	62	72	none	not applicable	not applicable	not applicable
WS7225	9298300015	3221 Southwest Andover Street	2	1	40	561	3	62	72	none	not applicable	not applicable	not applicable
WS7226	9298300020	3215 Southwest Andover Street	2	1	40	518	3	62	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7156	9298300025	4001 32nd Avenue Southwest	2	1	40	424	3	62	72	none	not applicable	not applicable	not applicable
WS7143	9297301100	4005 32nd Avenue Southwest	2	1	40	416	3	62	72	none	not applicable	not applicable	not applicable
WS7120	9297301095	3021 Southwest Andover Street	2	1	40	301	3	63	72	none	not applicable	not applicable	not applicable
WS7117	9297301086	4008 32nd Avenue Southwest	2	1	40	291	3	63	72	none	not applicable	not applicable	not applicable
WS7212	9297301085	4012 32nd Avenue Southwest	2	1	40	281	3	63	72	none	not applicable	not applicable	not applicable
WS7211	9297301080	4014 32nd Avenue Southwest	2	1	40	275	3	63	72	none	not applicable	not applicable	not applicable
WS7210	9297301070	4018 32nd Avenue Southwest	2	1	40	269	3	63	72	none	not applicable	not applicable	not applicable
WS7207	9297301065	4022 32nd Avenue Southwest	2	1	40	275	3	63	72	none	not applicable	not applicable	not applicable
WS7206	9297301063	4026 32nd Avenue Southwest	2	1	40	259	3	63	72	none	not applicable	not applicable	not applicable
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	40	267	3	63	72	none	not applicable	not applicable	not applicable
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	40	269	3	63	72	none	not applicable	not applicable	not applicable
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	40	271	3	63	72	none	not applicable	not applicable	not applicable
WS5203	9297301180	4115 32nd Avenue Southwest	2	1	30	406	3	55	72	none	not applicable	not applicable	not applicable
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	30	388	3	55	72	none	not applicable	not applicable	not applicable
WS7116	9297301145	4039 32nd Avenue Southwest	2	1	40	416	3	62	72	none	not applicable	not applicable	not applicable
WS7115	9297301150	4045 32nd Avenue Southwest	2	1	40	413	3	62	72	none	not applicable	not applicable	not applicable
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	30	402	3	55	72	none	not applicable	not applicable	not applicable
WS7153	9297301165	4055 32nd Avenue Southwest	2	1	40	390	0	59	72	none	not applicable	not applicable	not applicable
WS7213	9297301160	4051 32nd Avenue Southwest	2	1	40	398	0	59	72	none	not applicable	not applicable	not applicable
WS7152	9297301135	4035 32nd Avenue Southwest	2	1	40	407	3	62	72	none	not applicable	not applicable	not applicable
WS7151	9297301134	4031 32nd Avenue Southwest	2	1	40	406	3	62	72	none	not applicable	not applicable	not applicable
WS7150	9297301130	4029 32nd Avenue Southwest	2	1	40	411	3	62	72	none	not applicable	not applicable	not applicable
WS7147	9297301125	4025 32nd Avenue Southwest	2	1	40	411	3	62	72	none	not applicable	not applicable	not applicable
WS7146	9297301120	4017 32nd Avenue Southwest	2	1	40	405	3	62	72	none	not applicable	not applicable	not applicable
WS7145	9297301115	4015 32nd Avenue Southwest	2	1	40	405	3	62	72	none	not applicable	not applicable	not applicable
WS7144	9297301106	4009 32nd Avenue Southwest	2	1	40	404	3	62	72	none	not applicable	not applicable	not applicable
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	30	278	3	55	72	none	not applicable	not applicable	not applicable
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	30	272	3	55	72	none	not applicable	not applicable	not applicable
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	30	270	3	55	72	none	not applicable	not applicable	not applicable
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	40	270	0	60	72	none	not applicable	not applicable	not applicable
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	40	275	0	60	72	none	not applicable	not applicable	not applicable
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	40	229	3	63	72	none	not applicable	not applicable	not applicable
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	40	647	0	59	72	none	not applicable	not applicable	not applicable
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	40	651	0	59	72	none	not applicable	not applicable	not applicable
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	30	637	0	51	72	none	not applicable	not applicable	not applicable
WS7341	6126601188	4840 Fauntleroy Way Southwest	2	1	30	625	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7342	6126601189	4842 Fauntleroy Way Southwest	2	1	30	618	0	51	72	none	not applicable	not applicable	not applicable
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	1	40	656	3	62	72	none	not applicable	not applicable	not applicable
WS5474	2848700230	3856 23rd Avenue Southwest	1	1	30	496	0	52	Cat 1	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-12. Summary of Vibration Analysis – Andover Street Station Lower Height Alternative (DEL-6a)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	30	235	3	57	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	30	237	3	57	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	30	241	3	57	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	30	258	3	56	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	30	275	3	56	72	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	30	222	3	58	72	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	846	3	54	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	775	0	51	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	758	0	51	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	790	0	51	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	800	0	51	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	741	0	51	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	717	0	51	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	709	0	51	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	30	706	3	54	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	30	686	3	54	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	30	633	3	54	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	30	546	3	55	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	30	530	3	55	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	30	540	0	52	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	538	0	52	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	533	0	52	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	540	0	52	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	569	0	52	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	607	0	51	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	30	628	0	51	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	30	430	3	55	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	30	455	3	55	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	30	360	3	55	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	30	334	3	55	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	30	280	3	56	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	30	253	3	56	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	30	236	3	57	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	30	229	3	57	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	30	224	3	57	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	30	218	3	58	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	30	214	3	58	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	30	206	3	58	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	30	229	3	57	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	30	327	0	52	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	30	297	0	52	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	157	3	61	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	98	3	65	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	30	354	0	52	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	30	308	0	52	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	30	281	0	53	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	258	3	56	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	205	3	58	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	128	3	62	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	105	3	64	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	30	81	3	66	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	30	428	3	55	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	402	3	55	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	388	0	52	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	386	0	52	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	390	0	52	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	30	417	0	52	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	30	433	0	52	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	30	449	0	52	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	30	469	0	52	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104B Southwest Avalon Way	2	1	30	443	3	55	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	30	436	3	55	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078E Southwest Avalon Way	2	3	30	430	3	55	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	30	423	3	55	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070B Southwest Avalon Way	2	12	30	428	3	55	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062B Southwest Avalon Way	2	12	40	421	0	59	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	40	408	0	59	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	40	420	3	62	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	40	405	3	62	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	40	396	3	62	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	40	351	3	62	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	40	365	3	62	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026 A Southwest Avalon Way	2	6	40	355	3	62	72	none	not applicable	not applicable	not applicable
WS7193	9297300855	3028 A Southwest Avalon Way	2	6	40	310	3	63	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	40	340	3	63	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	40	286	3	63	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	40	304	3	63	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	40	261	3	63	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS82500	7732800000	3000 Southwest Avalon Way	2	18	40	255	3	63	72	none	not applicable	not applicable	not applicable
WS7184	9297300645	3004 Southwest Andover Street	2	1	40	138	3	68	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	40	108	3	70	72	none	not applicable	not applicable	not applicable
not available	not available	not available	2	1	40	89	3	72	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	40	289	0	60	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	40	287	0	60	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	40	287	0	60	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	40	287	0	60	72	none	not applicable	not applicable	not applicable
WS7235	9358000515	2821 Southwest Yancy Street	2	1	40	298	0	60	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	1	40	292	0	60	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	40	294	0	60	72	none	not applicable	not applicable	not applicable
WS7240	9358000551	2831 B Southwest Yancy Street	2	6	40	327	0	60	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	2	40	291	0	60	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839C Southwest Yancy Street	2	1	40	304	3	63	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	40	330	3	63	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	40	347	3	63	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	40	298	3	63	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	40	288	3	63	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	40	277	3	63	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	40	397	3	62	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854 B Southwest Dakota Street	2	2	40	397	3	62	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	40	428	3	62	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	40	436	3	62	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	40	440	3	62	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	40	485	3	62	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	40	523	3	62	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	40	629	3	62	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	40	577	3	62	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	40	538	0	59	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	30	542	3	55	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	30	542	3	55	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	30	554	3	55	72	none	not applicable	not applicable	not applicable
WS5260	9297300807	4209 30th Avenue Southwest	2	15	40	629	3	62	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	686	3	54	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	587	3	54	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	30	567	3	55	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	30	703	3	54	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	30	790	3	54	72	none	not applicable	not applicable	not applicable
WS1102	9358002340	4316 30th Avenue Southwest	2	6	30	903	3	54	72	none	not applicable	not applicable	not applicable
WS1104	9358002350	2852 Southwest Genesee Street	2	2	30	943	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1106	9358002351	2850 Southwest Genesee Street	2	2	30	980	3	54	72	none	not applicable	not applicable	not applicable
WS1110	9358002365	2842 Southwest Genesee Street	2	2	30	1014	3	54	72	none	not applicable	not applicable	not applicable
WS1112	9358002374	2838B Southwest Genesee Street	2	3	30	1059	3	54	72	none	not applicable	not applicable	not applicable
WS5270	9358002375	2838A Southwest Genesee Street	2	3	30	1045	3	54	72	none	not applicable	not applicable	not applicable
WS5271	9358002373	2836B Southwest Genesee Street	2	3	30	1071	3	54	72	none	not applicable	not applicable	not applicable
WS1114	9358002372	2836A Southwest Genesee Street	2	3	30	1087	3	54	72	none	not applicable	not applicable	not applicable
WS1116	9358002390	2834 Southwest Genesee Street	2	2	30	1115	3	54	72	none	not applicable	not applicable	not applicable
WS1120	9358002400	2828 Southwest Genesee Street	2	4	30	1170	3	54	72	none	not applicable	not applicable	not applicable
WS1122	9358002410	2822 Southwest Genesee Street	2	4	30	1215	3	54	72	none	not applicable	not applicable	not applicable
WS1124	9358002425	2818 Southwest Genesee Street	2	3	40	1258	0	58	72	none	not applicable	not applicable	not applicable
WS5287	9358002426	2816 Southwest Genesee Street	2	3	40	1211	0	58	72	none	not applicable	not applicable	not applicable
WS1128	9358002430	2808 Southwest Genesee Street	2	2	40	1266	0	58	72	none	not applicable	not applicable	not applicable
WS5291	9358002238	2809 B Southwest Nevada Street	2	2	40	1209	0	58	72	none	not applicable	not applicable	not applicable
WS5292	9358002440	2809 A Southwest Nevada Street	2	3	40	1199	0	58	72	none	not applicable	not applicable	not applicable
WS5297	9358002223	2801D Southwest Nevada Street	2	6	40	1159	0	58	72	none	not applicable	not applicable	not applicable
WS5301	9358002221	2801B Southwest Nevada Street	2	6	40	1114	0	58	72	none	not applicable	not applicable	not applicable
WS5295	9358002230	2807 B Southwest Nevada Street	2	6	40	1139	0	58	72	none	not applicable	not applicable	not applicable
WS5293	9358002236	2811 B Southwest Nevada Street	2	6	40	1139	0	58	72	none	not applicable	not applicable	not applicable
WS5285	9358002254	2815 B Southwest Nevada Street	2	6	40	1149	0	58	72	none	not applicable	not applicable	not applicable
WS5283	9358002252	2817 A Southwest Nevada Street	2	6	40	1148	0	58	72	none	not applicable	not applicable	not applicable
WS5282	9358002260	2821 Southwest Nevada Street	2	2	40	1149	0	58	72	none	not applicable	not applicable	not applicable
WS5281	9358002265	2827 Southwest Nevada Street	2	2	30	1135	3	54	72	none	not applicable	not applicable	not applicable
WS5280	9358002270	2831 A Southwest Nevada Street	2	3	30	1091	3	54	72	none	not applicable	not applicable	not applicable
WS5277	9358002271	2831 B Southwest Nevada Street	2	3	30	1110	3	54	72	none	not applicable	not applicable	not applicable
WS5275	9358002286	2833 B Southwest Nevada Street	2	3	30	1084	3	54	72	none	not applicable	not applicable	not applicable
WS5276	9358002285	2833 A Southwest Nevada Street	2	3	30	1064	3	54	72	none	not applicable	not applicable	not applicable
WS5272	9358002292	2841 Southwest Nevada Street	2	4	30	1048	3	54	72	none	not applicable	not applicable	not applicable
WS5274	9358002290	2837 Southwest Nevada Street	2	4	30	1028	3	54	72	none	not applicable	not applicable	not applicable
WS5267	9358002300	2843 Southwest Nevada Street	2	2	30	1013	3	54	72	none	not applicable	not applicable	not applicable
WS5265	9358002307	2849 Southwest Nevada Street	2	3	30	978	3	54	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	30	941	3	54	72	none	not applicable	not applicable	not applicable
WS5266	9358002306	2847 Southwest Nevada Street	2	3	30	952	3	54	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	30	922	3	54	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	30	900	3	54	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	30	867	3	54	72	none	not applicable	not applicable	not applicable
WS5361	9358002060	2641 Southwest Nevada Street	2	3	40	1126	0	58	72	none	not applicable	not applicable	not applicable
WS5362	9358002049	2637 Southwest Nevada Street	2	4	40	1131	0	58	72	none	not applicable	not applicable	not applicable
WS5364	9358002047	2635 Southwest Nevada Street	2	4	40	1136	0	58	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	3	40	1224	0	58	72	none	not applicable	not applicable	not applicable
WS61200	2472850000	2629 Southwest Nevada Street	2	4	40	1150	0	58	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5367	9358002025	2623 Southwest Nevada Street	2	2	40	1119	0	58	72	none	not applicable	not applicable	not applicable
WS5370	9358002015	2621 Southwest Nevada Street	2	9	40	1160	0	58	72	none	not applicable	not applicable	not applicable
WS1138	9358002180	2616 Southwest Genesee Street	2	2	30	1227	3	54	72	none	not applicable	not applicable	not applicable
WS2428	9358002190	2614 Southwest Genesee Street	2	3	30	1252	3	54	72	none	not applicable	not applicable	not applicable
WS5374	9358002192	2610 Southwest Genesee Street	2	6	30	1211	3	54	72	none	not applicable	not applicable	not applicable
WS5371	9358002005	2613 Southwest Nevada Street	2	2	30	1134	3	54	72	none	not applicable	not applicable	not applicable
WS6712	9358001995	2611C Southwest Nevada Street	2	2	30	1117	3	54	72	none	not applicable	not applicable	not applicable
WS1140	1772600735	4401 26th Avenue Southwest	2	1	30	1351	3	53	72	none	not applicable	not applicable	not applicable
WS5376	1772600730	4405 26th Avenue Southwest	2	1	30	1391	3	53	72	none	not applicable	not applicable	not applicable
WS5377	1772600725	4409 26th Avenue Southwest	2	1	30	1424	3	53	72	none	not applicable	not applicable	not applicable
WS5380	1772600715	4415 26th Avenue Southwest	2	1	30	1463	3	53	72	none	not applicable	not applicable	not applicable
WS2430	9358002210	2604 Southwest Genesee Street	2	8	30	1233	3	54	72	none	not applicable	not applicable	not applicable
WS2434	9358002200	4313 26th Avenue Southwest	2	2	30	1206	3	54	72	none	not applicable	not applicable	not applicable
WS6711	9358001997	2611A Southwest Nevada Street	2	4	30	1153	3	54	72	none	not applicable	not applicable	not applicable
WS2436	9358001980	2609 Southwest Nevada Street	2	2	30	1108	3	54	72	none	not applicable	not applicable	not applicable
WS5396	3574300046	4310 26th Avenue Southwest	2	4	30	1234	3	54	72	none	not applicable	not applicable	not applicable
WS5395	3574300044	4312 26th Avenue Southwest	2	4	30	1195	3	54	72	none	not applicable	not applicable	not applicable
WS6713	3574300030	4302 26th Avenue Southwest	2	2	30	1133	3	54	72	none	not applicable	not applicable	not applicable
WS2438	3574300020	4308A 26th Avenue Southwest	2	2	30	1085	3	54	72	none	not applicable	not applicable	not applicable
WS5400	3574300095	4143 25th Avenue Southwest	2	3	30	1153	3	54	72	none	not applicable	not applicable	not applicable
WS6714	3574300100	4139 25th Avenue Southwest	2	2	30	1092	3	54	72	none	not applicable	not applicable	not applicable
WS6715	3574300110	4137 25th Avenue Southwest	2	2	30	1063	3	54	72	none	not applicable	not applicable	not applicable
WS6717	3574300115	4131 25th Avenue Southwest	2	2	30	1019	3	54	72	none	not applicable	not applicable	not applicable
WS6716	3574300116	4133 25th Avenue Southwest	2	2	30	1011	3	54	72	none	not applicable	not applicable	not applicable
WS2440	3574300010	4222 26th Avenue Southwest	2	2	30	1041	3	54	72	none	not applicable	not applicable	not applicable
WS2442	3574300005	4218 26th Avenue Southwest	2	2	30	1017	3	54	72	none	not applicable	not applicable	not applicable
WS2444	7891600065	4216 26th Avenue Southwest	2	2	30	986	3	54	72	none	not applicable	not applicable	not applicable
WS2450	7891600070	4127 25th Avenue Southwest	2	2	30	979	3	54	72	none	not applicable	not applicable	not applicable
WS2452	7891600075	4213 25th Avenue Southwest	2	2	30	940	3	54	72	none	not applicable	not applicable	not applicable
WS2446	7891600060	4212 26th Avenue Southwest	2	2	30	967	3	54	72	none	not applicable	not applicable	not applicable
WS2448	7891600055	4210 26th Avenue Southwest	2	2	30	939	3	54	72	none	not applicable	not applicable	not applicable
WS6720	7891600045	4206 26th Avenue Southwest	2	2	30	912	3	54	72	none	not applicable	not applicable	not applicable
WS2454	7891600090	4121 25th Avenue Southwest	2	2	30	911	3	54	72	none	not applicable	not applicable	not applicable
WS10018	7891600105	4115 25th Avenue Southwest	2	4	30	871	3	54	72	none	not applicable	not applicable	not applicable
WS6721	7891600040	4202 26th Avenue Southwest	2	2	30	866	3	54	72	none	not applicable	not applicable	not applicable
WS6722	7891600035	4200 26th Avenue Southwest	2	2	30	837	3	54	72	none	not applicable	not applicable	not applicable
WS6723	7891600019	4110 26th Avenue Southwest	2	2	30	812	3	54	72	none	not applicable	not applicable	not applicable
WS6724	7891600015	4108 26th Avenue Southwest	2	2	30	791	3	54	72	none	not applicable	not applicable	not applicable
WS6726	7891600017	4106 26th Avenue Southwest	2	4	30	763	3	54	72	none	not applicable	not applicable	not applicable
WS6727	7891600005	4102 26th Avenue Southwest	2	2	30	723	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6730	7891600140	2507 Southwest Dakota Street	2	2	30	753	3	54	72	none	not applicable	not applicable	not applicable
WS2460	7891600125	4109 25th Avenue Southwest	2	2	30	824	3	54	72	none	not applicable	not applicable	not applicable
WS6731	7891600135	2501 Southwest Dakota Street	2	2	30	777	3	54	72	none	not applicable	not applicable	not applicable
WS6753	9358001956	4217 26th Avenue Southwest	2	4	30	987	3	54	72	none	not applicable	not applicable	not applicable
WS6754	9358001950	4215 26th Avenue Southwest	2	4	30	943	3	54	72	none	not applicable	not applicable	not applicable
WS6752	9358001955	2608 Southwest Nevada Street	2	2	30	996	3	54	72	none	not applicable	not applicable	not applicable
WS1142	3574300056	2518 Southwest Genesee Street	2	2	30	1281	3	53	72	none	not applicable	not applicable	not applicable
WS1144	3574300055	2512 Southwest Genesee Street	2	2	30	1288	3	53	72	none	not applicable	not applicable	not applicable
WS3014	3574300065	4159 25th Avenue Southwest	2	4	30	1294	3	53	72	none	not applicable	not applicable	not applicable
WS1146	3574300070	4155 25th Avenue Southwest	2	4	30	1269	3	54	72	none	not applicable	not applicable	not applicable
WS1150	3574300071	4151 25th Avenue Southwest	2	3	30	1230	3	54	72	none	not applicable	not applicable	not applicable
WS1152	3574300085	4147B 25th Avenue Southwest	2	2	30	1205	3	54	72	none	not applicable	not applicable	not applicable
WS3018	3574300170	2414 Southwest Genesee Street	2	2	30	1307	3	53	72	none	not applicable	not applicable	not applicable
WS7057	3574300185	not available	2	3	30	1333	3	53	72	none	not applicable	not applicable	not applicable
WS7060	3574300195	4151 Delridge Way Southwest	2	3	30	1278	3	54	72	none	not applicable	not applicable	not applicable
WS3020	3574300165	4150 25th Avenue Southwest	2	2	30	1247	3	54	72	none	not applicable	not applicable	not applicable
WS3022	3574300160	4148 A 25th Avenue Southwest	2	3	30	1227	3	54	72	none	not applicable	not applicable	not applicable
WS3026	3574300155	4146 A 25th Avenue Southwest	2	3	30	1208	3	54	72	none	not applicable	not applicable	not applicable
WS3028	3574300156	4146 B 25th Avenue Southwest	2	3	30	1218	3	54	72	none	not applicable	not applicable	not applicable
WS3024	3574300161	4148 B 25th Avenue Southwest	2	3	30	1234	3	54	72	none	not applicable	not applicable	not applicable
WS7061	3574300205	4147 Delridge Way Southwest	2	2	30	1234	3	54	72	none	not applicable	not applicable	not applicable
WS3032	3574300217	4141 Delridge Way Southwest	2	6	30	1180	3	54	72	none	not applicable	not applicable	not applicable
WS3034	3574300225	4137 Delridge Way Southwest	2	4	30	1146	3	54	72	none	not applicable	not applicable	not applicable
WS1154	3574300150	4144 25th Avenue Southwest	2	2	30	1192	3	54	72	none	not applicable	not applicable	not applicable
WS1156	3574300145	4140 25th Avenue Southwest	2	2	30	1172	3	54	72	none	not applicable	not applicable	not applicable
WS1164	3574300136	4134 25th Avenue Southwest	2	3	30	1145	3	54	72	none	not applicable	not applicable	not applicable
WS1158	3574300135	4138C 25th Avenue Southwest	2	6	30	1136	3	54	72	none	not applicable	not applicable	not applicable
WS1166	3574300127	4132 B 25th Avenue Southwest	2	2	30	1101	3	54	72	none	not applicable	not applicable	not applicable
WS1170	3574300235	4131 Delridge Way Southwest	2	4	30	1104	3	54	72	none	not applicable	not applicable	not applicable
WS1172	7891600215	4127 Delridge Way Southwest	2	1	30	1081	3	54	72	none	not applicable	not applicable	not applicable
WS1174	7891600225	4123 Delridge Way Southwest	2	12	30	1038	3	54	72	none	not applicable	not applicable	not applicable
WS5401	3574300125	4130 25th Avenue Southwest	2	2	30	1088	3	54	72	none	not applicable	not applicable	not applicable
WS5404	7891600206	4128C 25th Avenue Southwest	2	3	30	1054	3	54	72	none	not applicable	not applicable	not applicable
WS5403	7891600205	4128B 25th Avenue Southwest	2	3	30	1043	3	54	72	none	not applicable	not applicable	not applicable
WS5402	7891600204	4128A 25th Avenue Southwest	2	3	30	1033	3	54	72	none	not applicable	not applicable	not applicable
WS5405	7891600200	4122 25th Avenue Southwest	2	2	30	1002	3	54	72	none	not applicable	not applicable	not applicable
WS6732	7891600190	4118 25th Avenue Southwest	2	2	30	937	3	54	72	none	not applicable	not applicable	not applicable
WS6733	7891600180	4116 25th Avenue Southwest	2	2	30	898	3	54	72	none	not applicable	not applicable	not applicable
WS6734	7891600175	4110 25th Avenue Southwest	2	2	30	862	3	54	72	none	not applicable	not applicable	not applicable
WS6735	7891600165	4108 25th Avenue Southwest	2	2	30	833	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6736	7891600161	4106 25th Avenue Southwest	2	4	30	813	3	54	72	none	not applicable	not applicable	not applicable
WS2462	7891600160	4102 25th Avenue Southwest	2	2	30	793	3	54	72	none	not applicable	not applicable	not applicable
WS2464	7891600155	4100 25th Avenue Southwest	2	2	30	774	3	54	72	none	not applicable	not applicable	not applicable
WS5410	7891600261	4105 Delridge Way Southwest	2	3	30	826	3	54	72	none	not applicable	not applicable	not applicable
WS1188	7891600260	4103 Delridge Way Southwest	2	3	30	872	3	54	72	none	not applicable	not applicable	not applicable
WS1190	7891600270	4101 Delridge Way Southwest	2	2	30	846	3	54	72	none	not applicable	not applicable	not applicable
WS1182	7891600247	4109C Delridge Way Southwest	2	9	30	949	3	54	72	none	not applicable	not applicable	not applicable
WS5406	7891600251	4113 Delridge Way Southwest	2	3	30	930	3	54	72	none	not applicable	not applicable	not applicable
WS5407	7891600250	4111 Delridge Way Southwest	2	3	30	901	3	54	72	none	not applicable	not applicable	not applicable
WS1178	7891600235	4117 Delridge Way Southwest	2	12	30	990	3	54	72	none	not applicable	not applicable	not applicable
WS6790	2444600025	4040 26th Avenue Southwest	2	100	30	646	3	54	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	30	300	0	52	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823 23rd Avenue Southwest	2	2	30	230	0	54	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	30	241	0	54	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	30	272	0	53	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	30	324	0	52	72	none	not applicable	not applicable	not applicable
WS1212	2445100295	3852 Delridge Way Southwest	2	1	30	320	0	52	72	none	not applicable	not applicable	not applicable
WS5472	2848700105	3853 23rd Avenue Southwest	2	2	30	363	0	52	72	none	not applicable	not applicable	not applicable
WS5471	2848700115	3857 23rd Avenue Southwest	2	2	30	381	0	52	72	none	not applicable	not applicable	not applicable
WS1208	7881500255	4000 Delridge Way Southwest	2	12	30	439	3	55	72	none	not applicable	not applicable	not applicable
WS5426	7881500370	2303 Southwest Andover Street	2	1	30	471	0	52	72	none	not applicable	not applicable	not applicable
WS5425	7881500360	4007 23rd Avenue Southwest	2	1	30	495	0	52	72	none	not applicable	not applicable	not applicable
WS5424	7881500350	4011 23rd Avenue Southwest	2	1	30	534	3	55	72	none	not applicable	not applicable	not applicable
WS5423	7881500340	4017 23rd Avenue Southwest	2	1	30	558	3	55	72	none	not applicable	not applicable	not applicable
WS1206	7881500285	4018 Delridge Way Southwest	2	1	30	498	3	55	72	none	not applicable	not applicable	not applicable
WS1204	7881500295	4022 Delridge Way Southwest	2	2	30	515	3	55	72	none	not applicable	not applicable	not applicable
WS5422	7881500330	4021 23rd Avenue Southwest	2	1	30	581	3	54	72	none	not applicable	not applicable	not applicable
WS5421	7881500320	4029 23rd Avenue Southwest	2	1	30	637	3	54	72	none	not applicable	not applicable	not applicable
WS1202	7881500310	4028 Delridge Way Southwest	2	2	30	576	3	54	72	none	not applicable	not applicable	not applicable
WS1200	2444600240	4030 Delridge Way Southwest	2	2	30	591	3	54	72	none	not applicable	not applicable	not applicable
WS5420	2444600335	4033 23rd Avenue Southwest	2	1	30	660	3	54	72	none	not applicable	not applicable	not applicable
WS5416	2444600325	4043 23rd Avenue Southwest	2	1	30	755	3	54	72	none	not applicable	not applicable	not applicable
WS1194	2444600275	4050 Delridge Way Southwest	2	4	30	755	3	54	72	none	not applicable	not applicable	not applicable
WS5413	2444600300	4057 23rd Avenue Southwest	2	1	30	859	3	54	72	none	not applicable	not applicable	not applicable
WS5415	2444600315	4049 23rd Avenue Southwest	2	1	30	809	3	54	72	none	not applicable	not applicable	not applicable
WS5411	7891600385	4107 23rd Avenue Southwest	2	1	30	986	3	54	72	none	not applicable	not applicable	not applicable
WS7086	7891600365	4111 23rd Avenue Southwest	2	1	30	1025	3	54	72	none	not applicable	not applicable	not applicable
WS7085	7891600335	4115 23rd Avenue Southwest	2	1	30	1066	3	54	72	none	not applicable	not applicable	not applicable
WS7084	7891600330	4123 23rd Avenue Southwest	2	1	30	1113	3	54	72	none	not applicable	not applicable	not applicable
WS7083	7891600325	4127 23rd Avenue Southwest	2	1	30	1157	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7082	7892100005	4133 23rd Avenue Southwest	2	1	30	1204	3	54	72	none	not applicable	not applicable	not applicable
WS7081	7892100015	4137 23rd Avenue Southwest	2	1	30	1242	3	54	72	none	not applicable	not applicable	not applicable
WS3036	7891600310	4118 Delridge Way Southwest	2	2	30	1056	3	54	72	none	not applicable	not applicable	not applicable
WS7074	7891600320	4120 Delridge Way Southwest	2	4	30	1103	3	54	72	none	not applicable	not applicable	not applicable
WS7072	3574300250	4134 Delridge Way Southwest	2	2	30	1176	3	54	72	none	not applicable	not applicable	not applicable
WS7071	3574300255	4140 Delridge Way Southwest	2	2	30	1220	3	54	72	none	not applicable	not applicable	not applicable
WS7070	3574300260	4142 Delridge Way Southwest	2	4	30	1267	3	54	72	none	not applicable	not applicable	not applicable
WS7067	3574300259	4144 Delridge Way Southwest	2	4	30	1308	3	53	72	none	not applicable	not applicable	not applicable
WS7154	9297301170	4105 32nd Avenue Southwest	2	2	40	50	0	74	72	2	not applicable	not applicable	not applicable
WS7221	9297301455	4039 Fauntleroy Way Southwest	2	2	40	156	0	64	72	none	not applicable	not applicable	not applicable
WS7222	9297301460	4043 Fauntleroy Way Southwest	2	2	30	159	3	60	72	none	not applicable	not applicable	not applicable
WS7223	9297301465	4101 Fauntleroy Way Southwest	2	2	30	159	3	60	72	none	not applicable	not applicable	not applicable
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	2	40	164	3	67	72	none	not applicable	not applicable	not applicable
WS7124	9298300030	3200 Southwest Andover Street	2	1	40	90	3	72	72	none	not applicable	not applicable	not applicable
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	40	248	3	63	72	none	not applicable	not applicable	not applicable
WS7225	9298300015	3221 Southwest Andover Street	2	1	40	157	3	67	72	none	not applicable	not applicable	not applicable
WS7226	9298300020	3215 Southwest Andover Street	2	1	40	118	3	69	72	none	not applicable	not applicable	not applicable
WS7120	9297301095	3021 Southwest Andover Street	2	1	40	56	3	76	72	4	not applicable	not applicable	not applicable
WS7117	9297301086	4008 32nd Avenue Southwest	2	1	40	76	3	73	72	1	not applicable	not applicable	not applicable
WS7212	9297301085	4012 32nd Avenue Southwest	2	1	40	99	3	63	72	none	not applicable	not applicable	not applicable
WS7211	9297301080	4014 32nd Avenue Southwest	2	1	40	116	3	63	72	none	not applicable	not applicable	not applicable
WS7210	9297301070	4018 32nd Avenue Southwest	2	1	40	132	3	63	72	none	not applicable	not applicable	not applicable
WS7207	9297301065	4022 32nd Avenue Southwest	2	1	40	138	3	63	72	none	not applicable	not applicable	not applicable
WS7206	9297301063	4026 32nd Avenue Southwest	2	1	40	162	3	63	72	none	not applicable	not applicable	not applicable
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	40	163	3	63	72	none	not applicable	not applicable	not applicable
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	40	169	3	66	72	none	not applicable	not applicable	not applicable
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	40	174	3	66	72	none	not applicable	not applicable	not applicable
WS5203	9297301180	4115 32nd Avenue Southwest	2	1	30	67	3	68	72	none	not applicable	not applicable	not applicable
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	30	81	3	66	72	none	not applicable	not applicable	not applicable
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	30	66	3	68	72	none	not applicable	not applicable	not applicable
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	40	190	0	62	72	none	not applicable	not applicable	not applicable
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	40	192	0	62	72	none	not applicable	not applicable	not applicable
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	40	190	0	62	72	none	not applicable	not applicable	not applicable
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	40	188	3	65	72	none	not applicable	not applicable	not applicable
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	40	178	3	66	72	none	not applicable	not applicable	not applicable
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	40	219	3	64	72	none	not applicable	not applicable	not applicable
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	40	158	3	67	72	none	not applicable	not applicable	not applicable
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	40	159	0	64	72	none	not applicable	not applicable	not applicable
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	30	165	3	60	72	none	not applicable	not applicable	not applicable
WS7341	6126601188	4840 Fauntleroy Way Southwest	2	1	30	173	3	60	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7342	6126601189	4842 Fauntleroy Way Southwest	2	1	30	183	3	59	72	none	not applicable	not applicable	not applicable
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	1	40	174	3	66	72	none	not applicable	not applicable	not applicable
WS5474	2848700230	3856 23rd Avenue Southwest	1	1	30	499	0	52	Cat 1	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-13. Summary of Vibration Analysis – Preferred Andover Street Station Lower Height South Alignment Option (DEL-6b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	40	235	0	60	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	40	237	0	60	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	40	240	0	60	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	40	262	0	60	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	40	280	0	60	72	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	30	225	3	56	72	none	not applicable	not applicable	not applicable
WS81400	321050000	3271 Southwest Avalon Way	2	24	30	755	0	51	72	none	not applicable	not applicable	not applicable
WS81400	321050000	3271 Southwest Avalon Way	2	80	30	730	0	51	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	719	0	51	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	30	713	0	47	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	30	692	3	50	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	30	638	3	50	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	30	552	3	50	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	30	537	0	47	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	30	550	0	47	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	549	0	47	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	546	0	52	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	554	0	52	72	none	not applicable	not applicable	not applicable
WS60800	321000000	3256 Southwest Avalon Way	2	32	30	584	0	51	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	622	0	51	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	30	642	0	51	72	none	not applicable	not applicable	not applicable
WS81600	321500000	3112 Southwest Avalon Way	2	16	30	435	3	51	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	30	461	3	51	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	30	367	3	51	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	30	342	3	51	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	30	287	3	51	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	30	260	3	51	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	30	242	3	51	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	30	235	3	51	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	30	229	3	51	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	30	220	3	52	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	30	213	3	52	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	30	200	3	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	40	217	0	59	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	30	343	0	48	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	30	314	0	48	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	169	3	52	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	107	3	53	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	30	368	0	52	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	30	325	0	48	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	30	296	0	48	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	271	0	48	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	218	3	52	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	138	3	52	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	115	3	53	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	30	87	3	55	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	30	436	0	48	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	411	0	48	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	399	0	48	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	398	0	48	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	404	0	48	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	30	433	0	52	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	30	449	0	52	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	30	464	0	52	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	30	484	0	52	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104b Southwest Avalon Way	2	1	30	447	3	51	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	30	436	3	51	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078e Southwest Avalon Way	2	3	30	428	3	51	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	40	416	0	58	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070b Southwest Avalon Way	2	12	40	415	0	58	72	none	not applicable	not applicable	not applicable
WS5250	9297300902	3062b Southwest Avalon Way	2	12	40	400	3	62	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	40	380	3	62	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	40	377	3	62	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	40	343	3	62	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	40	317	3	62	72	none	not applicable	not applicable	not applicable
WS7123	9297300865	3036 Southwest Avalon Way	2	1	40	265	3	62	72	none	not applicable	not applicable	not applicable
WS7195	9297300860	3032 Southwest Avalon Way	2	6	40	265	3	62	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026a Southwest Avalon Way	2	6	40	247	3	62	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7193	9297300855	3028a Southwest Avalon Way	2	6	40	208	3	62	72	none	not applicable	not applicable	not applicable
WS7191	9297300851	3026a Southwest Avalon Way	2	2	40	221	3	62	72	none	not applicable	not applicable	not applicable
WS7190	9297300845	3018 Southwest Avalon Way	2	2	40	170	3	63	72	none	not applicable	not applicable	not applicable
WS7187	9297300840	3014 Southwest Avalon Way	2	1	40	173	3	63	72	none	not applicable	not applicable	not applicable
WS7186	9297300835	3010 Southwest Avalon Way	2	1	40	127	3	64	72	none	not applicable	not applicable	not applicable
WS7185	9297300665	3008 Southwest Andover Street	2	1	40	26	3	73	72	<1	not applicable	not applicable	not applicable
WS7137	9297300640	2988 Southwest Avalon Way	2	12	40	82	3	64	72	none	not applicable	not applicable	not applicable
WS7136	9297300630	2980 Southwest Avalon Way	2	18	40	128	3	64	72	none	not applicable	not applicable	not applicable
WS7227	9358000485	2803 Southwest Yancy Street	2	1	40	102	0	61	72	none	not applicable	not applicable	not applicable
WS7231	9358000490	2805 Southwest Yancy Street	2	1	40	101	0	61	72	none	not applicable	not applicable	not applicable
WS7232	9358000500	2807 Southwest Yancy Street	2	1	40	100	0	61	72	none	not applicable	not applicable	not applicable
WS7233	9358000505	2811 Southwest Yancy Street	2	1	40	100	0	61	72	none	not applicable	not applicable	not applicable
WS7236	9358000540	2827 Southwest Yancy Street	2	1	40	112	0	61	72	none	not applicable	not applicable	not applicable
WS7236	9358000540	2827 Southwest Yancy Street	2	1	40	106	0	61	72	none	not applicable	not applicable	not applicable
WS7237	9358000550	2833 Southwest Yancy Street	2	4	40	108	0	61	72	none	not applicable	not applicable	not applicable
WS7242	9358000560	2835 Southwest Yancy Street	2	6	40	141	0	61	72	none	not applicable	not applicable	not applicable
WS7245	9358000568	2839a Southwest Yancy Street	2	2	40	105	0	61	72	none	not applicable	not applicable	not applicable
WS7243	9358000565	2839c Southwest Yancy Street	2	1	40	119	3	64	72	none	not applicable	not applicable	not applicable
WS7246	9358000575	2841 Southwest Yancy Street	2	1	40	146	3	64	72	none	not applicable	not applicable	not applicable
WS7161	9358000595	2851 Southwest Yancy Street	2	1	40	166	3	63	72	none	not applicable	not applicable	not applicable
WS7162	9358000600	2853 Southwest Yancy Street	2	1	40	121	3	64	72	none	not applicable	not applicable	not applicable
WS7164	9358000606	4052 30th Avenue Southwest	2	1	40	114	3	64	72	none	not applicable	not applicable	not applicable
WS7163	9358000605	4050 30th Avenue Southwest	2	8	40	106	3	64	72	none	not applicable	not applicable	not applicable
WS7247	9358000615	4060 30th Avenue Southwest	2	2	40	233	3	63	72	none	not applicable	not applicable	not applicable
WS7251	9358000626	2854b Southwest Dakota Street	2	2	40	226	3	63	72	none	not applicable	not applicable	not applicable
WS7250	9358000625	2856 Southwest Dakota Street	2	2	40	258	3	63	72	none	not applicable	not applicable	not applicable
WS7253	9358000635	2844 Southwest Dakota Street	2	1	40	255	3	63	72	none	not applicable	not applicable	not applicable
WS82100	8602230000	3001 Southwest Avalon Way	2	12	40	306	3	63	72	none	not applicable	not applicable	not applicable
WS82000	7569000000	3015 Southwest Avalon Way	2	40	40	374	3	62	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	4	40	366	3	62	72	none	not applicable	not applicable	not applicable
WS7292	9358001364	2862 Southwest Adams Street	2	5	40	491	3	62	72	none	not applicable	not applicable	not applicable
WS22008	9358001345	2851 Southwest Dakota Street	2	2	40	417	3	62	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	40	515	3	61	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	40	532	0	58	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	40	536	0	58	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5255	9297300740	3047 Southwest Avalon Way	2	2	40	539	0	58	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	40	664	3	61	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	591	3	50	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	30	569	3	50	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	30	706	3	50	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	30	790	3	50	72	none	not applicable	not applicable	not applicable
WS1102	9358002340	4316 30th Avenue Southwest	2	6	40	897	0	58	72	none	not applicable	not applicable	not applicable
WS1104	9358002350	2852 Southwest Genesee Street	2	2	40	934	0	57	72	none	not applicable	not applicable	not applicable
WS1106	9358002351	2850 Southwest Genesee Street	2	2	40	969	0	57	72	none	not applicable	not applicable	not applicable
WS1110	9358002365	2842 Southwest Genesee Street	2	2	40	1001	0	57	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	40	920	3	61	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	40	895	3	61	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	40	877	3	61	72	none	not applicable	not applicable	not applicable
WS5261	9358002330	4302 30th Avenue Southwest	2	2	40	849	3	61	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	30	314	3	55	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823a 23rd Avenue Southwest	2	2	30	244	3	56	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	30	252	3	56	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	30	278	0	52	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	30	329	0	52	72	none	not applicable	not applicable	not applicable
WS1212	2445100295	3852 Delridge Way Southwest	2	1	30	320	0	52	72	none	not applicable	not applicable	not applicable
WS7321	1324039010	2970 Southwest Avalon Way	2	4	40	242	3	63	72	none	not applicable	not applicable	not applicable
WS7401	1324039102	3021 Southwest Bradford Street	2	96	40	264	3	63	72	none	not applicable	not applicable	not applicable
WS7221	9297301455	4039 Fautleroy Way Southwest	2	2	40	193	0	59	72	none	not applicable	not applicable	not applicable
WS7222	9297301460	4043 Fautleroy Way Southwest	2	2	40	191	0	59	72	none	not applicable	not applicable	not applicable
WS7223	9297301465	4101 Fautleroy Way Southwest	2	2	30	185	3	52	72	none	not applicable	not applicable	not applicable
WS7216	9297301440	4027 Fautleroy Way Southwest	2	2	40	263	3	62	72	none	not applicable	not applicable	not applicable
WS7140	9297300670	3014 Southwest Andover Street	2	1	40	92	3	64	72	none	not applicable	not applicable	not applicable
WS7141	9297300675	3018 Southwest Andover Street	2	1	40	132	3	64	72	none	not applicable	not applicable	not applicable
WS7142	9297300680	3024 Southwest Andover Street	2	1	40	189	3	63	72	none	not applicable	not applicable	not applicable
WS7124	9298300030	3200 Southwest Andover Street	2	1	40	239	3	62	72	none	not applicable	not applicable	not applicable
WS7400	1324039009	3228 Southwest Andover Street	2	1	40	388	3	62	72	none	not applicable	not applicable	not applicable
WS7225	9298300015	3221 Southwest Andover Street	2	1	40	282	3	62	72	none	not applicable	not applicable	not applicable
WS7226	9298300020	3215 Southwest Andover Street	2	1	40	247	3	62	72	none	not applicable	not applicable	not applicable
WS7156	9298300025	4001 32nd Avenue Southwest	2	1	40	171	3	63	72	none	not applicable	not applicable	not applicable
WS7143	9297301100	4005 32nd Avenue Southwest	2	1	40	145	3	63	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7207	9297301065	4022 32nd Avenue Southwest	2	1	40	45	3	66	72	none	not applicable	not applicable	not applicable
WS7206	9297301063	4026 32nd Avenue Southwest	2	1	40	76	3	64	72	none	not applicable	not applicable	not applicable
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	40	86	3	63	72	none	not applicable	not applicable	not applicable
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	40	101	3	63	72	none	not applicable	not applicable	not applicable
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	40	115	3	63	72	none	not applicable	not applicable	not applicable
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	30	83	3	56	72	none	not applicable	not applicable	not applicable
WS7146	9297301120	4017 32nd Avenue Southwest	2	1	40	79	3	64	72	none	not applicable	not applicable	not applicable
WS7145	9297301115	4015 32nd Avenue Southwest	2	1	40	97	3	63	72	none	not applicable	not applicable	not applicable
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	40	174	0	60	72	none	not applicable	not applicable	not applicable
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	40	169	3	63	72	none	not applicable	not applicable	not applicable
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	40	161	3	63	72	none	not applicable	not applicable	not applicable
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	40	153	3	63	72	none	not applicable	not applicable	not applicable
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	40	136	3	63	72	none	not applicable	not applicable	not applicable
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	40	167	3	63	72	none	not applicable	not applicable	not applicable
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	40	252	3	62	72	none	not applicable	not applicable	not applicable
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	40	202	0	59	72	none	not applicable	not applicable	not applicable
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	30	185	3	52	72	none	not applicable	not applicable	not applicable
WS7392	9297301475	4107 Fauntleroy Way Southwest	2	1	30	190	3	52	72	none	not applicable	not applicable	not applicable
WS7393	9297301480	4115 Fauntleroy Way Southwest	2	1	30	196	3	52	72	none	not applicable	not applicable	not applicable
WS7215	9297301430	4023 Fauntleroy Way Southwest	2	1	40	277	3	62	72	none	not applicable	not applicable	not applicable
WS7746	952004085	4103 35th Avenue Southwest	2	1	30	629	0	51	72	none	not applicable	not applicable	not applicable
WS7622	952000135	4059 35th Avenue Southwest	2	1	30	661	0	47	72	none	not applicable	not applicable	not applicable
WS7621	952000125	4055 35th Avenue Southwest	2	1	30	696	0	47	72	none	not applicable	not applicable	not applicable
WS7620	952000115	4049 35th Avenue Southwest	2	1	30	703	0	47	72	none	not applicable	not applicable	not applicable
WS7617	952000105	4045 35th Avenue Southwest	2	1	30	719	0	47	72	none	not applicable	not applicable	not applicable
WS7616	952000095	4041 35th Avenue Southwest	2	1	30	732	0	47	72	none	not applicable	not applicable	not applicable
WS7615	952000085	4035 35th Avenue Southwest	2	1	30	762	3	50	72	none	not applicable	not applicable	not applicable
WS7614	952000075	4029 35th Avenue Southwest	2	1	30	794	3	50	72	none	not applicable	not applicable	not applicable
WS7613	952000065	4025 35th Avenue Southwest	2	1	40	819	0	58	72	none	not applicable	not applicable	not applicable
WS5180	9297301485	4117 Fauntleroy Way Southwest	2	1	30	204	3	52	72	none	not applicable	not applicable	not applicable
WS5177	9297301490	4121 Fauntleroy Way Southwest	2	1	30	215	3	52	72	none	not applicable	not applicable	not applicable
WS5176	9297301495	4127 Fauntleroy Way Southwest	2	1	30	240	0	48	72	none	not applicable	not applicable	not applicable
WS5175	9297301500	4129 Fauntleroy Way Southwest	2	1	30	269	0	48	72	none	not applicable	not applicable	not applicable
WS5174	9297301505	4135 Fauntleroy Way Southwest	2	1	30	298	0	48	72	none	not applicable	not applicable	not applicable
WS5173	9297301510	4137 Fauntleroy Way Southwest	2	1	30	332	0	48	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5172	9297301515	4141 Fauntleroy Way Southwest	2	1	30	368	0	48	72	none	not applicable	not applicable	not applicable
WS5171	9297301520	4145 Fauntleroy Way Southwest	2	1	30	402	0	52	72	none	not applicable	not applicable	not applicable
WS5170	9297301525	4147 Fauntleroy Way Southwest	2	1	30	435	0	52	72	none	not applicable	not applicable	not applicable
WS7870	9297301690	4046 35th Avenue Southwest	2	1	30	545	0	47	72	none	not applicable	not applicable	not applicable
WS7871	9297301695	4040 35th Avenue Southwest	2	1	30	567	0	47	72	none	not applicable	not applicable	not applicable
WS7872	9297301700	4036 35th Avenue Southwest	2	1	30	590	0	47	72	none	not applicable	not applicable	not applicable
WS7873	9297301705	4032 35th Avenue Southwest	2	1	30	614	3	50	72	none	not applicable	not applicable	not applicable
WS7874	9297301710	4030 35th Avenue Southwest	2	1	30	613	3	50	72	none	not applicable	not applicable	not applicable
WS7875	9297301715	4026 35th Avenue Southwest	2	1	30	629	3	50	72	none	not applicable	not applicable	not applicable
WS7876	9297301720	4020 35th Avenue Southwest	2	1	40	663	0	58	72	none	not applicable	not applicable	not applicable
WS7877	9297301730	4014 35th Avenue Southwest	2	1	40	684	0	58	72	none	not applicable	not applicable	not applicable
WS7880	9297301735	4010 35th Avenue Southwest	2	1	40	704	0	58	72	none	not applicable	not applicable	not applicable
WS7881	9297301740	4006 35th Avenue Southwest	2	1	40	733	3	61	72	none	not applicable	not applicable	not applicable
WS7864	9297301635	4001 34th Avenue Southwest	2	1	40	635	3	61	72	none	not applicable	not applicable	not applicable
WS7865	9297301640	4005 34th Avenue Southwest	2	1	40	612	3	61	72	none	not applicable	not applicable	not applicable
WS7866	9297301645	4009 34th Avenue Southwest	2	1	40	590	3	61	72	none	not applicable	not applicable	not applicable
WS7867	9297301650	4011 34th Avenue Southwest	2	1	40	569	3	61	72	none	not applicable	not applicable	not applicable
WS7356	9297301655	4017 34th Avenue Southwest	2	1	40	546	0	58	72	none	not applicable	not applicable	not applicable
WS7357	9297301660	4021 34th Avenue Southwest	2	1	40	526	0	58	72	none	not applicable	not applicable	not applicable
WS7358	9297301665	4025 34th Avenue Southwest	2	1	40	512	0	58	72	none	not applicable	not applicable	not applicable
WS7359	9297301670	4029 34th Avenue Southwest	2	1	30	519	3	50	72	none	not applicable	not applicable	not applicable
WS7360	9297301675	4033 34th Avenue Southwest	2	1	30	491	3	50	72	none	not applicable	not applicable	not applicable
WS7362	9297301685	4037 34th Avenue Southwest	2	1	30	502	3	50	72	none	not applicable	not applicable	not applicable
WS7361	9297301680	4045 34th Avenue Southwest	2	1	30	474	3	50	72	none	not applicable	not applicable	not applicable
WS7344	9297301575	4046 34th Avenue Southwest	2	1	30	369	3	51	72	none	not applicable	not applicable	not applicable
WS7345	9297301580	4042 34th Avenue Southwest	2	1	30	372	3	51	72	none	not applicable	not applicable	not applicable
WS7346	9297301585	4038 34th Avenue Southwest	2	1	30	365	3	51	72	none	not applicable	not applicable	not applicable
WS7347	9297301590	4034 34th Avenue Southwest	2	1	40	365	0	59	72	none	not applicable	not applicable	not applicable
WS7348	9297301595	4032 34th Avenue Southwest	2	1	40	381	0	59	72	none	not applicable	not applicable	not applicable
WS7350	9297301605	4022 34th Avenue Southwest	2	1	40	397	3	62	72	none	not applicable	not applicable	not applicable
WS7350	9297301605	4022 34th Avenue Southwest	2	1	40	421	3	61	72	none	not applicable	not applicable	not applicable
WS7351	9297301610	4018 34th Avenue Southwest	2	1	40	427	3	61	72	none	not applicable	not applicable	not applicable
WS7352	9297301615	4014 34th Avenue Southwest	2	1	40	434	3	61	72	none	not applicable	not applicable	not applicable
WS7353	9297301620	4010 34th Avenue Southwest	2	1	40	467	3	61	72	none	not applicable	not applicable	not applicable
WS7354	9297301625	4008 34th Avenue Southwest	2	1	40	489	3	61	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7355	9297301630	4002 34th Avenue Southwest	2	1	40	519	3	61	72	none	not applicable	not applicable	not applicable
WS7337	9297301420	3307 Southwest Andover Street	2	1	40	425	3	61	72	none	not applicable	not applicable	not applicable
WS7386	9297300510	3863 33rd Avenue Southwest	2	1	40	469	3	61	72	none	not applicable	not applicable	not applicable
WS7333	9297300625	3860 33rd Avenue Southwest	2	1	40	407	3	62	72	none	not applicable	not applicable	not applicable
WS7334	9297301403	4001 Fauntleroy Way Southwest	2	1	40	348	3	62	72	none	not applicable	not applicable	not applicable
WS7335	9297301405	4005 Fauntleroy Way Southwest	2	1	40	321	3	62	72	none	not applicable	not applicable	not applicable
WS7336	9297301415	4009 Fauntleroy Way Southwest	2	1	40	304	3	62	72	none	not applicable	not applicable	not applicable
WS7391	9297301425	4015 Fauntleroy Way Southwest	2	1	40	284	3	62	72	none	not applicable	not applicable	not applicable
WS5474	2848700230	3856 23rd Avenue Southwest	1	1	30	505	0	52	65	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-14. Summary of Vibration Analysis – Andover Street Station Lower Height No Avalon Station Tunnel Connection Alternative (DEL-7)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5500	2848700374	3801 22nd Avenue Southwest	2	1	55	235	0.0	65	72	none	not applicable	not applicable	not applicable
WS5497	2848700370	3803 22nd Avenue Southwest	2	1	55	237	0.0	65	72	none	not applicable	not applicable	not applicable
WS5496	2848700360	3805 22nd Avenue Southwest	2	1	55	240	0.0	65	72	none	not applicable	not applicable	not applicable
WS5501	7966600069	3649 22nd Avenue Southwest	2	1	55	262	0.0	64	72	none	not applicable	not applicable	not applicable
WS1232	7966600065	3645 22nd Avenue Southwest	2	1	55	280	0.0	64	72	none	not applicable	not applicable	not applicable
WS1234	7966600080	3631 22nd Avenue Southwest	2	1	55	317	0.0	64	72	none	not applicable	not applicable	not applicable
WS5541	7966600105	3646 22nd Avenue Southwest	2	1	55	412	0.0	64	72	none	not applicable	not applicable	not applicable
WS5540	7966600115	3636 22nd Avenue Southwest	2	1	55	403	0.0	64	72	none	not applicable	not applicable	not applicable
WS5537	7966600120	3638 22nd Avenue Southwest	2	1	55	398	0.0	64	72	none	not applicable	not applicable	not applicable
WS5542	7966600095	3624 22nd Avenue Southwest	2	1	55	444	0.0	64	72	none	not applicable	not applicable	not applicable
WS5484	2848700160	3816 23rd Avenue Southwest	2	2	55	225	0.0	65	72	none	not applicable	not applicable	not applicable
WS5544	7966600135	3711 21st Avenue Southwest	2	1	55	549	0.0	64	72	none	not applicable	not applicable	not applicable
WS12012	1324039043	3600 23rd Avenue Southwest	2	1	55	363	0.0	64	72	none	not applicable	not applicable	not applicable
WS81400	321050000	3271 Southwest Avalon Way	2	24	55	1164	0.0	29	72	none	not applicable	not applicable	not applicable
WS81400	321050000	3271 Southwest Avalon Way	2	80	55	1166	0.0	28	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	1214	0.0	28	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	1198	0.0	28	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	1146	0.0	63	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	55	1069	0.0	63	72	none	not applicable	not applicable	not applicable
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	1031	0.0	30	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	1033	0.0	29	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	1050	0.0	29	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	1039	0.0	29	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	1014	0.0	30	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	996	0.0	30	72	none	not applicable	not applicable	not applicable
WS60800	321000000	3256 Southwest Avalon Way	2	32	55	975	0.0	30	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	55	965	0.0	30	72	none	not applicable	not applicable	not applicable
WS2408	9297301820	3280 Southwest Avalon Way	2	18	55	954	0.0	30	72	none	not applicable	not applicable	not applicable
WS81600	321500000	3112 Southwest Avalon Way	2	16	55	870	0.0	31	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	924	0.0	30	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	852	0.0	31	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	840	0.0	31	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	773	0.0	32	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	737	0.0	32	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	704	0.0	33	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	672	0.0	33	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	641	0.0	33	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	608	0.0	34	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	578	0.0	34	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	544	0.0	35	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	526	0.0	64	72	none	not applicable	not applicable	not applicable
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	739	0.0	32	72	none	not applicable	not applicable	not applicable
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	769	0.0	32	72	none	not applicable	not applicable	not applicable
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	667	0.0	33	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	574	0.0	34	72	none	not applicable	not applicable	not applicable
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	735	0.0	32	72	none	not applicable	not applicable	not applicable
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	752	0.0	32	72	none	not applicable	not applicable	not applicable
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	768	0.0	32	72	none	not applicable	not applicable	not applicable
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	762	0.0	32	72	none	not applicable	not applicable	not applicable
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	713	0.0	33	72	none	not applicable	not applicable	not applicable
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	635	0.0	33	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	601	0.0	34	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	531	0.0	35	72	none	not applicable	not applicable	not applicable
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	935	0.0	30	72	none	not applicable	not applicable	not applicable
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	911	0.0	31	72	none	not applicable	not applicable	not applicable
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	895	0.0	31	72	none	not applicable	not applicable	not applicable
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	887	0.0	31	72	none	not applicable	not applicable	not applicable
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	881	0.0	31	72	none	not applicable	not applicable	not applicable
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	874	0.0	31	72	none	not applicable	not applicable	not applicable
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	869	0.0	31	72	none	not applicable	not applicable	not applicable
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	859	0.0	31	72	none	not applicable	not applicable	not applicable
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	854	0.0	31	72	none	not applicable	not applicable	not applicable
WS1070	9297301800	3237 Southwest Genesee Street	2	1	55	837	0.0	31	72	none	not applicable	not applicable	not applicable
WS5222	9297300935	3104b Southwest Avalon Way	2	1	55	825	0.0	63	72	none	not applicable	not applicable	not applicable
WS5224	9297300930	not available	2	3	55	760	0.0	63	72	none	not applicable	not applicable	not applicable
WS5225	9297300925	3078e Southwest Avalon Way	2	3	55	727	0.0	63	72	none	not applicable	not applicable	not applicable
WS5226	9297300920	3074 Southwest Avalon Way	2	3	55	693	0.0	63	72	none	not applicable	not applicable	not applicable
WS5246	9297300898	3070b Southwest Avalon Way	2	12	55	663	0.0	63	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5250	9297300902	3062b Southwest Avalon Way	2	12	55	610	0.0	63	72	none	not applicable	not applicable	not applicable
WS5252	9297300895	3060 Southwest Avalon Way	2	12	55	559	0.0	64	72	none	not applicable	not applicable	not applicable
WS7196	9297300885	3050 Southwest Avalon Way	2	36	55	507	0.0	64	72	none	not applicable	not applicable	not applicable
WS7121	9297300875	3046 Southwest Avalon Way	2	12	55	444	0.0	64	72	none	not applicable	not applicable	not applicable
WS7122	9297300870	3040 Southwest Avalon Way	2	6	55	396	0.0	64	72	none	not applicable	not applicable	not applicable
WS5256	9297300725	3039 Southwest Avalon Way	2	1	55	677	0.0	63	72	none	not applicable	not applicable	not applicable
WS5254	9297300745	3051 Southwest Avalon Way	2	1	55	757	0.0	63	72	none	not applicable	not applicable	not applicable
WS5253	9297300750	3055 Southwest Avalon Way	2	1	55	784	0.0	63	72	none	not applicable	not applicable	not applicable
WS5255	9297300740	3047 Southwest Avalon Way	2	2	55	733	0.0	63	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	783	0.0	63	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	968	0.0	63	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	18	55	870	0.0	63	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	12	55	1001	0.0	63	72	none	not applicable	not applicable	not applicable
WS1096	9297300765	3101 Southwest Avalon Way	2	30	55	1000	0.0	63	72	none	not applicable	not applicable	not applicable
WS1102	9358002340	4316 30th Avenue Southwest	2	6	55	1028	1.1	64	72	none	not applicable	not applicable	not applicable
WS1104	9358002350	2852 Southwest Genesee Street	2	2	55	1033	1.1	64	72	none	not applicable	not applicable	not applicable
WS1106	9358002351	2850 Southwest Genesee Street	2	2	55	1038	1.1	64	72	none	not applicable	not applicable	not applicable
WS1110	9358002365	2842 Southwest Genesee Street	2	2	55	1048	1.1	64	72	none	not applicable	not applicable	not applicable
WS5263	9358002308	2851 Southwest Nevada Street	2	3	55	952	1.1	64	72	none	not applicable	not applicable	not applicable
WS5264	9358002305	2853 Southwest Nevada Street	2	3	55	912	1.1	64	72	none	not applicable	not applicable	not applicable
WS5262	9358002320	2855 Southwest Nevada Street	2	4	55	918	1.1	64	72	none	not applicable	not applicable	not applicable
WS5482	2848700175	3824 23rd Avenue Southwest	2	2	55	314	0.0	64	72	none	not applicable	not applicable	not applicable
WS1222	2848700050	3823a 23rd Avenue Southwest	2	2	55	244	0.0	65	72	none	not applicable	not applicable	not applicable
WS1220	2848700060	3831 23rd Avenue Southwest	2	2	55	252	0.0	65	72	none	not applicable	not applicable	not applicable
WS1218	2848700075	3837 23rd Avenue Southwest	2	16	55	278	0.0	64	72	none	not applicable	not applicable	not applicable
WS5473	2848700095	3847 23rd Avenue Southwest	2	4	55	329	0.0	64	72	none	not applicable	not applicable	not applicable
WS1212	2445100295	3852 Delridge Way Southwest	2	1	55	320	0.0	64	72	none	not applicable	not applicable	not applicable
WS7321	1324039010	2970 Southwest Avalon Way	2	4	55	240	1.1	66	72	none	not applicable	not applicable	not applicable
WS7401	1324039102	3021 Southwest Bradford Street	2	96	55	249	0.0	65	72	none	not applicable	not applicable	not applicable
WS7114	9297301155	4049 32nd Avenue Southwest	2	2	55	247	0.0	42	72	none	18	35	none
WS7154	9297301170	4105 32nd Avenue Southwest	2	2	55	363	0.0	38	72	none	14	35	none
WS7221	9297301455	4039 Fautleroy Way Southwest	2	2	55	220	0.0	44	72	none	20	35	none
WS7222	9297301460	4043 Fautleroy Way Southwest	2	2	55	253	0.0	42	72	none	18	35	none
WS7223	9297301465	4101 Fautleroy Way Southwest	2	2	55	291	0.0	40	72	none	16	35	none
WS7216	9297301440	4027 Fautleroy Way Southwest	2	2	55	97	0.0	58	72	none	32	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7140	9297300670	3014 Southwest Andover Street	2	1	55	67	0.0	66	72	none	32	35	none
WS7141	9297300675	3018 Southwest Andover Street	2	1	55	101	0.0	66	72	none	27	35	none
WS7142	9297300680	3024 Southwest Andover Street	2	1	55	150	0.0	65	72	none	34	35	none
WS7124	9298300030	3200 Southwest Andover Street	2	1	55	190	0.0	65	72	none	31	35	none
WS7400	1324039009	3228 Southwest Andover Street	2	1	55	303	0.0	64	72	none	27	35	none
WS7211	9297301080	4014 32nd Avenue Southwest	2	1	55	82	0.0	70	72	none	40	35	5
WS7210	9297301070	4018 32nd Avenue Southwest	2	1	55	113	0.0	67	72	none	36	35	1
WS7207	9297301065	4022 32nd Avenue Southwest	2	1	55	144	0.0	65	72	none	34	35	none
WS7206	9297301063	4026 32nd Avenue Southwest	2	1	55	184	0.0	65	72	none	32	35	none
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	55	213	0.0	65	72	none	30	35	none
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	55	245	0.0	65	72	none	29	35	none
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	55	277	0.0	64	72	none	28	35	none
WS5203	9297301180	4115 32nd Avenue Southwest	2	1	55	446	0.0	36	72	none	12	35	none
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	55	488	0.0	36	72	none	11	35	none
WS7116	9297301145	4039 32nd Avenue Southwest	2	1	55	182	0.0	65	72	none	32	35	none
WS7115	9297301150	4045 32nd Avenue Southwest	2	1	55	217	0.0	65	72	none	30	35	none
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	55	402	0.0	37	72	none	13	35	none
WS7153	9297301165	4055 32nd Avenue Southwest	2	1	55	340	0.0	39	72	none	15	35	none
WS7213	9297301160	4051 32nd Avenue Southwest	2	1	55	292	0.0	40	72	none	16	35	none
WS7152	9297301135	4035 32nd Avenue Southwest	2	1	55	149	0.0	65	72	none	34	35	none
WS7151	9297301134	4031 32nd Avenue Southwest	2	1	55	124	0.0	67	72	none	35	35	<1
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	55	473	0.0	64	72	none	23	35	none
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	55	440	0.0	64	72	none	24	35	none
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	55	408	0.0	64	72	none	24	35	none
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	55	377	0.0	64	72	none	25	35	none
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	55	339	0.0	64	72	none	26	35	none
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	55	330	0.0	64	72	none	26	35	none
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	55	123	0.0	54	72	none	28	35	none
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	55	189	0.0	46	72	none	22	35	none
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	55	318	0.0	39	72	none	15	35	none
WS7392	9297301475	4107 Fauntleroy Way Southwest	2	1	55	342	0.0	39	72	none	15	35	none
WS7393	9297301480	4115 Fauntleroy Way Southwest	2	1	55	366	0.0	38	72	none	14	35	none
WS7215	9297301430	4023 Fauntleroy Way Southwest	2	1	55	77	0.0	62	72	none	36	35	1
WS7743	952003815	4101 36th Avenue Southwest	2	1	55	480	1.7	38	72	none	13	35	none
WS7744	952003825	4105 36th Avenue Southwest	2	1	55	519	1.7	37	72	none	12	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7647	952000405	4061 36th Avenue Southwest	2	1	55	450	1.7	38	72	none	13	35	none
WS7646	952000395	4055 36th Avenue Southwest	2	1	55	431	1.7	38	72	none	14	35	none
WS7645	952000385	4051 36th Avenue Southwest	2	1	55	418	1.7	39	72	none	14	35	none
WS7644	952000370	4045 36th Avenue Southwest	2	1	55	414	0.0	37	72	none	12	35	none
WS7643	952000365	4039 36th Avenue Southwest	2	1	55	413	0.0	37	72	none	12	35	none
WS7642	952000355	4035 36th Avenue Southwest	2	1	55	432	0.0	37	72	none	12	35	none
WS7641	952000345	4029 36th Avenue Southwest	2	1	55	444	0.0	36	72	none	12	35	none
WS7626	952000195	4022 36th Avenue Southwest	2	1	55	295	0.0	40	72	none	16	35	none
WS7627	952000210	4026 36th Avenue Southwest	2	1	55	284	0.0	40	72	none	17	35	none
WS7630	952000215	4034 36th Avenue Southwest	2	1	55	267	0.0	41	72	none	17	35	none
WS7631	952000230	4040 36th Avenue Southwest	2	1	55	250	0.0	42	72	none	18	35	none
WS7632	952000240	4044 36th Avenue Southwest	2	1	55	251	0.0	42	72	none	18	35	none
WS7633	952000246	4048 36th Avenue Southwest	2	1	55	267	0.0	41	72	none	17	35	none
WS7634	952000260	4054 36th Avenue Southwest	2	1	55	289	0.0	40	72	none	16	35	none
WS7635	952000270	4058 36th Avenue Southwest	2	1	55	304	0.0	40	72	none	16	35	none
WS7745	952003935	4102 36th Avenue Southwest	2	1	55	362	0.0	38	72	none	14	35	none
WS7055	952004080	3509 Southwest Dakota Street	2	1	55	301	0.0	40	72	none	16	35	none
WS7746	952004085	4103 35th Avenue Southwest	2	1	55	278	0.0	41	72	none	17	35	none
WS7622	952000135	4059 35th Avenue Southwest	2	1	55	183	0.0	47	72	none	22	35	none
WS7621	952000125	4055 35th Avenue Southwest	2	1	55	176	0.0	48	72	none	23	35	none
WS7620	952000115	4049 35th Avenue Southwest	2	1	55	139	0.0	52	72	none	26	35	none
WS7617	952000105	4045 35th Avenue Southwest	2	1	55	133	0.0	52	72	none	27	35	none
WS7616	952000095	4041 35th Avenue Southwest	2	1	55	127	0.0	53	72	none	28	35	none
WS7615	952000085	4035 35th Avenue Southwest	2	1	55	139	0.0	52	72	none	26	35	none
WS7614	952000075	4029 35th Avenue Southwest	2	1	55	166	0.0	49	72	none	24	35	none
WS7613	952000065	4025 35th Avenue Southwest	2	1	55	200	0.0	45	72	none	21	35	none
WS5180	9297301485	4117 Fauntleroy Way Southwest	2	1	55	373	0.0	38	72	none	14	35	none
WS5177	9297301490	4121 Fauntleroy Way Southwest	2	1	55	399	0.0	37	72	none	13	35	none
WS5176	9297301495	4127 Fauntleroy Way Southwest	2	1	55	416	0.0	37	72	none	12	35	none
WS5175	9297301500	4129 Fauntleroy Way Southwest	2	1	55	437	0.0	37	72	none	12	35	none
WS5174	9297301505	4135 Fauntleroy Way Southwest	2	1	55	451	0.0	36	72	none	12	35	none
WS5173	9297301510	4137 Fauntleroy Way Southwest	2	1	55	477	0.0	36	72	none	11	35	none
WS5172	9297301515	4141 Fauntleroy Way Southwest	2	1	55	496	0.0	36	72	none	11	35	none
WS5171	9297301520	4145 Fauntleroy Way Southwest	2	1	55	515	0.0	35	72	none	10	35	none
WS5170	9297301525	4147 Fauntleroy Way Southwest	2	1	55	532	0.0	35	72	none	10	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7870	9297301690	4046 35th Avenue Southwest	2	1	55	173	0.0	48	72	none	23	35	none
WS7871	9297301695	4040 35th Avenue Southwest	2	1	55	136	0.0	52	72	none	27	35	none
WS7872	9297301700	4036 35th Avenue Southwest	2	1	55	113	0.0	55	72	none	30	35	none
WS7873	9297301705	4032 35th Avenue Southwest	2	1	55	101	0.0	57	72	none	32	35	none
WS7874	9297301710	4030 35th Avenue Southwest	2	1	55	100	0.0	57	72	none	32	35	none
WS7875	9297301715	4026 35th Avenue Southwest	2	1	55	100	0.0	57	72	none	32	35	none
WS7876	9297301720	4020 35th Avenue Southwest	2	1	55	113	0.0	55	72	none	30	35	none
WS7877	9297301730	4014 35th Avenue Southwest	2	1	55	146	0.0	51	72	none	26	35	none
WS7880	9297301735	4010 35th Avenue Southwest	2	1	55	172	0.0	48	72	none	23	35	none
WS7881	9297301740	4006 35th Avenue Southwest	2	1	55	213	0.0	44	72	none	20	35	none
WS7864	9297301635	4001 34th Avenue Southwest	2	1	55	206	0.0	45	72	none	21	35	none
WS7865	9297301640	4005 34th Avenue Southwest	2	1	55	170	0.0	48	72	none	23	35	none
WS7866	9297301645	4009 34th Avenue Southwest	2	1	55	138	0.0	52	72	none	27	35	none
WS7867	9297301650	4011 34th Avenue Southwest	2	1	55	112	0.0	55	72	none	30	35	none
WS7356	9297301655	4017 34th Avenue Southwest	2	1	55	93	0.0	59	72	none	33	35	none
WS7357	9297301660	4021 34th Avenue Southwest	2	1	55	88	0.0	60	72	none	34	35	none
WS7358	9297301665	4025 34th Avenue Southwest	2	1	55	94	0.0	58	72	none	33	35	none
WS7359	9297301670	4029 34th Avenue Southwest	2	1	55	95	0.0	58	72	none	33	35	none
WS7360	9297301675	4033 34th Avenue Southwest	2	1	55	107	0.0	56	72	none	31	35	none
WS7362	9297301685	4037 34th Avenue Southwest	2	1	55	125	0.0	54	72	none	28	35	none
WS7361	9297301680	4045 34th Avenue Southwest	2	1	55	158	0.0	50	72	none	24	35	none
WS7344	9297301575	4046 34th Avenue Southwest	2	1	55	222	0.0	44	72	none	20	35	none
WS7345	9297301580	4042 34th Avenue Southwest	2	1	55	194	0.0	46	72	none	22	35	none
WS7346	9297301585	4038 34th Avenue Southwest	2	1	55	169	0.0	48	72	none	23	35	none
WS7347	9297301590	4034 34th Avenue Southwest	2	1	55	145	0.0	51	72	none	26	35	none
WS7348	9297301595	4032 34th Avenue Southwest	2	1	55	117	0.0	55	72	none	29	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	55	80	0.0	61	72	none	36	35	<1
WS7350	9297301605	4022 34th Avenue Southwest	2	1	55	77	0.0	62	72	none	36	35	1
WS7351	9297301610	4018 34th Avenue Southwest	2	1	55	77	0.0	62	72	none	36	35	1
WS7352	9297301615	4014 34th Avenue Southwest	2	1	55	79	0.0	62	72	none	36	35	1
WS7353	9297301620	4010 34th Avenue Southwest	2	1	55	98	0.0	58	72	none	32	35	none
WS7354	9297301625	4008 34th Avenue Southwest	2	1	55	125	0.0	54	72	none	28	35	none
WS7355	9297301630	4002 34th Avenue Southwest	2	1	55	158	0.0	50	72	none	24	35	none
WS7337	9297301420	3307 Southwest Andover Street	2	1	55	107	0.0	56	72	none	31	35	none
WS7386	9297300510	3863 33rd Avenue Southwest	2	1	55	202	0.0	45	72	none	21	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7333	9297300625	3860 33rd Avenue Southwest	2	1	55	188	0.0	46	72	none	22	35	none
WS7334	9297301403	4001 Fauntleroy Way Southwest	2	1	55	96	0.0	58	72	none	32	35	none
WS7335	9297301405	4005 Fauntleroy Way Southwest	2	1	55	68	0.0	64	72	none	39	35	4
WS7336	9297301415	4009 Fauntleroy Way Southwest	2	1	55	54	0.0	68	72	none	43	35	8
WS7391	9297301425	4015 Fauntleroy Way Southwest	2	1	55	55	0.0	68	72	none	43	35	8
WS7214	9297301428	4019 Fauntleroy Way Southwest	2	1	55	55	0.0	68	72	none	43	35	8
WS5474	2848700230	3856 23rd Avenue Southwest	1	1	55	505	0.0	64	65	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

I.D. = identification

G.B.N. = groundborne noise

VdB = vibration decibels

Table N.3G-15. Summary of Vibration Analysis – Elevated 41st/42nd Avenue Station Alternative (WSJ-1)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	30	48	0	58	72	none	not applicable	not applicable	not applicable
WS80500	6391900000	5000 California Avenue Southwest	2	32	30	75	0	54	72	none	not applicable	not applicable	not applicable
WS6097	7579201085	4840 California Avenue Southwest	2	33	30	30	0	62	72	none	not applicable	not applicable	not applicable
WS6100	7579201075	4836 California Avenue Southwest	2	2	30	69	0	55	72	none	not applicable	not applicable	not applicable
WS6101	7579201065	4830 California Avenue Southwest	2	2	30	66	3	58	72	none	not applicable	not applicable	not applicable
WS6102	7579201055	4826 California Avenue Southwest	2	2	30	67	3	58	72	none	not applicable	not applicable	not applicable
WS6103	7579201045	4822 California Avenue Southwest	2	2	30	74	3	57	72	none	not applicable	not applicable	not applicable
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	30	83	3	57	72	none	not applicable	not applicable	not applicable
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	30	75	0	54	72	none	not applicable	not applicable	not applicable
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	30	86	0	54	72	none	not applicable	not applicable	not applicable
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	30	202	0	53	72	none	not applicable	not applicable	not applicable
WS6177	7624700061	4115 Southwest Hudson Street	2	2	30	304	0	52	72	none	not applicable	not applicable	not applicable
WS6190	7624700006	4111 Southwest Hudson Street	2	1	30	366	0	52	72	none	not applicable	not applicable	not applicable
WS6192	7624700005	4101 Southwest Hudson Street	2	1	30	421	0	52	72	none	not applicable	not applicable	not applicable
WS6191	7624700010	5007 41st Avenue Southwest	2	4	30	433	0	52	72	none	not applicable	not applicable	not applicable
WS6187	7624700015	5011 41st Avenue Southwest	2	2	30	449	0	52	72	none	not applicable	not applicable	not applicable
WS6186	7624700020	5017 41st Avenue Southwest	2	2	30	470	0	52	72	none	not applicable	not applicable	not applicable
WS6185	7624700025	5021 41st Avenue Southwest	2	2	30	496	0	52	72	none	not applicable	not applicable	not applicable
WS6184	7624700030	5027 41st Avenue Southwest	2	4	30	524	0	52	72	none	not applicable	not applicable	not applicable
WS6200	1297300100	5022 41st Avenue Southwest	2	2	30	586	0	51	72	none	not applicable	not applicable	not applicable
WS6197	1297300095	5028 41st Avenue Southwest	2	1	30	606	0	51	72	none	not applicable	not applicable	not applicable
WS6203	1297300115	5006 41st Avenue Southwest	2	1	30	526	0	52	72	none	not applicable	not applicable	not applicable
WS6204	1297300120	4015 Southwest Hudson Street	2	1	30	602	0	51	72	none	not applicable	not applicable	not applicable
WS6201	1297300105	5018 41st Avenue Southwest	2	2	30	565	0	52	72	none	not applicable	not applicable	not applicable
WS6202	1297300110	5012 41st Avenue Southwest	2	1	30	543	0	52	72	none	not applicable	not applicable	not applicable
WS6260	6126601010	4800 40th Avenue Southwest	3	1	30	773	0	51	78	none	not applicable	not applicable	not applicable
WS5013	6126600735	4736 40th Avenue Southwest	3	1	30	563	0	52	78	none	not applicable	not applicable	not applicable
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	30	666	3	54	78	none	not applicable	not applicable	not applicable
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	30	794	3	54	78	none	not applicable	not applicable	not applicable
WS2298	0952005890	4400 42nd Avenue Southwest	3	1	30	1125	0	51	78	none	not applicable	not applicable	not applicable
WS6623	0952002655	4100 Southwest Genesee Street	3	1	45	1214	0	66	78	none	not applicable	not applicable	not applicable
WS5135	0952007350	4500 39th Avenue Southwest	3	1	45	96	2	71	78	none	not applicable	not applicable	not applicable
WS2214	7579200620	4856 41st Avenue Southwest	2	1	30	503	0	52	72	none	not applicable	not applicable	not applicable
WS2218	7579200600	4846 41st Avenue Southwest	2	2	30	489	0	52	72	none	not applicable	not applicable	not applicable
WS2220	7579200590	4840 41st Avenue Southwest	2	2	30	489	0	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2192	7579200905	4847 41st Avenue Southwest	2	1	30	374	0	52	72	none	not applicable	not applicable	not applicable
WS2190	7579200895	4853 41st Avenue Southwest	2	1	30	375	0	52	72	none	not applicable	not applicable	not applicable
WS2188	7579200885	4857 41st Avenue Southwest	2	1	30	377	0	52	72	none	not applicable	not applicable	not applicable
WS2194	7579200915	4843 41st Avenue Southwest	2	4	30	369	0	52	72	none	not applicable	not applicable	not applicable
WS2196	7579200925	4837 41st Avenue Southwest	2	2	30	372	0	52	72	none	not applicable	not applicable	not applicable
WS2204	7579200965	4815 41st Avenue Southwest	2	2	30	346	3	55	72	none	not applicable	not applicable	not applicable
WS2210	7579200999	4803 41st Avenue Southwest	2	4	30	283	0	52	72	none	not applicable	not applicable	not applicable
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	30	232	3	56	72	none	not applicable	not applicable	not applicable
WS2222	7579200580	4836 41st Avenue Southwest	2	2	30	528	0	52	72	none	not applicable	not applicable	not applicable
WS2224	7579200570	4832 41st Avenue Southwest	2	2	30	529	3	55	72	none	not applicable	not applicable	not applicable
WS2208	7579200985	4807 41st Avenue Southwest	2	1	30	293	3	55	72	none	not applicable	not applicable	not applicable
WS2206	7579200975	4811 41st Avenue Southwest	2	1	30	310	3	55	72	none	not applicable	not applicable	not applicable
WS2202	7579200955	4823 41st Avenue Southwest	2	1	30	364	3	55	72	none	not applicable	not applicable	not applicable
WS2200	7579200945	4827 41st Avenue Southwest	2	1	30	372	3	55	72	none	not applicable	not applicable	not applicable
WS2226	7579200560	4830 41st Avenue Southwest	2	1	30	520	3	55	72	none	not applicable	not applicable	not applicable
WS2228	7579200550	4822 41st Avenue Southwest	2	1	30	474	3	55	72	none	not applicable	not applicable	not applicable
WS2230	7579200540	4816 41st Avenue Southwest	2	1	30	511	3	55	72	none	not applicable	not applicable	not applicable
WS2232	7579200530	4812 41st Avenue Southwest	2	1	30	424	3	55	72	none	not applicable	not applicable	not applicable
WS2234	7579200491	4023 Southwest Edmunds Street	2	1	30	378	0	52	72	none	not applicable	not applicable	not applicable
WS6115	7579200490	4017 Southwest Edmunds Street	2	1	30	418	0	52	72	none	not applicable	not applicable	not applicable
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	30	92	3	57	72	none	not applicable	not applicable	not applicable
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	30	80	3	57	72	none	not applicable	not applicable	not applicable
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	30	136	3	56	72	none	not applicable	not applicable	not applicable
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	30	107	3	57	72	none	not applicable	not applicable	not applicable
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	30	172	3	56	72	none	not applicable	not applicable	not applicable
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	30	162	3	56	72	none	not applicable	not applicable	not applicable
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	30	153	3	56	72	none	not applicable	not applicable	not applicable
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	30	176	0	53	72	none	not applicable	not applicable	not applicable
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	30	198	0	53	72	none	not applicable	not applicable	not applicable
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	30	189	0	53	72	none	not applicable	not applicable	not applicable
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	30	189	0	53	72	none	not applicable	not applicable	not applicable
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	30	184	0	53	72	none	not applicable	not applicable	not applicable
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	30	190	3	56	72	none	not applicable	not applicable	not applicable
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	30	187	3	56	72	none	not applicable	not applicable	not applicable
WS81900	2492700000	4800 Fauntleroy Way Southwest	2	24	30	956	0	51	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	16	30	866	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	805	0	51	72	none	not applicable	not applicable	not applicable
WS7126	6126600380	4754 Fauntleroy Way Southwest	2	60	45	842	0	66	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	45	461	0	67	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	243	0	53	72	none	not applicable	not applicable	not applicable
WS5020	6126600300	4727 38th Avenue Southwest	2	1	45	687	0	66	72	none	not applicable	not applicable	not applicable
WS5021	6126600310	4731 38th Avenue Southwest	2	1	45	731	0	66	72	none	not applicable	not applicable	not applicable
WS5022	6126600320	4737 38th Avenue Southwest	2	4	45	763	0	66	72	none	not applicable	not applicable	not applicable
WS5023	0952007660	4530 38th Avenue Southwest	2	120	45	195	2	70	72	none	not applicable	not applicable	not applicable
WS1040	0952007600	4520 Fauntleroy Way Southwest	2	1	45	131	2	71	72	none	not applicable	not applicable	not applicable
WS5062	0952007845	4515 36th Avenue Southwest	3	1	45	147	2	70	78	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	272	3	55	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	299	0	52	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	296	0	52	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	295	3	55	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	340	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	290	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	281	0	52	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	286	0	52	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	35	226	3	60	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	35	178	0	58	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	35	127	0	58	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	30	76	0	54	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	30	110	0	54	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	117	0	53	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	108	0	54	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	102	0	54	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	100	0	54	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	106	3	57	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	35	79	3	62	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	30	75	0	54	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	30	76	0	54	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	30	150	0	53	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	30	189	0	53	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	30	226	0	53	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	30	264	0	52	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	35	297	3	60	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	35	334	3	60	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	35	367	3	60	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	35	402	3	60	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	35	427	3	59	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	342	0	52	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	313	0	52	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	30	388	0	52	72	none	not applicable	not applicable	not applicable
WS7027	0952004035	4146 36th Avenue Southwest	2	1	30	164	3	56	72	none	not applicable	not applicable	not applicable
WS3006	0952003915	3600 Southwest Genesee Street	2	8	30	205	3	56	72	none	not applicable	not applicable	not applicable
WS7000	0952003805	4158 37th Avenue Southwest	2	1	30	280	3	55	72	none	not applicable	not applicable	not applicable
WS7002	0952003795	4150 37th Avenue Southwest	2	1	30	344	3	55	72	none	not applicable	not applicable	not applicable
WS6697	0952003685	4155 37th Avenue Southwest	2	1	45	400	0	67	72	none	not applicable	not applicable	not applicable
WS6700	0952003676	4151 37th Avenue Southwest	2	1	30	434	3	55	72	none	not applicable	not applicable	not applicable
WS6687	0952003565	4156 38th Avenue Southwest	2	1	45	539	0	67	72	none	not applicable	not applicable	not applicable
WS6690	0952003555	4152 38th Avenue Southwest	2	1	45	569	0	67	72	none	not applicable	not applicable	not applicable
WS6676	0952003445	4157 38th Avenue Southwest	2	1	45	656	0	66	72	none	not applicable	not applicable	not applicable
WS6677	0952003435	4155 38th Avenue Southwest	2	1	45	681	0	66	72	none	not applicable	not applicable	not applicable
WS6665	0952003295	4156 39th Avenue Southwest	2	1	45	791	2	68	72	none	not applicable	not applicable	not applicable
WS6680	0952003425	4149 38th Avenue Southwest	2	1	45	706	0	66	72	none	not applicable	not applicable	not applicable
WS6666	0952003285	4150 39th Avenue Southwest	2	2	45	812	2	68	72	none	not applicable	not applicable	not applicable
WS2404	0952004540	4400 37th Avenue Southwest	2	1	30	225	3	56	72	none	not applicable	not applicable	not applicable
WS2402	0952004550	4406 37th Avenue Southwest	2	1	45	197	0	68	72	none	not applicable	not applicable	not applicable
WS6592	0952004560	4410 37th Avenue Southwest	2	1	45	163	0	68	72	none	not applicable	not applicable	not applicable
WS6591	0952004570	4414 37th Avenue Southwest	2	1	45	136	0	68	72	none	not applicable	not applicable	not applicable
WS2400	0952004705	4403 37th Avenue Southwest	2	1	45	347	0	67	72	none	not applicable	not applicable	not applicable
WS2398	0952004715	4407 37th Avenue Southwest	2	1	45	311	0	67	72	none	not applicable	not applicable	not applicable
WS6590	0952004725	4413 37th Avenue Southwest	2	1	45	276	0	67	72	none	not applicable	not applicable	not applicable
WS6587	0952004735	4417 37th Avenue Southwest	2	1	45	245	0	68	72	none	not applicable	not applicable	not applicable
WS6586	0952004745	4421 37th Avenue Southwest	2	1	45	217	0	68	72	none	not applicable	not applicable	not applicable
WS6585	0952004755	4427 37th Avenue Southwest	2	1	45	182	0	68	72	none	not applicable	not applicable	not applicable
WS5145	0952004765	4431 37th Avenue Southwest	2	16	45	132	2	71	72	none	not applicable	not applicable	not applicable
WS2396	0952004820	4402 38th Avenue Southwest	2	1	45	474	0	67	72	none	not applicable	not applicable	not applicable
WS2394	0952004830	4406 38th Avenue Southwest	2	1	45	448	0	67	72	none	not applicable	not applicable	not applicable
WS2392	0952004840	4412 38th Avenue Southwest	2	1	45	414	0	67	72	none	not applicable	not applicable	not applicable
WS6584	0952004850	4416 38th Avenue Southwest	2	1	45	389	2	69	72	none	not applicable	not applicable	not applicable
WS6583	0952004860	4420 38th Avenue Southwest	2	1	45	359	2	69	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6582	0952004865	4422 38th Avenue Southwest	2	1	45	342	2	69	72	none	not applicable	not applicable	not applicable
WS6581	0952004875	4426 38th Avenue Southwest	2	1	45	295	2	70	72	none	not applicable	not applicable	not applicable
WS6580	0952004885	4432 38th Avenue Southwest	2	1	45	254	2	70	72	none	not applicable	not applicable	not applicable
WS5144	0952004895	4436 38th Avenue Southwest	2	1	45	214	2	70	72	none	not applicable	not applicable	not applicable
WS5142	0952004915	4446 38th Avenue Southwest	2	1	45	172	2	70	72	none	not applicable	not applicable	not applicable
WS5143	0952004905	4442 38th Avenue Southwest	2	2	45	186	2	70	72	none	not applicable	not applicable	not applicable
WS6570	0952005095	4457 38th Avenue Southwest	2	1	45	172	2	70	72	none	not applicable	not applicable	not applicable
WS6571	0952005085	4453 38th Avenue Southwest	2	1	45	209	2	70	72	none	not applicable	not applicable	not applicable
WS6572	0952005075	4451 38th Avenue Southwest	2	1	45	240	2	70	72	none	not applicable	not applicable	not applicable
WS6573	0952005065	4441 38th Avenue Southwest	2	1	45	275	2	70	72	none	not applicable	not applicable	not applicable
WS6574	0952005055	4437 38th Avenue Southwest	2	1	45	328	2	69	72	none	not applicable	not applicable	not applicable
WS6575	0952005045	4433 38th Avenue Southwest	2	1	45	398	2	69	72	none	not applicable	not applicable	not applicable
WS6576	0952005035	4427 38th Avenue Southwest	2	1	45	422	2	69	72	none	not applicable	not applicable	not applicable
WS6577	0952005025	4423 38th Avenue Southwest	2	1	45	468	2	69	72	none	not applicable	not applicable	not applicable
WS2384	0952005015	4417 38th Avenue Southwest	2	1	45	485	2	69	72	none	not applicable	not applicable	not applicable
WS2386	0952005000	4411 38th Avenue Southwest	2	1	45	527	2	69	72	none	not applicable	not applicable	not applicable
WS2388	0952004995	4407 38th Avenue Southwest	2	1	45	567	2	69	72	none	not applicable	not applicable	not applicable
WS2390	0952004985	4403 38th Avenue Southwest	2	1	45	594	2	69	72	none	not applicable	not applicable	not applicable
WS2382	0952005105	4402 39th Avenue Southwest	2	1	45	695	2	69	72	none	not applicable	not applicable	not applicable
WS2380	0952005115	4406 39th Avenue Southwest	2	1	45	668	2	69	72	none	not applicable	not applicable	not applicable
WS6567	0952005145	4420 39th Avenue Southwest	2	1	45	559	2	69	72	none	not applicable	not applicable	not applicable
WS6566	0952005155	4424 39th Avenue Southwest	2	1	45	532	2	69	72	none	not applicable	not applicable	not applicable
WS6565	0952005160	4428 39th Avenue Southwest	2	1	45	512	2	69	72	none	not applicable	not applicable	not applicable
WS6564	0952005165	4434 39th Avenue Southwest	2	1	45	485	2	69	72	none	not applicable	not applicable	not applicable
WS6563	0952005185	4436 39th Avenue Southwest	2	1	45	451	2	69	72	none	not applicable	not applicable	not applicable
WS6562	0952005195	4440 39th Avenue Southwest	2	1	45	411	2	69	72	none	not applicable	not applicable	not applicable
WS6561	0952005200	4442 39th Avenue Southwest	2	1	45	388	2	69	72	none	not applicable	not applicable	not applicable
WS6560	0952005205	4446 39th Avenue Southwest	2	1	45	348	2	69	72	none	not applicable	not applicable	not applicable
WS6557	0952005215	4448 39th Avenue Southwest	2	1	45	313	2	70	72	none	not applicable	not applicable	not applicable
WS6555	0952005224	4452 39th Avenue Southwest	2	1	45	269	2	70	72	none	not applicable	not applicable	not applicable
WS6554	0952005249	4456 39th Avenue Southwest	2	1	45	236	2	70	72	none	not applicable	not applicable	not applicable
WS2378	0952005125	4414 39th Avenue Southwest	2	2	45	653	2	69	72	none	not applicable	not applicable	not applicable
WS2376	0952005135	4416 39th Avenue Southwest	2	2	45	614	2	69	72	none	not applicable	not applicable	not applicable
WS2374	0952005270	4403 39th Avenue Southwest	2	1	45	809	2	68	72	none	not applicable	not applicable	not applicable
WS2372	0952005280	4409 39th Avenue Southwest	2	2	45	774	2	68	72	none	not applicable	not applicable	not applicable
WS6553	0952005290	4413 39th Avenue Southwest	2	1	45	731	2	68	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2370	0952005300	4417 39th Avenue Southwest	2	1	45	697	2	69	72	none	not applicable	not applicable	not applicable
WS2368	0952005305	4421 39th Avenue Southwest	2	1	45	657	2	69	72	none	not applicable	not applicable	not applicable
WS2366	0952005320	4427 39th Avenue Southwest	2	1	45	616	2	69	72	none	not applicable	not applicable	not applicable
WS6552	0952005330	4433 39th Avenue Southwest	2	1	45	547	0	67	72	none	not applicable	not applicable	not applicable
WS6551	0952005340	4437 39th Avenue Southwest	2	1	45	518	0	67	72	none	not applicable	not applicable	not applicable
WS6547	0952005359	4447 39th Avenue Southwest	2	1	45	429	0	67	72	none	not applicable	not applicable	not applicable
WS6546	0952005370	4451 39th Avenue Southwest	2	1	45	367	0	67	72	none	not applicable	not applicable	not applicable
WS6545	0952005380	4457 39th Avenue Southwest	2	1	45	323	0	67	72	none	not applicable	not applicable	not applicable
WS6550	0952005349	4441 39th Avenue Southwest	2	2	45	494	0	67	72	none	not applicable	not applicable	not applicable
WS6655	0952003175	4157 39th Avenue Southwest	2	1	45	913	2	68	72	none	not applicable	not applicable	not applicable
WS6656	0952003165	4153 39th Avenue Southwest	2	1	45	944	2	68	72	none	not applicable	not applicable	not applicable
WS6645	0952003055	4156 40th Avenue Southwest	2	1	45	983	2	68	72	none	not applicable	not applicable	not applicable
WS6646	0952003045	4150 40th Avenue Southwest	2	1	45	1030	2	68	72	none	not applicable	not applicable	not applicable
WS6635	0952002935	4010 Southwest Genesee Street	2	1	45	1054	0	66	72	none	not applicable	not applicable	not applicable
WS2364	0952005390	4402 40th Avenue Southwest	2	1	45	884	0	66	72	none	not applicable	not applicable	not applicable
WS2362	0952005400	4414 40th Avenue Southwest	2	1	45	821	0	66	72	none	not applicable	not applicable	not applicable
WS6544	0952005415	4416 40th Avenue Southwest	2	1	45	800	0	66	72	none	not applicable	not applicable	not applicable
WS6543	0952005425	4418 40th Avenue Southwest	2	1	45	730	0	66	72	none	not applicable	not applicable	not applicable
WS2360	0952005435	4422 40th Avenue Southwest	2	1	45	706	0	66	72	none	not applicable	not applicable	not applicable
WS2356	0952005445	4426 40th Avenue Southwest	2	1	45	685	0	66	72	none	not applicable	not applicable	not applicable
WS2354	0952005460	4432 40th Avenue Southwest	2	1	45	599	0	67	72	none	not applicable	not applicable	not applicable
WS6542	0952005470	4438 40th Avenue Southwest	2	1	45	571	0	67	72	none	not applicable	not applicable	not applicable
WS6541	0952005480	4442 40th Avenue Southwest	2	1	45	527	0	67	72	none	not applicable	not applicable	not applicable
WS6540	0952005490	4446 40th Avenue Southwest	2	1	45	502	0	67	72	none	not applicable	not applicable	not applicable
WS6537	0952005500	4452 40th Avenue Southwest	2	1	45	466	0	67	72	none	not applicable	not applicable	not applicable
WS6536	0952005510	4456 40th Avenue Southwest	2	1	45	425	0	67	72	none	not applicable	not applicable	not applicable
WS2330	0952005630	4457 40th Avenue Southwest	2	1	45	490	0	67	72	none	not applicable	not applicable	not applicable
WS2332	0952005620	4453 40th Avenue Southwest	2	1	45	505	0	67	72	none	not applicable	not applicable	not applicable
WS2334	0952005610	4449 40th Avenue Southwest	2	1	45	578	0	67	72	none	not applicable	not applicable	not applicable
WS2336	0952005600	4441 40th Avenue Southwest	2	1	45	612	0	67	72	none	not applicable	not applicable	not applicable
WS2338	0952005590	4437 40th Avenue Southwest	2	1	45	642	0	66	72	none	not applicable	not applicable	not applicable
WS6532	0952005580	4433 40th Avenue Southwest	2	1	45	684	0	66	72	none	not applicable	not applicable	not applicable
WS6533	0952005570	4429 40th Avenue Southwest	2	1	45	734	0	66	72	none	not applicable	not applicable	not applicable
WS2340	0952005560	4421 40th Avenue Southwest	2	1	45	773	0	66	72	none	not applicable	not applicable	not applicable
WS2342	0952005550	4415 40th Avenue Southwest	2	1	45	829	0	66	72	none	not applicable	not applicable	not applicable
WS2344	0952005545	4413 40th Avenue Southwest	2	1	45	843	0	66	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2346	0952005540	4411 40th Avenue Southwest	2	1	45	864	0	66	72	none	not applicable	not applicable	not applicable
WS2348	0952005535	4409 40th Avenue Southwest	2	1	45	888	0	66	72	none	not applicable	not applicable	not applicable
WS6534	0952005530	4407 40th Avenue Southwest	2	1	45	908	0	66	72	none	not applicable	not applicable	not applicable
WS2350	0952005525	4405 40th Avenue Southwest	2	1	45	930	0	66	72	none	not applicable	not applicable	not applicable
WS2352	0952005520	4403 40th Avenue Southwest	2	1	45	951	0	66	72	none	not applicable	not applicable	not applicable
WS6535	0952005515	4401 40th Avenue Southwest	2	1	45	975	0	66	72	none	not applicable	not applicable	not applicable
WS2326	0952005680	4424 41st Avenue Southwest	2	1	45	861	0	66	72	none	not applicable	not applicable	not applicable
WS2324	0952005690	4426 41st Avenue Southwest	2	1	45	830	0	66	72	none	not applicable	not applicable	not applicable
WS2322	0952005695	4430 41st Avenue Southwest	2	1	45	809	0	66	72	none	not applicable	not applicable	not applicable
WS6531	0952005670	4434 41st Avenue Southwest	2	1	45	772	0	66	72	none	not applicable	not applicable	not applicable
WS6530	0952005719	4436 41st Avenue Southwest	2	1	45	745	0	66	72	none	not applicable	not applicable	not applicable
WS6527	0952005737	4440 41st Avenue Southwest	2	1	45	704	0	66	72	none	not applicable	not applicable	not applicable
WS6526	0952005741	4446 41st Avenue Southwest	2	1	45	629	0	66	72	none	not applicable	not applicable	not applicable
WS2320	0952005750	4452 41st Avenue Southwest	2	1	45	574	0	67	72	none	not applicable	not applicable	not applicable
WS2318	0952005760	4456 41st Avenue Southwest	2	1	45	533	0	67	72	none	not applicable	not applicable	not applicable
WS6524	0952005826	4431 B 41st Avenue Southwest	2	4	45	842	0	66	72	none	not applicable	not applicable	not applicable
WS6522	0952005827	4429 B 41st Avenue Southwest	2	4	30	872	0	51	72	none	not applicable	not applicable	not applicable
WS2314	0952005840	4437A 41st Avenue Southwest	2	2	45	815	0	66	72	none	not applicable	not applicable	not applicable
WS2312	0952005841	4437B 41st Avenue Southwest	2	2	45	799	0	66	72	none	not applicable	not applicable	not applicable
WS2310	0952005842	4437C 41st Avenue Southwest	2	2	45	787	0	66	72	none	not applicable	not applicable	not applicable
WS2308	0952005843	4437D 41st Avenue Southwest	2	2	45	772	0	66	72	none	not applicable	not applicable	not applicable
WS6517	0952005832	4441B 41st Avenue Southwest	2	2	30	799	0	51	72	none	not applicable	not applicable	not applicable
WS6520	0952005831	4441A 41st Avenue Southwest	2	2	30	814	0	51	72	none	not applicable	not applicable	not applicable
WS6521	0952005830	4439 41st Avenue Southwest	2	2	30	841	0	51	72	none	not applicable	not applicable	not applicable
WS6516	0952005860	4449 B 41st Avenue Southwest	2	3	30	706	0	51	72	none	not applicable	not applicable	not applicable
WS6515	0952005861	4449 A 41st Avenue Southwest	2	3	30	719	0	51	72	none	not applicable	not applicable	not applicable
WS2302	0952005862	4447 B 41st Avenue Southwest	2	3	30	729	0	51	72	none	not applicable	not applicable	not applicable
WS2304	0952005863	4447 A 41st Avenue Southwest	2	3	30	735	0	51	72	none	not applicable	not applicable	not applicable
WS2306	0952005850	4443 41st Avenue Southwest	2	1	30	752	0	51	72	none	not applicable	not applicable	not applicable
WS6367	0952006630	4501 41st Avenue Southwest	2	3	30	531	3	55	72	none	not applicable	not applicable	not applicable
WS6366	0952006631	4503 41st Avenue Southwest	2	3	30	518	3	55	72	none	not applicable	not applicable	not applicable
WS6362	0952006632	4505 41st Avenue Southwest	2	3	30	508	3	55	72	none	not applicable	not applicable	not applicable
WS6360	0952006633	4507 41st Avenue Southwest	2	3	30	497	3	55	72	none	not applicable	not applicable	not applicable
WS6364	0952006635	4113 Southwest Oregon Street	2	6	30	572	3	54	72	none	not applicable	not applicable	not applicable
WS6354	0952006638	4109 Southwest Oregon Street	2	6	30	541	3	55	72	none	not applicable	not applicable	not applicable
WS5114	0952007120	4522 40th Avenue Southwest	2	1	45	132	5	73	72	1	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5115	0952007105	4518 40th Avenue Southwest	2	3	45	186	5	73	72	<1	not applicable	not applicable	not applicable
WS5116	0952007090	4514 40th Avenue Southwest	2	1	45	220	0	68	72	none	not applicable	not applicable	not applicable
WS5122	0952007080	4508 40th Avenue Southwest	2	1	45	255	0	68	72	none	not applicable	not applicable	not applicable
WS5125	0952007065	4506 40th Avenue Southwest	2	1	45	286	0	67	72	none	not applicable	not applicable	not applicable
WS5130	0952007055	3955 Southwest Oregon Street	2	6	45	307	0	67	72	none	not applicable	not applicable	not applicable
WS5132	0952007057	3951 Southwest Oregon Street	2	6	45	285	0	67	72	none	not applicable	not applicable	not applicable
WS5127	0952007069	4506 A 40th Avenue Southwest	2	4	45	274	0	68	72	none	not applicable	not applicable	not applicable
WS5124	0952007082	4510 A 40th Avenue Southwest	2	4	45	240	0	68	72	none	not applicable	not applicable	not applicable
WS5117	0952007091	4512A 40th Avenue Southwest	2	6	45	197	0	68	72	none	not applicable	not applicable	not applicable
WS6396	0952006905	4503 40th Avenue Southwest	2	1	45	361	0	67	72	none	not applicable	not applicable	not applicable
WS6395	0952006915	4507 40th Avenue Southwest	2	1	45	309	0	67	72	none	not applicable	not applicable	not applicable
WS6394	0952006925	4511 40th Avenue Southwest	2	1	45	271	0	68	72	none	not applicable	not applicable	not applicable
WS3004	0952006906	4505 A 40th Avenue Southwest	2	4	45	413	0	67	72	none	not applicable	not applicable	not applicable
WS6385	0952006916	4505 C 40th Avenue Southwest	2	4	45	372	0	67	72	none	not applicable	not applicable	not applicable
WS6382	0952006929	4513 B 40th Avenue Southwest	2	6	45	290	0	67	72	none	not applicable	not applicable	not applicable
WS6381	0952006935	4517 40th Avenue Southwest	2	4	45	264	0	68	72	none	not applicable	not applicable	not applicable
WS6380	0952006939	4521 A 40th Avenue Southwest	2	6	45	236	0	68	72	none	not applicable	not applicable	not applicable
WS6393	0952006941	4523 A 40th Avenue Southwest	2	6	45	216	0	68	72	none	not applicable	not applicable	not applicable
WS6376	0952006953	4529 A 40th Avenue Southwest	2	4	30	195	0	53	72	none	not applicable	not applicable	not applicable
WS6391	0952006957	4527 A 40th Avenue Southwest	2	4	45	169	5	73	72	1	not applicable	not applicable	not applicable
WS6390	0952006959	4527 B 40th Avenue Southwest	2	4	45	169	5	73	72	1	not applicable	not applicable	not applicable
WS6374	0952006961	4533 A 40th Avenue Southwest	2	4	30	147	5	58	72	none	not applicable	not applicable	not applicable
WS6370	0952006979	4539 B 40th Avenue Southwest	2	4	30	62	5	61	72	none	not applicable	not applicable	not applicable
WS6387	0952006965	4531 40th Avenue Southwest	2	2	45	120	5	74	72	2	not applicable	not applicable	not applicable
WS6386	0952006975	4537 40th Avenue Southwest	2	2	30	40	10	69	72	none	not applicable	not applicable	not applicable
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	93	3	57	72	none	not applicable	not applicable	not applicable
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	293	3	55	72	none	not applicable	not applicable	not applicable
WS2254	0952006855	4536 41st Avenue Southwest	2	1	30	152	3	56	72	none	not applicable	not applicable	not applicable
WS2262	0952006845	4532 41st Avenue Southwest	2	1	30	178	3	56	72	none	not applicable	not applicable	not applicable
WS2280	0952006815	4520A 41st Avenue Southwest	2	5	30	298	0	52	72	none	not applicable	not applicable	not applicable
WS2282	0952006805	4514 41st Avenue Southwest	2	1	30	335	0	52	72	none	not applicable	not applicable	not applicable
WS2284	0952006795	4512 41st Avenue Southwest	2	1	30	364	0	52	72	none	not applicable	not applicable	not applicable
WS2286	0952006789	4504 41st Avenue Southwest	2	3	30	393	0	52	72	none	not applicable	not applicable	not applicable
WS2290	0952006775	4019 Southwest Oregon Street	2	2	30	430	0	52	72	none	not applicable	not applicable	not applicable
WS2272	0952006838	4528 B 41st Avenue Southwest	2	8	30	195	0	53	72	none	not applicable	not applicable	not applicable
WS2264	0952006836	4526 B 41st Avenue Southwest	2	8	30	229	3	56	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2268	0952006823	4522 B 41st Avenue Southwest	2	4	30	270	3	55	72	none	not applicable	not applicable	not applicable
WS2276	0952006825	4524 B 41st Avenue Southwest	2	4	30	231	0	53	72	none	not applicable	not applicable	not applicable
WS5091	0952006871	4544 C 41st Avenue Southwest	2	6	30	65	3	58	72	none	not applicable	not applicable	not applicable
WS2252	0952006865	4542 41st Avenue Southwest	2	6	30	96	3	57	72	none	not applicable	not applicable	not applicable
WS2256	0952006861	4538 C 41st Avenue Southwest	2	6	30	115	3	56	72	none	not applicable	not applicable	not applicable
WS2246	0952006700	4525 41st Avenue Southwest	2	48	30	328	3	55	72	none	not applicable	not applicable	not applicable
WS2186	0952006510	4502 42nd Avenue Southwest	2	96	30	589	3	54	72	none	not applicable	not applicable	not applicable
WS2176	0952006560	4526 42nd Avenue Southwest	2	1	30	430	3	55	72	none	not applicable	not applicable	not applicable
WS2174	0952006565	4532 42nd Avenue Southwest	2	32	30	419	3	55	72	none	not applicable	not applicable	not applicable
WS60600	1591920000	4527 41st Avenue Southwest	2	6	30	316	3	55	72	none	not applicable	not applicable	not applicable
WS5086	0952006718	4533 C 41st Avenue Southwest	2	3	30	278	3	55	72	none	not applicable	not applicable	not applicable
WS5083	0952006728	4535 C 41st Avenue Southwest	2	3	30	240	3	56	72	none	not applicable	not applicable	not applicable
WS2242	0952006715	4531 41st Avenue Southwest	2	2	30	257	3	55	72	none	not applicable	not applicable	not applicable
WS2240	0952006725	4537 41st Avenue Southwest	2	2	30	214	3	56	72	none	not applicable	not applicable	not applicable
WS60300	2607870000	4752 41st Avenue Southwest	2	36	30	324	0	52	72	none	not applicable	not applicable	not applicable
WS2238	7579200295	4744 41st Avenue Southwest	2	48	30	268	0	52	72	none	not applicable	not applicable	not applicable
WS2238	7579200295	4744 41st Avenue Southwest	2	48	30	196	0	53	72	none	not applicable	not applicable	not applicable
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	30	175	0	53	72	none	not applicable	not applicable	not applicable
WS2162	0952006465	4545 42nd Avenue Southwest	2	64	30	371	3	55	72	none	not applicable	not applicable	not applicable
WS6351	0952006385	4505 42nd Avenue Southwest	2	36	30	667	3	54	72	none	not applicable	not applicable	not applicable
WS1030	0952007545	4550 Fauntleroy Way Southwest	3	1	45	291	0	67	78	none	not applicable	not applicable	not applicable
WS12006	6126600005	4700 38th Avenue Southwest	2	1	45	556	0	67	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-16. Summary of Vibration Analysis – Elevated Fautleroy Way Station Alternative (WSJ-2)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	30	1308	0	50	72	none	not applicable	not applicable	not applicable
WS80500	6391900000	5000 California Avenue Southwest	2	32	30	1348	0	50	72	none	not applicable	not applicable	not applicable
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	30	1236	0	51	72	none	not applicable	not applicable	not applicable
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	30	1212	0	51	72	none	not applicable	not applicable	not applicable
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	30	1191	0	51	72	none	not applicable	not applicable	not applicable
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	30	1168	0	51	72	none	not applicable	not applicable	not applicable
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	30	1156	0	51	72	none	not applicable	not applicable	not applicable
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	30	1139	0	51	72	none	not applicable	not applicable	not applicable
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	30	1144	0	51	72	none	not applicable	not applicable	not applicable
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	30	1129	0	51	72	none	not applicable	not applicable	not applicable
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	30	1116	0	51	72	none	not applicable	not applicable	not applicable
WS2128	7579201215	4811 42nd Avenue Southwest	2	1	30	1101	0	51	72	none	not applicable	not applicable	not applicable
WS6097	7579201085	4840 California Avenue Southwest	2	33	30	1254	0	51	72	none	not applicable	not applicable	not applicable
WS6100	7579201075	4836 California Avenue Southwest	2	2	30	1266	0	51	72	none	not applicable	not applicable	not applicable
WS6101	7579201065	4830 California Avenue Southwest	2	2	30	1251	0	51	72	none	not applicable	not applicable	not applicable
WS6102	7579201055	4826 California Avenue Southwest	2	2	30	1237	0	51	72	none	not applicable	not applicable	not applicable
WS6103	7579201045	4822 California Avenue Southwest	2	2	30	1230	0	51	72	none	not applicable	not applicable	not applicable
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	30	1186	0	51	72	none	not applicable	not applicable	not applicable
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	30	1053	0	51	72	none	not applicable	not applicable	not applicable
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	30	979	0	51	72	none	not applicable	not applicable	not applicable
WS1010	7579200260	4720 42nd Avenue Southwest	2	12	30	914	0	51	72	none	not applicable	not applicable	not applicable
WS1010	7579200260	4720 42nd Avenue Southwest	2	8	30	887	0	51	72	none	not applicable	not applicable	not applicable
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	30	757	0	51	72	none	not applicable	not applicable	not applicable
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	30	1240	0	51	72	none	not applicable	not applicable	not applicable
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	30	1132	0	51	72	none	not applicable	not applicable	not applicable
WS6177	7624700061	4115 Southwest Hudson Street	2	2	30	1045	0	51	72	none	not applicable	not applicable	not applicable
WS6190	7624700006	4111 Southwest Hudson Street	2	1	30	1007	0	51	72	none	not applicable	not applicable	not applicable
WS6192	7624700005	4101 Southwest Hudson Street	2	1	30	964	0	51	72	none	not applicable	not applicable	not applicable
WS6191	7624700010	5007 41st Avenue Southwest	2	4	30	1003	0	51	72	none	not applicable	not applicable	not applicable
WS6187	7624700015	5011 41st Avenue Southwest	2	2	30	1035	0	51	72	none	not applicable	not applicable	not applicable
WS6186	7624700020	5017 41st Avenue Southwest	2	2	30	1078	0	51	72	none	not applicable	not applicable	not applicable
WS6185	7624700025	5021 41st Avenue Southwest	2	2	30	1114	0	51	72	none	not applicable	not applicable	not applicable
WS6184	7624700030	5027 41st Avenue Southwest	2	4	30	1151	0	51	72	none	not applicable	not applicable	not applicable
WS6200	1297300100	5022 41st Avenue Southwest	2	2	30	1046	0	51	72	none	not applicable	not applicable	not applicable
WS6197	1297300095	5028 41st Avenue Southwest	2	1	30	1083	0	51	72	none	not applicable	not applicable	not applicable
WS6203	1297300115	5006 41st Avenue Southwest	2	1	30	934	0	51	72	none	not applicable	not applicable	not applicable
WS6204	1297300120	4015 Southwest Hudson Street	2	1	30	838	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6201	1297300105	5018 41st Avenue Southwest	2	2	30	1001	0	51	72	none	not applicable	not applicable	not applicable
WS6202	1297300110	5012 41st Avenue Southwest	2	1	30	966	0	51	72	none	not applicable	not applicable	not applicable
WS6260	6126601010	4800 40th Avenue Southwest	3	1	30	204	0	53	78	none	not applicable	not applicable	not applicable
WS5013	6126600735	4736 40th Avenue Southwest	3	1	30	203	3	56	78	none	not applicable	not applicable	not applicable
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	30	1127	3	54	78	none	not applicable	not applicable	not applicable
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	30	1199	3	54	78	none	not applicable	not applicable	not applicable
WS2298	0952005890	4400 42nd Avenue Southwest	3	1	30	1385	3	53	78	none	not applicable	not applicable	not applicable
WS6623	0952002655	4100 Southwest Genesee Street	3	1	30	1355	3	53	78	none	not applicable	not applicable	not applicable
WS5135	0952007350	4500 39th Avenue Southwest	3	1	30	168	3	56	78	none	not applicable	not applicable	not applicable
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	30	866	3	54	78	none	not applicable	not applicable	not applicable
WS2214	7579200620	4856 41st Avenue Southwest	2	1	30	819	0	51	72	none	not applicable	not applicable	not applicable
WS2218	7579200600	4846 41st Avenue Southwest	2	2	30	772	0	51	72	none	not applicable	not applicable	not applicable
WS2220	7579200590	4840 41st Avenue Southwest	2	2	30	743	0	51	72	none	not applicable	not applicable	not applicable
WS2192	7579200905	4847 41st Avenue Southwest	2	1	30	863	0	51	72	none	not applicable	not applicable	not applicable
WS2190	7579200895	4853 41st Avenue Southwest	2	1	30	889	0	51	72	none	not applicable	not applicable	not applicable
WS2188	7579200885	4857 41st Avenue Southwest	2	1	30	917	0	51	72	none	not applicable	not applicable	not applicable
WS2194	7579200915	4843 41st Avenue Southwest	2	4	30	845	0	51	72	none	not applicable	not applicable	not applicable
WS2196	7579200925	4837 41st Avenue Southwest	2	2	30	817	0	51	72	none	not applicable	not applicable	not applicable
WS2204	7579200965	4815 41st Avenue Southwest	2	2	30	754	0	51	72	none	not applicable	not applicable	not applicable
WS2210	7579200999	4803 41st Avenue Southwest	2	4	30	726	0	51	72	none	not applicable	not applicable	not applicable
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	30	783	0	51	72	none	not applicable	not applicable	not applicable
WS2222	7579200580	4836 41st Avenue Southwest	2	2	30	682	0	51	72	none	not applicable	not applicable	not applicable
WS2224	7579200570	4832 41st Avenue Southwest	2	2	30	656	0	51	72	none	not applicable	not applicable	not applicable
WS2208	7579200985	4807 41st Avenue Southwest	2	1	30	745	0	51	72	none	not applicable	not applicable	not applicable
WS2206	7579200975	4811 41st Avenue Southwest	2	1	30	756	0	51	72	none	not applicable	not applicable	not applicable
WS2202	7579200955	4823 41st Avenue Southwest	2	1	30	765	0	51	72	none	not applicable	not applicable	not applicable
WS2200	7579200945	4827 41st Avenue Southwest	2	1	30	778	0	51	72	none	not applicable	not applicable	not applicable
WS2226	7579200560	4830 41st Avenue Southwest	2	1	30	643	0	51	72	none	not applicable	not applicable	not applicable
WS2228	7579200550	4822 41st Avenue Southwest	2	1	30	650	0	51	72	none	not applicable	not applicable	not applicable
WS2230	7579200540	4816 41st Avenue Southwest	2	1	30	563	0	52	72	none	not applicable	not applicable	not applicable
WS2232	7579200530	4812 41st Avenue Southwest	2	1	30	631	0	51	72	none	not applicable	not applicable	not applicable
WS2234	7579200491	4023 Southwest Edmunds Street	2	1	30	621	0	51	72	none	not applicable	not applicable	not applicable
WS6115	7579200490	4017 Southwest Edmunds Street	2	1	30	577	0	51	72	none	not applicable	not applicable	not applicable
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	30	953	0	51	72	none	not applicable	not applicable	not applicable
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	30	953	0	51	72	none	not applicable	not applicable	not applicable
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	30	894	0	51	72	none	not applicable	not applicable	not applicable
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	30	953	0	51	72	none	not applicable	not applicable	not applicable
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	30	954	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	30	945	0	51	72	none	not applicable	not applicable	not applicable
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	30	929	0	51	72	none	not applicable	not applicable	not applicable
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	30	1035	0	51	72	none	not applicable	not applicable	not applicable
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	30	1064	0	51	72	none	not applicable	not applicable	not applicable
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	30	1050	0	51	72	none	not applicable	not applicable	not applicable
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	30	1006	0	51	72	none	not applicable	not applicable	not applicable
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	30	995	0	51	72	none	not applicable	not applicable	not applicable
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	30	971	0	51	72	none	not applicable	not applicable	not applicable
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	30	957	0	51	72	none	not applicable	not applicable	not applicable
WS81900	2492700000	4800 Fauntleroy Way Southwest	2	24	30	19	0	66	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	16	30	56	0	57	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	15	0	68	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	110	0	54	72	none	not applicable	not applicable	not applicable
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	373	0	52	72	none	not applicable	not applicable	not applicable
WS5020	6126600300	4727 38th Avenue Southwest	2	1	30	163	0	53	72	none	not applicable	not applicable	not applicable
WS5021	6126600310	4731 38th Avenue Southwest	2	1	30	172	3	56	72	none	not applicable	not applicable	not applicable
WS5022	6126600320	4737 38th Avenue Southwest	2	4	30	156	3	56	72	none	not applicable	not applicable	not applicable
WS5023	0952007660	4530 38th Avenue Southwest	2	120	30	141	3	56	72	none	not applicable	not applicable	not applicable
WS1040	0952007600	4520 Fauntleroy Way Southwest	2	1	30	139	3	56	72	none	not applicable	not applicable	not applicable
WS5062	0952007845	4515 36th Avenue Southwest	3	1	30	217	0	53	78	none	not applicable	not applicable	not applicable
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	282	3	55	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	297	0	52	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	295	0	52	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	294	0	52	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	338	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	288	0	52	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	279	0	52	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	284	0	52	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	35	213	0	57	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	35	179	3	60	72	none	not applicable	not applicable	not applicable
WS1094	9297301925	3201 Southwest Avalon Way	2	16	35	143		60	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	35	71	3	62	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	35	108	3	61	72	none	not applicable	not applicable	not applicable
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	115	0	53	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	106	0	54	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	101	0	54	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	98	0	54	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	104	0	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS81600	0321500000	3112 Southwest Avalon Way	2	16	35	102	0	58	72	none	not applicable	not applicable	not applicable
WS61100	9306000000	3120 Southwest Avalon Way	2	20	35	31	3	67	72	none	not applicable	not applicable	not applicable
WS5205	9297300965	3166 Southwest Genesee Street	2	1	35	79	3	62	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	35	78	3	62	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	35	152	3	61	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	35	191	3	60	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	35	228	3	60	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	35	268	3	60	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	35	303	3	60	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	35	342	3	60	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	35	377	3	60	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	35	414	3	59	72	none	not applicable	not applicable	not applicable
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	35	444	3	59	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	344	0	52	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	314	0	52	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	35	390	3	60	72	none	not applicable	not applicable	not applicable
WS7027	0952004035	4146 36th Avenue Southwest	2	1	30	125	3	56	72	none	not applicable	not applicable	not applicable
WS3006	0952003915	3600 Southwest Genesee Street	2	8	30	139	3	56	72	none	not applicable	not applicable	not applicable
WS7000	0952003805	4158 37th Avenue Southwest	2	1	30	210	3	56	72	none	not applicable	not applicable	not applicable
WS7002	0952003795	4150 37th Avenue Southwest	2	1	30	275	3	55	72	none	not applicable	not applicable	not applicable
WS6697	0952003685	4155 37th Avenue Southwest	2	1	30	324	3	55	72	none	not applicable	not applicable	not applicable
WS6700	0952003676	4151 37th Avenue Southwest	2	1	30	359	3	55	72	none	not applicable	not applicable	not applicable
WS6687	0952003565	4156 38th Avenue Southwest	2	1	30	462	0	52	72	none	not applicable	not applicable	not applicable
WS6690	0952003555	4152 38th Avenue Southwest	2	1	30	492	0	52	72	none	not applicable	not applicable	not applicable
WS6676	0952003445	4157 38th Avenue Southwest	2	1	30	579	0	51	72	none	not applicable	not applicable	not applicable
WS6677	0952003435	4155 38th Avenue Southwest	2	1	30	603	0	51	72	none	not applicable	not applicable	not applicable
WS6665	0952003295	4156 39th Avenue Southwest	2	1	30	713	0	51	72	none	not applicable	not applicable	not applicable
WS6680	0952003425	4149 38th Avenue Southwest	2	1	30	628	0	51	72	none	not applicable	not applicable	not applicable
WS6666	0952003285	4150 39th Avenue Southwest	2	2	30	734	0	51	72	none	not applicable	not applicable	not applicable
WS2400	0952004705	4403 37th Avenue Southwest	2	1	30	269	0	52	72	none	not applicable	not applicable	not applicable
WS2398	0952004715	4407 37th Avenue Southwest	2	1	30	234	0	53	72	none	not applicable	not applicable	not applicable
WS6590	0952004725	4413 37th Avenue Southwest	2	1	30	198	0	53	72	none	not applicable	not applicable	not applicable
WS6587	0952004735	4417 37th Avenue Southwest	2	1	30	167	0	53	72	none	not applicable	not applicable	not applicable
WS6586	0952004745	4421 37th Avenue Southwest	2	1	30	139	0	53	72	none	not applicable	not applicable	not applicable
WS6585	0952004755	4427 37th Avenue Southwest	2	1	30	104	0	54	72	none	not applicable	not applicable	not applicable
WS2396	0952004820	4402 38th Avenue Southwest	2	1	30	396	0	52	72	none	not applicable	not applicable	not applicable
WS2394	0952004830	4406 38th Avenue Southwest	2	1	30	370	0	52	72	none	not applicable	not applicable	not applicable
WS2392	0952004840	4412 38th Avenue Southwest	2	1	30	336	0	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6584	0952004850	4416 38th Avenue Southwest	2	1	30	311	0	52	72	none	not applicable	not applicable	not applicable
WS6583	0952004860	4420 38th Avenue Southwest	2	1	30	281	0	52	72	none	not applicable	not applicable	not applicable
WS6582	0952004865	4422 38th Avenue Southwest	2	1	30	265	0	52	72	none	not applicable	not applicable	not applicable
WS6581	0952004875	4426 38th Avenue Southwest	2	1	30	220	0	53	72	none	not applicable	not applicable	not applicable
WS6580	0952004885	4432 38th Avenue Southwest	2	1	30	182	5	58	72	none	not applicable	not applicable	not applicable
WS5144	0952004895	4436 38th Avenue Southwest	2	1	30	145	5	58	72	none	not applicable	not applicable	not applicable
WS6570	0952005095	4457 38th Avenue Southwest	2	1	30	156	5	58	72	none	not applicable	not applicable	not applicable
WS6571	0952005085	4453 38th Avenue Southwest	2	1	30	182	0	53	72	none	not applicable	not applicable	not applicable
WS6572	0952005075	4451 38th Avenue Southwest	2	1	30	206	0	53	72	none	not applicable	not applicable	not applicable
WS6573	0952005065	4441 38th Avenue Southwest	2	1	30	231	0	53	72	none	not applicable	not applicable	not applicable
WS6574	0952005055	4437 38th Avenue Southwest	2	1	30	279	0	52	72	none	not applicable	not applicable	not applicable
WS6575	0952005045	4433 38th Avenue Southwest	2	1	30	342	0	52	72	none	not applicable	not applicable	not applicable
WS6576	0952005035	4427 38th Avenue Southwest	2	1	30	358	0	52	72	none	not applicable	not applicable	not applicable
WS6577	0952005025	4423 38th Avenue Southwest	2	1	30	399	0	52	72	none	not applicable	not applicable	not applicable
WS2384	0952005015	4417 38th Avenue Southwest	2	1	30	412	0	52	72	none	not applicable	not applicable	not applicable
WS2386	0952005000	4411 38th Avenue Southwest	2	1	30	451	0	52	72	none	not applicable	not applicable	not applicable
WS2388	0952004995	4407 38th Avenue Southwest	2	1	30	490	0	52	72	none	not applicable	not applicable	not applicable
WS2390	0952004985	4403 38th Avenue Southwest	2	1	30	516	0	52	72	none	not applicable	not applicable	not applicable
WS2382	0952005105	4402 39th Avenue Southwest	2	1	30	622	0	51	72	none	not applicable	not applicable	not applicable
WS2380	0952005115	4406 39th Avenue Southwest	2	1	30	603	0	51	72	none	not applicable	not applicable	not applicable
WS6567	0952005145	4420 39th Avenue Southwest	2	1	30	514	0	52	72	none	not applicable	not applicable	not applicable
WS6566	0952005155	4424 39th Avenue Southwest	2	1	30	492	0	52	72	none	not applicable	not applicable	not applicable
WS6565	0952005160	4428 39th Avenue Southwest	2	1	30	476	0	52	72	none	not applicable	not applicable	not applicable
WS6564	0952005165	4434 39th Avenue Southwest	2	1	30	461	0	52	72	none	not applicable	not applicable	not applicable
WS6563	0952005185	4436 39th Avenue Southwest	2	1	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS6562	0952005195	4440 39th Avenue Southwest	2	1	30	411	0	52	72	none	not applicable	not applicable	not applicable
WS6561	0952005200	4442 39th Avenue Southwest	2	1	30	394	0	52	72	none	not applicable	not applicable	not applicable
WS6560	0952005205	4446 39th Avenue Southwest	2	1	30	356	0	52	72	none	not applicable	not applicable	not applicable
WS6557	0952005215	4448 39th Avenue Southwest	2	1	30	326	3	55	72	none	not applicable	not applicable	not applicable
WS6555	0952005224	4452 39th Avenue Southwest	2	1	30	295	3	55	72	none	not applicable	not applicable	not applicable
WS6554	0952005249	4456 39th Avenue Southwest	2	1	30	273	3	55	72	none	not applicable	not applicable	not applicable
WS2378	0952005125	4414 39th Avenue Southwest	2	2	30	591	0	51	72	none	not applicable	not applicable	not applicable
WS2376	0952005135	4416 39th Avenue Southwest	2	2	30	561	0	52	72	none	not applicable	not applicable	not applicable
WS2374	0952005270	4403 39th Avenue Southwest	2	1	30	764	0	51	72	none	not applicable	not applicable	not applicable
WS2372	0952005280	4409 39th Avenue Southwest	2	2	30	743	0	51	72	none	not applicable	not applicable	not applicable
WS6553	0952005290	4413 39th Avenue Southwest	2	1	30	715	0	51	72	none	not applicable	not applicable	not applicable
WS2370	0952005300	4417 39th Avenue Southwest	2	1	30	688	0	51	72	none	not applicable	not applicable	not applicable
WS2368	0952005305	4421 39th Avenue Southwest	2	1	30	657	0	51	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2366	0952005320	4427 39th Avenue Southwest	2	1	30	628	0	51	72	none	not applicable	not applicable	not applicable
WS6552	0952005330	4433 39th Avenue Southwest	2	1	30	579	3	54	72	none	not applicable	not applicable	not applicable
WS6551	0952005340	4437 39th Avenue Southwest	2	1	30	555	3	55	72	none	not applicable	not applicable	not applicable
WS6547	0952005359	4447 39th Avenue Southwest	2	1	30	500	3	55	72	none	not applicable	not applicable	not applicable
WS6546	0952005370	4451 39th Avenue Southwest	2	1	30	448	3	55	72	none	not applicable	not applicable	not applicable
WS6545	0952005380	4457 39th Avenue Southwest	2	1	30	431	3	55	72	none	not applicable	not applicable	not applicable
WS6550	0952005349	4441 39th Avenue Southwest	2	2	30	557	3	55	72	none	not applicable	not applicable	not applicable
WS6655	0952003175	4157 39th Avenue Southwest	2	1	30	851	0	51	72	none	not applicable	not applicable	not applicable
WS6656	0952003165	4153 39th Avenue Southwest	2	1	30	875	0	51	72	none	not applicable	not applicable	not applicable
WS6645	0952003055	4156 40th Avenue Southwest	2	1	30	961	0	51	72	none	not applicable	not applicable	not applicable
WS6646	0952003045	4150 40th Avenue Southwest	2	1	30	999	0	51	72	none	not applicable	not applicable	not applicable
WS6635	0952002935	4010 Southwest Genesee Street	2	1	30	1086	0	51	72	none	not applicable	not applicable	not applicable
WS2364	0952005390	4402 40th Avenue Southwest	2	1	30	890	0	51	72	none	not applicable	not applicable	not applicable
WS2362	0952005400	4414 40th Avenue Southwest	2	1	30	841	0	51	72	none	not applicable	not applicable	not applicable
WS6544	0952005415	4416 40th Avenue Southwest	2	1	30	840	0	51	72	none	not applicable	not applicable	not applicable
WS6543	0952005425	4418 40th Avenue Southwest	2	1	30	773	3	54	72	none	not applicable	not applicable	not applicable
WS2360	0952005435	4422 40th Avenue Southwest	2	1	30	761	3	54	72	none	not applicable	not applicable	not applicable
WS2356	0952005445	4426 40th Avenue Southwest	2	1	30	760	3	54	72	none	not applicable	not applicable	not applicable
WS2354	0952005460	4432 40th Avenue Southwest	2	1	30	673	3	54	72	none	not applicable	not applicable	not applicable
WS6542	0952005470	4438 40th Avenue Southwest	2	1	30	674	3	54	72	none	not applicable	not applicable	not applicable
WS6541	0952005480	4442 40th Avenue Southwest	2	1	30	645	3	54	72	none	not applicable	not applicable	not applicable
WS6540	0952005490	4446 40th Avenue Southwest	2	1	30	635	3	54	72	none	not applicable	not applicable	not applicable
WS6537	0952005500	4452 40th Avenue Southwest	2	1	30	621	3	54	72	none	not applicable	not applicable	not applicable
WS6536	0952005510	4456 40th Avenue Southwest	2	1	30	600	3	54	72	none	not applicable	not applicable	not applicable
WS2330	0952005630	4457 40th Avenue Southwest	2	1	30	738	3	54	72	none	not applicable	not applicable	not applicable
WS2332	0952005620	4453 40th Avenue Southwest	2	1	30	732	3	54	72	none	not applicable	not applicable	not applicable
WS2334	0952005610	4449 40th Avenue Southwest	2	1	30	787	3	54	72	none	not applicable	not applicable	not applicable
WS2336	0952005600	4441 40th Avenue Southwest	2	1	30	797	3	54	72	none	not applicable	not applicable	not applicable
WS2338	0952005590	4437 40th Avenue Southwest	2	1	30	806	3	54	72	none	not applicable	not applicable	not applicable
WS6532	0952005580	4433 40th Avenue Southwest	2	1	30	829	3	54	72	none	not applicable	not applicable	not applicable
WS6533	0952005570	4429 40th Avenue Southwest	2	1	30	859	3	54	72	none	not applicable	not applicable	not applicable
WS2340	0952005560	4421 40th Avenue Southwest	2	1	30	885	3	54	72	none	not applicable	not applicable	not applicable
WS2342	0952005550	4415 40th Avenue Southwest	2	1	30	931	3	54	72	none	not applicable	not applicable	not applicable
WS2344	0952005545	4413 40th Avenue Southwest	2	1	30	942	3	54	72	none	not applicable	not applicable	not applicable
WS2346	0952005540	4411 40th Avenue Southwest	2	1	30	956	3	54	72	none	not applicable	not applicable	not applicable
WS2348	0952005535	4409 40th Avenue Southwest	2	1	30	973	3	54	72	none	not applicable	not applicable	not applicable
WS6534	0952005530	4407 40th Avenue Southwest	2	1	30	984	3	54	72	none	not applicable	not applicable	not applicable
WS2350	0952005525	4405 40th Avenue Southwest	2	1	30	999	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2352	0952005520	4403 40th Avenue Southwest	2	1	30	1015	3	54	72	none	not applicable	not applicable	not applicable
WS6535	0952005515	4401 40th Avenue Southwest	2	1	30	1031	0	51	72	none	not applicable	not applicable	not applicable
WS2326	0952005680	4424 41st Avenue Southwest	2	1	30	1034	3	54	72	none	not applicable	not applicable	not applicable
WS2324	0952005690	4426 41st Avenue Southwest	2	1	30	1021	3	54	72	none	not applicable	not applicable	not applicable
WS2322	0952005695	4430 41st Avenue Southwest	2	1	30	1010	3	54	72	none	not applicable	not applicable	not applicable
WS6531	0952005670	4434 41st Avenue Southwest	2	1	30	997	3	54	72	none	not applicable	not applicable	not applicable
WS6530	0952005719	4436 41st Avenue Southwest	2	1	30	984	3	54	72	none	not applicable	not applicable	not applicable
WS6527	0952005737	4440 41st Avenue Southwest	2	1	30	965	3	54	72	none	not applicable	not applicable	not applicable
WS6526	0952005741	4446 41st Avenue Southwest	2	1	30	915	3	54	72	none	not applicable	not applicable	not applicable
WS2320	0952005750	4452 41st Avenue Southwest	2	1	30	883	3	54	72	none	not applicable	not applicable	not applicable
WS2318	0952005760	4456 41st Avenue Southwest	2	1	30	859	3	54	72	none	not applicable	not applicable	not applicable
WS6524	0952005826	4431 B 41st Avenue Southwest	2	4	30	1114	3	54	72	none	not applicable	not applicable	not applicable
WS6522	0952005827	4429 B 41st Avenue Southwest	2	4	30	1171	3	54	72	none	not applicable	not applicable	not applicable
WS2314	0952005840	4437A 41st Avenue Southwest	2	2	30	1098	3	54	72	none	not applicable	not applicable	not applicable
WS2312	0952005841	4437B 41st Avenue Southwest	2	2	30	1089	3	54	72	none	not applicable	not applicable	not applicable
WS2310	0952005842	4437C 41st Avenue Southwest	2	2	30	1085	3	54	72	none	not applicable	not applicable	not applicable
WS2308	0952005843	4437D 41st Avenue Southwest	2	2	30	1078	3	54	72	none	not applicable	not applicable	not applicable
WS6517	0952005832	4441B 41st Avenue Southwest	2	2	30	1128	3	54	72	none	not applicable	not applicable	not applicable
WS6520	0952005831	4441A 41st Avenue Southwest	2	2	30	1135	3	54	72	none	not applicable	not applicable	not applicable
WS6521	0952005830	4439 41st Avenue Southwest	2	2	30	1148	3	54	72	none	not applicable	not applicable	not applicable
WS6516	0952005860	4449 B 41st Avenue Southwest	2	3	30	1040	3	54	72	none	not applicable	not applicable	not applicable
WS6515	0952005861	4449 A 41st Avenue Southwest	2	3	30	1065	3	54	72	none	not applicable	not applicable	not applicable
WS2302	0952005862	4447 B 41st Avenue Southwest	2	3	30	1086	3	54	72	none	not applicable	not applicable	not applicable
WS2304	0952005863	4447 A 41st Avenue Southwest	2	3	30	1100	3	54	72	none	not applicable	not applicable	not applicable
WS2306	0952005850	4443 41st Avenue Southwest	2	1	30	1084	3	54	72	none	not applicable	not applicable	not applicable
WS6367	0952006630	4501 41st Avenue Southwest	2	3	30	998	3	54	72	none	not applicable	not applicable	not applicable
WS6366	0952006631	4503 41st Avenue Southwest	2	3	30	995	3	54	72	none	not applicable	not applicable	not applicable
WS6362	0952006632	4505 41st Avenue Southwest	2	3	30	991	3	54	72	none	not applicable	not applicable	not applicable
WS6360	0952006633	4507 41st Avenue Southwest	2	3	30	990	3	54	72	none	not applicable	not applicable	not applicable
WS6364	0952006635	4113 Southwest Oregon Street	2	6	30	1058	3	54	72	none	not applicable	not applicable	not applicable
WS6354	0952006638	4109 Southwest Oregon Street	2	6	30	1047	3	54	72	none	not applicable	not applicable	not applicable
WS60700	7942040000	4555 39th Avenue Southwest	2	100	30	266	3	55	72	none	not applicable	not applicable	not applicable
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	420	0	52	72	none	not applicable	not applicable	not applicable
WS60700	7942040000	4555 39th Avenue Southwest	2	40	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS5102	0952007165	4538 40th Avenue Southwest	2	1	30	438	0	52	72	none	not applicable	not applicable	not applicable
WS5106	0952007152	4536B 40th Avenue Southwest	2	6	30	388	0	52	72	none	not applicable	not applicable	not applicable
WS5104	0952007150	4534B 40th Avenue Southwest	2	6	30	443	0	52	72	none	not applicable	not applicable	not applicable
WS5110	0952007141	4530 B 40th Avenue Southwest	2	6	30	396	0	52	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5107	0952007137	4530 D 40th Avenue Southwest	2	6	30	446	0	52	72	none	not applicable	not applicable	not applicable
WS5113	0952007125	4526 40th Avenue Southwest	2	1	30	461	3	55	72	none	not applicable	not applicable	not applicable
WS5114	0952007120	4522 40th Avenue Southwest	2	1	30	477	3	55	72	none	not applicable	not applicable	not applicable
WS5115	0952007105	4518 40th Avenue Southwest	2	3	30	506	3	55	72	none	not applicable	not applicable	not applicable
WS5116	0952007090	4514 40th Avenue Southwest	2	1	30	516	3	55	72	none	not applicable	not applicable	not applicable
WS5122	0952007080	4508 40th Avenue Southwest	2	1	30	530	3	55	72	none	not applicable	not applicable	not applicable
WS5125	0952007065	4506 40th Avenue Southwest	2	1	30	539	3	55	72	none	not applicable	not applicable	not applicable
WS5130	0952007055	3955 Southwest Oregon Street	2	6	30	543	3	55	72	none	not applicable	not applicable	not applicable
WS5132	0952007057	3951 Southwest Oregon Street	2	6	30	491	3	55	72	none	not applicable	not applicable	not applicable
WS5127	0952007069	4506 A 40th Avenue Southwest	2	4	30	506	3	55	72	none	not applicable	not applicable	not applicable
WS5124	0952007082	4510 A 40th Avenue Southwest	2	4	30	490	3	55	72	none	not applicable	not applicable	not applicable
WS5117	0952007091	4512A 40th Avenue Southwest	2	6	30	467	3	55	72	none	not applicable	not applicable	not applicable
WS6396	0952006905	4503 40th Avenue Southwest	2	1	30	679	3	54	72	none	not applicable	not applicable	not applicable
WS6395	0952006915	4507 40th Avenue Southwest	2	1	30	649	3	54	72	none	not applicable	not applicable	not applicable
WS6394	0952006925	4511 40th Avenue Southwest	2	1	30	639	3	54	72	none	not applicable	not applicable	not applicable
WS3004	0952006906	4505 A 40th Avenue Southwest	2	4	30	743	3	54	72	none	not applicable	not applicable	not applicable
WS6385	0952006916	4505 C 40th Avenue Southwest	2	4	30	730	3	54	72	none	not applicable	not applicable	not applicable
WS6382	0952006929	4513 B 40th Avenue Southwest	2	6	30	682	3	54	72	none	not applicable	not applicable	not applicable
WS6381	0952006935	4517 40th Avenue Southwest	2	4	30	671	3	54	72	none	not applicable	not applicable	not applicable
WS6380	0952006939	4521 A 40th Avenue Southwest	2	6	30	684	3	54	72	none	not applicable	not applicable	not applicable
WS6393	0952006941	4523 A 40th Avenue Southwest	2	6	30	636	3	54	72	none	not applicable	not applicable	not applicable
WS6376	0952006953	4529 A 40th Avenue Southwest	2	4	30	673	0	51	72	none	not applicable	not applicable	not applicable
WS6391	0952006957	4527 A 40th Avenue Southwest	2	4	30	622	0	51	72	none	not applicable	not applicable	not applicable
WS6374	0952006961	4533 A 40th Avenue Southwest	2	4	30	659	0	51	72	none	not applicable	not applicable	not applicable
WS6370	0952006979	4539 B 40th Avenue Southwest	2	4	30	614	0	51	72	none	not applicable	not applicable	not applicable
WS6387	0952006965	4531 40th Avenue Southwest	2	2	30	606	0	51	72	none	not applicable	not applicable	not applicable
WS6386	0952006975	4537 40th Avenue Southwest	2	2	30	571	0	51	72	none	not applicable	not applicable	not applicable
WS5096	0952006989	4543 B 40th Avenue Southwest	2	3	30	606	0	51	72	none	not applicable	not applicable	not applicable
WS5101	0952006985	4541 40th Avenue Southwest	2	2	30	557	0	52	72	none	not applicable	not applicable	not applicable
WS5094	0952006999	4547 B 40th Avenue Southwest	2	3	30	598	0	51	72	none	not applicable	not applicable	not applicable
WS5100	0952006995	4545 40th Avenue Southwest	2	2	30	554	0	52	72	none	not applicable	not applicable	not applicable
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	833	0	51	72	none	not applicable	not applicable	not applicable
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	1057	0	51	72	none	not applicable	not applicable	not applicable
WS2254	0952006855	4536 41st Avenue Southwest	2	1	30	759	0	51	72	none	not applicable	not applicable	not applicable
WS2262	0952006845	4532 41st Avenue Southwest	2	1	30	758	0	51	72	none	not applicable	not applicable	not applicable
WS2280	0952006815	4520A 41st Avenue Southwest	2	5	30	806	0	51	72	none	not applicable	not applicable	not applicable
WS2282	0952006805	4514 41st Avenue Southwest	2	1	30	820	3	54	72	none	not applicable	not applicable	not applicable
WS2284	0952006795	4512 41st Avenue Southwest	2	1	30	826	3	54	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2286	0952006789	4504 41st Avenue Southwest	2	3	30	832	3	54	72	none	not applicable	not applicable	not applicable
WS2290	0952006775	4019 Southwest Oregon Street	2	2	30	829	3	54	72	none	not applicable	not applicable	not applicable
WS2272	0952006838	4528 B 41st Avenue Southwest	2	8	30	725	0	51	72	none	not applicable	not applicable	not applicable
WS2264	0952006836	4526 B 41st Avenue Southwest	2	8	30	795	0	51	72	none	not applicable	not applicable	not applicable
WS2268	0952006823	4522 B 41st Avenue Southwest	2	4	30	809	0	51	72	none	not applicable	not applicable	not applicable
WS2276	0952006825	4524 B 41st Avenue Southwest	2	4	30	731	0	51	72	none	not applicable	not applicable	not applicable
WS5091	0952006871	4544 C 41st Avenue Southwest	2	6	30	692	0	51	72	none	not applicable	not applicable	not applicable
WS2252	0952006865	4542 41st Avenue Southwest	2	6	30	745	0	51	72	none	not applicable	not applicable	not applicable
WS2256	0952006861	4538 C 41st Avenue Southwest	2	6	30	717	0	51	72	none	not applicable	not applicable	not applicable
WS2246	0952006700	4525 41st Avenue Southwest	2	48	30	906	0	51	72	none	not applicable	not applicable	not applicable
WS2186	0952006510	4502 42nd Avenue Southwest	2	96	30	1134	3	54	72	none	not applicable	not applicable	not applicable
WS2176	0952006560	4526 42nd Avenue Southwest	2	1	30	1098	0	51	72	none	not applicable	not applicable	not applicable
WS2174	0952006565	4532 42nd Avenue Southwest	2	32	30	1105	0	51	72	none	not applicable	not applicable	not applicable
WS60600	1591920000	4527 41st Avenue Southwest	2	6	30	945	0	51	72	none	not applicable	not applicable	not applicable
WS5086	0952006718	4533 C 41st Avenue Southwest	2	3	30	942	0	51	72	none	not applicable	not applicable	not applicable
WS5083	0952006728	4535 C 41st Avenue Southwest	2	3	30	929	0	51	72	none	not applicable	not applicable	not applicable
WS2242	0952006715	4531 41st Avenue Southwest	2	2	30	903	0	51	72	none	not applicable	not applicable	not applicable
WS2240	0952006725	4537 41st Avenue Southwest	2	2	30	889	0	51	72	none	not applicable	not applicable	not applicable
WS60300	2607870000	4752 41st Avenue Southwest	2	36	30	624	0	51	72	none	not applicable	not applicable	not applicable
WS2238	7579200295	4744 41st Avenue Southwest	2	48	30	625	0	51	72	none	not applicable	not applicable	not applicable
WS2238	7579200295	4744 41st Avenue Southwest	2	48	30	637	3	54	72	none	not applicable	not applicable	not applicable
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	30	1066	3	54	72	none	not applicable	not applicable	not applicable
WS2162	0952006465	4545 42nd Avenue Southwest	2	64	30	1155	0	51	72	none	not applicable	not applicable	not applicable
WS6351	0952006385	4505 42nd Avenue Southwest	2	36	30	1268	3	54	72	none	not applicable	not applicable	not applicable
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	241	0	53	72	none	not applicable	not applicable	not applicable

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-17. Summary of Vibration Analysis – Tunnel 41st Avenue Station Alternative (WSJ-3a)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	55	532	0	35	72	none	10	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	55	521	0	35	72	none	10	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	55	454	0	36	72	none	12	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	55	446	1	37	72	none	12	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	55	443	1	37	72	none	13	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	55	435	1	37	72	none	13	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	55	434	1	37	72	none	13	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	55	431	1	37	72	none	13	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	55	447	1	37	72	none	12	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	55	441	0	36	72	none	12	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	55	435	0	37	72	none	12	35	none
WS2128	7579201215	4811 42nd Avenue Southwest	2	1	55	424	0	37	72	none	12	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	55	510	1	36	72	none	11	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	55	545	1	36	72	none	10	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	55	541	1	36	72	none	11	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	55	537	1	36	72	none	11	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	55	539	1	36	72	none	11	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	55	511	0	35	72	none	10	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	55	376	0	38	72	none	13	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	55	306	0	40	72	none	16	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	12	55	241	0	42	72	none	19	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	8	55	220	0	44	72	none	20	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	55	109	10	66	72	none	40	35	5
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	55	406	0	37	72	none	13	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	55	285	0	40	72	none	17	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	55	195	0	46	72	none	21	35	none
WS6190	7624700006	4111 Southwest Hudson Street	2	1	55	158	0	49	72	none	24	35	none
WS6192	7624700005	4101 Southwest Hudson Street	2	1	55	133	0	53	72	none	27	35	none
WS6191	7624700010	5007 41st Avenue Southwest	2	4	55	167	1	49	72	none	24	35	none
WS6187	7624700015	5011 41st Avenue Southwest	2	2	55	202	1	46	72	none	22	35	none
WS6186	7624700020	5017 41st Avenue Southwest	2	2	55	248	1	43	72	none	19	35	none
WS6185	7624700025	5021 41st Avenue Southwest	2	2	55	292	1	41	72	none	17	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	55	337	1	40	72	none	16	35	none
WS6200	1297300100	5022 41st Avenue Southwest	2	2	55	290	1	41	72	none	17	35	none
WS6197	1297300095	5028 41st Avenue Southwest	2	1	55	330	1	40	72	none	16	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6203	1297300115	5006 41st Avenue Southwest	2	1	55	164	1	50	72	none	25	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	55	178	0	47	72	none	23	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	55	241	1	43	72	none	19	35	none
WS6202	1297300110	5012 41st Avenue Southwest	2	1	55	200	1	46	72	none	22	35	none
WS6260	6126601010	4800 40th Avenue Southwest	3	1	55	466	0	36	78	none	11	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	55	467	0	36	78	none	11	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	40	287	3	42	78	none	16	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	40	363	3	37	78	none	13	40	none
WS2298	0952005890	4400 42nd Avenue Southwest	3	1	40	574	3	32	78	none	8	40	none
WS6623	0952002655	4100 Southwest Genesee Street	3	1	40	577	3	32	78	none	7	40	none
WS5135	0952007350	4500 39th Avenue Southwest	3	1	40	600	3	32	78	none	7	40	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	30	146	0	44	78	none	22	40	none
WS2192	7579200905	4847 41st Avenue Southwest	2	1	55	126	1	54	72	none	29	35	none
WS2190	7579200895	4853 41st Avenue Southwest	2	1	55	128	1	54	72	none	29	35	none
WS2188	7579200885	4857 41st Avenue Southwest	2	1	55	127	0	53	72	none	28	35	none
WS2194	7579200915	4843 41st Avenue Southwest	2	4	55	129	1	54	72	none	28	35	none
WS2196	7579200925	4837 41st Avenue Southwest	2	2	55	126	1	54	72	none	29	35	none
WS2204	7579200965	4815 41st Avenue Southwest	2	2	55	113	10	65	72	none	40	35	5
WS2210	7579200999	4803 41st Avenue Southwest	2	4	55	103	10	67	72	none	41	35	6
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	55	137	5	57	72	none	32	35	none
WS2208	7579200985	4807 41st Avenue Southwest	2	1	55	111	10	66	72	none	40	35	5
WS2206	7579200975	4811 41st Avenue Southwest	2	1	55	119	10	64	72	none	39	35	4
WS2202	7579200955	4823 41st Avenue Southwest	2	1	55	118	6	60	72	none	35	35	none
WS2200	7579200945	4827 41st Avenue Southwest	2	1	55	118	6	60	72	none	35	35	none
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	55	285	0	40	72	none	17	35	none
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	55	284	0	40	72	none	17	35	none
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	55	231	0	43	72	none	19	35	none
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	55	285	0	40	72	none	17	35	none
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	55	270	1	42	72	none	18	35	none
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	55	269	0	41	72	none	17	35	none
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	55	259	0	41	72	none	18	35	none
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	55	283	1	41	72	none	18	35	none
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	55	268	0	41	72	none	17	35	none
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	55	274	1	42	72	none	18	35	none
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	55	269	1	42	72	none	18	35	none
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	55	272	1	42	72	none	18	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	55	265	1	42	72	none	18	35	none
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	55	262	1	42	72	none	18	35	none
WS81900	2492700000	4800 Fauntleroy Way Southwest	2	24	55	708	0	33	72	none	7	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	16	55	603	0	34	72	none	9	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	55	603	0	34	72	none	9	35	none
WS7126	6126600380	4754 Fauntleroy Way Southwest	2	60	55	693	0	33	72	none	7	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	604	0	28	72	none	3	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	365	0	32	72	none	8	35	none
WS5020	6126600300	4727 38th Avenue Southwest	2	1	30	890	0	24	72	none	-1	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	55	887	0	31	72	none	5	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	55	857	0	31	72	none	5	35	none
WS5023	0952007660	4530 38th Avenue Southwest	2	120	40	883	0	25	72	none	0	35	none
WS1040	0952007600	4520 Fauntleroy Way Southwest	2	1	40	773	0	26	72	none	1	35	none
WS5062	0952007845	4515 36th Avenue Southwest	3	1	40	604	1	29	78	none	5	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	193	0	39	72	none	17	35	none
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	206	0	45	72	none	21	35	none
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	205	0	45	72	none	21	35	none
WS5147	9297302040	3281 Southwest Avalon Way	2	1	55	204	0	45	72	none	21	35	none
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	55	245	0	42	72	none	18	35	none
WS81400	0321050000	3271 Southwest Avalon Way	2	24	55	199	0	45	72	none	21	35	none
WS81400	0321050000	3271 Southwest Avalon Way	2	80	55	190	0	46	72	none	22	35	none
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	195	0	46	72	none	21	35	none
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	129	0	53	72	none	28	35	none
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	71	0	63	72	none	38	35	3
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	64	0	65	72	none	40	35	5
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	74	0	63	72	none	37	35	2
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	74	0	63	72	none	37	35	2
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	77	0	62	72	none	36	35	1
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	79	0	62	72	none	36	35	1
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	81	0	61	72	none	36	35	<1
WS60800	0321000000	3256 Southwest Avalon Way	2	32	55	83	0	61	72	none	35	35	<1
WS81600	0321500000	3112 Southwest Avalon Way	2	16	55	193	0	46	72	none	22	35	none
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	138	0	52	72	none	27	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	195	0	46	72	none	21	35	none
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	196	0	46	72	none	21	35	none
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	266	0	41	72	none	17	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	303	0	40	72	none	16	35	none
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	339	0	39	72	none	15	35	none
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	374	0	38	72	none	14	35	none
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	407	0	37	72	none	13	35	none
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	444	0	36	72	none	12	35	none
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	477	0	36	72	none	11	35	none
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	513	0	35	72	none	10	35	none
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	537	0	35	72	none	10	35	none
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	241	0	42	72	none	19	35	none
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	228	0	43	72	none	19	35	none
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	349	0	38	72	none	14	35	none
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	454	0	36	72	none	12	35	none
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	238	0	42	72	none	19	35	none
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	236	0	43	72	none	19	35	none
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	235	0	43	72	none	19	35	none
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	249	0	42	72	none	18	35	none
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	300	0	40	72	none	16	35	none
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	387	0	38	72	none	13	35	none
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	425	0	37	72	none	12	35	none
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	499	0	35	72	none	11	35	none
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	113	0	55	72	none	30	35	none
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	126	0	54	72	none	28	35	none
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	132	0	53	72	none	27	35	none
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	133	0	52	72	none	27	35	none
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	134	0	52	72	none	27	35	none
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	128	0	53	72	none	28	35	none
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	126	0	53	72	none	28	35	none
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	129	0	53	72	none	28	35	none
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	128	0	53	72	none	28	35	none
WS7027	0952004035	4146 36th Avenue Southwest	2	1	30	225	0	36	72	none	15	35	none
WS3006	0952003915	3600 Southwest Genesee Street	2	8	40	147	0	50	72	none	23	35	none
WS7000	0952003805	4158 37th Avenue Southwest	2	1	40	151	1	50	72	none	23	35	none
WS7002	0952003795	4150 37th Avenue Southwest	2	1	40	193	1	46	72	none	19	35	none
WS6697	0952003685	4155 37th Avenue Southwest	2	1	40	164	1	49	72	none	22	35	none
WS6700	0952003676	4151 37th Avenue Southwest	2	1	40	202	1	45	72	none	18	35	none
WS6687	0952003565	4156 38th Avenue Southwest	2	1	40	176	0	47	72	none	20	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6690	0952003555	4152 38th Avenue Southwest	2	1	40	214	0	44	72	none	17	35	none
WS6676	0952003445	4157 38th Avenue Southwest	2	1	40	184	3	49	72	none	22	35	none
WS6677	0952003435	4155 38th Avenue Southwest	2	1	40	212	3	47	72	none	20	35	none
WS6665	0952003295	4156 39th Avenue Southwest	2	1	40	213	3	47	72	none	20	35	none
WS6680	0952003425	4149 38th Avenue Southwest	2	1	40	242	3	45	72	none	18	35	none
WS6666	0952003285	4150 39th Avenue Southwest	2	2	40	243	3	44	72	none	18	35	none
WS2400	0952004705	4403 37th Avenue Southwest	2	1	40	121	1	54	72	none	27	35	none
WS2398	0952004715	4407 37th Avenue Southwest	2	1	40	121	1	54	72	none	27	35	none
WS6590	0952004725	4413 37th Avenue Southwest	2	1	40	129	1	53	72	none	26	35	none
WS6587	0952004735	4417 37th Avenue Southwest	2	1	40	151	1	50	72	none	23	35	none
WS6586	0952004745	4421 37th Avenue Southwest	2	1	40	186	1	47	72	none	20	35	none
WS6585	0952004755	4427 37th Avenue Southwest	2	1	40	227	1	43	72	none	17	35	none
WS5145	0952004765	4431 37th Avenue Southwest	2	16	40	322	1	37	72	none	12	35	none
WS2396	0952004820	4402 38th Avenue Southwest	2	1	40	132	0	52	72	none	25	35	none
WS2394	0952004830	4406 38th Avenue Southwest	2	1	40	132	0	52	72	none	25	35	none
WS2392	0952004840	4412 38th Avenue Southwest	2	1	40	139	0	51	72	none	24	35	none
WS6584	0952004850	4416 38th Avenue Southwest	2	1	40	156	0	49	72	none	22	35	none
WS6583	0952004860	4420 38th Avenue Southwest	2	1	40	186	0	46	72	none	19	35	none
WS6582	0952004865	4422 38th Avenue Southwest	2	1	40	204	0	44	72	none	18	35	none
WS6581	0952004875	4426 38th Avenue Southwest	2	1	40	247	0	41	72	none	15	35	none
WS6580	0952004885	4432 38th Avenue Southwest	2	1	40	293	0	38	72	none	13	35	none
WS5144	0952004895	4436 38th Avenue Southwest	2	1	40	336	0	36	72	none	11	35	none
WS5142	0952004915	4446 38th Avenue Southwest	2	1	40	410	0	33	72	none	8	35	none
WS5143	0952004905	4442 38th Avenue Southwest	2	2	40	371	0	34	72	none	10	35	none
WS5137	0952004935	4450 38th Avenue Southwest	2	2	40	521	0	30	72	none	6	35	none
WS5140	0952004930	3718 Southwest Oregon Street	2	2	40	508	0	30	72	none	6	35	none
WS5141	0952004925	3714 Southwest Oregon Street	2	3	40	507	0	30	72	none	6	35	none
WS6570	0952005095	4457 38th Avenue Southwest	2	1	40	503	3	34	72	none	9	35	none
WS6571	0952005085	4453 38th Avenue Southwest	2	1	40	458	3	35	72	none	10	35	none
WS6572	0952005075	4451 38th Avenue Southwest	2	1	40	422	3	35	72	none	11	35	none
WS6573	0952005065	4441 38th Avenue Southwest	2	1	40	377	3	37	72	none	12	35	none
WS6574	0952005055	4437 38th Avenue Southwest	2	1	40	326	3	39	72	none	14	35	none
WS6575	0952005045	4433 38th Avenue Southwest	2	1	40	263	3	43	72	none	17	35	none
WS6576	0952005035	4427 38th Avenue Southwest	2	1	40	226	3	46	72	none	19	35	none
WS6577	0952005025	4423 38th Avenue Southwest	2	1	40	186	3	49	72	none	22	35	none
WS2384	0952005015	4417 38th Avenue Southwest	2	1	40	163	3	51	72	none	24	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2386	0952005000	4411 38th Avenue Southwest	2	1	40	140	3	54	72	none	27	35	none
WS2388	0952004995	4407 38th Avenue Southwest	2	1	40	135	3	55	72	none	27	35	none
WS2390	0952004985	4403 38th Avenue Southwest	2	1	40	137	3	54	72	none	27	35	none
WS2382	0952005105	4402 39th Avenue Southwest	2	1	40	147	3	53	72	none	26	35	none
WS2380	0952005115	4406 39th Avenue Southwest	2	1	40	140	3	54	72	none	27	35	none
WS6567	0952005145	4420 39th Avenue Southwest	2	1	40	175	3	50	72	none	23	35	none
WS6566	0952005155	4424 39th Avenue Southwest	2	1	40	194	3	48	72	none	22	35	none
WS6565	0952005160	4428 39th Avenue Southwest	2	1	40	211	3	47	72	none	20	35	none
WS6564	0952005165	4434 39th Avenue Southwest	2	1	40	239	3	45	72	none	18	35	none
WS6563	0952005185	4436 39th Avenue Southwest	2	1	40	271	3	43	72	none	17	35	none
WS6562	0952005195	4440 39th Avenue Southwest	2	1	40	308	3	40	72	none	15	35	none
WS6561	0952005200	4442 39th Avenue Southwest	2	1	40	329	3	39	72	none	14	35	none
WS6560	0952005205	4446 39th Avenue Southwest	2	1	40	366	3	37	72	none	13	35	none
WS6557	0952005215	4448 39th Avenue Southwest	2	1	40	398	3	36	72	none	12	35	none
WS6555	0952005224	4452 39th Avenue Southwest	2	1	40	436	3	35	72	none	11	35	none
WS6554	0952005249	4456 39th Avenue Southwest	2	1	40	469	3	34	72	none	10	35	none
WS2378	0952005125	4414 39th Avenue Southwest	2	2	40	140	3	54	72	none	27	35	none
WS2376	0952005135	4416 39th Avenue Southwest	2	2	40	147	3	53	72	none	26	35	none
WS2374	0952005270	4403 39th Avenue Southwest	2	1	40	173	3	50	72	none	23	35	none
WS2372	0952005280	4409 39th Avenue Southwest	2	2	40	155	3	52	72	none	25	35	none
WS6553	0952005290	4413 39th Avenue Southwest	2	1	40	133	3	55	72	none	28	35	none
WS2370	0952005300	4417 39th Avenue Southwest	2	1	40	133	3	55	72	none	28	35	none
WS2368	0952005305	4421 39th Avenue Southwest	2	1	40	135	3	55	72	none	27	35	none
WS2366	0952005320	4427 39th Avenue Southwest	2	1	40	149	3	53	72	none	26	35	none
WS6552	0952005330	4433 39th Avenue Southwest	2	1	40	183	3	49	72	none	22	35	none
WS6551	0952005340	4437 39th Avenue Southwest	2	1	40	205	3	47	72	none	21	35	none
WS6547	0952005359	4447 39th Avenue Southwest	2	1	40	269	3	43	72	none	17	35	none
WS6546	0952005370	4451 39th Avenue Southwest	2	1	40	324	3	39	72	none	14	35	none
WS6545	0952005380	4457 39th Avenue Southwest	2	1	40	354	3	38	72	none	13	35	none
WS6550	0952005349	4441 39th Avenue Southwest	2	2	40	213	3	47	72	none	20	35	none
WS6655	0952003175	4157 39th Avenue Southwest	2	1	40	253	3	44	72	none	18	35	none
WS6656	0952003165	4153 39th Avenue Southwest	2	1	40	286	3	42	72	none	16	35	none
WS6645	0952003055	4156 40th Avenue Southwest	2	1	40	297	3	41	72	none	15	35	none
WS6646	0952003045	4150 40th Avenue Southwest	2	1	40	339	3	39	72	none	14	35	none
WS6635	0952002935	4010 Southwest Genesee Street	2	1	40	368	3	37	72	none	13	35	none
WS2364	0952005390	4402 40th Avenue Southwest	2	1	40	207	3	47	72	none	20	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2362	0952005400	4414 40th Avenue Southwest	2	1	40	162	3	51	72	none	24	35	none
WS6544	0952005415	4416 40th Avenue Southwest	2	1	40	152	3	53	72	none	25	35	none
WS6543	0952005425	4418 40th Avenue Southwest	2	1	40	123	3	56	72	none	29	35	none
WS2360	0952005435	4422 40th Avenue Southwest	2	1	40	111	3	58	72	none	31	35	none
WS2356	0952005445	4426 40th Avenue Southwest	2	1	40	112	3	58	72	none	31	35	none
WS2354	0952005460	4432 40th Avenue Southwest	2	1	40	131	3	55	72	none	28	35	none
WS6542	0952005470	4438 40th Avenue Southwest	2	1	40	131	3	55	72	none	28	35	none
WS6541	0952005480	4442 40th Avenue Southwest	2	1	40	157	3	52	72	none	25	35	none
WS6540	0952005490	4446 40th Avenue Southwest	2	1	40	171	3	51	72	none	24	35	none
WS6537	0952005500	4452 40th Avenue Southwest	2	1	40	186	3	49	72	none	22	35	none
WS6536	0952005510	4456 40th Avenue Southwest	2	1	40	211	3	47	72	none	20	35	none
WS2330	0952005630	4457 40th Avenue Southwest	2	1	40	112	3	58	72	none	31	35	none
WS2332	0952005620	4453 40th Avenue Southwest	2	1	40	113	3	58	72	none	31	35	none
WS2334	0952005610	4449 40th Avenue Southwest	2	1	40	89	3	62	72	none	35	35	none
WS2336	0952005600	4441 40th Avenue Southwest	2	1	40	90	3	62	72	none	35	35	none
WS2338	0952005590	4437 40th Avenue Southwest	2	1	40	90	3	62	72	none	35	35	none
WS6532	0952005580	4433 40th Avenue Southwest	2	1	40	104	3	59	72	none	32	35	none
WS6533	0952005570	4429 40th Avenue Southwest	2	1	40	120	3	57	72	none	29	35	none
WS2340	0952005560	4421 40th Avenue Southwest	2	1	40	140	3	54	72	none	27	35	none
WS2342	0952005550	4415 40th Avenue Southwest	2	1	40	179	3	50	72	none	23	35	none
WS2344	0952005545	4413 40th Avenue Southwest	2	1	40	190	3	49	72	none	22	35	none
WS2346	0952005540	4411 40th Avenue Southwest	2	1	40	211	3	47	72	none	20	35	none
WS2348	0952005535	4409 40th Avenue Southwest	2	1	40	229	3	45	72	none	19	35	none
WS6534	0952005530	4407 40th Avenue Southwest	2	1	40	242	3	44	72	none	18	35	none
WS2350	0952005525	4405 40th Avenue Southwest	2	1	40	260	3	43	72	none	17	35	none
WS2352	0952005520	4403 40th Avenue Southwest	2	1	40	277	3	42	72	none	16	35	none
WS6535	0952005515	4401 40th Avenue Southwest	2	1	40	297	3	41	72	none	15	35	none
WS2326	0952005680	4424 41st Avenue Southwest	2	1	40	245	3	44	72	none	18	35	none
WS2324	0952005690	4426 41st Avenue Southwest	2	1	40	228	3	46	72	none	19	35	none
WS2322	0952005695	4430 41st Avenue Southwest	2	1	40	214	3	47	72	none	20	35	none
WS6531	0952005670	4434 41st Avenue Southwest	2	1	40	195	3	48	72	none	21	35	none
WS6530	0952005719	4436 41st Avenue Southwest	2	1	40	181	3	50	72	none	23	35	none
WS6527	0952005737	4440 41st Avenue Southwest	2	1	40	160	3	52	72	none	25	35	none
WS6526	0952005741	4446 41st Avenue Southwest	2	1	40	117	3	57	72	none	30	35	none
WS2320	0952005750	4452 41st Avenue Southwest	2	1	40	97	3	60	72	none	33	35	none
WS2318	0952005760	4456 41st Avenue Southwest	2	1	40	89	3	62	72	none	35	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6524	0952005826	4431 B 41st Avenue Southwest	2	4	40	298	3	41	72	none	15	35	none
WS6522	0952005827	4429 B 41st Avenue Southwest	2	4	40	349	3	38	72	none	13	35	none
WS2314	0952005840	4437A 41st Avenue Southwest	2	2	40	280	3	42	72	none	16	35	none
WS2312	0952005841	4437B 41st Avenue Southwest	2	2	40	270	3	43	72	none	17	35	none
WS2310	0952005842	4437C 41st Avenue Southwest	2	2	40	265	3	43	72	none	17	35	none
WS2308	0952005843	4437D 41st Avenue Southwest	2	2	40	256	3	44	72	none	17	35	none
WS6517	0952005832	4441B 41st Avenue Southwest	2	2	40	302	3	41	72	none	15	35	none
WS6520	0952005831	4441A 41st Avenue Southwest	2	2	40	309	3	40	72	none	15	35	none
WS6521	0952005830	4439 41st Avenue Southwest	2	2	40	325	3	39	72	none	14	35	none
WS6516	0952005860	4449 B 41st Avenue Southwest	2	3	40	217	3	46	72	none	20	35	none
WS6515	0952005861	4449 A 41st Avenue Southwest	2	3	40	239	3	45	72	none	18	35	none
WS2302	0952005862	4447 B 41st Avenue Southwest	2	3	40	258	3	43	72	none	17	35	none
WS2304	0952005863	4447 A 41st Avenue Southwest	2	3	40	271	3	43	72	none	17	35	none
WS2306	0952005850	4443 41st Avenue Southwest	2	1	40	259	3	43	72	none	17	35	none
WS6367	0952006630	4501 41st Avenue Southwest	2	3	40	167	3	51	72	none	24	35	none
WS6366	0952006631	4503 41st Avenue Southwest	2	3	40	164	3	51	72	none	24	35	none
WS6362	0952006632	4505 41st Avenue Southwest	2	3	40	160	3	52	72	none	25	35	none
WS6360	0952006633	4507 41st Avenue Southwest	2	3	40	159	3	52	72	none	25	35	none
WS6364	0952006635	4113 Southwest Oregon Street	2	6	40	219	3	46	72	none	20	35	none
WS6354	0952006638	4109 Southwest Oregon Street	2	6	40	209	3	47	72	none	20	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	40	566	3	32	72	none	8	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	364	0	32	72	none	8	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	40	40	365	3	37	72	none	13	35	none
WS5102	0952007165	4538 40th Avenue Southwest	2	1	40	374	3	37	72	none	12	35	none
WS5106	0952007152	4536B 40th Avenue Southwest	2	6	40	435	3	35	72	none	11	35	none
WS5104	0952007150	4534B 40th Avenue Southwest	2	6	40	378	3	37	72	none	12	35	none
WS5110	0952007141	4530 B 40th Avenue Southwest	2	6	40	434	3	35	72	none	11	35	none
WS5107	0952007137	4530 D 40th Avenue Southwest	2	6	40	383	3	37	72	none	12	35	none
WS5113	0952007125	4526 40th Avenue Southwest	2	1	40	374	3	37	72	none	12	35	none
WS5114	0952007120	4522 40th Avenue Southwest	2	1	40	359	3	38	72	none	13	35	none
WS5115	0952007105	4518 40th Avenue Southwest	2	3	40	329	3	39	72	none	14	35	none
WS5116	0952007090	4514 40th Avenue Southwest	2	1	40	317	3	40	72	none	15	35	none
WS5122	0952007080	4508 40th Avenue Southwest	2	1	40	301	3	41	72	none	15	35	none
WS5125	0952007065	4506 40th Avenue Southwest	2	1	40	289	3	41	72	none	16	35	none
WS5130	0952007055	3955 Southwest Oregon Street	2	6	40	281	3	42	72	none	16	35	none
WS5132	0952007057	3951 Southwest Oregon Street	2	6	40	327	3	39	72	none	14	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5127	0952007069	4506 A 40th Avenue Southwest	2	4	40	317	3	40	72	none	15	35	none
WS5124	0952007082	4510 A 40th Avenue Southwest	2	4	40	337	3	39	72	none	14	35	none
WS5117	0952007091	4512A 40th Avenue Southwest	2	6	40	364	3	37	72	none	13	35	none
WS6396	0952006905	4503 40th Avenue Southwest	2	1	40	165	3	51	72	none	24	35	none
WS6395	0952006915	4507 40th Avenue Southwest	2	1	40	193	3	48	72	none	22	35	none
WS6394	0952006925	4511 40th Avenue Southwest	2	1	40	205	3	47	72	none	21	35	none
WS3004	0952006906	4505 A 40th Avenue Southwest	2	4	40	115	3	57	72	none	30	35	none
WS6385	0952006916	4505 C 40th Avenue Southwest	2	4	40	127	3	56	72	none	28	35	none
WS6382	0952006929	4513 B 40th Avenue Southwest	2	6	40	167	3	51	72	none	24	35	none
WS6381	0952006935	4517 40th Avenue Southwest	2	4	40	178	3	50	72	none	23	35	none
WS6380	0952006939	4521 A 40th Avenue Southwest	2	6	40	164	3	51	72	none	24	35	none
WS6393	0952006941	4523 A 40th Avenue Southwest	2	6	40	208	3	47	72	none	20	35	none
WS6376	0952006953	4529 A 40th Avenue Southwest	2	4	40	170	3	51	72	none	24	35	none
WS6391	0952006957	4527 A 40th Avenue Southwest	2	4	40	217	3	46	72	none	20	35	none
WS6374	0952006961	4533 A 40th Avenue Southwest	2	4	40	176	3	50	72	none	23	35	none
WS6370	0952006979	4539 B 40th Avenue Southwest	2	4	40	199	3	48	72	none	21	35	none
WS6387	0952006965	4531 40th Avenue Southwest	2	2	40	225	3	46	72	none	19	35	none
WS6386	0952006975	4537 40th Avenue Southwest	2	2	40	241	3	45	72	none	18	35	none
WS5096	0952006989	4543 B 40th Avenue Southwest	2	3	30	196	0	39	72	none	17	35	none
WS5101	0952006985	4541 40th Avenue Southwest	2	2	30	245	0	35	72	none	14	35	none
WS5094	0952006999	4547 B 40th Avenue Southwest	2	3	30	197	0	39	72	none	17	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	87	0	53	72	none	31	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	281	0	34	72	none	12	35	none
WS2262	952006845	4532 41st Avenue Southwest	2	1	40	93	3	61	72	none	34	35	none
WS2280	0952006815	4520A 41st Avenue Southwest	2	5	40	88	3	62	72	none	35	35	<1
WS7582	0952006817	4520C 41st Avenue Southwest	2	See WS2280	40	88	3	62	72	none	35	35	<1
WS7583	0952006816	4520B 41st Avenue Southwest	2	See WS2280	40	88	3	62	72	none	35	35	<1
WS7584	0952006813	4518A 41st Avenue Southwest	2	See WS2280	40	88	3	62	72	none	35	35	<1
WS7585	0952006814	4518B 41st Avenue Southwest	2	See WS2280	40	88	3	62	72	none	35	35	<1
WS2282	0952006805	4514 41st Avenue Southwest	2	1	40	86	3	62	72	none	35	35	<1
WS2284	0952006795	4512 41st Avenue Southwest	2	1	40	87	3	62	72	none	35	35	<1
WS2286	0952006789	4504 41st Avenue Southwest	2	3	40	87	3	62	72	none	35	35	<1
WS2290	0952006775	4019 Southwest Oregon Street	2	2	40	87	3	62	72	none	35	35	<1
WS2272	0952006838	4528 B 41st Avenue Southwest	2	8	40	123	3	56	72	none	29	35	none
WS2264	0952006836	4526 B 41st Avenue Southwest	2	8	40	85	3	63	72	none	36	35	<1
WS2268	0952006823	4522 B 41st Avenue Southwest	2	4	40	83	3	63	72	none	36	35	<1

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2276	0952006825	4524 B 41st Avenue Southwest	2	4	40	124	3	56	72	none	29	35	none
WS2246	0952006700	4525 41st Avenue Southwest	2	48	40	100	3	60	72	none	33	35	none
WS2186	0952006510	4502 42nd Avenue Southwest	2	96	40	290	3	41	72	none	16	35	none
WS2176	0952006560	4526 42nd Avenue Southwest	2	1	40	271	3	43	72	none	17	35	none
WS2174	0952006565	4532 42nd Avenue Southwest	2	32	40	283	3	42	72	none	16	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	40	134	3	55	72	none	28	35	none
WS5086	0952006718	4533 C 41st Avenue Southwest	2	3	40	139	3	54	72	none	27	35	none
WS5083	0952006728	4535 C 41st Avenue Southwest	2	3	40	137	3	54	72	none	27	35	none
WS2242	0952006715	4531 41st Avenue Southwest	2	2	40	107	3	59	72	none	31	35	none
WS2240	0952006725	4537 41st Avenue Southwest	2	2	40	106	3	59	72	none	32	35	none
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	30	374	0	32	72	none	8	35	none
WS2162	0952006465	4545 42nd Avenue Southwest	2	64	30	384	0	31	72	none	8	35	none
WS6351	0952006385	4505 42nd Avenue Southwest	2	36	40	419	3	35	72	none	11	35	none
WS1030	0952007545	4550 Fauntleroy Way Southwest	3	1	30	847	0	25	78	none	-1	40	none
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	1025	0	23	72	none	-3	35	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-18. Summary of Vibration Analysis – Tunnel 41st Avenue Station Alternative (WSJ-3a) when Connecting to the Dakota Street Station Lower Height North Alignment Option (DEL-2b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	55	537	0	35	72	none	10	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	55	525	0	35	72	none	10	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	55	459	0	36	72	none	11	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	55	451	0	36	72	none	12	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	55	448	1	37	72	none	12	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	55	439	1	37	72	none	13	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	55	438	1	37	72	none	13	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	55	437	1	37	72	none	13	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	55	453	1	37	72	none	12	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	55	447	1	37	72	none	12	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	55	440	1	37	72	none	13	35	none
WS2128	7579201215	4811 42nd Avenue Southwest	2	1	55	429	0	37	72	none	12	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	55	514	1	36	72	none	11	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	55	549	1	35	72	none	10	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	55	544	1	36	72	none	10	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	55	542	1	36	72	none	11	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	55	543	1	36	72	none	11	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	55	514	0	35	72	none	10	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	55	380	0	38	72	none	13	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	55	311	0	39	72	none	16	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	12	55	247	0	42	72	none	18	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	8	55	228	0	43	72	none	19	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	55	119	10	64	72	none	39	35	4
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	55	412	0	37	72	none	13	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	55	293	0	40	72	none	16	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	55	205	0	45	72	none	21	35	none
WS6190	7624700006	4111 Southwest Hudson Street	2	1	55	170	0	48	72	none	23	35	none
WS6192	7624700005	4101 Southwest Hudson Street	2	1	55	147	0	51	72	none	26	35	none
WS6191	7624700010	5007 41st Avenue Southwest	2	4	55	179	0	47	72	none	23	35	none
WS6187	7624700015	5011 41st Avenue Southwest	2	2	55	212	0	44	72	none	20	35	none
WS6186	7624700020	5017 41st Avenue Southwest	2	2	55	257	0	41	72	none	18	35	none
WS6185	7624700025	5021 41st Avenue Southwest	2	2	55	300	0	40	72	none	16	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	55	343	0	39	72	none	14	35	none
WS6200	1297300100	5022 41st Avenue Southwest	2	2	55	297	0	40	72	none	16	35	none
WS6197	1297300095	5028 41st Avenue Southwest	2	1	55	336	0	39	72	none	15	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6203	1297300115	5006 41st Avenue Southwest	2	1	55	176	0	48	72	none	23	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	55	188	0	47	72	none	22	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	55	250	0	42	72	none	18	35	none
WS6202	1297300110	5012 41st Avenue Southwest	2	1	55	209	0	45	72	none	21	35	none
WS6260	6126601010	4800 40th Avenue Southwest	3	1	55	469	0	36	78	none	11	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	55	469	0	36	78	none	11	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	40	291	3	41	78	none	16	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	40	366	3	37	78	none	13	40	none
WS2298	0952005890	4400 42nd Avenue Southwest	3	1	40	575	3	32	78	none	8	40	none
WS6623	0952002655	4100 Southwest Genesee Street	3	1	40	577	3	32	78	none	7	40	none
WS5135	0952007350	4500 39th Avenue Southwest	3	1	40	612	3	32	78	none	7	40	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	30	155	0	43	78	none	21	40	none
WS2192	7579200905	4847 41st Avenue Southwest	2	1	55	139	0	52	72	none	26	35	none
WS2190	7579200895	4853 41st Avenue Southwest	2	1	55	140	0	52	72	none	26	35	none
WS2188	7579200885	4857 41st Avenue Southwest	2	1	55	141	0	52	72	none	26	35	none
WS2194	7579200915	4843 41st Avenue Southwest	2	4	55	141	1	52	72	none	27	35	none
WS2196	7579200925	4837 41st Avenue Southwest	2	2	55	138	1	53	72	none	27	35	none
WS2204	7579200965	4815 41st Avenue Southwest	2	2	55	130	11	64	72	none	38	35	3
WS2210	7579200999	4803 41st Avenue Southwest	2	4	55	115	10	65	72	none	39	35	4
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	55	147	5	56	72	none	31	35	none
WS2208	7579200985	4807 41st Avenue Southwest	2	1	55	127	10	63	72	none	38	35	3
WS2206	7579200975	4811 41st Avenue Southwest	2	1	55	130	10	63	72	none	37	35	2
WS2202	7579200955	4823 41st Avenue Southwest	2	1	55	130	6	59	72	none	33	35	none
WS2200	7579200945	4827 41st Avenue Southwest	2	1	55	135	6	58	72	none	33	35	none
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	55	291	0	40	72	none	16	35	none
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	55	291	0	40	72	none	16	35	none
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	55	237	0	42	72	none	19	35	none
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	55	292	0	40	72	none	16	35	none
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	55	276	1	42	72	none	18	35	none
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	55	277	1	41	72	none	18	35	none
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	55	267	0	41	72	none	17	35	none
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	55	289	1	41	72	none	17	35	none
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	55	275	0	41	72	none	17	35	none
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	55	281	0	41	72	none	17	35	none
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	55	276	1	42	72	none	18	35	none
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	55	279	1	41	72	none	18	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	55	271	1	42	72	none	18	35	none
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	55	271	1	42	72	none	18	35	none
WS81900	2492700000	4800 Fauntleroy Way Southwest	2	24	55	709	0	33	72	none	7	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	16	55	604	0	34	72	none	9	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	55	605	0	34	72	none	9	35	none
WS7126	6126600380	4754 Fauntleroy Way Southwest	2	60	55	695	0	33	72	none	7	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	605	0	28	72	none	3	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	367	0	32	72	none	8	35	none
WS5020	6126600300	4727 38th Avenue Southwest	2	1	55	891	0	31	72	none	5	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	55	887	0	31	72	none	5	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	55	858	0	31	72	none	5	35	none
WS5023	0952007660	4530 38th Avenue Southwest	2	120	40	900	3	28	72	none	3	35	none
WS1040	0952007600	4520 Fauntleroy Way Southwest	2	1	40	795	0	26	72	none	1	35	none
WS5062	0952007845	4515 36th Avenue Southwest	3	1	40	645	0	28	78	none	3	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	289	0	34	72	none	11	35	none
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	319	0	39	72	none	15	35	none
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	321	0	39	72	none	15	35	none
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	312	0	33	72	none	10	35	none
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	55	361	0	38	72	none	14	35	none
WS81400	0321050000	3271 Southwest Avalon Way	2	24	55	318	0	39	72	none	15	35	none
WS81400	0321050000	3271 Southwest Avalon Way	2	80	55	315	0	39	72	none	15	35	none
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	336	1	40	72	none	16	35	none
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	307	1	40	72	none	17	35	none
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	301	1	41	72	none	17	35	none
WS1094	9297301925	3201 Southwest Avalon Way	2	16	55	273	1	42	72	none	18	35	none
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	167	1	49	72	none	24	35	none
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	152	1	51	72	none	26	35	none
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	176	1	48	72	none	24	35	none
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	179	1	48	72	none	23	35	none
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	166	1	49	72	none	25	35	none
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	157	1	50	72	none	25	35	none
WS60800	0321000000	3256 Southwest Avalon Way	2	32	55	149	0	51	72	none	25	35	none
WS2410	9297301835	3268 Southwest Avalon Way	2	18	55	149	0	51	72	none	25	35	none
WS81600	0321500000	3112 Southwest Avalon Way	2	16	55	154	0	50	72	none	25	35	none
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	120	1	55	72	none	30	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	88	1	61	72	none	35	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	101	1	58	72	none	32	35	none
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	145	1	52	72	none	27	35	none
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	176	1	48	72	none	24	35	none
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	208	1	46	72	none	21	35	none
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	244	1	43	72	none	19	35	none
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	278	1	41	72	none	18	35	none
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	316	1	40	72	none	16	35	none
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	350	1	39	72	none	15	35	none
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	386	1	38	72	none	14	35	none
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	421	1	38	72	none	13	35	none
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	127	1	54	72	none	29	35	none
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	220	1	45	72	none	21	35	none
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	318	1	40	72	none	16	35	none
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	129	1	54	72	none	28	35	none
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	137	1	53	72	none	27	35	none
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	178	1	48	72	none	24	35	none
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	254	1	42	72	none	19	35	none
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	290	1	41	72	none	17	35	none
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	361	1	39	72	none	15	35	none
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	98	1	59	72	none	33	35	none
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	95	1	59	72	none	33	35	none
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	96	1	59	72	none	33	35	none
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	96	1	59	72	none	33	35	none
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	96	1	59	72	none	33	35	none
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	98	1	59	72	none	33	35	none
WS7027	0952004035	4146 36th Avenue Southwest	2	1	30	166	0	42	72	none	20	35	none
WS7000	0952003805	4158 37th Avenue Southwest	2	1	40	142	0	51	72	none	24	35	none
WS7002	0952003795	4150 37th Avenue Southwest	2	1	40	174	0	47	72	none	20	35	none
WS6697	0952003685	4155 37th Avenue Southwest	2	1	40	156	0	49	72	none	22	35	none
WS6700	0952003676	4151 37th Avenue Southwest	2	1	40	187	0	46	72	none	19	35	none
WS6687	0952003565	4156 38th Avenue Southwest	2	1	40	176	0	47	72	none	20	35	none
WS6690	0952003555	4152 38th Avenue Southwest	2	1	40	209	0	44	72	none	17	35	none
WS6676	0952003445	4157 38th Avenue Southwest	2	1	40	190	3	49	72	none	22	35	none
WS6677	0952003435	4155 38th Avenue Southwest	2	1	40	214	3	47	72	none	20	35	none
WS6665	0952003295	4156 39th Avenue Southwest	2	1	40	218	3	46	72	none	20	35	none
WS6680	0952003425	4149 38th Avenue Southwest	2	1	40	240	3	45	72	none	18	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6666	0952003285	4150 39th Avenue Southwest	2	2	40	245	3	44	72	none	18	35	none
WS2400	0952004705	4403 37th Avenue Southwest	2	1	40	135	0	52	72	none	24	35	none
WS2398	0952004715	4407 37th Avenue Southwest	2	1	40	137	0	51	72	none	24	35	none
WS6590	0952004725	4413 37th Avenue Southwest	2	1	40	155	0	49	72	none	22	35	none
WS6587	0952004735	4417 37th Avenue Southwest	2	1	40	181	0	47	72	none	20	35	none
WS6586	0952004745	4421 37th Avenue Southwest	2	1	40	222	0	43	72	none	16	35	none
WS6585	0952004755	4427 37th Avenue Southwest	2	1	40	264	0	40	72	none	14	35	none
WS5145	0952004765	4431 37th Avenue Southwest	2	16	40	356	0	35	72	none	10	35	none
WS2396	0952004820	4402 38th Avenue Southwest	2	1	40	145	0	50	72	none	23	35	none
WS2394	0952004830	4406 38th Avenue Southwest	2	1	40	146	0	50	72	none	23	35	none
WS2392	0952004840	4412 38th Avenue Southwest	2	1	40	158	0	49	72	none	22	35	none
WS6584	0952004850	4416 38th Avenue Southwest	2	1	40	178	0	47	72	none	20	35	none
WS6583	0952004860	4420 38th Avenue Southwest	2	1	40	208	0	44	72	none	17	35	none
WS6582	0952004865	4422 38th Avenue Southwest	2	1	40	227	0	43	72	none	16	35	none
WS6581	0952004875	4426 38th Avenue Southwest	2	1	40	270	0	40	72	none	14	35	none
WS6580	0952004885	4432 38th Avenue Southwest	2	1	40	317	0	37	72	none	12	35	none
WS5144	0952004895	4436 38th Avenue Southwest	2	1	40	360	0	35	72	none	10	35	none
WS5142	0952004915	4446 38th Avenue Southwest	2	1	40	431	3	35	72	none	11	35	none
WS5143	0952004905	4442 38th Avenue Southwest	2	2	40	395	0	33	72	none	9	35	none
WS5137	0952004935	4450 38th Avenue Southwest	2	2	40	541	3	33	72	none	8	35	none
WS5140	0952004930	3718 Southwest Oregon Street	2	2	40	531	0	30	72	none	5	35	none
WS5141	0952004925	3714 Southwest Oregon Street	2	3	40	533	0	30	72	none	5	35	none
WS6570	0952005095	4457 38th Avenue Southwest	2	1	40	517	3	33	72	none	9	35	none
WS6571	0952005085	4453 38th Avenue Southwest	2	1	40	472	3	34	72	none	10	35	none
WS6572	0952005075	4451 38th Avenue Southwest	2	1	40	437	3	35	72	none	11	35	none
WS6573	0952005065	4441 38th Avenue Southwest	2	1	40	393	3	36	72	none	12	35	none
WS6574	0952005055	4437 38th Avenue Southwest	2	1	40	342	3	38	72	none	14	35	none
WS6575	0952005045	4433 38th Avenue Southwest	2	1	40	279	3	42	72	none	16	35	none
WS6576	0952005035	4427 38th Avenue Southwest	2	1	40	244	3	44	72	none	18	35	none
WS6577	0952005025	4423 38th Avenue Southwest	2	1	40	204	3	47	72	none	21	35	none
WS2384	0952005015	4417 38th Avenue Southwest	2	1	40	182	3	49	72	none	23	35	none
WS2386	0952005000	4411 38th Avenue Southwest	2	1	40	158	3	52	72	none	25	35	none
WS2388	0952004995	4407 38th Avenue Southwest	2	1	40	151	3	53	72	none	26	35	none
WS2390	0952004985	4403 38th Avenue Southwest	2	1	40	152	3	53	72	none	25	35	none
WS2382	0952005105	4402 39th Avenue Southwest	2	1	40	157	3	52	72	none	25	35	none
WS2380	0952005115	4406 39th Avenue Southwest	2	1	40	154	3	52	72	none	25	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6567	0952005145	4420 39th Avenue Southwest	2	1	40	194	3	48	72	none	22	35	none
WS6566	0952005155	4424 39th Avenue Southwest	2	1	40	212	3	47	72	none	20	35	none
WS6565	0952005160	4428 39th Avenue Southwest	2	1	40	229	3	45	72	none	19	35	none
WS6564	0952005165	4434 39th Avenue Southwest	2	1	40	254	3	44	72	none	18	35	none
WS6563	0952005185	4436 39th Avenue Southwest	2	1	40	283	3	42	72	none	16	35	none
WS6562	0952005195	4440 39th Avenue Southwest	2	1	40	320	3	40	72	none	14	35	none
WS6561	0952005200	4442 39th Avenue Southwest	2	1	40	340	3	39	72	none	14	35	none
WS6560	0952005205	4446 39th Avenue Southwest	2	1	40	377	3	37	72	none	12	35	none
WS6557	0952005215	4448 39th Avenue Southwest	2	1	40	410	3	36	72	none	11	35	none
WS6555	0952005224	4452 39th Avenue Southwest	2	1	40	451	3	35	72	none	10	35	none
WS6554	0952005249	4456 39th Avenue Southwest	2	1	40	481	3	34	72	none	10	35	none
WS2378	0952005125	4414 39th Avenue Southwest	2	2	40	157	3	52	72	none	25	35	none
WS2376	0952005135	4416 39th Avenue Southwest	2	2	40	166	3	51	72	none	24	35	none
WS2374	0952005270	4403 39th Avenue Southwest	2	1	40	176	3	50	72	none	23	35	none
WS2372	0952005280	4409 39th Avenue Southwest	2	2	40	159	3	52	72	none	25	35	none
WS6553	0952005290	4413 39th Avenue Southwest	2	1	40	151	3	53	72	none	25	35	none
WS2370	0952005300	4417 39th Avenue Southwest	2	1	40	146	3	53	72	none	26	35	none
WS2368	0952005305	4421 39th Avenue Southwest	2	1	40	151	3	53	72	none	26	35	none
WS2366	0952005320	4427 39th Avenue Southwest	2	1	40	165	3	51	72	none	24	35	none
WS6552	0952005330	4433 39th Avenue Southwest	2	1	40	205	3	47	72	none	21	35	none
WS6551	0952005340	4437 39th Avenue Southwest	2	1	40	223	3	46	72	none	19	35	none
WS6547	0952005359	4447 39th Avenue Southwest	2	1	40	289	3	41	72	none	16	35	none
WS6546	0952005370	4451 39th Avenue Southwest	2	1	40	340	3	39	72	none	14	35	none
WS6545	0952005380	4457 39th Avenue Southwest	2	1	40	372	3	37	72	none	13	35	none
WS6550	0952005349	4441 39th Avenue Southwest	2	2	40	236	3	45	72	none	19	35	none
WS6655	0952003175	4157 39th Avenue Southwest	2	1	40	251	3	44	72	none	18	35	none
WS6656	0952003165	4153 39th Avenue Southwest	2	1	40	285	3	42	72	none	16	35	none
WS6645	0952003055	4156 40th Avenue Southwest	2	1	40	296	3	41	72	none	15	35	none
WS6646	0952003045	4150 40th Avenue Southwest	2	1	40	337	3	39	72	none	14	35	none
WS6635	0952002935	4010 Southwest Genesee Street	2	1	40	367	3	37	72	none	13	35	none
WS2364	0952005390	4402 40th Avenue Southwest	2	1	40	217	3	46	72	none	20	35	none
WS2362	0952005400	4414 40th Avenue Southwest	2	1	40	177	3	50	72	none	23	35	none
WS6544	0952005415	4416 40th Avenue Southwest	2	1	40	163	3	51	72	none	24	35	none
WS6543	0952005425	4418 40th Avenue Southwest	2	1	40	141	3	54	72	none	27	35	none
WS2360	0952005435	4422 40th Avenue Southwest	2	1	40	141	3	54	72	none	27	35	none
WS2356	0952005445	4426 40th Avenue Southwest	2	1	40	136	3	55	72	none	27	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2354	0952005460	4432 40th Avenue Southwest	2	1	40	156	3	52	72	none	25	35	none
WS6542	0952005470	4438 40th Avenue Southwest	2	1	40	163	3	51	72	none	24	35	none
WS6541	0952005480	4442 40th Avenue Southwest	2	1	40	182	3	49	72	none	23	35	none
WS6540	0952005490	4446 40th Avenue Southwest	2	1	40	195	3	48	72	none	21	35	none
WS6537	0952005500	4452 40th Avenue Southwest	2	1	40	213	3	47	72	none	20	35	none
WS6536	0952005510	4456 40th Avenue Southwest	2	1	40	233	3	45	72	none	19	35	none
WS2330	0952005630	4457 40th Avenue Southwest	2	1	40	138	3	54	72	none	27	35	none
WS2332	0952005620	4453 40th Avenue Southwest	2	1	40	139	3	54	72	none	27	35	none
WS2334	0952005610	4449 40th Avenue Southwest	2	1	40	125	3	56	72	none	29	35	none
WS2336	0952005600	4441 40th Avenue Southwest	2	1	40	124	3	56	72	none	29	35	none
WS2338	0952005590	4437 40th Avenue Southwest	2	1	40	131	3	55	72	none	28	35	none
WS6532	0952005580	4433 40th Avenue Southwest	2	1	40	132	3	55	72	none	28	35	none
WS6533	0952005570	4429 40th Avenue Southwest	2	1	40	143	3	54	72	none	26	35	none
WS2340	0952005560	4421 40th Avenue Southwest	2	1	40	163	3	51	72	none	24	35	none
WS2342	0952005550	4415 40th Avenue Southwest	2	1	40	196	3	48	72	none	21	35	none
WS2344	0952005545	4413 40th Avenue Southwest	2	1	40	205	3	47	72	none	21	35	none
WS2346	0952005540	4411 40th Avenue Southwest	2	1	40	219	3	46	72	none	20	35	none
WS2348	0952005535	4409 40th Avenue Southwest	2	1	40	236	3	45	72	none	19	35	none
WS6534	0952005530	4407 40th Avenue Southwest	2	1	40	249	3	44	72	none	18	35	none
WS2350	0952005525	4405 40th Avenue Southwest	2	1	40	265	3	43	72	none	17	35	none
WS2352	0952005520	4403 40th Avenue Southwest	2	1	40	284	3	42	72	none	16	35	none
WS6535	0952005515	4401 40th Avenue Southwest	2	1	40	303	3	41	72	none	15	35	none
WS2326	0952005680	4424 41st Avenue Southwest	2	1	40	258	3	43	72	none	17	35	none
WS2324	0952005690	4426 41st Avenue Southwest	2	1	40	238	3	45	72	none	18	35	none
WS2322	0952005695	4430 41st Avenue Southwest	2	1	40	226	3	46	72	none	19	35	none
WS6531	0952005670	4434 41st Avenue Southwest	2	1	40	209	3	47	72	none	20	35	none
WS6530	0952005719	4436 41st Avenue Southwest	2	1	40	197	3	48	72	none	21	35	none
WS6527	0952005737	4440 41st Avenue Southwest	2	1	40	174	3	50	72	none	23	35	none
WS6526	0952005741	4446 41st Avenue Southwest	2	1	40	138	3	54	72	none	27	35	none
WS2320	0952005750	4452 41st Avenue Southwest	2	1	40	118	3	57	72	none	30	35	none
WS2318	0952005760	4456 41st Avenue Southwest	2	1	40	112	3	58	72	none	31	35	none
WS6524	0952005826	4431 B 41st Avenue Southwest	2	4	40	303	3	41	72	none	15	35	none
WS6522	0952005827	4429 B 41st Avenue Southwest	2	4	40	353	3	38	72	none	13	35	none
WS2314	0952005840	4437A 41st Avenue Southwest	2	2	40	286	3	42	72	none	16	35	none
WS2312	0952005841	4437B 41st Avenue Southwest	2	2	40	277	3	42	72	none	16	35	none
WS2310	0952005842	4437C 41st Avenue Southwest	2	2	40	272	3	42	72	none	17	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2308	0952005843	4437D 41st Avenue Southwest	2	2	40	264	3	43	72	none	17	35	none
WS6517	0952005832	4441B 41st Avenue Southwest	2	2	40	308	3	40	72	none	15	35	none
WS6520	0952005831	4441A 41st Avenue Southwest	2	2	40	315	3	40	72	none	15	35	none
WS6521	0952005830	4439 41st Avenue Southwest	2	2	40	330	3	39	72	none	14	35	none
WS6516	0952005860	4449 B 41st Avenue Southwest	2	3	40	224	3	46	72	none	19	35	none
WS6515	0952005861	4449 A 41st Avenue Southwest	2	3	40	246	3	44	72	none	18	35	none
WS2302	0952005862	4447 B 41st Avenue Southwest	2	3	40	264	3	43	72	none	17	35	none
WS2304	0952005863	4447 A 41st Avenue Southwest	2	3	40	276	3	42	72	none	16	35	none
WS2306	0952005850	4443 41st Avenue Southwest	2	1	40	264	3	43	72	none	17	35	none
WS6367	0952006630	4501 41st Avenue Southwest	2	3	40	175	3	50	72	none	23	35	none
WS6366	0952006631	4503 41st Avenue Southwest	2	3	40	169	3	51	72	none	24	35	none
WS6362	0952006632	4505 41st Avenue Southwest	2	3	40	166	3	51	72	none	24	35	none
WS6360	0952006633	4507 41st Avenue Southwest	2	3	40	165	3	51	72	none	24	35	none
WS6364	0952006635	4113 Southwest Oregon Street	2	6	40	223	3	46	72	none	19	35	none
WS6354	0952006638	4109 Southwest Oregon Street	2	6	40	213	3	47	72	none	20	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	40	568	3	32	72	none	8	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	365	0	32	72	none	8	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	40	30	366	0	32	72	none	8	35	none
WS5102	0952007165	4538 40th Avenue Southwest	2	1	30	375	0	32	72	none	8	35	none
WS5106	0952007152	4536B 40th Avenue Southwest	2	6	40	436	3	35	72	none	11	35	none
WS5104	0952007150	4534B 40th Avenue Southwest	2	6	40	381	3	37	72	none	12	35	none
WS5110	0952007141	4530 B 40th Avenue Southwest	2	6	40	437	3	35	72	none	11	35	none
WS5107	0952007137	4530 D 40th Avenue Southwest	2	6	40	385	3	36	72	none	12	35	none
WS5113	0952007125	4526 40th Avenue Southwest	2	1	40	377	3	37	72	none	12	35	none
WS5114	0952007120	4522 40th Avenue Southwest	2	1	40	364	3	37	72	none	13	35	none
WS5115	0952007105	4518 40th Avenue Southwest	2	3	40	337	3	39	72	none	14	35	none
WS5116	0952007090	4514 40th Avenue Southwest	2	1	40	325	3	39	72	none	14	35	none
WS5122	0952007080	4508 40th Avenue Southwest	2	1	40	312	3	40	72	none	15	35	none
WS5125	0952007065	4506 40th Avenue Southwest	2	1	40	300	3	41	72	none	15	35	none
WS5130	0952007055	3955 Southwest Oregon Street	2	6	40	296	3	41	72	none	15	35	none
WS5132	0952007057	3951 Southwest Oregon Street	2	6	40	340	3	39	72	none	14	35	none
WS5127	0952007069	4506 A 40th Avenue Southwest	2	4	40	330	3	39	72	none	14	35	none
WS5124	0952007082	4510 A 40th Avenue Southwest	2	4	40	348	3	38	72	none	13	35	none
WS5117	0952007091	4512A 40th Avenue Southwest	2	6	40	371	3	37	72	none	13	35	none
WS6396	0952006905	4503 40th Avenue Southwest	2	1	40	178	3	50	72	none	23	35	none
WS6395	0952006915	4507 40th Avenue Southwest	2	1	40	205	3	47	72	none	21	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6394	0952006925	4511 40th Avenue Southwest	2	1	40	212	3	47	72	none	20	35	none
WS3004	0952006906	4505 A 40th Avenue Southwest	2	4	40	137	3	54	72	none	27	35	none
WS6385	0952006916	4505 C 40th Avenue Southwest	2	4	40	142	3	54	72	none	27	35	none
WS6382	0952006929	4513 B 40th Avenue Southwest	2	6	40	176	3	50	72	none	23	35	none
WS6381	0952006935	4517 40th Avenue Southwest	2	4	40	186	3	49	72	none	22	35	none
WS6380	0952006939	4521 A 40th Avenue Southwest	2	6	40	171	3	51	72	none	24	35	none
WS6393	0952006941	4523 A 40th Avenue Southwest	2	6	40	215	3	47	72	none	20	35	none
WS6376	0952006953	4529 A 40th Avenue Southwest	2	4	40	177	3	50	72	none	23	35	none
WS6391	0952006957	4527 A 40th Avenue Southwest	2	4	40	222	3	46	72	none	20	35	none
WS6374	0952006961	4533 A 40th Avenue Southwest	2	4	40	180	3	50	72	none	23	35	none
WS6370	0952006979	4539 B 40th Avenue Southwest	2	4	30	203	0	38	72	none	17	35	none
WS6387	0952006965	4531 40th Avenue Southwest	2	2	40	229	3	45	72	none	19	35	none
WS6386	0952006975	4537 40th Avenue Southwest	2	2	30	243	0	35	72	none	14	35	none
WS5096	0952006989	4543 B 40th Avenue Southwest	2	3	30	201	0	38	72	none	17	35	none
WS5101	0952006985	4541 40th Avenue Southwest	2	2	30	249	0	35	72	none	14	35	none
WS5094	0952006999	4547 B 40th Avenue Southwest	2	3	30	202	0	38	72	none	17	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	99	0	51	72	none	29	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	285	0	34	72	none	12	35	none
WS2256	952006861	4538C 41st Avenue Southwest	2	6	30	117	0	78	72	none	26	35	none
WS2262	952006845	4532 41st Avenue Southwest	2	1	40	104	3	59	72	none	32	35	none
WS2280	0952006815	4520A 41st Avenue Southwest	2	5	40	98	3	60	72	none	33	35	none
WS2282	0952006805	4514 41st Avenue Southwest	2	1	40	100	3	60	72	none	33	35	none
WS2284	0952006795	4512 41st Avenue Southwest	2	1	40	100	3	60	72	none	33	35	none
WS2286	0952006789	4504 41st Avenue Southwest	2	3	40	100	3	60	72	none	33	35	none
WS2290	0952006775	4019 Southwest Oregon Street	2	2	40	106	3	59	72	none	32	35	none
WS2272	0952006838	4528 B 41st Avenue Southwest	2	8	40	130	3	55	72	none	28	35	none
WS2264	0952006836	4526 B 41st Avenue Southwest	2	8	40	94	3	61	72	none	34	35	none
WS2268	0952006823	4522 B 41st Avenue Southwest	2	4	40	97	3	60	72	none	33	35	none
WS2276	0952006825	4524 B 41st Avenue Southwest	2	4	40	132	3	55	72	none	28	35	none
WS2246	0952006700	4525 41st Avenue Southwest	2	48	40	111	3	58	72	none	31	35	none
WS2186	0952006510	4502 42nd Avenue Southwest	2	96	40	292	3	41	72	none	16	35	none
WS2176	0952006560	4526 42nd Avenue Southwest	2	1	40	274	3	42	72	none	16	35	none
WS2174	0952006565	4532 42nd Avenue Southwest	2	32	40	287	3	42	72	none	16	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	40	140	3	54	72	none	27	35	none
WS5086	0952006718	4533 C 41st Avenue Southwest	2	3	40	147	3	53	72	none	26	35	none
WS5083	0952006728	4535 C 41st Avenue Southwest	2	3	30	143	0	44	72	none	22	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2242	0952006715	4531 41st Avenue Southwest	2	2	40	117	3	57	72	none	30	35	none
WS2240	0952006725	4537 41st Avenue Southwest	2	2	30	114	0	48	72	none	26	35	none
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	55	378	0	38	72	none	13	35	none
WS2162	0952006465	4545 42nd Avenue Southwest	2	64	30	388	0	31	72	none	8	35	none
WS6351	0952006385	4505 42nd Avenue Southwest	2	36	40	421	3	35	72	none	11	35	none
WS1030	0952007545	4550 Fauntleroy Way Southwest	3	1	30	847	0	25	78	none	-1	40	none
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	1026	0	23	72	none	-3	35	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-19. Summary of Vibration Analysis – Tunnel 42nd Avenue Station Option (WSJ-3b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	30	207	0	38	72	none	16	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	30	203	0	38	72	none	17	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	30	140	0	45	72	none	23	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	30	136	0	45	72	none	23	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	30	136	0	45	72	none	23	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	30	132	0	46	72	none	24	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	30	133	0	46	72	none	24	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	30	133	0	46	72	none	24	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	30	147	5	49	72	none	27	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	30	144	5	49	72	none	27	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	30	139	5	50	72	none	28	35	none
WS2128	7579201215	4811 42nd Avenue Southwest	2	1	30	133	10	56	72	none	34	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	30	192	0	39	72	none	18	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	30	227	0	36	72	none	15	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	30	224	0	36	72	none	15	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	30	223	0	36	72	none	15	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	30	226	0	36	72	none	15	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	30	203	5	43	72	none	22	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	30	95	10	61	72	none	40	35	5
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	30	121	0	47	72	none	25	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	30	127	0	46	72	none	25	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	30	198	0	39	72	none	17	35	none
WS6190	7624700006	4111 Southwest Hudson Street	2	1	30	254	0	35	72	none	13	35	none
WS6192	7624700005	4101 Southwest Hudson Street	2	1	30	304	0	33	72	none	11	35	none
WS6191	7624700010	5007 41st Avenue Southwest	2	4	30	320	0	33	72	none	10	35	none
WS6187	7624700015	5011 41st Avenue Southwest	2	2	30	342	0	32	72	none	9	35	none
WS6186	7624700020	5017 41st Avenue Southwest	2	2	30	369	0	32	72	none	8	35	none
WS6185	7624700025	5021 41st Avenue Southwest	2	2	30	401	0	31	72	none	7	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	30	435	0	30	72	none	6	35	none
WS6200	1297300100	5022 41st Avenue Southwest	2	2	30	479	0	30	72	none	5	35	none
WS6197	1297300095	5028 41st Avenue Southwest	2	1	30	504	0	29	72	none	5	35	none
WS6203	1297300115	5006 41st Avenue Southwest	2	1	30	407	0	31	72	none	7	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	30	478	0	30	72	none	5	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	30	453	0	30	72	none	6	35	none
WS6202	1297300110	5012 41st Avenue Southwest	2	1	30	427	0	30	72	none	6	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6260	6126601010	4800 40th Avenue Southwest	3	1	30	789	0	25	78	none	0	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	30	791	0	25	78	none	0	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	40	110	3	58	78	none	31	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	40	135	3	55	78	none	27	40	none
WS2298	0952005890	4400 42nd Avenue Southwest	3	1	40	353	3	38	78	none	13	40	none
WS6623	0952002655	4100 Southwest Genesee Street	3	1	40	393	3	36	78	none	12	40	none
WS5135	0952007350	4500 39th Avenue Southwest	3	1	40	650	0	28	78	none	3	40	none
WS2214	7579200620	4856 41st Avenue Southwest	2	1	30	380	0	31	72	none	8	35	none
WS2218	7579200600	4846 41st Avenue Southwest	2	2	30	366	0	32	72	none	8	35	none
WS2220	7579200590	4840 41st Avenue Southwest	2	2	30	366	0	32	72	none	8	35	none
WS2192	7579200905	4847 41st Avenue Southwest	2	1	30	257	0	35	72	none	13	35	none
WS2190	7579200895	4853 41st Avenue Southwest	2	1	30	257	0	35	72	none	13	35	none
WS2188	7579200885	4857 41st Avenue Southwest	2	1	30	259	0	35	72	none	13	35	none
WS2194	7579200915	4843 41st Avenue Southwest	2	4	30	252	0	35	72	none	13	35	none
WS2196	7579200925	4837 41st Avenue Southwest	2	2	30	255	0	35	72	none	13	35	none
WS2204	7579200965	4815 41st Avenue Southwest	2	2	30	259	0	35	72	none	13	35	none
WS2210	7579200999	4803 41st Avenue Southwest	2	4	30	270	0	34	72	none	12	35	none
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	30	218	5	42	72	none	21	35	none
WS2222	7579200580	4836 41st Avenue Southwest	2	2	30	404	0	31	72	none	7	35	none
WS2224	7579200570	4832 41st Avenue Southwest	2	2	30	406	0	31	72	none	7	35	none
WS2208	7579200985	4807 41st Avenue Southwest	2	1	30	255	0	35	72	none	13	35	none
WS2206	7579200975	4811 41st Avenue Southwest	2	1	30	249	0	35	72	none	14	35	none
WS2202	7579200955	4823 41st Avenue Southwest	2	1	30	259	0	35	72	none	13	35	none
WS2200	7579200945	4827 41st Avenue Southwest	2	1	30	260	0	35	72	none	13	35	none
WS2226	7579200560	4830 41st Avenue Southwest	2	1	30	401	0	31	72	none	7	35	none
WS2228	7579200550	4822 41st Avenue Southwest	2	1	30	373	0	32	72	none	8	35	none
WS2230	7579200540	4816 41st Avenue Southwest	2	1	30	445	0	30	72	none	6	35	none
WS2232	7579200530	4812 41st Avenue Southwest	2	1	30	369	0	32	72	none	8	35	none
WS2234	7579200491	4023 Southwest Edmunds Street	2	1	30	370	0	32	72	none	8	35	none
WS6115	7579200490	4017 Southwest Edmunds Street	2	1	30	413	0	31	72	none	7	35	none
WS81900	2492700000	4800 Fauntleroy Way Southwest	2	24	30	1033	0	23	72	none	-3	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	16	30	927	0	24	72	none	-2	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	928	0	24	72	none	-2	35	none
WS7126	6126600380	4754 Fauntleroy Way Southwest	2	60	30	1018	0	23	72	none	-3	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	928	0	24	72	none	-2	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	689	0	27	72	none	1	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5020	6126600300	4727 38th Avenue Southwest	2	1	30	1215	0	22	72	none	-4	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	30	1212	0	22	72	none	-4	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	30	1182	0	22	72	none	-4	35	none
WS5023	0952007660	4530 38th Avenue Southwest	2	120	30	883	0	24	72	none	-1	35	none
WS1040	0952007600	4520 Fauntleroy Way Southwest	2	1	30	773	0	26	72	none	0	35	none
WS5062	0952007845	4515 36th Avenue Southwest	3	1	30	604	1	28	78	none	3	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	193	0	39	72	none	17	35	none
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	206	0	45	72	none	21	35	none
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	205	0	45	72	none	21	35	none
WS5147	9297302040	3281 Southwest Avalon Way	2	1	55	204	0	45	72	none	21	35	none
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	55	245	0	42	72	none	18	35	none
WS81400	0321050000	3271 Southwest Avalon Way	2	24	55	199	0	45	72	none	21	35	none
WS81400	0321050000	3271 Southwest Avalon Way	2	80	55	190	0	46	72	none	22	35	none
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	195	0	46	72	none	21	35	none
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	129	0	53	72	none	28	35	none
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	71	0	63	72	none	38	35	3
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	64	0	65	72	none	40	35	5
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	74	0	63	72	none	37	35	2
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	74	0	63	72	none	37	35	2
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	77	0	62	72	none	36	35	1
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	79	0	62	72	none	36	35	1
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	81	0	61	72	none	36	35	<1
WS60800	0321000000	3256 Southwest Avalon Way	2	32	55	83	0	61	72	none	35	35	<1
WS81600	0321500000	3112 Southwest Avalon Way	2	16	55	193	0	46	72	none	22	35	none
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	138	0	52	72	none	27	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	195	0	46	72	none	21	35	none
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	196	0	46	72	none	21	35	none
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	266	0	41	72	none	17	35	none
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	303	0	40	72	none	16	35	none
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	339	0	39	72	none	15	35	none
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	374	0	38	72	none	14	35	none
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	407	0	37	72	none	13	35	none
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	444	0	36	72	none	12	35	none
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	477	0	36	72	none	11	35	none
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	30	517	0	29	72	none	4	35	none
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	30	542	0	28	72	none	4	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	241	0	42	72	none	19	35	none
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	228	0	43	72	none	19	35	none
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	349	0	38	72	none	14	35	none
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	454	0	36	72	none	12	35	none
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	238	0	42	72	none	19	35	none
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	236	0	43	72	none	19	35	none
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	235	0	43	72	none	19	35	none
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	249	0	42	72	none	18	35	none
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	300	0	40	72	none	16	35	none
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	387	0	38	72	none	13	35	none
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	425	0	37	72	none	12	35	none
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	499	0	35	72	none	11	35	none
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	113	0	55	72	none	30	35	none
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	126	0	54	72	none	28	35	none
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	132	0	53	72	none	27	35	none
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	133	0	52	72	none	27	35	none
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	134	0	52	72	none	27	35	none
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	128	0	53	72	none	28	35	none
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	126	0	53	72	none	28	35	none
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	129	0	53	72	none	28	35	none
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	128	0	53	72	none	28	35	none
WS7027	0952004035	4146 36th Avenue Southwest	2	1	30	225	0	36	72	none	15	35	none
WS3006	0952003915	3600 Southwest Genesee Street	2	8	30	148	0	44	72	none	22	35	none
WS7000	0952003805	4158 37th Avenue Southwest	2	1	30	151	1	44	72	none	22	35	none
WS7002	0952003795	4150 37th Avenue Southwest	2	1	30	193	1	40	72	none	18	35	none
WS6697	0952003685	4155 37th Avenue Southwest	2	1	30	164	1	43	72	none	21	35	none
WS6700	0952003676	4151 37th Avenue Southwest	2	1	30	202	1	39	72	none	17	35	none
WS6687	0952003565	4156 38th Avenue Southwest	2	1	30	176	0	41	72	none	19	35	none
WS6690	0952003555	4152 38th Avenue Southwest	2	1	30	214	0	37	72	none	16	35	none
WS6676	0952003445	4157 38th Avenue Southwest	2	1	30	181	0	40	72	none	18	35	none
WS6677	0952003435	4155 38th Avenue Southwest	2	1	30	209	0	38	72	none	16	35	none
WS6665	0952003295	4156 39th Avenue Southwest	2	1	40	199	0	45	72	none	18	35	none
WS6680	0952003425	4149 38th Avenue Southwest	2	1	30	239	0	35	72	none	14	35	none
WS6666	0952003285	4150 39th Avenue Southwest	2	2	40	229	0	42	72	none	16	35	none
WS2400	0952004705	4403 37th Avenue Southwest	2	1	30	121	1	48	72	none	26	35	none
WS2398	0952004715	4407 37th Avenue Southwest	2	1	30	121	1	48	72	none	26	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6590	0952004725	4413 37th Avenue Southwest	2	1	30	129	1	47	72	none	25	35	none
WS6587	0952004735	4417 37th Avenue Southwest	2	1	30	150	1	44	72	none	22	35	none
WS6586	0952004745	4421 37th Avenue Southwest	2	1	30	186	1	40	72	none	19	35	none
WS6585	0952004755	4427 37th Avenue Southwest	2	1	30	227	1	37	72	none	16	35	none
WS5145	0952004765	4431 37th Avenue Southwest	2	16	30	322	1	33	72	none	11	35	none
WS2396	0952004820	4402 38th Avenue Southwest	2	1	30	130	0	46	72	none	24	35	none
WS2394	0952004830	4406 38th Avenue Southwest	2	1	30	130	0	46	72	none	24	35	none
WS2392	0952004840	4412 38th Avenue Southwest	2	1	30	137	0	45	72	none	23	35	none
WS6584	0952004850	4416 38th Avenue Southwest	2	1	30	154	0	43	72	none	21	35	none
WS6583	0952004860	4420 38th Avenue Southwest	2	1	30	184	0	40	72	none	18	35	none
WS6582	0952004865	4422 38th Avenue Southwest	2	1	30	203	0	38	72	none	17	35	none
WS6581	0952004875	4426 38th Avenue Southwest	2	1	30	246	0	35	72	none	14	35	none
WS6580	0952004885	4432 38th Avenue Southwest	2	1	30	293	0	34	72	none	11	35	none
WS5144	0952004895	4436 38th Avenue Southwest	2	1	30	336	0	32	72	none	9	35	none
WS5142	0952004915	4446 38th Avenue Southwest	2	1	30	409	0	31	72	none	7	35	none
WS5143	0952004905	4442 38th Avenue Southwest	2	2	30	371	0	32	72	none	8	35	none
WS5137	0952004935	4450 38th Avenue Southwest	2	2	30	521	0	29	72	none	4	35	none
WS5140	0952004930	3718 Southwest Oregon Street	2	2	30	508	0	29	72	none	4	35	none
WS5141	0952004925	3714 Southwest Oregon Street	2	3	30	507	0	29	72	none	4	35	none
WS6570	0952005095	4457 38th Avenue Southwest	2	1	30	504	0	29	72	none	5	35	none
WS6571	0952005085	4453 38th Avenue Southwest	2	1	30	459	0	30	72	none	6	35	none
WS6572	0952005075	4451 38th Avenue Southwest	2	1	30	423	0	31	72	none	7	35	none
WS6573	0952005065	4441 38th Avenue Southwest	2	1	30	377	0	31	72	none	8	35	none
WS6574	0952005055	4437 38th Avenue Southwest	2	1	30	327	0	33	72	none	10	35	none
WS6575	0952005045	4433 38th Avenue Southwest	2	1	30	263	0	34	72	none	13	35	none
WS6576	0952005035	4427 38th Avenue Southwest	2	1	30	226	0	36	72	none	15	35	none
WS6577	0952005025	4423 38th Avenue Southwest	2	1	30	184	0	40	72	none	18	35	none
WS2384	0952005015	4417 38th Avenue Southwest	2	1	30	160	0	42	72	none	20	35	none
WS2386	0952005000	4411 38th Avenue Southwest	2	1	30	137	0	45	72	none	23	35	none
WS2388	0952004995	4407 38th Avenue Southwest	2	1	30	132	0	46	72	none	24	35	none
WS2390	0952004985	4403 38th Avenue Southwest	2	1	30	133	0	45	72	none	24	35	none
WS2382	0952005105	4402 39th Avenue Southwest	2	1	40	136	0	51	72	none	24	35	none
WS2380	0952005115	4406 39th Avenue Southwest	2	1	40	133	0	52	72	none	25	35	none
WS6567	0952005145	4420 39th Avenue Southwest	2	1	40	187	0	46	72	none	19	35	none
WS6566	0952005155	4424 39th Avenue Southwest	2	1	40	208	0	44	72	none	17	35	none
WS6565	0952005160	4428 39th Avenue Southwest	2	1	40	227	0	43	72	none	16	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6564	0952005165	4434 39th Avenue Southwest	2	1	40	261	0	40	72	none	14	35	none
WS6563	0952005185	4436 39th Avenue Southwest	2	1	40	300	0	38	72	none	12	35	none
WS6562	0952005195	4440 39th Avenue Southwest	2	1	40	343	0	35	72	none	11	35	none
WS6561	0952005200	4442 39th Avenue Southwest	2	1	40	366	0	34	72	none	10	35	none
WS6560	0952005205	4446 39th Avenue Southwest	2	1	40	400	0	33	72	none	9	35	none
WS6557	0952005215	4448 39th Avenue Southwest	2	1	40	432	0	32	72	none	8	35	none
WS6555	0952005224	4452 39th Avenue Southwest	2	1	40	477	0	31	72	none	7	35	none
WS6554	0952005249	4456 39th Avenue Southwest	2	1	40	514	0	30	72	none	6	35	none
WS2378	0952005125	4414 39th Avenue Southwest	2	2	40	135	0	52	72	none	24	35	none
WS2376	0952005135	4416 39th Avenue Southwest	2	2	40	151	0	50	72	none	22	35	none
WS2374	0952005270	4403 39th Avenue Southwest	2	1	40	140	3	54	72	none	27	35	none
WS2372	0952005280	4409 39th Avenue Southwest	2	2	40	133	3	55	72	none	28	35	none
WS6553	0952005290	4413 39th Avenue Southwest	2	1	40	136	3	55	72	none	27	35	none
WS2370	0952005300	4417 39th Avenue Southwest	2	1	40	149	3	53	72	none	26	35	none
WS2368	0952005305	4421 39th Avenue Southwest	2	1	40	172	3	50	72	none	23	35	none
WS2366	0952005320	4427 39th Avenue Southwest	2	1	40	204	3	48	72	none	21	35	none
WS6552	0952005330	4433 39th Avenue Southwest	2	1	40	268	3	43	72	none	17	35	none
WS6551	0952005340	4437 39th Avenue Southwest	2	1	40	294	3	41	72	none	16	35	none
WS6547	0952005359	4447 39th Avenue Southwest	2	1	40	388	3	36	72	none	12	35	none
WS6546	0952005370	4451 39th Avenue Southwest	2	1	40	445	3	35	72	none	10	35	none
WS6545	0952005380	4457 39th Avenue Southwest	2	1	40	496	3	34	72	none	9	35	none
WS6550	0952005349	4441 39th Avenue Southwest	2	2	40	328	3	39	72	none	14	35	none
WS6655	0952003175	4157 39th Avenue Southwest	2	1	40	201	3	48	72	none	21	35	none
WS6656	0952003165	4153 39th Avenue Southwest	2	1	40	235	3	45	72	none	19	35	none
WS6645	0952003055	4156 40th Avenue Southwest	2	1	40	212	3	47	72	none	20	35	none
WS6646	0952003045	4150 40th Avenue Southwest	2	1	40	253	3	44	72	none	18	35	none
WS6635	0952002935	4010 Southwest Genesee Street	2	1	40	246	3	44	72	none	18	35	none
WS2364	0952005390	4402 40th Avenue Southwest	2	1	40	143	3	54	72	none	26	35	none
WS2362	0952005400	4414 40th Avenue Southwest	2	1	40	130	3	55	72	none	28	35	none
WS6544	0952005415	4416 40th Avenue Southwest	2	1	40	128	3	56	72	none	28	35	none
WS6543	0952005425	4418 40th Avenue Southwest	2	1	40	149	3	53	72	none	26	35	none
WS2360	0952005435	4422 40th Avenue Southwest	2	1	40	163	3	51	72	none	24	35	none
WS2356	0952005445	4426 40th Avenue Southwest	2	1	40	180	3	50	72	none	23	35	none
WS2354	0952005460	4432 40th Avenue Southwest	2	1	40	245	3	44	72	none	18	35	none
WS6542	0952005470	4438 40th Avenue Southwest	2	1	40	276	3	42	72	none	16	35	none
WS6541	0952005480	4442 40th Avenue Southwest	2	1	40	315	3	40	72	none	15	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6540	0952005490	4446 40th Avenue Southwest	2	1	40	340	3	39	72	none	14	35	none
WS6537	0952005500	4452 40th Avenue Southwest	2	1	40	374	3	37	72	none	12	35	none
WS6536	0952005510	4456 40th Avenue Southwest	2	1	40	413	3	36	72	none	11	35	none
WS2330	0952005630	4457 40th Avenue Southwest	2	1	40	330	3	39	72	none	14	35	none
WS2332	0952005620	4453 40th Avenue Southwest	2	1	40	323	3	39	72	none	14	35	none
WS2334	0952005610	4449 40th Avenue Southwest	2	1	40	259	3	43	72	none	17	35	none
WS2336	0952005600	4441 40th Avenue Southwest	2	1	40	236	3	45	72	none	19	35	none
WS2338	0952005590	4437 40th Avenue Southwest	2	1	40	213	3	47	72	none	20	35	none
WS6532	0952005580	4433 40th Avenue Southwest	2	1	40	182	3	49	72	none	23	35	none
WS6533	0952005570	4429 40th Avenue Southwest	2	1	40	149	3	53	72	none	26	35	none
WS2340	0952005560	4421 40th Avenue Southwest	2	1	40	133	3	55	72	none	28	35	none
WS2342	0952005550	4415 40th Avenue Southwest	2	1	40	126	3	56	72	none	29	35	none
WS2344	0952005545	4413 40th Avenue Southwest	2	1	40	125	3	56	72	none	29	35	none
WS2346	0952005540	4411 40th Avenue Southwest	2	1	40	126	3	56	72	none	29	35	none
WS2348	0952005535	4409 40th Avenue Southwest	2	1	40	131	3	55	72	none	28	35	none
WS6534	0952005530	4407 40th Avenue Southwest	2	1	40	138	3	54	72	none	27	35	none
WS2350	0952005525	4405 40th Avenue Southwest	2	1	40	149	3	53	72	none	26	35	none
WS2352	0952005520	4403 40th Avenue Southwest	2	1	40	162	3	51	72	none	24	35	none
WS6535	0952005515	4401 40th Avenue Southwest	2	1	40	179	3	50	72	none	23	35	none
WS2326	0952005680	4424 41st Avenue Southwest	2	1	40	122	3	56	72	none	29	35	none
WS2324	0952005690	4426 41st Avenue Southwest	2	1	40	120	3	57	72	none	29	35	none
WS2322	0952005695	4430 41st Avenue Southwest	2	1	40	120	3	57	72	none	29	35	none
WS6531	0952005670	4434 41st Avenue Southwest	2	1	40	119	3	57	72	none	30	35	none
WS6530	0952005719	4436 41st Avenue Southwest	2	1	40	125	3	56	72	none	29	35	none
WS6527	0952005737	4440 41st Avenue Southwest	2	1	40	140	3	54	72	none	27	35	none
WS6526	0952005741	4446 41st Avenue Southwest	2	1	40	183	3	49	72	none	22	35	none
WS2320	0952005750	4452 41st Avenue Southwest	2	1	40	220	3	46	72	none	20	35	none
WS2318	0952005760	4456 41st Avenue Southwest	2	1	40	250	3	44	72	none	18	35	none
WS6524	0952005826	4431 B 41st Avenue Southwest	2	4	40	125	3	56	72	none	29	35	none
WS6522	0952005827	4429 B 41st Avenue Southwest	2	4	40	144	3	53	72	none	26	35	none
WS2314	0952005840	4437A 41st Avenue Southwest	2	2	40	116	3	57	72	none	30	35	none
WS2312	0952005841	4437B 41st Avenue Southwest	2	2	40	115	3	58	72	none	30	35	none
WS2310	0952005842	4437C 41st Avenue Southwest	2	2	40	114	3	58	72	none	30	35	none
WS2308	0952005843	4437D 41st Avenue Southwest	2	2	40	115	3	57	72	none	30	35	none
WS6517	0952005832	4441B 41st Avenue Southwest	2	2	40	118	3	57	72	none	30	35	none
WS6520	0952005831	4441A 41st Avenue Southwest	2	2	40	121	3	57	72	none	29	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6521	0952005830	4439 41st Avenue Southwest	2	2	40	130	3	55	72	none	28	35	none
WS6516	0952005860	4449 B 41st Avenue Southwest	2	3	40	119	3	57	72	none	30	35	none
WS6515	0952005861	4449 A 41st Avenue Southwest	2	3	40	112	3	58	72	none	31	35	none
WS2302	0952005862	4447 B 41st Avenue Southwest	2	3	40	112	3	58	72	none	31	35	none
WS2304	0952005863	4447 A 41st Avenue Southwest	2	3	40	112	3	58	72	none	31	35	none
WS2306	0952005850	4443 41st Avenue Southwest	2	1	40	115	3	57	72	none	30	35	none
WS6367	0952006630	4501 41st Avenue Southwest	2	3	40	161	3	52	72	none	24	35	none
WS6366	0952006631	4503 41st Avenue Southwest	2	3	40	165	3	51	72	none	24	35	none
WS6362	0952006632	4505 41st Avenue Southwest	2	3	40	170	3	51	72	none	24	35	none
WS6360	0952006633	4507 41st Avenue Southwest	2	3	40	172	3	50	72	none	23	35	none
WS6364	0952006635	4113 Southwest Oregon Street	2	6	40	123	3	56	72	none	29	35	none
WS6354	0952006638	4109 Southwest Oregon Street	2	6	40	132	3	55	72	none	28	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	40	846	3	28	72	none	4	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	687	0	27	72	none	1	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	40	40	688	3	30	72	none	6	35	none
WS5102	0952007165	4538 40th Avenue Southwest	2	1	40	696	3	30	72	none	6	35	none
WS5106	0952007152	4536B 40th Avenue Southwest	2	6	40	755	3	29	72	none	5	35	none
WS5104	0952007150	4534B 40th Avenue Southwest	2	6	40	699	3	30	72	none	5	35	none
WS5110	0952007141	4530 B 40th Avenue Southwest	2	6	40	747	3	30	72	none	5	35	none
WS5107	0952007137	4530 D 40th Avenue Southwest	2	6	40	698	3	30	72	none	5	35	none
WS5113	0952007125	4526 40th Avenue Southwest	2	1	40	679	3	31	72	none	6	35	none
WS5114	0952007120	4522 40th Avenue Southwest	2	1	40	653	3	31	72	none	6	35	none
WS5115	0952007105	4518 40th Avenue Southwest	2	3	40	611	3	32	72	none	7	35	none
WS5116	0952007090	4514 40th Avenue Southwest	2	1	40	587	3	32	72	none	7	35	none
WS5122	0952007080	4508 40th Avenue Southwest	2	1	40	560	3	32	72	none	8	35	none
WS5125	0952007065	4506 40th Avenue Southwest	2	1	40	536	3	33	72	none	8	35	none
WS5130	0952007055	3955 Southwest Oregon Street	2	6	40	519	3	33	72	none	9	35	none
WS5132	0952007057	3951 Southwest Oregon Street	2	6	40	547	3	33	72	none	8	35	none
WS5127	0952007069	4506 A 40th Avenue Southwest	2	4	40	554	3	33	72	none	8	35	none
WS5124	0952007082	4510 A 40th Avenue Southwest	2	4	40	585	3	32	72	none	7	35	none
WS5117	0952007091	4512A 40th Avenue Southwest	2	6	40	622	3	31	72	none	7	35	none
WS6396	0952006905	4503 40th Avenue Southwest	2	1	40	428	3	35	72	none	11	35	none
WS6395	0952006915	4507 40th Avenue Southwest	2	1	40	468	3	34	72	none	10	35	none
WS6394	0952006925	4511 40th Avenue Southwest	2	1	40	489	3	34	72	none	9	35	none
WS3004	0952006906	4505 A 40th Avenue Southwest	2	4	40	366	3	37	72	none	13	35	none
WS6385	0952006916	4505 C 40th Avenue Southwest	2	4	40	391	3	36	72	none	12	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6382	0952006929	4513 B 40th Avenue Southwest	2	6	40	452	3	35	72	none	10	35	none
WS6381	0952006935	4517 40th Avenue Southwest	2	4	40	469	3	34	72	none	10	35	none
WS6380	0952006939	4521 A 40th Avenue Southwest	2	6	40	461	3	34	72	none	10	35	none
WS6393	0952006941	4523 A 40th Avenue Southwest	2	6	40	507	3	33	72	none	9	35	none
WS6376	0952006953	4529 A 40th Avenue Southwest	2	4	40	474	3	34	72	none	10	35	none
WS6391	0952006957	4527 A 40th Avenue Southwest	2	4	40	524	3	33	72	none	9	35	none
WS6374	0952006961	4533 A 40th Avenue Southwest	2	4	40	485	3	34	72	none	9	35	none
WS6370	0952006979	4539 B 40th Avenue Southwest	2	4	40	516	3	33	72	none	9	35	none
WS6387	0952006965	4531 40th Avenue Southwest	2	2	40	539	3	33	72	none	8	35	none
WS6386	0952006975	4537 40th Avenue Southwest	2	2	40	560	3	32	72	none	8	35	none
WS5096	0952006989	4543 B 40th Avenue Southwest	2	3	40	514	3	33	72	none	9	35	none
WS5101	0952006985	4541 40th Avenue Southwest	2	2	40	565	3	32	72	none	8	35	none
WS5094	0952006999	4547 B 40th Avenue Southwest	2	3	30	515	0	29	72	none	4	35	none
WS5100	0952006995	4545 40th Avenue Southwest	2	2	30	560	0	28	72	none	3	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	259	0	35	72	none	13	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	87	0	53	72	none	32	35	none
WS2254	0952006855	4536 41st Avenue Southwest	2	1	40	373	3	37	72	none	12	35	none
WS2262	0952006845	4532 41st Avenue Southwest	2	1	40	381	3	37	72	none	12	35	none
WS2280	0952006815	4520A 41st Avenue Southwest	2	5	40	346	3	38	72	none	13	35	none
WS2282	0952006805	4514 41st Avenue Southwest	2	1	40	329	3	39	72	none	14	35	none
WS2284	0952006795	4512 41st Avenue Southwest	2	1	40	321	3	40	72	none	14	35	none
WS2286	0952006789	4504 41st Avenue Southwest	2	3	40	310	3	40	72	none	15	35	none
WS2290	0952006775	4019 Southwest Oregon Street	2	2	40	303	3	41	72	none	15	35	none
WS2272	0952006838	4528 B 41st Avenue Southwest	2	8	40	422	3	35	72	none	11	35	none
WS2264	0952006836	4526 B 41st Avenue Southwest	2	8	40	351	3	38	72	none	13	35	none
WS2268	0952006823	4522 B 41st Avenue Southwest	2	4	40	342	3	38	72	none	14	35	none
WS2276	0952006825	4524 B 41st Avenue Southwest	2	4	40	417	3	35	72	none	11	35	none
WS5091	0952006871	4544 C 41st Avenue Southwest	2	6	30	424	0	31	72	none	7	35	none
WS2252	0952006865	4542 41st Avenue Southwest	2	6	30	371	0	32	72	none	8	35	none
WS2256	0952006861	4538 C 41st Avenue Southwest	2	6	40	411	3	36	72	none	11	35	none
WS2246	0952006700	4525 41st Avenue Southwest	2	48	40	249	3	44	72	none	18	35	none
WS2186	0952006510	4502 42nd Avenue Southwest	2	96	40	99	3	60	72	none	33	35	none
WS2176	0952006560	4526 42nd Avenue Southwest	2	1	40	96	3	61	72	none	33	35	none
WS2174	0952006565	4532 42nd Avenue Southwest	2	32	40	92	3	61	72	none	34	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	40	207	3	47	72	none	21	35	none
WS5086	0952006718	4533 C 41st Avenue Southwest	2	3	40	199	3	48	72	none	21	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5083	0952006728	4535 C 41st Avenue Southwest	2	3	40	202	3	48	72	none	21	35	none
WS2242	0952006715	4531 41st Avenue Southwest	2	2	40	237	3	45	72	none	18	35	none
WS2240	0952006725	4537 41st Avenue Southwest	2	2	40	239	3	45	72	none	18	35	none
WS60300	2607870000	4752 41st Avenue Southwest	2	36	30	366	0	32	72	none	8	35	none
WS2238	7579200295	4744 41st Avenue Southwest	2	48	30	367	0	32	72	none	8	35	none
WS2238	7579200295	4744 41st Avenue Southwest	2	48	30	362	0	32	72	none	8	35	none
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	30	86	10	63	72	none	42	35	7
WS2162	0952006465	4545 42nd Avenue Southwest	2	64	30	96	0	51	72	none	30	35	none
WS6351	0952006385	4505 42nd Avenue Southwest	2	36	40	141	3	54	72	none	27	35	none
WS1030	0952007545	4550 Fauntleroy Way Southwest	3	1	30	1077	0	23	78	none	-3	40	none
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	1287	0	21	72	none	-5	35	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-20. Summary of Vibration Analysis – Short Tunnel 41st Avenue Station Alternative (WSJ-4)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	45	519	1	34	72	none	9	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	45	501	1	34	72	none	9	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	45	439	1	35	72	none	11	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	45	434	1	36	72	none	11	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	45	433	1	36	72	none	11	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	45	426	0	34	72	none	10	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	45	427	0	34	72	none	10	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	45	426	0	34	72	none	10	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	45	444	0	34	72	none	9	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	45	439	0	34	72	none	9	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	45	432	0	34	72	none	10	35	none
WS2128	7579201215	4811 42nd Avenue Southwest	2	1	45	423	0	35	72	none	10	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	45	501	0	33	72	none	8	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	45	539	0	32	72	none	7	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	45	536	0	32	72	none	7	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	45	535	0	32	72	none	7	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	45	537	0	32	72	none	7	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	45	509	0	33	72	none	8	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	30	374	0	32	72	none	8	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	30	303	0	33	72	none	11	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	12	30	237	0	35	72	none	14	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	8	45	216	5	48	72	none	23	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	30	95	10	61	72	none	40	35	5
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	45	385	1	37	72	none	12	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	45	260	1	41	72	none	17	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	45	164	1	49	72	none	23	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	45	111	1	56	72	none	30	35	none
WS6200	1297300100	5022 41st Avenue Southwest	2	2	45	96	1	59	72	none	32	35	none
WS6197	1297300095	5028 41st Avenue Southwest	2	1	45	107	1	57	72	none	30	35	none
WS6203	1297300115	5006 41st Avenue Southwest	2	1	45	97	1	59	72	none	32	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	45	157	1	50	72	none	24	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	45	98	0	57	72	none	31	35	none
WS6202	1297300110	5012 41st Avenue Southwest	2	1	45	97	0	57	72	none	31	35	none
WS6260	6126601010	4800 40th Avenue Southwest	3	1	45	461	0	34	78	none	9	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	30	462	0	30	78	none	6	40	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	30	452	3	33	78	none	9	40	none
WS2296	0952005960	4456 42nd Avenue Southwest	3	1	30	561	3	31	78	none	6	40	none
WS2298	0952005890	4400 42nd Avenue Southwest	3	1	30	850	3	28	78	none	2	40	none
WS6623	0952002655	4100 Southwest Genesee Street	3	1	30	914	3	27	78	none	1	40	none
WS5135	0952007350	4500 39th Avenue Southwest	3	1	45	128	3	55	78	none	29	40	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	30	141	0	45	78	none	23	40	none
WS2214	7579200620	4856 41st Avenue Southwest	2	1	45	97	1	59	72	none	32	35	none
WS2218	7579200600	4846 41st Avenue Southwest	2	2	45	90	6	65	72	none	39	35	4
WS2220	7579200590	4840 41st Avenue Southwest	2	2	45	88	10	69	72	none	43	35	8
WS2222	7579200580	4836 41st Avenue Southwest	2	2	45	106	10	66	72	none	39	35	4
WS2224	7579200570	4832 41st Avenue Southwest	2	2	45	105	10	66	72	none	40	35	5
WS2226	7579200560	4830 41st Avenue Southwest	2	1	45	102	10	66	72	none	40	35	5
WS2228	7579200550	4822 41st Avenue Southwest	2	1	45	85	10	69	72	none	43	35	8
WS2230	7579200540	4816 41st Avenue Southwest	2	1	45	132	5	57	72	none	31	35	none
WS2232	7579200530	4812 41st Avenue Southwest	2	1	45	82	10	70	72	none	44	35	9
WS2234	7579200491	4023 Southwest Edmunds Street	2	1	45	77	10	71	72	none	45	35	10
WS6115	7579200490	4017 Southwest Edmunds Street	2	1	45	102	10	66	72	none	40	35	5
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	45	281	0	39	72	none	15	35	none
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	45	281	0	39	72	none	15	35	none
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	45	225	0	43	72	none	18	35	none
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	45	282	0	39	72	none	15	35	none
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	45	263	0	40	72	none	15	35	none
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	45	264	0	40	72	none	15	35	none
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	45	255	0	40	72	none	16	35	none
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	45	269	0	39	72	none	15	35	none
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	45	250	1	42	72	none	17	35	none
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	45	258	1	41	72	none	17	35	none
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	45	257	0	40	72	none	16	35	none
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	45	262	0	40	72	none	16	35	none
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	45	255	0	40	72	none	16	35	none
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	45	255	0	40	72	none	16	35	none
WS81900	2492700000	4800 Fauntleroy Way Southwest	2	24	45	704	0	29	72	none	4	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	16	45	598	0	31	72	none	6	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	45	599	0	31	72	none	6	35	none
WS7126	6126600380	4754 Fauntleroy Way Southwest	2	60	45	689	0	30	72	none	5	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	30	599	0	28	72	none	3	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS50000	9379700000	4755 Fautleroy Way Southwest	2	120	30	360	0	32	72	none	9	35	none
WS5020	6126600300	4727 38th Avenue Southwest	2	1	30	886	0	24	72	none	-1	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	30	883	0	24	72	none	-1	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	30	853	0	25	72	none	-1	35	none
WS5023	0952007660	4530 38th Avenue Southwest	2	120	45	422	3	37	72	none	12	35	none
WS1040	0952007600	4520 Fautleroy Way Southwest	2	1	45	347	3	39	72	none	15	35	none
WS5062	0952007845	4515 36th Avenue Southwest	3	1	45	326	3	40	78	none	15	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	283	0	34	72	none	not applicable	not applicable	not applicable
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	297	0	33	72	none	not applicable	not applicable	not applicable
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	295	0	33	72	none	not applicable	not applicable	not applicable
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	294	0	34	72	none	not applicable	not applicable	not applicable
WS5152	9297302031	3273 B Southwest Avalon Way	2	4	30	338	0	32	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	24	30	289	0	34	72	none	not applicable	not applicable	not applicable
WS81400	0321050000	3271 Southwest Avalon Way	2	80	30	279	0	34	72	none	not applicable	not applicable	not applicable
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	284	0	34	72	none	not applicable	not applicable	not applicable
WS81500	4458770000	3221 Southwest Avalon Way	2	64	35	249	3	40	72	none	not applicable	not applicable	not applicable
WS5167	9297301930	3211 Southwest Avalon Way	2	16	35	248	3	40	72	none	not applicable	not applicable	not applicable
WS60900	7809670000	3210 Southwest Avalon Way	2	20	35	75	3	61	72	none	not applicable	not applicable	not applicable
WS2422	9297301885	3230 Southwest Avalon Way	2	40	35	109	3	54	72	none	30	35	none
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	116	0	48	72	none	not applicable	not applicable	not applicable
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	107	0	49	72	none	not applicable	not applicable	not applicable
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	101	0	50	72	none	not applicable	not applicable	not applicable
WS60800	0321000000	3256 Southwest Avalon Way	2	32	30	99	0	51	72	none	not applicable	not applicable	not applicable
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	105	0	50	72	none	not applicable	not applicable	not applicable
WS81600	0321500000	3112 Southwest Avalon Way	2	16	35	148	3	48	72	none	24	35	none
WS61100	9306000000	3120 Southwest Avalon Way	2	20	35	84	0	56	72	none	32	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	35	77	3	60	72	none	not applicable	not applicable	not applicable
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	35	77	3	60	72	none	not applicable	not applicable	not applicable
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	35	151	3	48	72	none	not applicable	not applicable	not applicable
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	35	191	3	44	72	none	not applicable	not applicable	not applicable
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	35	227	3	41	72	none	not applicable	not applicable	not applicable
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	35	266	3	39	72	none	not applicable	not applicable	not applicable
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	35	301	3	37	72	none	not applicable	not applicable	not applicable
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	35	341	3	35	72	none	not applicable	not applicable	not applicable
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	35	376	3	34	72	none	not applicable	not applicable	not applicable
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	35	414	3	34	72	none	not applicable	not applicable	not applicable

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	35	448	3	33	72	none	not applicable	not applicable	not applicable
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	35	343	3	35	72	none	not applicable	not applicable	not applicable
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	314	0	33	72	none	not applicable	not applicable	not applicable
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	35	389	3	34	72	none	not applicable	not applicable	not applicable
WS7027	0952004035	4146 36th Avenue Southwest	2	1	30	127	3	49	72	none	not applicable	not applicable	not applicable
WS3006	0952003915	3600 Southwest Genesee Street	2	8	30	140	3	48	72	none	not applicable	not applicable	not applicable
WS7000	0952003805	4158 37th Avenue Southwest	2	1	30	205	3	41	72	none	not applicable	not applicable	not applicable
WS7002	0952003795	4150 37th Avenue Southwest	2	1	30	270	3	37	72	none	not applicable	not applicable	not applicable
WS6697	0952003685	4155 37th Avenue Southwest	2	1	45	302	0	38	72	none	14	35	none
WS6700	0952003676	4151 37th Avenue Southwest	2	1	45	343	0	37	72	none	12	35	none
WS6687	0952003565	4156 38th Avenue Southwest	2	1	45	412	0	35	72	none	10	35	none
WS6690	0952003555	4152 38th Avenue Southwest	2	1	45	451	0	34	72	none	9	35	none
WS6676	0952003445	4157 38th Avenue Southwest	2	1	45	505	0	33	72	none	8	35	none
WS6677	0952003435	4155 38th Avenue Southwest	2	1	45	535	0	32	72	none	7	35	none
WS6665	0952003295	4156 39th Avenue Southwest	2	1	45	615	3	33	72	none	8	35	none
WS6680	0952003425	4149 38th Avenue Southwest	2	1	45	565	0	32	72	none	7	35	none
WS6666	0952003285	4150 39th Avenue Southwest	2	2	45	643	3	33	72	none	8	35	none
WS2400	0952004705	4403 37th Avenue Southwest	2	1	45	231	0	42	72	none	17	35	none
WS2398	0952004715	4407 37th Avenue Southwest	2	1	45	192	0	45	72	none	20	35	none
WS6590	0952004725	4413 37th Avenue Southwest	2	1	45	150	0	50	72	none	24	35	none
WS2396	0952004820	4402 38th Avenue Southwest	2	1	45	330	0	37	72	none	13	35	none
WS2394	0952004830	4406 38th Avenue Southwest	2	1	45	297	0	38	72	none	14	35	none
WS2392	0952004840	4412 38th Avenue Southwest	2	1	45	257	0	40	72	none	16	35	none
WS6584	0952004850	4416 38th Avenue Southwest	2	1	45	227	3	45	72	none	20	35	none
WS6583	0952004860	4420 38th Avenue Southwest	2	1	45	190	3	48	72	none	23	35	none
WS6582	0952004865	4422 38th Avenue Southwest	2	1	45	170	3	50	72	none	24	35	none
WS6575	0952005045	4433 38th Avenue Southwest	2	1	45	198	3	47	72	none	22	35	none
WS6576	0952005035	4427 38th Avenue Southwest	2	1	45	228	3	45	72	none	20	35	none
WS6577	0952005025	4423 38th Avenue Southwest	2	1	45	277	3	42	72	none	17	35	none
WS2384	0952005015	4417 38th Avenue Southwest	2	1	45	300	3	41	72	none	16	35	none
WS2386	0952005000	4411 38th Avenue Southwest	2	1	45	348	3	39	72	none	15	35	none
WS2388	0952004995	4407 38th Avenue Southwest	2	1	45	394	3	38	72	none	13	35	none
WS2390	0952004985	4403 38th Avenue Southwest	2	1	45	427	3	37	72	none	12	35	none
WS2382	0952005105	4402 39th Avenue Southwest	2	1	45	504	3	35	72	none	11	35	none
WS2380	0952005115	4406 39th Avenue Southwest	2	1	45	466	3	36	72	none	11	35	none
WS6567	0952005145	4420 39th Avenue Southwest	2	1	45	344	3	39	72	none	15	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6566	0952005155	4424 39th Avenue Southwest	2	1	45	318	3	40	72	none	16	35	none
WS6565	0952005160	4428 39th Avenue Southwest	2	1	45	296	3	41	72	none	17	35	none
WS6564	0952005165	4434 39th Avenue Southwest	2	1	45	264	3	42	72	none	18	35	none
WS6563	0952005185	4436 39th Avenue Southwest	2	1	45	226	3	45	72	none	20	35	none
WS6562	0952005195	4440 39th Avenue Southwest	2	1	45	184	3	49	72	none	23	35	none
WS6561	0952005200	4442 39th Avenue Southwest	2	1	45	161	3	51	72	none	25	35	none
WS6560	0952005205	4446 39th Avenue Southwest	2	1	45	124	3	56	72	none	29	35	none
WS6557	0952005215	4448 39th Avenue Southwest	2	1	45	94	3	60	72	none	34	35	none
WS6555	0952005224	4452 39th Avenue Southwest	2	1	45	63	3	67	72	none	41	35	6
WS6554	0952005249	4456 39th Avenue Southwest	2	1	45	55	3	70	72	none	44	35	9
WS2378	0952005125	4414 39th Avenue Southwest	2	2	45	448	3	37	72	none	12	35	none
WS2376	0952005135	4416 39th Avenue Southwest	2	2	45	403	3	38	72	none	13	35	none
WS2374	0952005270	4403 39th Avenue Southwest	2	1	45	580	3	34	72	none	9	35	none
WS2372	0952005280	4409 39th Avenue Southwest	2	2	45	539	3	35	72	none	10	35	none
WS6553	0952005290	4413 39th Avenue Southwest	2	1	45	491	3	36	72	none	11	35	none
WS2370	0952005300	4417 39th Avenue Southwest	2	1	45	454	3	36	72	none	12	35	none
WS2368	0952005305	4421 39th Avenue Southwest	2	1	45	413	3	37	72	none	13	35	none
WS2366	0952005320	4427 39th Avenue Southwest	2	1	45	370	0	36	72	none	11	35	none
WS6552	0952005330	4433 39th Avenue Southwest	2	1	45	296	0	38	72	none	14	35	none
WS6551	0952005340	4437 39th Avenue Southwest	2	1	45	266	0	40	72	none	15	35	none
WS6547	0952005359	4447 39th Avenue Southwest	2	1	45	173	0	47	72	none	21	35	none
WS6546	0952005370	4451 39th Avenue Southwest	2	1	45	116	0	54	72	none	28	35	none
WS6545	0952005380	4457 39th Avenue Southwest	2	1	45	76	0	62	72	none	35	35	<1
WS6550	0952005349	4441 39th Avenue Southwest	2	2	45	234	0	42	72	none	17	35	none
WS6655	0952003175	4157 39th Avenue Southwest	2	1	45	692	3	32	72	none	7	35	none
WS6656	0952003165	4153 39th Avenue Southwest	2	1	45	731	3	32	72	none	7	35	none
WS6645	0952003055	4156 40th Avenue Southwest	2	1	45	731	0	29	72	none	4	35	none
WS6646	0952003045	4150 40th Avenue Southwest	2	1	45	780	0	29	72	none	3	35	none
WS6635	0952002935	4010 Southwest Genesee Street	2	1	30	775	3	29	72	none	3	35	none
WS2364	0952005390	4402 40th Avenue Southwest	2	1	45	625	0	31	72	none	6	35	none
WS2362	0952005400	4414 40th Avenue Southwest	2	1	30	559	0	28	72	none	3	35	none
WS6544	0952005415	4416 40th Avenue Southwest	2	1	30	529	0	29	72	none	4	35	none
WS6543	0952005425	4418 40th Avenue Southwest	2	1	30	462	0	30	72	none	6	35	none
WS2360	0952005435	4422 40th Avenue Southwest	2	1	30	435	0	30	72	none	6	35	none
WS2356	0952005445	4426 40th Avenue Southwest	2	1	30	408	0	31	72	none	7	35	none
WS2354	0952005460	4432 40th Avenue Southwest	2	1	30	327	0	33	72	none	10	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6542	0952005470	4438 40th Avenue Southwest	2	1	30	291	0	34	72	none	11	35	none
WS6541	0952005480	4442 40th Avenue Southwest	2	1	30	246	3	38	72	none	17	35	none
WS6540	0952005490	4446 40th Avenue Southwest	2	1	30	219	3	40	72	none	18	35	none
WS6537	0952005500	4452 40th Avenue Southwest	2	1	30	181	3	43	72	none	22	35	none
WS6536	0952005510	4456 40th Avenue Southwest	2	1	30	139	3	48	72	none	26	35	none
WS2330	0952005630	4457 40th Avenue Southwest	2	1	30	197	3	42	72	none	20	35	none
WS2332	0952005620	4453 40th Avenue Southwest	2	1	30	210	3	41	72	none	19	35	none
WS2334	0952005610	4449 40th Avenue Southwest	2	1	30	282	3	37	72	none	15	35	none
WS2336	0952005600	4441 40th Avenue Southwest	2	1	30	314	3	36	72	none	13	35	none
WS2338	0952005590	4437 40th Avenue Southwest	2	1	30	345	3	35	72	none	12	35	none
WS6532	0952005580	4433 40th Avenue Southwest	2	1	30	388	3	34	72	none	11	35	none
WS6533	0952005570	4429 40th Avenue Southwest	2	1	30	439	3	33	72	none	9	35	none
WS2340	0952005560	4421 40th Avenue Southwest	2	1	30	479	3	33	72	none	8	35	none
WS2342	0952005550	4415 40th Avenue Southwest	2	1	30	535	3	32	72	none	7	35	none
WS2344	0952005545	4413 40th Avenue Southwest	2	1	30	550	3	31	72	none	7	35	none
WS2346	0952005540	4411 40th Avenue Southwest	2	1	30	572	3	31	72	none	6	35	none
WS2348	0952005535	4409 40th Avenue Southwest	2	1	30	597	3	31	72	none	6	35	none
WS6534	0952005530	4407 40th Avenue Southwest	2	1	30	618	3	30	72	none	5	35	none
WS2350	0952005525	4405 40th Avenue Southwest	2	1	30	642	3	30	72	none	5	35	none
WS2352	0952005520	4403 40th Avenue Southwest	2	1	30	664	3	30	72	none	5	35	none
WS6535	0952005515	4401 40th Avenue Southwest	2	1	30	690	3	30	72	none	4	35	none
WS2326	0952005680	4424 41st Avenue Southwest	2	1	30	562	3	31	72	none	6	35	none
WS2324	0952005690	4426 41st Avenue Southwest	2	1	30	532	3	32	72	none	7	35	none
WS2322	0952005695	4430 41st Avenue Southwest	2	1	30	512	3	32	72	none	7	35	none
WS6531	0952005670	4434 41st Avenue Southwest	2	1	30	478	3	33	72	none	8	35	none
WS6530	0952005719	4436 41st Avenue Southwest	2	1	30	453	3	33	72	none	9	35	none
WS6527	0952005737	4440 41st Avenue Southwest	2	1	30	415	3	34	72	none	10	35	none
WS6526	0952005741	4446 41st Avenue Southwest	2	1	30	344	3	35	72	none	12	35	none
WS2320	0952005750	4452 41st Avenue Southwest	2	1	30	293	3	37	72	none	14	35	none
WS2318	0952005760	4456 41st Avenue Southwest	2	1	30	256	3	38	72	none	16	35	none
WS6524	0952005826	4431 B 41st Avenue Southwest	2	4	30	560	3	31	72	none	6	35	none
WS6522	0952005827	4429 B 41st Avenue Southwest	2	4	30	600	3	31	72	none	6	35	none
WS2314	0952005840	4437A 41st Avenue Southwest	2	2	30	535	3	32	72	none	7	35	none
WS2312	0952005841	4437B 41st Avenue Southwest	2	2	30	521	3	32	72	none	7	35	none
WS2310	0952005842	4437C 41st Avenue Southwest	2	2	30	511	3	32	72	none	7	35	none
WS2308	0952005843	4437D 41st Avenue Southwest	2	2	30	498	3	32	72	none	8	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6517	0952005832	4441B 41st Avenue Southwest	2	2	30	534	3	32	72	none	7	35	none
WS6520	0952005831	4441A 41st Avenue Southwest	2	2	30	547	3	31	72	none	7	35	none
WS6521	0952005830	4439 41st Avenue Southwest	2	2	30	571	3	31	72	none	6	35	none
WS6516	0952005860	4449 B 41st Avenue Southwest	2	3	30	439	3	33	72	none	9	35	none
WS6515	0952005861	4449 A 41st Avenue Southwest	2	3	30	457	3	33	72	none	9	35	none
WS2302	0952005862	4447 B 41st Avenue Southwest	2	3	30	473	3	33	72	none	8	35	none
WS2304	0952005863	4447 A 41st Avenue Southwest	2	3	30	482	3	32	72	none	8	35	none
WS2306	0952005850	4443 41st Avenue Southwest	2	1	30	487	3	32	72	none	8	35	none
WS6367	0952006630	4501 41st Avenue Southwest	2	3	30	312	3	36	72	none	13	35	none
WS6366	0952006631	4503 41st Avenue Southwest	2	3	30	303	3	36	72	none	14	35	none
WS6362	0952006632	4505 41st Avenue Southwest	2	3	30	296	3	36	72	none	14	35	none
WS6360	0952006633	4507 41st Avenue Southwest	2	3	30	289	3	37	72	none	14	35	none
WS6364	0952006635	4113 Southwest Oregon Street	2	6	30	364	3	35	72	none	11	35	none
WS6354	0952006638	4109 Southwest Oregon Street	2	6	30	342	3	35	72	none	12	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	30	283	0	34	72	none	12	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	326	3	36	72	none	13	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	40	30	288	3	37	72	none	14	35	none
WS5102	0952007165	4538 40th Avenue Southwest	2	1	30	272	3	37	72	none	15	35	none
WS5106	0952007152	4536B 40th Avenue Southwest	2	6	30	280	3	37	72	none	15	35	none
WS5104	0952007150	4534B 40th Avenue Southwest	2	6	30	245	3	38	72	none	17	35	none
WS5110	0952007141	4530 B 40th Avenue Southwest	2	6	30	248	3	38	72	none	17	35	none
WS5107	0952007137	4530 D 40th Avenue Southwest	2	6	30	221	3	40	72	none	18	35	none
WS5113	0952007125	4526 40th Avenue Southwest	2	1	30	184	3	43	72	none	21	35	none
WS5114	0952007120	4522 40th Avenue Southwest	2	1	30	147	3	47	72	none	25	35	none
WS5115	0952007105	4518 40th Avenue Southwest	2	3	30	100	3	54	72	none	32	35	none
WS5116	0952007090	4514 40th Avenue Southwest	2	1	30	75	3	59	72	none	37	35	2
WS5122	0952007080	4508 40th Avenue Southwest	2	1	30	57	3	67	72	none	43	35	8
WS5125	0952007065	4506 40th Avenue Southwest	2	1	30	57	3	67	72	none	43	35	8
WS5130	0952007055	3955 Southwest Oregon Street	2	6	30	55	3	68	72	none	43	35	8
WS5131	0952007056	3953 Southwest Oregon Street	2	6	30	55	3	68	72	none	43	35	8
WS5132	0952007057	3951 Southwest Oregon Street	2	6	30	56	3	67	72	none	43	35	8
WS5133	0952007058	3949 Southwest Oregon Street	2	6	30	56	3	67	72	none	43	35	8
WS5126	0952007067	4506 B 40th Avenue Southwest	2	4	30	55	3	68	72	none	43	35	8
WS5127	0952007069	4506 A 40th Avenue Southwest	2	4	30	55	3	68	72	none	43	35	8
WS5123	0952007084	4510 B 40th Avenue Southwest	2	4	30	62	3	64	72	none	41	35	6
WS5124	0952007082	4510 A 40th Avenue Southwest	2	4	30	62	3	64	72	none	41	35	6

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5117	0952007091	4512A 40th Avenue Southwest	2	6	30	91	3	55	72	none	34	35	none
WS6396	0952006905	4503 40th Avenue Southwest	2	1	30	86	3	56	72	none	35	35	none
WS6395	0952006915	4507 40th Avenue Southwest	2	1	30	58	3	66	72	none	42	35	7
WS6394	0952006925	4511 40th Avenue Southwest	2	1	30	57	3	67	72	none	43	35	8
WS3004	0952006906	4505 A 40th Avenue Southwest	2	4	30	136	3	48	72	none	26	35	none
WS6385	0952006916	4505 C 40th Avenue Southwest	2	4	30	104	3	53	72	none	31	35	none
WS6382, WS6383	0952006929	4513 B 40th Avenue Southwest	2	6	30	56	3	67	72	none	43	35	8
WS6383	0952006927	4513 A 40th Avenue Southwest	2	See WS6382	30	56	3	67	72	none	43	35	8
WS6381	0952006935	4517 40th Avenue Southwest	2	4	30	56	3	67	72	none	43	35	8
WS6380	0952006939	4521 A 40th Avenue Southwest	2	6	30	56	3	67	72	none	43	35	8
WS6377	0952006943	4521 B 40th Avenue Southwest	2	See WS6380	30	56	3	67	72	none	43	35	8
WS6393	0952006941	4523 A 40th Avenue Southwest	2	6	30	61	3	64	72	none	41	35	6
WS6392	0952006945	4523 B 40th Avenue Southwest	2	See WS6393	30	61	3	64	72	none	41	35	6
WS6376	0952006953	4529 A 40th Avenue Southwest	2	4	30	59	3	65	72	none	42	35	7
WS6375	0952006955	4529 B 40th Avenue Southwest	2	See WS6376	30	59	3	65	72	none	42	35	7
WS6391	0952006957	4527 A 40th Avenue Southwest	2	4	30	84	3	57	72	none	35	35	<1
WS6390	0952006959	4527 B 40th Avenue Southwest	2	See WS6391	30	84	3	57	72	none	35	35	<1
WS6374	0952006961	4533 A 40th Avenue Southwest	2	4	30	77	3	58	72	none	37	35	2
WS6373	0952006963	4533 C 40th Avenue Southwest	2	See WS6374	30	77	3	58	72	none	37	35	2
WS6372	0952006967	4533 C 40th Avenue Southwest	2	See WS6374	30	77	3	58	72	none	37	35	2
WS6370	0952006979	4539 B 40th Avenue Southwest	2	4	30	131	3	49	72	none	27	35	none
WS6387	0952006965	4531 40th Avenue Southwest	2	2	30	114	3	51	72	none	29	35	none
WS6386	0952006975	4537 40th Avenue Southwest	2	2	30	167	3	45	72	none	23	35	none
WS5096	0952006989	4543 B 40th Avenue Southwest	2	3	30	145	3	47	72	none	25	35	none
WS5101	0952006985	4541 40th Avenue Southwest	2	2	30	188	3	43	72	none	21	35	none
WS5094	0952006999	4547 B 40th Avenue Southwest	2	3	30	157	3	46	72	none	24	35	none
WS5100	0952006995	4545 40th Avenue Southwest	2	2	30	197	3	42	72	none	20	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	79	3	58	72	none	36	35	1
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	288	3	37	72	none	15	35	none
WS2254	952006855	4536 41st Avenue Southwest	2	1	30	57	3	67	72	none	43	35	7
WS2258	952006859	4538B 41st Avenue Southwest	2	1	30	60	3	65	72	none	42	35	7
WS2260	952006857	4538A 41st Avenue Southwest	2	1	30	60	3	65	72	none	42	35	7
WS2262	0952006845	4532 41st Avenue Southwest	2	1	30	56	3	68	72	none	43	35	8
WS2280	0952006815	4520A 41st Avenue Southwest	2	5	30	94	3	55	72	none	33	35	none
WS2282	0952006805	4514 41st Avenue Southwest	2	1	30	118	3	51	72	none	29	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2284	0952006795	4512 41st Avenue Southwest	2	1	30	135	3	48	72	none	26	35	none
WS2286	0952006789	4504 41st Avenue Southwest	2	3	30	154	3	46	72	none	24	35	none
WS2290	0952006775	4019 Southwest Oregon Street	2	2	30	175	3	44	72	none	22	35	none
WS2272	0952006838	4528 B 41st Avenue Southwest	2	8	30	56	3	67	72	none	43	35	8
WS2274	0952006837	4528 A 41st Avenue Southwest	2	See WS2272	30	175	3	44	72	none	22	35	none
WS2264	0952006836	4526 B 41st Avenue Southwest	2	8	30	68	3	61	72	none	39	35	4
WS2266	0952006835	4526 A 41st Avenue Southwest	2	See WS2264	30	68	3	61	72	none	39	35	4
WS2268	0952006823	4522 B 41st Avenue Southwest	2	4	30	85	3	56	72	none	35	35	none
WS2276	0952006825	4524 B 41st Avenue Southwest	2	4	30	55	3	68	72	none	43	35	8
WS2278	0952006827	4524 A 41st Avenue Southwest	2	See WS2276	30	55	3	68	72	none	43	35	8
WS2246	0952006700	4525 41st Avenue Southwest	2	48	30	163	3	45	72	none	23	35	none
WS2186	0952006510	4502 42nd Avenue Southwest	2	96	30	413	3	34	72	none	10	35	none
WS2176	0952006560	4526 42nd Avenue Southwest	2	1	30	331	3	36	72	none	13	35	none
WS2174	0952006565	4532 42nd Avenue Southwest	2	32	30	334	3	35	72	none	13	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	30	185	3	43	72	none	21	35	none
WS5086	0952006718	4533 C 41st Avenue Southwest	2	3	30	175	3	44	72	none	22	35	none
WS5083	0952006728	4535 C 41st Avenue Southwest	2	3	30	159	3	45	72	none	24	35	none
WS2242	0952006715	4531 41st Avenue Southwest	2	2	30	140	3	48	72	none	26	35	none
WS2240	0952006725	4537 41st Avenue Southwest	2	2	30	124	3	50	72	none	28	35	none
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	30	371	0	32	72	none	8	35	none
WS2162	0952006465	4545 42nd Avenue Southwest	2	64	30	389	3	34	72	none	11	35	none
WS6351	0952006385	4505 42nd Avenue Southwest	2	36	30	528	3	32	72	none	7	35	none
WS1030	0952007545	4550 Fauntleroy Way Southwest	3	1	45	553	3	34	78	none	10	40	none
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	1024	0	23	72	none	-3	35	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level. Groundborne noise is only predicted for below-grade alternatives, consistent with FTA guidance.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-20. Summary of Vibration Analysis – Medium Tunnel 41st Avenue Station Alternative (WSJ-5a)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	25	513	0	27	72	none	2	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	25	497	0	27	72	none	3	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	25	435	0	28	72	none	4	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	25	430	0	28	72	none	5	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	25	429	0	28	72	none	5	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	25	421	0	29	72	none	5	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	25	422	0	29	72	none	5	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	25	421	0	29	72	none	5	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	25	438	0	28	72	none	4	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	25	432	0	28	72	none	4	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	25	426	0	28	72	none	5	35	none
WS2128	7579201215	4811b 42nd Avenue Southwest	2	1	25	415	0	29	72	none	5	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	25	497	0	27	72	none	3	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	25	533	0	27	72	none	2	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	25	530	0	27	72	none	2	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	25	528	0	27	72	none	2	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	25	530	0	27	72	none	2	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	25	503	0	27	72	none	3	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	25	368	0	30	72	none	6	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	25	298	0	31	72	none	9	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	12	25	233	0	33	72	none	13	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	8	25	212	0	34	72	none	14	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	25	103	10	55	72	none	37	35	2
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	25	383	0	29	72	none	6	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	25	263	0	32	72	none	11	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	25	176	0	36	72	none	17	35	none
WS6190	7624700006	4111 Southwest Hudson Street	2	1	25	146	0	39	72	none	21	35	none
WS6192	7624700005	4101 Southwest Hudson Street	2	1	25	131	0	41	72	none	23	35	none
WS6191	7624700010	5007 41st Avenue Southwest	2	4	25	167	0	37	72	none	18	35	none
WS6187	7624700015	5011 41st Avenue Southwest	2	2	25	204	0	35	72	none	15	35	none
WS6186	7624700020	5017 41st Avenue Southwest	2	2	25	251	0	33	72	none	12	35	none
WS6185	7624700025	5021 41st Avenue Southwest	2	2	25	296	0	31	72	none	9	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	25	341	0	30	72	none	7	35	none
WS6200	1297300100	5022 41st Avenue Southwest	2	2	25	297	0	31	72	none	9	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6197	1297300095	5028 41st Avenue Southwest	2	1	25	337	0	30	72	none	8	35	none
WS6203	1297300115	5006 41st Avenue Southwest	2	1	25	170	0	36	72	none	18	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	25	185	0	35	72	none	17	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	25	248	0	33	72	none	12	35	none
WS6202	1297300110	5012 41st Avenue Southwest	2	1	25	206	0	34	72	none	15	35	none
WS6260	6126601010	4800 40th Avenue Southwest	3	1	25	461	0	28	78	none	4	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	25	463	0	28	78	none	4	40	none
WS2296	952005960	4456 42nd Avenue Southwest	3	1	30	310	3	36	78	none	13	40	none
WS2296	952005960	4456 42nd Avenue Southwest	3	1	30	403	3	34	78	none	10	40	none
WS2298	952005890	4400 42nd Avenue Southwest	3	1	30	661	3	30	78	none	5	40	none
WS6623	952002655	4100 Southwest Genesee Street	3	1	30	707	3	29	78	none	4	40	none
WS5135	952007350	4500 39th Avenue Southwest	3	1	30	331	0	33	78	none	10	40	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	25	139	0	39.9	78	none	22	40	none
WS2192	7579200905	4847 41st Avenue Southwest	2	1	25	118	0	43	72	none	24	35	none
WS2190	7579200895	4853 41st Avenue Southwest	2	1	25	118	0	43	72	none	25	35	none
WS2188	7579200885	4857 41st Avenue Southwest	2	1	25	117	0	43	72	none	25	35	none
WS2194	7579200915	4843 41st Avenue Southwest	2	4	25	116	0	43	72	none	25	35	none
WS2196	7579200925	4837 41st Avenue Southwest	2	2	25	115	0	43	72	none	25	35	none
WS2204	7579200965	4815 41st Avenue Southwest	2	2	25	104	10	55	72	none	37	35	2
WS2210	7579200999	4803 41st Avenue Southwest	2	4	25	90	10	58	72	none	40	35	5
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	25	124	5	47	72	none	29	35	none
WS2208	7579200985	4807 41st Avenue Southwest	2	1	25	102	10	55	72	none	37	35	2
WS2206	7579200975	4811 41st Avenue Southwest	2	1	25	106	10	55	72	none	37	35	2
WS2202	7579200955	4823 41st Avenue Southwest	2	1	25	104	5	50	72	none	32	35	none
WS2200	7579200945	4827 41st Avenue Southwest	2	1	25	108	5	49	72	none	31	35	none
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	25	277	0	32	72	none	10	35	none
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	25	276	0	32	72	none	10	35	none
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	25	220	0	34	72	none	14	35	none
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	25	276	0	32	72	none	10	35	none
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	25	258	0	33	72	none	11	35	none
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	25	259	0	33	72	none	11	35	none
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	25	250	0	33	72	none	12	35	none
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	25	269	0	32	72	none	11	35	none
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	25	249	0	33	72	none	12	35	none
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	25	258	0	33	72	none	11	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	25	255	0	33	72	none	12	35	none
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	25	260	0	33	72	none	11	35	none
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	25	252	0	33	72	none	12	35	none
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	25	252	0	33	72	none	12	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	25	361	0	30	72	none	7	35	none
WS5020	6126600300	4727 38th Avenue Southwest	2	1	25	886	0	22	72	none	<0	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	25	883	0	22	72	none	<0	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	25	853	0	23	72	none	<0	35	none
WS5023	952007660	4530 38th Avenue Southwest	2	120	30	609	0	28	72	none	3	35	none
WS1040	952007600	4520 Fauntleroy Way Southwest	2	1	30	515	0	29	72	none	4	35	none
WS5062	952007845	4515 36th Avenue Southwest	3	1	30	403	0	31	78	none	7	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	231	3	57	72	none	25	35	none
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	352	0	52	72	none	18	35	none
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	375	0	52	72	none	18	35	none
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	321	0	52	72	none	19	35	none
WS5152	9297302031	3273b Southwest Avalon Way	2	4	30	408	0	52	72	none	17	35	none
WS81400	321050000	3271 Southwest Avalon Way	2	24	30	394	0	52	72	none	17	35	none
WS81400	321050000	3271 Southwest Avalon Way	2	80	30	423	0	52	72	none	17	35	none
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	558	0	52	72	none	14	35	none
WS81500	4458770000	3221 Southwest Avalon Way	2	64	30	650	0	47	72	none	5	35	none
WS5167	9297301930	3211 Southwest Avalon Way	2	16	30	659	3	50	72	none	8	35	none
WS1094	9297301925	3201 Southwest Avalon Way	2	16	30	619	3	50	72	none	8	35	none
WS61000	8644250000	3202 Southwest Avalon Way	2	20	30	511	3	50	72	none	10	35	none
WS60900	7809670000	3210 Southwest Avalon Way	2	20	30	470	0	47	72	none	8	35	none
WS2422	9297301885	3230 Southwest Avalon Way	2	40	30	445	0	48	72	none	8	35	none
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	394	0	48	72	none	9	35	none
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	335	0	52	72	none	19	35	none
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	291	0	52	72	none	20	35	none
WS60800	321000000	3256 Southwest Avalon Way	2	32	30	232	0	54	72	none	22	35	none
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	191	0	56	72	none	24	35	none
WS81600	321500000	3112 Southwest Avalon Way	2	16	30	427	3	51	72	none	11	35	none
WS61100	9306000000	3120 Southwest Avalon Way	2	20	30	438	3	51	72	none	11	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	30	335	3	51	72	none	14	35	none
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	30	290	3	51	72	none	15	35	none
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	30	264	3	51	72	none	16	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	30	247	3	51	72	none	17	35	none
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	30	238	3	51	72	none	17	35	none
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	30	235	3	51	72	none	17	35	none
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	30	231	3	51	72	none	17	35	none
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	30	232	3	51	72	none	17	35	none
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	30	239	3	51	72	none	17	35	none
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	30	246	3	51	72	none	17	35	none
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	40	287	0	59	72	none	16	35	none
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	118	3	52	72	none	24	35	none
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	107	3	53	72	none	26	35	none
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	164	0	49	72	none	18	35	none
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	137	3	52	72	none	23	35	none
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	117	3	52	72	none	25	35	none
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	110	3	53	72	none	25	35	none
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	30	97	3	54	72	none	27	35	none
WS1090	9297301751	3119 Southwest Genesee Street	2	1	30	366	0	48	72	none	10	35	none
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	321	0	48	72	none	11	35	none
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	286	0	48	72	none	12	35	none
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	262	0	48	72	none	13	35	none
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	238	0	48	72	none	14	35	none
WS7027	952004035	4146 36th Avenue Southwest	2	1	30	204	3	58	72	none	26	35	none
WS3006	952003915	3600 Southwest Genesee Street	2	8	30	230	3	57	72	none	25	35	none
WS7000	952003805	4158 37th Avenue Southwest	2	1	30	256	0	53	72	none	21	35	none
WS7002	952003795	4150 37th Avenue Southwest	2	1	30	316	0	52	72	none	19	35	none
WS6697	952003685	4155 37th Avenue Southwest	2	1	30	297	0	33	72	none	11	35	none
WS6700	952003676	4151 37th Avenue Southwest	2	1	30	346	0	32	72	none	9	35	none
WS6687	952003565	4156 38th Avenue Southwest	2	1	30	345	0	32	72	none	9	35	none
WS6690	952003555	4152 38th Avenue Southwest	2	1	30	393	0	31	72	none	7	35	none
WS6676	952003445	4157 38th Avenue Southwest	2	1	30	385	0	31	72	none	8	35	none
WS6677	952003435	4155 38th Avenue Southwest	2	1	30	420	0	31	72	none	7	35	none
WS6665	952003295	4156 39th Avenue Southwest	2	1	30	443	0	30	72	none	6	35	none
WS6680	952003425	4149 38th Avenue Southwest	2	1	30	456	0	30	72	none	6	35	none
WS6666	952003285	4150 39th Avenue Southwest	2	2	30	477	0	30	72	none	5	35	none
WS2400	952004705	4403 37th Avenue Southwest	2	1	30	205	0	38	72	none	16	35	none
WS2398	952004715	4407 37th Avenue Southwest	2	1	30	167	0	42	72	none	20	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6590	952004725	4413 37th Avenue Southwest	2	1	30	122	0	47	72	none	25	35	none
WS6587	952004735	4417 37th Avenue Southwest	2	1	30	86	0	53	72	none	32	35	none
WS6586	952004745	4421 37th Avenue Southwest	2	1	30	57	0	64	72	none	39	35	4
WS6585	952004755	4427 37th Avenue Southwest	2	1	30	62	0	61	72	none	38	35	3
WS5145	952004765	4431 37th Avenue Southwest	2	16	30	101	0	50	72	none	29	35	none
WS2396	952004820	4402 38th Avenue Southwest	2	1	30	246	0	35	72	none	14	35	none
WS2394	952004830	4406 38th Avenue Southwest	2	1	30	207	0	38	72	none	16	35	none
WS2392	952004840	4412 38th Avenue Southwest	2	1	30	164	0	42	72	none	20	35	none
WS6584	952004850	4416 38th Avenue Southwest	2	1	30	131	0	46	72	none	24	35	none
WS6583	952004860	4420 38th Avenue Southwest	2	1	30	95	0	51	72	none	30	35	none
WS6582	952004865	4422 38th Avenue Southwest	2	1	30	79	0	54	72	none	33	35	none
WS6581	952004875	4426 38th Avenue Southwest	2	1	30	68	0	58	72	none	36	35	1
WS6580	952004885	4432 38th Avenue Southwest	2	1	30	69	0	57	72	none	36	35	<1
WS5144	952004895	4436 38th Avenue Southwest	2	1	30	93	0	52	72	none	30	35	none
WS5142	952004915	4446 38th Avenue Southwest	2	1	30	154	0	43	72	none	21	35	none
WS5143	952004905	4442 38th Avenue Southwest	2	2	30	126	0	46	72	none	25	35	none
WS5137	952004935	4450 38th Avenue Southwest	2	2	30	257	0	35	72	none	13	35	none
WS5140	952004930	3718 Southwest Oregon Street	2	2	30	254	0	35	72	none	13	35	none
WS5141	952004925	3714 Southwest Oregon Street	2	3	30	260	0	35	72	none	13	35	none
WS6570	952005095	4457 38th Avenue Southwest	2	1	30	218	0	37	72	none	16	35	none
WS6571	952005085	4453 38th Avenue Southwest	2	1	30	175	0	41	72	none	19	35	none
WS6572	952005075	4451 38th Avenue Southwest	2	1	30	144	0	44	72	none	22	35	none
WS6573	952005065	4441 38th Avenue Southwest	2	1	30	110	0	49	72	none	27	35	none
WS6574	952005055	4437 38th Avenue Southwest	2	1	30	84	0	54	72	none	32	35	none
WS6575	952005045	4433 38th Avenue Southwest	2	1	30	83	0	54	72	none	32	35	none
WS6576	952005035	4427 38th Avenue Southwest	2	1	30	95	0	51	72	none	30	35	none
WS6577	952005025	4423 38th Avenue Southwest	2	1	30	131	0	46	72	none	24	35	none
WS2384	952005015	4417 38th Avenue Southwest	2	1	30	158	0	43	72	none	21	35	none
WS2386	952005000	4411 38th Avenue Southwest	2	1	30	201	0	38	72	none	17	35	none
WS2388	952004995	4407 38th Avenue Southwest	2	1	30	254	0	35	72	none	13	35	none
WS2390	952004985	4403 38th Avenue Southwest	2	1	30	291	0	34	72	none	11	35	none
WS2382	952005105	4402 39th Avenue Southwest	2	1	30	326	0	33	72	none	10	35	none
WS2380	952005115	4406 39th Avenue Southwest	2	1	30	278	0	34	72	none	12	35	none
WS6567	952005145	4420 39th Avenue Southwest	2	1	30	161	0	42	72	none	20	35	none
WS6566	952005155	4424 39th Avenue Southwest	2	1	30	138	0	45	72	none	23	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6565	952005160	4428 39th Avenue Southwest	2	1	30	121	0	47	72	none	25	35	none
WS6564	952005165	4434 39th Avenue Southwest	2	1	30	108	0	49	72	none	28	35	none
WS6563	952005185	4436 39th Avenue Southwest	2	1	30	97	0	51	72	none	29	35	none
WS6562	952005195	4440 39th Avenue Southwest	2	1	30	98	0	51	72	none	29	35	none
WS6561	952005200	4442 39th Avenue Southwest	2	1	30	99	0	51	72	none	29	35	none
WS6560	952005205	4446 39th Avenue Southwest	2	1	30	112	0	48	72	none	27	35	none
WS6557	952005215	4448 39th Avenue Southwest	2	1	30	133	0	45	72	none	24	35	none
WS6555	952005224	4452 39th Avenue Southwest	2	1	30	168	0	41	72	none	20	35	none
WS6554	952005249	4456 39th Avenue Southwest	2	1	30	199	0	38	72	none	17	35	none
WS2378	952005125	4414 39th Avenue Southwest	2	2	30	260	0	35	72	none	13	35	none
WS2376	952005135	4416 39th Avenue Southwest	2	2	30	214	0	37	72	none	16	35	none
WS2374	952005270	4403 39th Avenue Southwest	2	1	30	374	0	32	72	none	8	35	none
WS2372	952005280	4409 39th Avenue Southwest	2	2	30	331	0	33	72	none	10	35	none
WS6553	952005290	4413 39th Avenue Southwest	2	1	30	284	0	34	72	none	12	35	none
WS2370	952005300	4417 39th Avenue Southwest	2	1	30	249	0	35	72	none	14	35	none
WS2368	952005305	4421 39th Avenue Southwest	2	1	30	211	0	37	72	none	16	35	none
WS2366	952005320	4427 39th Avenue Southwest	2	1	30	173	0	41	72	none	19	35	none
WS6552	952005330	4433 39th Avenue Southwest	2	1	30	116	0	48	72	none	26	35	none
WS6551	952005340	4437 39th Avenue Southwest	2	1	30	101	0	50	72	none	29	35	none
WS6547	952005359	4447 39th Avenue Southwest	2	1	30	88	0	53	72	none	31	35	none
WS6546	952005370	4451 39th Avenue Southwest	2	1	30	113	0	48	72	none	27	35	none
WS6545	952005380	4457 39th Avenue Southwest	2	1	30	151	0	43	72	none	22	35	none
WS6550	952005349	4441 39th Avenue Southwest	2	2	30	88	0	53	72	none	31	35	none
WS6655	952003175	4157 39th Avenue Southwest	2	1	30	507	0	29	72	none	4	35	none
WS6656	952003165	4153 39th Avenue Southwest	2	1	30	547	0	28	72	none	4	35	none
WS6645	952003055	4156 40th Avenue Southwest	2	1	30	515	0	29	72	none	4	35	none
WS6646	952003045	4150 40th Avenue Southwest	2	1	30	563	0	28	72	none	3	35	none
WS6635	952002935	4010 Southwest Genesee Street	2	1	30	555	3	31	72	none	6	35	none
WS2364	952005390	4402 40th Avenue Southwest	2	1	30	409	0	31	72	none	7	35	none
WS2362	952005400	4414 40th Avenue Southwest	2	1	30	345	0	32	72	none	9	35	none
WS6544	952005415	4416c 40th Avenue Southwest	2	1	30	313	3	36	72	none	13	35	none
WS6543	952005425	4418 40th Avenue Southwest	2	1	30	251	0	35	72	none	13	35	none
WS2360	952005435	4422 40th Avenue Southwest	2	1	30	223	3	40	72	none	18	35	none
WS2356	952005445	4426 40th Avenue Southwest	2	1	30	198	3	42	72	none	20	35	none
WS2354	952005460	4432 40th Avenue Southwest	2	1	30	128	3	49	72	none	27	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6542	952005470	4438 40th Avenue Southwest	2	1	30	102	3	53	72	none	31	35	none
WS6541	952005480	4442 40th Avenue Southwest	2	1	30	84	3	57	72	none	35	35	<1
WS6540	952005490	4446 40th Avenue Southwest	2	1	30	83	3	57	72	none	35	35	<1
WS6537	952005500	4452 40th Avenue Southwest	2	1	30	77	3	58	72	none	37	35	2
WS6536	952005510	4456 40th Avenue Southwest	2	1	30	87	3	56	72	none	35	35	<1
WS2330	952005630	4457 40th Avenue Southwest	2	1	30	74	3	59	72	none	38	35	3
WS2332	952005620	4453 40th Avenue Southwest	2	1	30	72	3	59	72	none	38	35	3
WS2334	952005610	4449 40th Avenue Southwest	2	1	30	98	3	54	72	none	32	35	none
WS2336	952005600	4441 40th Avenue Southwest	2	1	30	121	3	50	72	none	28	35	none
WS2338	952005590	4437 40th Avenue Southwest	2	1	30	147	3	47	72	none	25	35	none
WS6532	952005580	4433 40th Avenue Southwest	2	1	30	183	3	43	72	none	21	35	none
WS6533	952005570	4429 40th Avenue Southwest	2	1	30	230	3	39	72	none	18	35	none
WS2340	952005560	4421 40th Avenue Southwest	2	1	30	267	3	37	72	none	16	35	none
WS2342	952005550	4415 40th Avenue Southwest	2	1	30	321	3	36	72	none	13	35	none
WS2344	952005545	4413 40th Avenue Southwest	2	1	30	336	3	35	72	none	12	35	none
WS2346	952005540	4411 40th Avenue Southwest	2	1	30	357	3	35	72	none	12	35	none
WS2348	952005535	4409 40th Avenue Southwest	2	1	30	381	3	34	72	none	11	35	none
WS6534	952005530	4407 40th Avenue Southwest	2	1	30	402	3	34	72	none	10	35	none
WS2350	952005525	4405 40th Avenue Southwest	2	1	30	425	3	33	72	none	10	35	none
WS2352	952005520	4403 40th Avenue Southwest	2	1	30	447	3	33	72	none	9	35	none
WS6535	952005515	4401 40th Avenue Southwest	2	1	30	471	3	33	72	none	8	35	none
WS2326	952005680	4424 41st Avenue Southwest	2	1	30	357	3	35	72	none	12	35	none
WS2324	952005690	4426 41st Avenue Southwest	2	1	30	331	3	36	72	none	13	35	none
WS2322	952005695	4430 41st Avenue Southwest	2	1	30	312	3	36	72	none	13	35	none
WS6531	952005670	4434 41st Avenue Southwest	2	1	30	282	3	37	72	none	15	35	none
WS6530	952005719	4436 41st Avenue Southwest	2	1	30	260	3	38	72	none	16	35	none
WS6527	952005737	4440 41st Avenue Southwest	2	1	30	228	3	39	72	none	18	35	none
WS6526	952005741	4446 41st Avenue Southwest	2	1	30	165	3	45	72	none	23	35	none
WS2320	952005750	4452 41st Avenue Southwest	2	1	30	126	3	49	72	none	28	35	none
WS2318	952005760	4456 41st Avenue Southwest	2	1	30	100	3	54	72	none	32	35	none
WS6524	952005826	4431b 41st Avenue Southwest	2	4	30	373	3	35	72	none	11	35	none
WS6522	952005827	4429b 41st Avenue Southwest	2	4	30	418	3	34	72	none	10	35	none
WS2314	952005840	4437a 41st Avenue Southwest	2	2	30	351	3	35	72	none	12	35	none
WS2312	952005841	4437b 41st Avenue Southwest	2	2	30	338	3	35	72	none	12	35	none
WS2310	952005842	4437c 41st Avenue Southwest	2	2	30	330	3	36	72	none	13	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2308	952005843	4437d 41st Avenue Southwest	2	2	30	318	3	36	72	none	13	35	none
WS6517	952005832	4441b 41st Avenue Southwest	2	2	30	359	3	35	72	none	12	35	none
WS6520	952005831	4441a 41st Avenue Southwest	2	2	30	370	3	35	72	none	11	35	none
WS6521	952005830	4439 41st Avenue Southwest	2	2	30	391	3	34	72	none	11	35	none
WS6516	952005860	4449b 41st Avenue Southwest	2	3	30	267	3	37	72	none	16	35	none
WS6515	952005861	4449a 41st Avenue Southwest	2	3	30	288	3	37	72	none	14	35	none
WS2302	952005862	4447b 41st Avenue Southwest	2	3	30	305	3	36	72	none	14	35	none
WS2304	952005863	4447a 41st Avenue Southwest	2	3	30	316	3	36	72	none	13	35	none
WS2306	952005850	4443 41st Avenue Southwest	2	1	30	313	3	36	72	none	13	35	none
WS6367	952006630	4501 41st Avenue Southwest	2	3	30	180	3	43	72	none	22	35	none
WS6366	952006631	4503 41st Avenue Southwest	2	3	30	175	3	44	72	none	22	35	none
WS6362	952006632	4505 41st Avenue Southwest	2	3	30	170	3	44	72	none	23	35	none
WS6360	952006633	4507 41st Avenue Southwest	2	3	30	167	3	45	72	none	23	35	none
WS6364	952006635	4113 Southwest Oregon Street	2	6	30	234	3	39	72	none	17	35	none
WS6354	952006638	4109 Southwest Oregon Street	2	6	30	219	3	40	72	none	18	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	30	490	3	32	72	none	8	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	359	0	32	72	none	9	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	40	30	360	3	35	72	none	12	35	none
WS5102	952007165	4538 40th Avenue Southwest	2	1	30	367	3	35	72	none	11	35	none
WS5106	952007152	4536b 40th Avenue Southwest	2	6	30	419	3	34	72	none	10	35	none
WS5104	952007150	4534b 40th Avenue Southwest	2	6	30	366	3	35	72	none	11	35	none
WS5110	952007141	4530b 40th Avenue Southwest	2	6	30	405	3	34	72	none	10	35	none
WS5107	952007137	4530d 40th Avenue Southwest	2	6	30	360	3	35	72	none	12	35	none
WS5113	952007125	4526 40th Avenue Southwest	2	1	30	337	3	35	72	none	12	35	none
WS5114	952007120	4522 40th Avenue Southwest	2	1	30	308	3	36	72	none	14	35	none
WS5115	952007105	4518 40th Avenue Southwest	2	3	30	264	3	37	72	none	16	35	none
WS5116	952007090	4514 40th Avenue Southwest	2	1	30	239	3	38	72	none	17	35	none
WS5122	952007080	4508 40th Avenue Southwest	2	1	30	210	3	41	72	none	19	35	none
WS5125	952007065	4506 40th Avenue Southwest	2	1	30	186	3	43	72	none	21	35	none
WS5130	952007055	3955 Southwest Oregon Street	2	6	30	169	3	44	72	none	23	35	none
WS5132	952007057	3951 Southwest Oregon Street	2	6	30	195	3	42	72	none	20	35	none
WS5127	952007069	4506a 40th Avenue Southwest	2	4	30	203	3	41	72	none	20	35	none
WS5124	952007082	4510a 40th Avenue Southwest	2	4	30	232	3	39	72	none	18	35	none
WS5117	952007091	4512a 40th Avenue Southwest	2	6	30	270	3	37	72	none	15	35	none
WS6396	952006905	4503 40th Avenue Southwest	2	1	30	98	3	54	72	none	32	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6395	952006915	4507 40th Avenue Southwest	2	1	30	131	3	49	72	none	27	35	none
WS6394	952006925	4511 40th Avenue Southwest	2	1	30	152	3	46	72	none	24	35	none
WS3004	952006906	4505a 40th Avenue Southwest	2	4	30	75	3	59	72	none	37	35	2
WS6385	952006916	4505c 40th Avenue Southwest	2	4	30	80	3	57	72	none	36	35	1
WS6382	952006929	4513b 40th Avenue Southwest	2	6	30	122	3	50	72	none	28	35	none
WS6381	952006935	4517 40th Avenue Southwest	2	4	30	137	3	48	72	none	26	35	none
WS6380	952006939	4521a 40th Avenue Southwest	2	6	30	134	3	48	72	none	27	35	none
WS6393	952006941	4523a 40th Avenue Southwest	2	6	30	173	3	44	72	none	22	35	none
WS6376	952006953	4529a 40th Avenue Southwest	2	4	30	148	3	47	72	none	25	35	none
WS6391	952006957	4527a 40th Avenue Southwest	2	4	30	192	3	42	72	none	21	35	none
WS6374	952006961	4533a 40th Avenue Southwest	2	4	30	162	3	45	72	none	23	35	none
WS6370	952006979	4539b 40th Avenue Southwest	2	4	30	193	3	42	72	none	20	35	none
WS6387	952006965	4531 40th Avenue Southwest	2	2	30	210	3	41	72	none	19	35	none
WS6386	952006975	4537 40th Avenue Southwest	2	2	30	235	3	39	72	none	17	35	none
WS5096	952006989	4543b 40th Avenue Southwest	2	3	30	193	3	42	72	none	20	35	none
WS5101	952006985	4541 40th Avenue Southwest	2	2	30	241	3	38	72	none	17	35	none
WS5094	952006999	4547b 40th Avenue Southwest	2	3	30	193	0	39	72	none	17	35	none
WS5100	952006995	4545 40th Avenue Southwest	2	2	30	235	0	36	72	none	14	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	82	0	54	72	none	33	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	273	0	34	72	none	12	35	none
WS2254	952006855	4536 41st Avenue Southwest	2	1	30	82	3	57	72	none	36	35	1
WS2262	952006845	4532 41st Avenue Southwest	2	1	30	87	3	56	72	none	34	35	none
WS2280	952006815	4520a 41st Avenue Southwest	2	5	30	77	3	58	72	none	37	35	2
WS7582	952006817	4520c 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7583	952006816	4520b 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7584	952006813	418a 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7585	952006814	418b 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS2282	952006805	4514 41st Avenue Southwest	2	1	30	81	3	57	72	none	36	35	<1
WS2284	952006795	4512 41st Avenue Southwest	2	1	30	78	3	58	72	none	37	35	2
WS2286	952006789	4504 41st Avenue Southwest	2	3	30	76	3	58	72	none	37	35	2
WS2290	952006775	4019 Southwest Oregon Street	2	2	30	75	3	59	72	none	37	35	2
WS2272	952006838	4528b 41st Avenue Southwest	2	8	30	109	3	52	72	none	30	35	none
WS2264	952006836	4526b 41st Avenue Southwest	2	8	30	78	3	58	72	none	37	35	2
WS2266	952006835	4526a 41st Avenue Southwest	2	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264
WS2268	952006823	4522b 41st Avenue Southwest	2	4	30	77	3	58	72	none	37	35	2

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2270	952006821	4522a 41st Avenue Southwest	2	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268
WS2276	952006825	4524b 41st Avenue Southwest	2	4	30	103	3	53	72	none	31	35	none
WS2246	952006700	4525 41st Avenue Southwest	2	48	30	95	3	54	72	none	33	35	none
WS2186	952006510	4502 42nd Avenue Southwest	2	96	30	298	3	36	72	none	14	35	none
WS2176	952006560	4526 42nd Avenue Southwest	2	1	30	265	3	37	72	none	16	35	none
WS2174	952006565	4532 42nd Avenue Southwest	2	32	30	276	3	37	72	none	15	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	30	127	3	49	72	none	28	35	none
WS5086	952006718	4533c 41st Avenue Southwest	2	3	30	131	3	49	72	none	27	35	none
WS5083	952006728	4535c 41st Avenue Southwest	2	3	30	128	3	49	72	none	27	35	none
WS2238	7579200295	4744 41st Avenue Southwest	2	48	25	76	10	64	72	none	43	35	8
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	25	365	0	30	72	none	7	35	none
WS2162	952006465	4545 42nd Avenue Southwest	2	64	30	377	0	31	72	none	8	35	none
WS6351	952006385	4505 42nd Avenue Southwest	2	36	30	424	3	34	72	none	10	35	none
WS5222	9297300935	3104b Southwest Avalon Way	2	1	30	447	3	51	72	none	11	35	none
WS5224	9297300930	not available	2	3	30	443	3	51	72	none	11	35	none
WS5225	9297300925	3078e Southwest Avalon Way	2	3	30	444	3	51	72	none	11	35	none
WS5226	9297300920	3074 Southwest Avalon Way	2	3	40	444	0	58	72	none	12	35	none
WS5246	9297300898	3070b Southwest Avalon Way	2	12	40	460	0	58	72	none	11	35	none
WS5250	9297300902	3062b Southwest Avalon Way	2	12	40	476	3	61	72	none	14	35	none
WS5252	9297300895	3060 Southwest Avalon Way	2	12	40	491	3	61	72	none	14	35	none
WS7196	9297300885	3050 Southwest Avalon Way	2	36	40	543	3	61	72	none	13	35	none
WS7121	9297300875	3046 Southwest Avalon Way	2	12	40	577	3	61	72	none	12	35	none
WS7122	9297300870	3040 Southwest Avalon Way	2	6	40	615	3	61	72	none	12	35	none
WS5256	9297300725	3039 Southwest Avalon Way	2	1	40	587	3	61	72	none	12	35	none
WS5254	9297300745	3051 Southwest Avalon Way	2	1	40	563	0	58	72	none	10	35	none
WS5253	9297300750	3055 Southwest Avalon Way	2	1	40	557	0	58	72	none	10	35	none
WS5255	9297300740	3047 Southwest Avalon Way	2	2	40	584	0	58	72	none	9	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	24	40	721	3	61	72	none	10	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	589	3	50	72	none	9	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	18	30	572	3	50	72	none	9	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	12	30	706	3	50	72	none	7	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	30	30	796	3	50	72	none	6	35	none
WS1102	9358002340	4316 30th Avenue Southwest	2	6	40	912	0	58	72	none	5	35	none
WS1104	9358002350	2852 Southwest Genesee Street	2	2	40	955	0	57	72	none	5	35	none
WS1106	9358002351	2850 Southwest Genesee Street	2	2	40	993	0	57	72	none	5	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1110	9358002365	2842 Southwest Genesee Street	2	2	40	1028	0	57	72	none	4	35	none
WS5263	9358002308	2851 Southwest Nevada Street	2	3	40	966	3	60	72	none	8	35	none
WS5264	9358002305	2853 Southwest Nevada Street	2	3	40	953	3	60	72	none	8	35	none
WS5262	9358002320	2855 Southwest Nevada Street	2	4	40	928	3	60	72	none	8	35	none
WS5261	9358002330	4302 30th Avenue Southwest	2	2	40	887	3	61	72	none	9	35	none
WS1030	952007545	4550 Fauntleroy Way Southwest	3	1	30	758	0	26	78	none	0	40	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	25	98	10	56	78	none	38	40	none
WS7114	9297301155	4049 32nd Avenue Southwest	2	2	40	363	3	62	72	none	17	35	none
WS7154	9297301170	4105 32nd Avenue Southwest	2	2	40	234	0	59	72	none	18	35	none
WS7221	9297301455	4039 Fauntleroy Way Southwest	2	2	40	281	0	59	72	none	16	35	none
WS7222	9297301460	4043 Fauntleroy Way Southwest	2	2	40	249	0	59	72	none	17	35	none
WS7223	9297301465	4101 Fauntleroy Way Southwest	2	2	30	214	3	52	72	none	18	35	none
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	2	40	423	3	61	72	none	15	35	none
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	40	545	3	61	72	none	13	35	none
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	40	507	3	61	72	none	14	35	none
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	40	471	3	61	72	none	14	35	none
WS5203	9297301180	4115 32nd Avenue Southwest	2	1	30	157	3	52	72	none	21	35	none
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	30	132	3	52	72	none	23	35	none
WS7116	9297301145	4039 32nd Avenue Southwest	2	1	40	442	3	61	72	none	15	35	none
WS7115	9297301150	4045 32nd Avenue Southwest	2	1	40	403	3	62	72	none	16	35	none
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	40	204	0	59	72	none	19	35	none
WS7153	9297301165	4055 32nd Avenue Southwest	2	1	40	283	3	62	72	none	19	35	none
WS7213	9297301160	4051 32nd Avenue Southwest	2	1	40	331	3	62	72	none	18	35	none
WS7152	9297301135	4035 32nd Avenue Southwest	2	1	40	489	3	61	72	none	14	35	none
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	40	280	0	59	72	none	16	35	none
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	40	312	3	62	72	none	18	35	none
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	40	343	3	62	72	none	17	35	none
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	40	372	3	62	72	none	16	35	none
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	40	403	3	62	72	none	16	35	none
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	40	462	3	61	72	none	14	35	none
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	40	387	3	62	72	none	16	35	none
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	40	316	0	59	72	none	15	35	none
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	30	196	3	52	72	none	19	35	none
WS7392	9297301475	4107 Fauntleroy Way Southwest	2	1	30	190	3	52	72	none	19	35	none
WS7393	9297301480	4115 Fauntleroy Way Southwest	2	1	30	194	3	52	72	none	19	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7215	9297301430	4023 Fauntleroy Way Southwest	2	1	40	454	3	61	72	none	15	35	none
WS6636	952002920	4151 40th Avenue Southwest	2	1	30	607	3	31	72	none	6	35	none
WS6637	952002915	4147 40th Avenue Southwest	2	1	30	642	3	30	72	none	5	35	none
WS6640	952002905	4141 40th Avenue Southwest	2	1	30	698	3	29	72	none	4	35	none
WS6641	952002895	4137 40th Avenue Southwest	2	1	30	746	3	29	72	none	3	35	none
WS6647	952003035	4146 40th Avenue Southwest	2	1	30	608	0	28	72	none	3	35	none
WS6650	952003025	4140 40th Avenue Southwest	2	1	30	654	0	27	72	none	2	35	none
WS6651	952003015	4136 40th Avenue Southwest	2	1	30	705	0	26	72	none	1	35	none
WS6652	952003005	4132 40th Avenue Southwest	2	1	30	748	0	26	72	none	0	35	none
WS6653	952002995	4126 40th Avenue Southwest	2	1	30	794	0	25	72	none	0	35	none
WS6654	952002985	4122 40th Avenue Southwest	2	1	30	835	0	25	72	none	<0	35	none
WS7712	952002975	4116 40th Avenue Southwest	2	1	30	886	0	24	72	none	<0	35	none
WS6657	952003155	4147 39th Avenue Southwest	2	1	30	602	0	28	72	none	3	35	none
WS6660	952003145	4141 39th Avenue Southwest	2	1	30	646	0	27	72	none	2	35	none
WS6661	952003135	4137 39th Avenue Southwest	2	1	30	681	0	27	72	none	1	35	none
WS6662	952003125	4129 39th Avenue Southwest	2	1	30	716	0	26	72	none	1	35	none
WS6663	952003115	4125 39th Avenue Southwest	2	1	30	768	0	26	72	none	0	35	none
WS6664	952003105	4121 39th Avenue Southwest	2	1	30	818	0	25	72	none	<0	35	none
WS7717	952003095	4117 39th Avenue Southwest	2	1	30	861	0	25	72	none	<0	35	none
WS7716	952003090	4111 39th Avenue Southwest	2	1	30	900	0	24	72	none	<0	35	none
WS7715	952003085	4109 39th Avenue Southwest	2	1	30	942	0	24	72	none	<0	35	none
WS7713	952003064	3903 Southwest Dakota Street	2	1	30	989	0	24	72	none	<0	35	none
WS6667	952003275	4146 39th Avenue Southwest	2	1	30	552	0	28	72	none	4	35	none
WS6670	952003265	4142 39th Avenue Southwest	2	1	30	600	0	28	72	none	3	35	none
WS6671	952003255	4136 39th Avenue Southwest	2	1	30	650	0	27	72	none	2	35	none
WS6672	952003245	4132 39th Avenue Southwest	2	1	30	686	0	27	72	none	1	35	none
WS6673	952003240	4128 39th Avenue Southwest	2	1	30	721	0	26	72	none	1	35	none
WS6674	952003230	4124 39th Avenue Southwest	2	1	30	765	0	26	72	none	0	35	none
WS6675	952003220	4118 39th Avenue Southwest	2	1	30	804	0	25	72	none	0	35	none
WS7723	952003210	4114 39th Avenue Southwest	2	1	30	831	0	25	72	none	<0	35	none
WS7722	952003203	4110 39th Avenue Southwest	2	1	30	882	0	24	72	none	<0	35	none
WS7721	952003188	4104 39th Avenue Southwest	2	1	30	937	0	24	72	none	<0	35	none
WS7720	952003184	3817 Southwest Dakota Street	2	1	30	982	0	24	72	none	<0	35	none
WS7695	952001090	4060 39th Avenue Southwest	2	1	30	1057	0	23	72	none	<0	35	none
WS6683	952003395	4135 38th Avenue Southwest	2	1	30	631	0	27	72	none	2	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6684	952003385	4129 38th Avenue Southwest	2	1	30	667	0	27	72	none	2	35	none
WS6685	952003370	4125 38th Avenue Southwest	2	1	30	709	0	26	72	none	1	35	none
WS6686	952003360	4121 38th Avenue Southwest	2	1	30	752	0	26	72	none	0	35	none
WS7730	952003350	4117 38th Avenue Southwest	2	1	30	799	0	25	72	none	0	35	none
WS7727	952003340	4111 38th Avenue Southwest	2	1	30	834	0	25	72	none	<0	35	none
WS7726	952003330	4109 38th Avenue Southwest	2	1	30	861	0	25	72	none	<0	35	none
WS7725	952003315	4107 38th Avenue Southwest	2	1	30	882	0	24	72	none	<0	35	none
WS7724	952003305	4103 38th Avenue Southwest	2	1	30	914	0	24	72	none	<0	35	none
WS7690	952000955	4059 38th Avenue Southwest	2	1	30	1022	0	23	72	none	<0	35	none
WS7687	952000945	4055 38th Avenue Southwest	2	1	30	1066	0	23	72	none	<0	35	none
WS7686	952000935	4051 38th Avenue Southwest	2	1	30	1111	0	23	72	none	<0	35	none
WS7675	952000775	4042 38th Avenue Southwest	2	1	30	1142	0	51	72	none	8	35	none
WS7676	952000780	4046 38th Avenue Southwest	2	1	30	1103	0	51	72	none	8	35	none
WS7677	952000800	4050 38th Avenue Southwest	2	1	30	1068	0	51	72	none	9	35	none
WS7680	952000805	4054 38th Avenue Southwest	2	1	30	1028	0	23	72	none	<0	35	none
WS7681	952000815	3720 Southwest Dakota Street	2	1	30	976	0	24	72	none	<0	35	none
WS7731	952003455	4102 38th Avenue Southwest	2	1	30	888	0	24	72	none	<0	35	none
WS7732	952003459	4106 38th Avenue Southwest	2	1	30	866	0	25	72	none	<0	35	none
WS7733	952003464	4110 38th Avenue Southwest	2	1	30	829	0	25	72	none	<0	35	none
WS7734	952003480	4112 38th Avenue Southwest	2	1	30	791	0	25	72	none	0	35	none
WS7735	952003490	4116 38th Avenue Southwest	2	1	30	752	0	26	72	none	0	35	none
WS6696	952003500	4120 38th Avenue Southwest	2	1	30	712	0	26	72	none	1	35	none
WS7731	952003455	4102 38th Avenue Southwest	2	1	30	885	0	51	72	none	10	35	none
WS6695	952003505	4126 38th Avenue Southwest	2	1	30	667	0	27	72	none	2	35	none
WS6682	952003405	4139 38th Avenue Southwest	2	1	30	585	0	28	72	none	3	35	none
WS6707	952003615	4119 37th Avenue Southwest	2	1	30	696	0	51	72	none	12	35	none
WS6710	952003605	4115 37th Avenue Southwest	2	1	30	737	0	51	72	none	12	35	none
WS7740	952003595	4111 37th Avenue Southwest	2	1	30	775	0	51	72	none	11	35	none
WS7737	952003585	4107 37th Avenue Southwest	2	1	30	830	0	51	72	none	11	35	none
WS7736	952003575	4103 37th Avenue Southwest	2	1	30	867	0	51	72	none	10	35	none
WS7671	952000675	4059 37th Avenue Southwest	2	1	30	939	0	51	72	none	10	35	none
WS7670	952000665	4055 37th Avenue Southwest	2	1	30	989	0	51	72	none	9	35	none
WS7667	952000650	4049 37th Avenue Southwest	2	1	30	1045	0	51	72	none	9	35	none
WS7666	952000640	4045 37th Avenue Southwest	2	1	30	1091	0	51	72	none	9	35	none
WS7665	952000630	4041 37th Avenue Southwest	2	1	30	1129	0	51	72	none	8	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7664	952000620	4037 37th Avenue Southwest	2	1	30	1157	0	51	72	none	8	35	none
WS7013	952003710	4112 37th Avenue Southwest	2	1	30	722	3	54	72	none	15	35	none
WS7742	952003705	4106 37th Avenue Southwest	2	1	30	771	3	54	72	none	14	35	none
WS7741	952003695	3617 Southwest Dakota Street	2	1	30	805	3	54	72	none	14	35	none
WS7661	952000530	4060 37th Avenue Southwest	2	1	30	898	0	51	72	none	10	35	none
WS7660	952000525	3616 Southwest Dakota Street	2	1	30	878	0	51	72	none	10	35	none
WS7657	952000520	4050 37th Avenue Southwest	2	1	30	938	0	51	72	none	10	35	none
WS7656	952000505	4044 37th Avenue Southwest	2	1	30	970	0	51	72	none	10	35	none
WS7655	952000495	4040 37th Avenue Southwest	2	1	30	1004	0	51	72	none	9	35	none
WS7654	952000485	4036 37th Avenue Southwest	2	1	30	1034	0	51	72	none	9	35	none
WS7653	952000475	4032 37th Avenue Southwest	2	1	30	1077	0	51	72	none	9	35	none
WS7743	952003815	4101 36th Avenue Southwest	2	1	30	699	0	51	72	none	12	35	none
WS7744	952003825	4105 36th Avenue Southwest	2	1	30	675	0	51	72	none	13	35	none
WS7647	952000405	4061 36th Avenue Southwest	2	1	30	802	0	51	72	none	11	35	none
WS7646	952000395	4055 36th Avenue Southwest	2	1	30	828	0	51	72	none	11	35	none
WS7645	952000385	4051 36th Avenue Southwest	2	1	30	849	0	51	72	none	11	35	none
WS7644	952000370	4045 36th Avenue Southwest	2	1	30	883	0	51	72	none	10	35	none
WS7643	952000365	4039 36th Avenue Southwest	2	1	30	917	0	51	72	none	10	35	none
WS7642	952000355	4035 36th Avenue Southwest	2	1	30	974	0	51	72	none	10	35	none
WS7641	952000345	4029 36th Avenue Southwest	2	1	30	1015	0	51	72	none	9	35	none
WS7626	952000195	4022 36th Avenue Southwest	2	1	30	939	0	47	72	none	1	35	none
WS7627	952000210	4026 36th Avenue Southwest	2	1	30	916	0	47	72	none	2	35	none
WS7630	952000215	4034 36th Avenue Southwest	2	1	30	866	0	47	72	none	2	35	none
WS7631	952000230	4040 36th Avenue Southwest	2	1	30	815	0	47	72	none	3	35	none
WS7632	952000240	4044 36th Avenue Southwest	2	1	30	778	0	47	72	none	3	35	none
WS7633	952000246	4048 36th Avenue Southwest	2	1	30	755	0	51	72	none	12	35	none
WS7634	952000260	4054 36th Avenue Southwest	2	1	30	740	0	51	72	none	12	35	none
WS7635	952000270	4058 36th Avenue Southwest	2	1	30	705	0	51	72	none	12	35	none
WS7745	952003935	4102 36th Avenue Southwest	2	1	30	609	0	51	72	none	13	35	none
WS7055	952004080	3509 Southwest Dakota Street	2	1	30	543	0	52	72	none	14	35	none
WS7746	952004085	4103 35th Avenue Southwest	2	1	30	514	0	52	72	none	15	35	none
WS7622	952000135	4059 35th Avenue Southwest	2	1	30	604	0	47	72	none	5	35	none
WS7621	952000125	4055 35th Avenue Southwest	2	1	30	644	0	47	72	none	5	35	none
WS7620	952000115	4049 35th Avenue Southwest	2	1	30	675	0	47	72	none	4	35	none
WS7617	952000105	4045 35th Avenue Southwest	2	1	30	703	0	47	72	none	4	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7616	952000095	4041 35th Avenue Southwest	2	1	30	724	0	47	72	none	4	35	none
WS7615	952000085	4035 35th Avenue Southwest	2	1	30	763	3	50	72	none	6	35	none
WS7614	952000075	4029 35th Avenue Southwest	2	1	30	798	3	50	72	none	6	35	none
WS7613	952000065	4025 35th Avenue Southwest	2	1	40	830	0	58	72	none	6	35	none
WS5180	9297301485	4117 Fauntleroy Way Southwest	2	1	30	197	3	52	72	none	19	35	none
WS5177	9297301490	4121 Fauntleroy Way Southwest	2	1	30	190	3	52	72	none	19	35	none
WS5176	9297301495	4127 Fauntleroy Way Southwest	2	1	30	192	0	49	72	none	16	35	none
WS5175	9297301500	4129 Fauntleroy Way Southwest	2	1	30	189	0	49	72	none	16	35	none
WS5174	9297301505	4135 Fauntleroy Way Southwest	2	1	30	190	0	49	72	none	16	35	none
WS5173	9297301510	4137 Fauntleroy Way Southwest	2	1	30	185	0	49	72	none	17	35	none
WS5172	9297301515	4141 Fauntleroy Way Southwest	2	1	30	183	0	49	72	none	17	35	none
WS5171	9297301520	4145 Fauntleroy Way Southwest	2	1	30	181	0	56	72	none	24	35	none
WS5170	9297301525	4147 Fauntleroy Way Southwest	2	1	30	180	0	56	72	none	24	35	none
WS7870	9297301690	4046 35th Avenue Southwest	2	1	30	516	0	47	72	none	7	35	none
WS7871	9297301695	4040 35th Avenue Southwest	2	1	30	552	0	47	72	none	6	35	none
WS7872	9297301700	4036 35th Avenue Southwest	2	1	30	584	0	47	72	none	6	35	none
WS7873	9297301705	4032 35th Avenue Southwest	2	1	30	613	3	50	72	none	8	35	none
WS7874	9297301710	4030 35th Avenue Southwest	2	1	30	615	3	50	72	none	8	35	none
WS7875	9297301715	4026 35th Avenue Southwest	2	1	30	635	3	50	72	none	8	35	none
WS7876	9297301720	4020 35th Avenue Southwest	2	1	40	678	0	58	72	none	8	35	none
WS7877	9297301730	4014 35th Avenue Southwest	2	1	40	714	0	58	72	none	7	35	none
WS7880	9297301735	4010 35th Avenue Southwest	2	1	40	743	0	58	72	none	7	35	none
WS7881	9297301740	4006 35th Avenue Southwest	2	1	40	783	3	61	72	none	10	35	none
WS7864	9297301635	4001 34th Avenue Southwest	2	1	40	738	3	61	72	none	10	35	none
WS7865	9297301640	4005 34th Avenue Southwest	2	1	40	700	3	61	72	none	11	35	none
WS7866	9297301645	4009 34th Avenue Southwest	2	1	40	665	3	61	72	none	11	35	none
WS7867	9297301650	4011 34th Avenue Southwest	2	1	40	632	3	61	72	none	12	35	none
WS7356	9297301655	4017 34th Avenue Southwest	2	1	40	598	0	58	72	none	9	35	none
WS7357	9297301660	4021 34th Avenue Southwest	2	1	40	566	0	58	72	none	10	35	none
WS7358	9297301665	4025 34th Avenue Southwest	2	1	40	543	0	58	72	none	10	35	none
WS7359	9297301670	4029 34th Avenue Southwest	2	1	30	536	3	50	72	none	9	35	none
WS7360	9297301675	4033 34th Avenue Southwest	2	1	30	503	3	50	72	none	10	35	none
WS7362	9297301685	4037 34th Avenue Southwest	2	1	30	503	3	50	72	none	10	35	none
WS7361	9297301680	4045 34th Avenue Southwest	2	1	30	474	3	50	72	none	11	35	none
WS7344	9297301575	4046 34th Avenue Southwest	2	1	30	369	3	51	72	none	13	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7345	9297301580	4042 34th Avenue Southwest	2	1	30	376	3	51	72	none	13	35	none
WS7346	9297301585	4038 34th Avenue Southwest	2	1	30	381	3	51	72	none	13	35	none
WS7347	9297301590	4034 34th Avenue Southwest	2	1	40	396	0	59	72	none	13	35	none
WS7348	9297301595	4032 34th Avenue Southwest	2	1	40	427	0	58	72	none	12	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	40	472	3	61	72	none	14	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	40	504	3	61	72	none	14	35	none
WS7351	9297301610	4018 34th Avenue Southwest	2	1	40	530	3	61	72	none	13	35	none
WS7352	9297301615	4014 34th Avenue Southwest	2	1	40	555	3	61	72	none	13	35	none
WS7353	9297301620	4010 34th Avenue Southwest	2	1	40	596	3	61	72	none	12	35	none
WS7354	9297301625	4008 34th Avenue Southwest	2	1	40	634	3	61	72	none	12	35	none
WS7355	9297301630	4002 34th Avenue Southwest	2	1	40	673	3	61	72	none	11	35	none
WS7337	9297301420	3307 Southwest Andover Street	2	1	40	620	3	61	72	none	12	35	none
WS7391	9297301425	4015 Fautleroy Way Southwest	2	1	40	512	3	61	72	none	13	35	none
WS7214	9297301428	4019 Fautleroy Way Southwest	2	1	40	491	3	61	72	none	14	35	none
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	1011	0	23	72	none	<0	35	none
WS5023	952007660	4530 38th Avenue Southwest	3	1	30	614	0	27	78	none	2	40	none
WS6347	952006260	4500 California Avenue Southwest	3	1	30	560	3	31	78	none	6	40	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-21. Summary of Vibration Analysis – Preferred Medium Tunnel 41st Avenue Station West Entrance Station Option (WSJ-5b)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	25	513	0	27	72	none	2	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	25	497	0	27	72	none	3	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	25	435	0	28	72	none	4	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	25	430	0	28	72	none	5	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	25	429	0	28	72	none	5	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	25	421	0	29	72	none	5	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	25	422	0	29	72	none	5	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	25	421	0	29	72	none	5	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	25	438	0	28	72	none	4	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	25	432	0	28	72	none	4	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	25	426	0	28	72	none	5	35	none
WS2128	7579201215	4811b 42nd Avenue Southwest	2	1	25	415	0	29	72	none	5	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	25	497	0	27	72	none	3	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	25	533	0	27	72	none	2	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	25	530	0	27	72	none	2	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	25	528	0	27	72	none	2	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	25	530	0	27	72	none	2	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	25	503	0	27	72	none	3	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	25	368	0	30	72	none	6	35	none
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	25	383	0	29	72	none	6	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	25	263	0	32	72	none	11	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	25	176	0	36	72	none	17	35	none
WS6190	7624700006	4111 Southwest Hudson Street	2	1	25	146	0	39	72	none	21	35	none
WS6192	7624700005	4101 Southwest Hudson Street	2	1	25	131	0	41	72	none	23	35	none
WS6191	7624700010	5007 41st Avenue Southwest	2	4	25	167	0	37	72	none	18	35	none
WS6187	7624700015	5011 41st Avenue Southwest	2	2	25	204	0	35	72	none	15	35	none
WS6186	7624700020	5017 41st Avenue Southwest	2	2	25	251	0	33	72	none	12	35	none
WS6185	7624700025	5021 41st Avenue Southwest	2	2	25	296	0	31	72	none	9	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	25	341	0	30	72	none	7	35	none
WS6200	1297300100	5022 41st Avenue Southwest	2	2	25	297	0	31	72	none	9	35	none
WS6197	1297300095	5028 41st Avenue Southwest	2	1	25	337	0	30	72	none	8	35	none
WS6203	1297300115	5006 41st Avenue Southwest	2	1	25	170	0	36	72	none	18	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	25	185	0	35	72	none	17	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	25	248	0	33	72	none	12	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6202	1297300110	5012 41st Avenue Southwest	2	1	25	206	0	34	72	none	15	35	none
WS6260	6126601010	4800 40th Avenue Southwest	3	1	25	461	0	28	78	none	4	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	25	463	0	28	78	none	4	40	none
WS2296	952005960	4456 42nd Avenue Southwest	3	1	30	310	3	36	78	none	13	40	none
WS2296	952005960	4456 42nd Avenue Southwest	3	1	30	403	3	34	78	none	10	40	none
WS2298	952005890	4400 42nd Avenue Southwest	3	1	30	661	3	30	78	none	5	40	none
WS6623	952002655	4100 Southwest Genesee Street	3	1	30	707	3	29	78	none	4	40	none
WS5135	952007350	4500 39th Avenue Southwest	3	1	30	331	0	33	78	none	10	40	none
WS2192	7579200905	4847 41st Avenue Southwest	2	1	25	118	0	43	72	none	24	35	none
WS2190	7579200895	4853 41st Avenue Southwest	2	1	25	118	0	43	72	none	25	35	none
WS2188	7579200885	4857 41st Avenue Southwest	2	1	25	117	0	43	72	none	25	35	none
WS2194	7579200915	4843 41st Avenue Southwest	2	4	25	116	0	43	72	none	25	35	none
WS2196	7579200925	4837 41st Avenue Southwest	2	2	25	115	0	43	72	none	25	35	none
WS2204	7579200965	4815 41st Avenue Southwest	2	2	25	104	10	55	72	none	37	35	2
WS2210	7579200999	4803 41st Avenue Southwest	2	4	25	90	10	58	72	none	40	35	5
WS2212	7579200998	4801 41st Avenue Southwest	2	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	25	124	5	47	72	none	29	35	none
WS2208	7579200985	4807 41st Avenue Southwest	2	1	25	102	10	55	72	none	37	35	2
WS2206	7579200975	4811 41st Avenue Southwest	2	1	25	106	10	55	72	none	37	35	2
WS2202	7579200955	4823 41st Avenue Southwest	2	1	25	104	5	50	72	none	32	35	none
WS2200	7579200945	4827 41st Avenue Southwest	2	1	25	108	5	49	72	none	31	35	none
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	25	277	0	32	72	none	10	35	none
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	25	276	0	32	72	none	10	35	none
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	25	220	0	34	72	none	14	35	none
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	25	276	0	32	72	none	10	35	none
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	25	258	0	33	72	none	11	35	none
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	25	259	0	33	72	none	11	35	none
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	25	250	0	33	72	none	12	35	none
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	25	269	0	32	72	none	11	35	none
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	25	249	0	33	72	none	12	35	none
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	25	258	0	33	72	none	11	35	none
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	25	255	0	33	72	none	12	35	none
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	25	260	0	33	72	none	11	35	none
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	25	252	0	33	72	none	12	35	none
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	25	252	0	33	72	none	12	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	25	361	0	30	72	none	7	35	none
WS5020	6126600300	4727 38th Avenue Southwest	2	1	25	886	0	22	72	none	<0	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	25	883	0	22	72	none	<0	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	25	853	0	23	72	none	<0	35	none
WS5023	952007660	4530 38th Avenue Southwest	2	120	30	609	0	28	72	none	3	35	none
WS1040	952007600	4520 Fauntleroy Way Southwest	2	1	30	515	0	29	72	none	4	35	none
WS5062	952007845	4515 36th Avenue Southwest	3	1	30	403	0	31	78	none	7	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	30	231	3	57	72	none	25	35	none
WS5150	9297302035	3279 Southwest Avalon Way	2	1	30	352	0	52	72	none	18	35	none
WS5151	9297302030	3275 Southwest Avalon Way	2	1	30	375	0	52	72	none	18	35	none
WS5147	9297302040	3281 Southwest Avalon Way	2	1	30	321	0	52	72	none	19	35	none
WS5152	9297302031	3273b Southwest Avalon Way	2	4	30	408	0	52	72	none	17	35	none
WS81400	321050000	3271 Southwest Avalon Way	2	24	30	394	0	52	72	none	17	35	none
WS81400	321050000	3271 Southwest Avalon Way	2	80	30	423	0	52	72	none	17	35	none
WS5164	9297301976	3233 Southwest Avalon Way	2	48	30	558	0	52	72	none	14	35	none
WS81500	4458770000	3221 Southwest Avalon Way	2	64	30	650	0	47	72	none	5	35	none
WS5167	9297301930	3211 Southwest Avalon Way	2	16	30	659	3	50	72	none	8	35	none
WS1094	9297301925	3201 Southwest Avalon Way	2	16	30	619	3	50	72	none	8	35	none
WS61000	8644250000	3202 Southwest Avalon Way	2	20	30	511	3	50	72	none	10	35	none
WS60900	7809670000	3210 Southwest Avalon Way	2	20	30	470	0	47	72	none	8	35	none
WS2422	9297301885	3230 Southwest Avalon Way	2	40	30	445	0	48	72	none	8	35	none
WS2420	9297301880	3236 Southwest Avalon Way	2	30	30	394	0	48	72	none	9	35	none
WS2418	9297301865	3246 Southwest Avalon Way	2	10	30	335	0	52	72	none	19	35	none
WS2416	9297301855	3250 Southwest Avalon Way	2	30	30	291	0	52	72	none	20	35	none
WS60800	321000000	3256 Southwest Avalon Way	2	32	30	232	0	54	72	none	22	35	none
WS2410	9297301835	3268 Southwest Avalon Way	2	18	30	191	0	56	72	none	24	35	none
WS81600	321500000	3112 Southwest Avalon Way	2	16	30	427	3	51	72	none	11	35	none
WS61100	9306000000	3120 Southwest Avalon Way	2	20	30	438	3	51	72	none	11	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	30	335	3	51	72	none	14	35	none
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	30	290	3	51	72	none	15	35	none
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	30	264	3	51	72	none	16	35	none
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	30	247	3	51	72	none	17	35	none
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	30	238	3	51	72	none	17	35	none
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	30	235	3	51	72	none	17	35	none
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	30	231	3	51	72	none	17	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	30	232	3	51	72	none	17	35	none
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	30	239	3	51	72	none	17	35	none
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	30	246	3	51	72	none	17	35	none
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	40	287	0	59	72	none	16	35	none
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	30	118	3	52	72	none	24	35	none
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	30	107	3	53	72	none	26	35	none
WS5193	9297301230	3200 Southwest Genesee Street	2	1	30	164	0	49	72	none	18	35	none
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	30	137	3	52	72	none	23	35	none
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	30	117	3	52	72	none	25	35	none
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	30	110	3	53	72	none	25	35	none
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	30	97	3	54	72	none	27	35	none
WS1090	9297301751	3119 Southwest Genesee Street	2	1	30	366	0	48	72	none	10	35	none
WS1088	9297301750	3127 Southwest Genesee Street	2	1	30	321	0	48	72	none	11	35	none
WS1086	9297301755	3201 Southwest Genesee Street	2	1	30	286	0	48	72	none	12	35	none
WS1084	9297301760	3205 Southwest Genesee Street	2	1	30	262	0	48	72	none	13	35	none
WS1082	9297301765	3211 Southwest Genesee Street	2	1	30	238	0	48	72	none	14	35	none
WS7027	952004035	4146 36th Avenue Southwest	2	1	30	204	3	58	72	none	26	35	none
WS3006	952003915	3600 Southwest Genesee Street	2	8	30	230	3	57	72	none	25	35	none
WS7000	952003805	4158 37th Avenue Southwest	2	1	30	256	0	53	72	none	21	35	none
WS7002	952003795	4150 37th Avenue Southwest	2	1	30	316	0	52	72	none	19	35	none
WS6697	952003685	4155 37th Avenue Southwest	2	1	30	297	0	33	72	none	11	35	none
WS6700	952003676	4151 37th Avenue Southwest	2	1	30	346	0	32	72	none	9	35	none
WS6687	952003565	4156 38th Avenue Southwest	2	1	30	345	0	32	72	none	9	35	none
WS6690	952003555	4152 38th Avenue Southwest	2	1	30	393	0	31	72	none	7	35	none
WS6676	952003445	4157 38th Avenue Southwest	2	1	30	385	0	31	72	none	8	35	none
WS6677	952003435	4155 38th Avenue Southwest	2	1	30	420	0	31	72	none	7	35	none
WS6665	952003295	4156 39th Avenue Southwest	2	1	30	443	0	30	72	none	6	35	none
WS6680	952003425	4149 38th Avenue Southwest	2	1	30	456	0	30	72	none	6	35	none
WS6666	952003285	4150 39th Avenue Southwest	2	2	30	477	0	30	72	none	5	35	none
WS2400	952004705	4403 37th Avenue Southwest	2	1	30	205	0	38	72	none	16	35	none
WS2398	952004715	4407 37th Avenue Southwest	2	1	30	167	0	42	72	none	20	35	none
WS6590	952004725	4413 37th Avenue Southwest	2	1	30	122	0	47	72	none	25	35	none
WS6587	952004735	4417 37th Avenue Southwest	2	1	30	86	0	53	72	none	32	35	none
WS6586	952004745	4421 37th Avenue Southwest	2	1	30	57	0	64	72	none	39	35	4
WS6585	952004755	4427 37th Avenue Southwest	2	1	30	62	0	61	72	none	38	35	3

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5145	952004765	4431 37th Avenue Southwest	2	16	30	101	0	50	72	none	29	35	none
WS2396	952004820	4402 38th Avenue Southwest	2	1	30	246	0	35	72	none	14	35	none
WS2394	952004830	4406 38th Avenue Southwest	2	1	30	207	0	38	72	none	16	35	none
WS2392	952004840	4412 38th Avenue Southwest	2	1	30	164	0	42	72	none	20	35	none
WS6584	952004850	4416 38th Avenue Southwest	2	1	30	131	0	46	72	none	24	35	none
WS6583	952004860	4420 38th Avenue Southwest	2	1	30	95	0	51	72	none	30	35	none
WS6582	952004865	4422 38th Avenue Southwest	2	1	30	79	0	54	72	none	33	35	none
WS6581	952004875	4426 38th Avenue Southwest	2	1	30	68	0	58	72	none	36	35	1
WS6580	952004885	4432 38th Avenue Southwest	2	1	30	69	0	57	72	none	36	35	<1
WS5144	952004895	4436 38th Avenue Southwest	2	1	30	93	0	52	72	none	30	35	none
WS5142	952004915	4446 38th Avenue Southwest	2	1	30	154	0	43	72	none	21	35	none
WS5143	952004905	4442 38th Avenue Southwest	2	2	30	126	0	46	72	none	25	35	none
WS5137	952004935	4450 38th Avenue Southwest	2	2	30	257	0	35	72	none	13	35	none
WS5140	952004930	3718 Southwest Oregon Street	2	2	30	254	0	35	72	none	13	35	none
WS5141	952004925	3714 Southwest Oregon Street	2	3	30	260	0	35	72	none	13	35	none
WS6570	952005095	4457 38th Avenue Southwest	2	1	30	218	0	37	72	none	16	35	none
WS6571	952005085	4453 38th Avenue Southwest	2	1	30	175	0	41	72	none	19	35	none
WS6572	952005075	4451 38th Avenue Southwest	2	1	30	144	0	44	72	none	22	35	none
WS6573	952005065	4441 38th Avenue Southwest	2	1	30	110	0	49	72	none	27	35	none
WS6574	952005055	4437 38th Avenue Southwest	2	1	30	84	0	54	72	none	32	35	none
WS6575	952005045	4433 38th Avenue Southwest	2	1	30	83	0	54	72	none	32	35	none
WS6576	952005035	4427 38th Avenue Southwest	2	1	30	95	0	51	72	none	30	35	none
WS6577	952005025	4423 38th Avenue Southwest	2	1	30	131	0	46	72	none	24	35	none
WS2384	952005015	4417 38th Avenue Southwest	2	1	30	158	0	43	72	none	21	35	none
WS2386	952005000	4411 38th Avenue Southwest	2	1	30	201	0	38	72	none	17	35	none
WS2388	952004995	4407 38th Avenue Southwest	2	1	30	254	0	35	72	none	13	35	none
WS2390	952004985	4403 38th Avenue Southwest	2	1	30	291	0	34	72	none	11	35	none
WS2382	952005105	4402 39th Avenue Southwest	2	1	30	326	0	33	72	none	10	35	none
WS2380	952005115	4406 39th Avenue Southwest	2	1	30	278	0	34	72	none	12	35	none
WS6567	952005145	4420 39th Avenue Southwest	2	1	30	161	0	42	72	none	20	35	none
WS6566	952005155	4424 39th Avenue Southwest	2	1	30	138	0	45	72	none	23	35	none
WS6565	952005160	4428 39th Avenue Southwest	2	1	30	121	0	47	72	none	25	35	none
WS6564	952005165	4434 39th Avenue Southwest	2	1	30	108	0	49	72	none	28	35	none
WS6563	952005185	4436 39th Avenue Southwest	2	1	30	97	0	51	72	none	29	35	none
WS6562	952005195	4440 39th Avenue Southwest	2	1	30	98	0	51	72	none	29	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6561	952005200	4442 39th Avenue Southwest	2	1	30	99	0	51	72	none	29	35	none
WS6560	952005205	4446 39th Avenue Southwest	2	1	30	112	0	48	72	none	27	35	none
WS6557	952005215	4448 39th Avenue Southwest	2	1	30	133	0	45	72	none	24	35	none
WS6555	952005224	4452 39th Avenue Southwest	2	1	30	168	0	41	72	none	20	35	none
WS6554	952005249	4456 39th Avenue Southwest	2	1	30	199	0	38	72	none	17	35	none
WS2378	952005125	4414 39th Avenue Southwest	2	2	30	260	0	35	72	none	13	35	none
WS2376	952005135	4416 39th Avenue Southwest	2	2	30	214	0	37	72	none	16	35	none
WS2374	952005270	4403 39th Avenue Southwest	2	1	30	374	0	32	72	none	8	35	none
WS2372	952005280	4409 39th Avenue Southwest	2	2	30	331	0	33	72	none	10	35	none
WS6553	952005290	4413 39th Avenue Southwest	2	1	30	284	0	34	72	none	12	35	none
WS2370	952005300	4417 39th Avenue Southwest	2	1	30	249	0	35	72	none	14	35	none
WS2368	952005305	4421 39th Avenue Southwest	2	1	30	211	0	37	72	none	16	35	none
WS2366	952005320	4427 39th Avenue Southwest	2	1	30	173	0	41	72	none	19	35	none
WS6552	952005330	4433 39th Avenue Southwest	2	1	30	116	0	48	72	none	26	35	none
WS6551	952005340	4437 39th Avenue Southwest	2	1	30	101	0	50	72	none	29	35	none
WS6547	952005359	4447 39th Avenue Southwest	2	1	30	88	0	53	72	none	31	35	none
WS6546	952005370	4451 39th Avenue Southwest	2	1	30	113	0	48	72	none	27	35	none
WS6545	952005380	4457 39th Avenue Southwest	2	1	30	151	0	43	72	none	22	35	none
WS6550	952005349	4441 39th Avenue Southwest	2	2	30	88	0	53	72	none	31	35	none
WS6655	952003175	4157 39th Avenue Southwest	2	1	30	507	0	29	72	none	4	35	none
WS6656	952003165	4153 39th Avenue Southwest	2	1	30	547	0	28	72	none	4	35	none
WS6645	952003055	4156 40th Avenue Southwest	2	1	30	515	0	29	72	none	4	35	none
WS6646	952003045	4150 40th Avenue Southwest	2	1	30	563	0	28	72	none	3	35	none
WS6635	952002935	4010 Southwest Genesee Street	2	1	30	555	3	31	72	none	6	35	none
WS2364	952005390	4402 40th Avenue Southwest	2	1	30	409	0	31	72	none	7	35	none
WS2362	952005400	4414 40th Avenue Southwest	2	1	30	345	0	32	72	none	9	35	none
WS6544	952005415	4416c 40th Avenue Southwest	2	1	30	313	3	36	72	none	13	35	none
WS6543	952005425	4418 40th Avenue Southwest	2	1	30	251	0	35	72	none	13	35	none
WS2360	952005435	4422 40th Avenue Southwest	2	1	30	223	3	40	72	none	18	35	none
WS2356	952005445	4426 40th Avenue Southwest	2	1	30	198	3	42	72	none	20	35	none
WS2354	952005460	4432 40th Avenue Southwest	2	1	30	128	3	49	72	none	27	35	none
WS6542	952005470	4438 40th Avenue Southwest	2	1	30	102	3	53	72	none	31	35	none
WS6541	952005480	4442 40th Avenue Southwest	2	1	30	84	3	57	72	none	35	35	<1
WS6540	952005490	4446 40th Avenue Southwest	2	1	30	83	3	57	72	none	35	35	<1
WS6537	952005500	4452 40th Avenue Southwest	2	1	30	77	3	58	72	none	37	35	2

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6536	952005510	4456 40th Avenue Southwest	2	1	30	87	3	56	72	none	35	35	<1
WS2330	952005630	4457 40th Avenue Southwest	2	1	30	74	3	59	72	none	38	35	3
WS2332	952005620	4453 40th Avenue Southwest	2	1	30	72	3	59	72	none	38	35	3
WS2334	952005610	4449 40th Avenue Southwest	2	1	30	98	3	54	72	none	32	35	none
WS2336	952005600	4441 40th Avenue Southwest	2	1	30	121	3	50	72	none	28	35	none
WS2338	952005590	4437 40th Avenue Southwest	2	1	30	147	3	47	72	none	25	35	none
WS6532	952005580	4433 40th Avenue Southwest	2	1	30	183	3	43	72	none	21	35	none
WS6533	952005570	4429 40th Avenue Southwest	2	1	30	230	3	39	72	none	18	35	none
WS2340	952005560	4421 40th Avenue Southwest	2	1	30	267	3	37	72	none	16	35	none
WS2342	952005550	4415 40th Avenue Southwest	2	1	30	321	3	36	72	none	13	35	none
WS2344	952005545	4413 40th Avenue Southwest	2	1	30	336	3	35	72	none	12	35	none
WS2346	952005540	4411 40th Avenue Southwest	2	1	30	357	3	35	72	none	12	35	none
WS2348	952005535	4409 40th Avenue Southwest	2	1	30	381	3	34	72	none	11	35	none
WS6534	952005530	4407 40th Avenue Southwest	2	1	30	402	3	34	72	none	10	35	none
WS2350	952005525	4405 40th Avenue Southwest	2	1	30	425	3	33	72	none	10	35	none
WS2352	952005520	4403 40th Avenue Southwest	2	1	30	447	3	33	72	none	9	35	none
WS6535	952005515	4401 40th Avenue Southwest	2	1	30	471	3	33	72	none	8	35	none
WS2326	952005680	4424 41st Avenue Southwest	2	1	30	357	3	35	72	none	12	35	none
WS2324	952005690	4426 41st Avenue Southwest	2	1	30	331	3	36	72	none	13	35	none
WS2322	952005695	4430 41st Avenue Southwest	2	1	30	312	3	36	72	none	13	35	none
WS6531	952005670	4434 41st Avenue Southwest	2	1	30	282	3	37	72	none	15	35	none
WS6530	952005719	4436 41st Avenue Southwest	2	1	30	260	3	38	72	none	16	35	none
WS6527	952005737	4440 41st Avenue Southwest	2	1	30	228	3	39	72	none	18	35	none
WS6526	952005741	4446 41st Avenue Southwest	2	1	30	165	3	45	72	none	23	35	none
WS2320	952005750	4452 41st Avenue Southwest	2	1	30	126	3	49	72	none	28	35	none
WS2318	952005760	4456 41st Avenue Southwest	2	1	30	100	3	54	72	none	32	35	none
WS6524	952005826	4431b 41st Avenue Southwest	2	4	30	373	3	35	72	none	11	35	none
WS6522	952005827	4429b 41st Avenue Southwest	2	4	30	418	3	34	72	none	10	35	none
WS2314	952005840	4437a 41st Avenue Southwest	2	2	30	351	3	35	72	none	12	35	none
WS2312	952005841	4437b 41st Avenue Southwest	2	2	30	338	3	35	72	none	12	35	none
WS2310	952005842	4437c 41st Avenue Southwest	2	2	30	330	3	36	72	none	13	35	none
WS2308	952005843	4437d 41st Avenue Southwest	2	2	30	318	3	36	72	none	13	35	none
WS6517	952005832	4441b 41st Avenue Southwest	2	2	30	359	3	35	72	none	12	35	none
WS6520	952005831	4441a 41st Avenue Southwest	2	2	30	370	3	35	72	none	11	35	none
WS6521	952005830	4439 41st Avenue Southwest	2	2	30	391	3	34	72	none	11	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6516	952005860	4449b 41st Avenue Southwest	2	3	30	267	3	37	72	none	16	35	none
WS6515	952005861	4449a 41st Avenue Southwest	2	3	30	288	3	37	72	none	14	35	none
WS2302	952005862	4447b 41st Avenue Southwest	2	3	30	305	3	36	72	none	14	35	none
WS2304	952005863	4447a 41st Avenue Southwest	2	3	30	316	3	36	72	none	13	35	none
WS2306	952005850	4443 41st Avenue Southwest	2	1	30	313	3	36	72	none	13	35	none
WS6367	952006630	4501 41st Avenue Southwest	2	3	30	180	3	43	72	none	22	35	none
WS6366	952006631	4503 41st Avenue Southwest	2	3	30	175	3	44	72	none	22	35	none
WS6362	952006632	4505 41st Avenue Southwest	2	3	30	170	3	44	72	none	23	35	none
WS6360	952006633	4507 41st Avenue Southwest	2	3	30	167	3	45	72	none	23	35	none
WS6364	952006635	4113 Southwest Oregon Street	2	6	30	234	3	39	72	none	17	35	none
WS6354	952006638	4109 Southwest Oregon Street	2	6	30	219	3	40	72	none	18	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	30	490	3	32	72	none	8	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	30	359	0	32	72	none	9	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	40	30	360	3	35	72	none	12	35	none
WS5102	952007165	4538 40th Avenue Southwest	2	1	30	367	3	35	72	none	11	35	none
WS5106	952007152	4536b 40th Avenue Southwest	2	6	30	419	3	34	72	none	10	35	none
WS5104	952007150	4534b 40th Avenue Southwest	2	6	30	366	3	35	72	none	11	35	none
WS5110	952007141	4530b 40th Avenue Southwest	2	6	30	405	3	34	72	none	10	35	none
WS5107	952007137	4530d 40th Avenue Southwest	2	6	30	360	3	35	72	none	12	35	none
WS5113	952007125	4526 40th Avenue Southwest	2	1	30	337	3	35	72	none	12	35	none
WS5114	952007120	4522 40th Avenue Southwest	2	1	30	308	3	36	72	none	14	35	none
WS5115	952007105	4518 40th Avenue Southwest	2	3	30	264	3	37	72	none	16	35	none
WS5116	952007090	4514 40th Avenue Southwest	2	1	30	239	3	38	72	none	17	35	none
WS5122	952007080	4508 40th Avenue Southwest	2	1	30	210	3	41	72	none	19	35	none
WS5125	952007065	4506 40th Avenue Southwest	2	1	30	186	3	43	72	none	21	35	none
WS5130	952007055	3955 Southwest Oregon Street	2	6	30	169	3	44	72	none	23	35	none
WS5132	952007057	3951 Southwest Oregon Street	2	6	30	195	3	42	72	none	20	35	none
WS5127	952007069	4506a 40th Avenue Southwest	2	4	30	203	3	41	72	none	20	35	none
WS5124	952007082	4510a 40th Avenue Southwest	2	4	30	232	3	39	72	none	18	35	none
WS5117	952007091	4512a 40th Avenue Southwest	2	6	30	270	3	37	72	none	15	35	none
WS6396	952006905	4503 40th Avenue Southwest	2	1	30	98	3	54	72	none	32	35	none
WS6395	952006915	4507 40th Avenue Southwest	2	1	30	131	3	49	72	none	27	35	none
WS6394	952006925	4511 40th Avenue Southwest	2	1	30	152	3	46	72	none	24	35	none
WS3004	952006906	4505a 40th Avenue Southwest	2	4	30	75	3	59	72	none	37	35	2
WS3002	952006907	4505b 40th Avenue Southwest	2	See WS3004	See WS3004	See WS3004	See WS3004	See WS3004	See WS3004	See WS3004	See WS3004	See WS3004	See WS3004

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6385	952006916	4505c 40th Avenue Southwest	2	4	30	80	3	57	72	none	36	35	1
WS6384	952006917	4505d 40th Avenue Southwest	2	See WS6385	See WS6385	See WS6385	See WS6385	See WS6385	See WS6385	See WS6385	See WS6385	See WS6385	See WS6385
WS6382	952006929	4513b 40th Avenue Southwest	2	6	30	122	3	50	72	none	28	35	none
WS6381	952006935	4517 40th Avenue Southwest	2	4	30	137	3	48	72	none	26	35	none
WS6380	952006939	4521a 40th Avenue Southwest	2	6	30	134	3	48	72	none	27	35	none
WS6393	952006941	4523a 40th Avenue Southwest	2	6	30	173	3	44	72	none	22	35	none
WS6376	952006953	4529a 40th Avenue Southwest	2	4	30	148	3	47	72	none	25	35	none
WS6391	952006957	4527a 40th Avenue Southwest	2	4	30	192	3	42	72	none	21	35	none
WS6374	952006961	4533a 40th Avenue Southwest	2	4	30	162	3	45	72	none	23	35	none
WS6370	952006979	4539b 40th Avenue Southwest	2	4	30	193	3	42	72	none	20	35	none
WS6387	952006965	4531 40th Avenue Southwest	2	2	30	210	3	41	72	none	19	35	none
WS6386	952006975	4537 40th Avenue Southwest	2	2	30	235	3	39	72	none	17	35	none
WS5096	952006989	4543b 40th Avenue Southwest	2	3	30	193	3	42	72	none	20	35	none
WS5101	952006985	4541 40th Avenue Southwest	2	2	30	241	3	38	72	none	17	35	none
WS5094	952006999	4547b 40th Avenue Southwest	2	3	30	193	0	39	72	none	17	35	none
WS5100	952006995	4545 40th Avenue Southwest	2	2	30	235	0	36	72	none	14	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	30	82	0	54	72	none	33	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	100	30	273	0	34	72	none	12	35	none
WS2254	952006855	4536 41st Avenue Southwest	2	1	30	82	3	57	72	none	36	35	<1
WS2262	952006845	4532 41st Avenue Southwest	2	1	30	87	3	56	72	none	34	35	none
WS2280	952006815	4520a 41st Avenue Southwest	2	5	30	77	3	58	72	none	37	35	2
WS7582	952006817	4520c 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7583	952006816	4520b 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7584	952006813	418a 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7585	952006814	418b 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS2282	952006805	4514 41st Avenue Southwest	2	1	30	81	3	57	72	none	36	35	<1
WS2284	952006795	4512 41st Avenue Southwest	2	1	30	78	3	58	72	none	37	35	2
WS2286	952006789	4504 41st Avenue Southwest	2	3	30	76	3	58	72	none	37	35	2
WS2288	952006787	4502 41st Avenue Southwest	2	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286
WS2292	952006785	4508 41st Avenue Southwest		See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286
WS2290	952006775	4019 Southwest Oregon Street	2	2	30	75	3	59	72	none	37	35	2
WS2272	952006838	4528b 41st Avenue Southwest	2	8	30	109	3	52	72	none	30	35	none
WS2264	952006836	4526b 41st Avenue Southwest	2	8	30	78	3	58	72	none	37	35	2
WS2266	952006835	4526a 41st Avenue Southwest	2	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264
WS2268	952006823	4522b 41st Avenue Southwest	2	4	30	77	3	58	72	none	37	35	2

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2270	952006821	4522a 41st Avenue Southwest	2	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268
WS2276	952006825	4524b 41st Avenue Southwest	2	4	30	103	3	53	72	none	31	35	none
WS2256	952006861	4538c 41st Avenue Southwest	2	6	30	104	3	53	72	none	31	35	none
WS2246	952006700	4525 41st Avenue Southwest	2	48	30	95	3	54	72	none	33	35	none
WS2186	952006510	4502 42nd Avenue Southwest	2	96	30	298	3	36	72	none	14	35	none
WS2176	952006560	4526 42nd Avenue Southwest	2	1	30	265	3	37	72	none	16	35	none
WS2174	952006565	4532 42nd Avenue Southwest	2	32	30	276	3	37	72	none	15	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	30	127	3	49	72	none	28	35	none
WS5086	952006718	4533c 41st Avenue Southwest	2	3	30	131	3	49	72	none	27	35	none
WS5083	952006728	4535c 41st Avenue Southwest	2	3	30	128	3	49	72	none	27	35	none
WS2242	952006715	4531 41st Avenue Southwest	2	2	30	99	3	54	72	none	32	35	none
WS2240	952006725	4537 41st Avenue Southwest	2	2	30	98	3	54	72	none	32	35	none
WS60300	2607870000	4752 41st Avenue Southwest	2	36	25	83	10	61	72	none	41	35	6
WS2238	7579200295	4744 41st Avenue Southwest	2	48	25	80	10	62	72	none	42	35	7
WS2238	7579200295	4744 41st Avenue Southwest	2	48	25	76	10	64	72	none	43	35	8
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	25	365	0	30	72	none	7	35	none
WS2162	952006465	4545 42nd Avenue Southwest	2	64	30	377	0	31	72	none	8	35	none
WS6351	952006385	4505 42nd Avenue Southwest	2	36	30	424	3	34	72	none	10	35	none
WS5222	9297300935	3104b Southwest Avalon Way	2	1	30	447	3	51	72	none	11	35	none
WS5224	9297300930	not available	2	3	30	443	3	51	72	none	11	35	none
WS5225	9297300925	3078e Southwest Avalon Way	2	3	30	444	3	51	72	none	11	35	none
WS5226	9297300920	3074 Southwest Avalon Way	2	3	40	444	0	58	72	none	12	35	none
WS5246	9297300898	3070b Southwest Avalon Way	2	12	40	460	0	58	72	none	11	35	none
WS5250	9297300902	3062b Southwest Avalon Way	2	12	40	476	3	61	72	none	14	35	none
WS5252	9297300895	3060 Southwest Avalon Way	2	12	40	491	3	61	72	none	14	35	none
WS7196	9297300885	3050 Southwest Avalon Way	2	36	40	543	3	61	72	none	13	35	none
WS7121	9297300875	3046 Southwest Avalon Way	2	12	40	577	3	61	72	none	12	35	none
WS7122	9297300870	3040 Southwest Avalon Way	2	6	40	615	3	61	72	none	12	35	none
WS5256	9297300725	3039 Southwest Avalon Way	2	1	40	587	3	61	72	none	12	35	none
WS5254	9297300745	3051 Southwest Avalon Way	2	1	40	563	0	58	72	none	10	35	none
WS5253	9297300750	3055 Southwest Avalon Way	2	1	40	557	0	58	72	none	10	35	none
WS5255	9297300740	3047 Southwest Avalon Way	2	2	40	584	0	58	72	none	9	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	24	40	721	3	61	72	none	10	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	24	30	589	3	50	72	none	9	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	18	30	572	3	50	72	none	9	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS1096	9297300765	3101 Southwest Avalon Way	2	12	30	706	3	50	72	none	7	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	30	30	796	3	50	72	none	6	35	none
WS1102	9358002340	4316 30th Avenue Southwest	2	6	40	912	0	58	72	none	5	35	none
WS1104	9358002350	2852 Southwest Genesee Street	2	2	40	955	0	57	72	none	5	35	none
WS1106	9358002351	2850 Southwest Genesee Street	2	2	40	993	0	57	72	none	5	35	none
WS1110	9358002365	2842 Southwest Genesee Street	2	2	40	1028	0	57	72	none	4	35	none
WS5263	9358002308	2851 Southwest Nevada Street	2	3	40	966	3	60	72	none	8	35	none
WS5264	9358002305	2853 Southwest Nevada Street	2	3	40	953	3	60	72	none	8	35	none
WS5262	9358002320	2855 Southwest Nevada Street	2	4	40	928	3	60	72	none	8	35	none
WS5261	9358002330	4302 30th Avenue Southwest	2	2	40	887	3	61	72	none	9	35	none
WS1030	952007545	4550 Fauntleroy Way Southwest	3	1	30	758	0	26	78	none	0	40	none
WS7114	9297301155	4049 32nd Avenue Southwest	2	2	40	363	3	62	72	none	17	35	none
WS7154	9297301170	4105 32nd Avenue Southwest	2	2	40	234	0	59	72	none	18	35	none
WS7221	9297301455	4039 Fauntleroy Way Southwest	2	2	40	281	0	59	72	none	16	35	none
WS7222	9297301460	4043 Fauntleroy Way Southwest	2	2	40	249	0	59	72	none	17	35	none
WS7223	9297301465	4101 Fauntleroy Way Southwest	2	2	30	214	3	52	72	none	18	35	none
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	2	40	423	3	61	72	none	15	35	none
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	40	545	3	61	72	none	13	35	none
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	40	507	3	61	72	none	14	35	none
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	40	471	3	61	72	none	14	35	none
WS5203	9297301180	4115 32nd Avenue Southwest	2	1	30	157	3	52	72	none	21	35	none
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	30	132	3	52	72	none	23	35	none
WS7116	9297301145	4039 32nd Avenue Southwest	2	1	40	442	3	61	72	none	15	35	none
WS7115	9297301150	4045 32nd Avenue Southwest	2	1	40	403	3	62	72	none	16	35	none
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	40	204	0	59	72	none	19	35	none
WS7153	9297301165	4055 32nd Avenue Southwest	2	1	40	283	3	62	72	none	19	35	none
WS7213	9297301160	4051 32nd Avenue Southwest	2	1	40	331	3	62	72	none	18	35	none
WS7152	9297301135	4035 32nd Avenue Southwest	2	1	40	489	3	61	72	none	14	35	none
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	40	280	0	59	72	none	16	35	none
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	40	312	3	62	72	none	18	35	none
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	40	343	3	62	72	none	17	35	none
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	40	372	3	62	72	none	16	35	none
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	40	403	3	62	72	none	16	35	none
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	40	462	3	61	72	none	14	35	none
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	40	387	3	62	72	none	16	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	40	316	0	59	72	none	15	35	none
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	30	196	3	52	72	none	19	35	none
WS7392	9297301475	4107 Fauntleroy Way Southwest	2	1	30	190	3	52	72	none	19	35	none
WS7393	9297301480	4115 Fauntleroy Way Southwest	2	1	30	194	3	52	72	none	19	35	none
WS7215	9297301430	4023 Fauntleroy Way Southwest	2	1	40	454	3	61	72	none	15	35	none
WS6636	952002920	4151 40th Avenue Southwest	2	1	30	607	3	31	72	none	6	35	none
WS6637	952002915	4147 40th Avenue Southwest	2	1	30	642	3	30	72	none	5	35	none
WS6640	952002905	4141 40th Avenue Southwest	2	1	30	698	3	29	72	none	4	35	none
WS6641	952002895	4137 40th Avenue Southwest	2	1	30	746	3	29	72	none	3	35	none
WS6647	952003035	4146 40th Avenue Southwest	2	1	30	608	0	28	72	none	3	35	none
WS6650	952003025	4140 40th Avenue Southwest	2	1	30	654	0	27	72	none	2	35	none
WS6651	952003015	4136 40th Avenue Southwest	2	1	30	705	0	26	72	none	1	35	none
WS6652	952003005	4132 40th Avenue Southwest	2	1	30	748	0	26	72	none	0	35	none
WS6653	952002995	4126 40th Avenue Southwest	2	1	30	794	0	25	72	none	0	35	none
WS6654	952002985	4122 40th Avenue Southwest	2	1	30	835	0	25	72	none	<0	35	none
WS7712	952002975	4116 40th Avenue Southwest	2	1	30	886	0	24	72	none	<0	35	none
WS6657	952003155	4147 39th Avenue Southwest	2	1	30	602	0	28	72	none	3	35	none
WS6660	952003145	4141 39th Avenue Southwest	2	1	30	646	0	27	72	none	2	35	none
WS6661	952003135	4137 39th Avenue Southwest	2	1	30	681	0	27	72	none	1	35	none
WS6662	952003125	4129 39th Avenue Southwest	2	1	30	716	0	26	72	none	1	35	none
WS6663	952003115	4125 39th Avenue Southwest	2	1	30	768	0	26	72	none	0	35	none
WS6664	952003105	4121 39th Avenue Southwest	2	1	30	818	0	25	72	none	<0	35	none
WS7717	952003095	4117 39th Avenue Southwest	2	1	30	861	0	25	72	none	<0	35	none
WS7716	952003090	4111 39th Avenue Southwest	2	1	30	900	0	24	72	none	<0	35	none
WS7715	952003085	4109 39th Avenue Southwest	2	1	30	942	0	24	72	none	<0	35	none
WS7713	952003064	3903 Southwest Dakota Street	2	1	30	989	0	24	72	none	<0	35	none
WS6667	952003275	4146 39th Avenue Southwest	2	1	30	552	0	28	72	none	4	35	none
WS6670	952003265	4142 39th Avenue Southwest	2	1	30	600	0	28	72	none	3	35	none
WS6671	952003255	4136 39th Avenue Southwest	2	1	30	650	0	27	72	none	2	35	none
WS6672	952003245	4132 39th Avenue Southwest	2	1	30	686	0	27	72	none	1	35	none
WS6673	952003240	4128 39th Avenue Southwest	2	1	30	721	0	26	72	none	1	35	none
WS6674	952003230	4124 39th Avenue Southwest	2	1	30	765	0	26	72	none	0	35	none
WS6675	952003220	4118 39th Avenue Southwest	2	1	30	804	0	25	72	none	0	35	none
WS7723	952003210	4114 39th Avenue Southwest	2	1	30	831	0	25	72	none	<0	35	none
WS7722	952003203	4110 39th Avenue Southwest	2	1	30	882	0	24	72	none	<0	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7721	952003188	4104 39th Avenue Southwest	2	1	30	937	0	24	72	none	<0	35	none
WS7720	952003184	3817 Southwest Dakota Street	2	1	30	982	0	24	72	none	<0	35	none
WS7695	952001090	4060 39th Avenue Southwest	2	1	30	1057	0	23	72	none	<0	35	none
WS6683	952003395	4135 38th Avenue Southwest	2	1	30	631	0	27	72	none	2	35	none
WS6684	952003385	4129 38th Avenue Southwest	2	1	30	667	0	27	72	none	2	35	none
WS6685	952003370	4125 38th Avenue Southwest	2	1	30	709	0	26	72	none	1	35	none
WS6686	952003360	4121 38th Avenue Southwest	2	1	30	752	0	26	72	none	0	35	none
WS7730	952003350	4117 38th Avenue Southwest	2	1	30	799	0	25	72	none	0	35	none
WS7727	952003340	4111 38th Avenue Southwest	2	1	30	834	0	25	72	none	<0	35	none
WS7726	952003330	4109 38th Avenue Southwest	2	1	30	861	0	25	72	none	<0	35	none
WS7725	952003315	4107 38th Avenue Southwest	2	1	30	882	0	24	72	none	<0	35	none
WS7724	952003305	4103 38th Avenue Southwest	2	1	30	914	0	24	72	none	<0	35	none
WS7690	952000955	4059 38th Avenue Southwest	2	1	30	1022	0	23	72	none	<0	35	none
WS7687	952000945	4055 38th Avenue Southwest	2	1	30	1066	0	23	72	none	<0	35	none
WS7686	952000935	4051 38th Avenue Southwest	2	1	30	1111	0	23	72	none	<0	35	none
WS7675	952000775	4042 38th Avenue Southwest	2	1	30	1142	0	51	72	none	8	35	none
WS7676	952000780	4046 38th Avenue Southwest	2	1	30	1103	0	51	72	none	8	35	none
WS7677	952000800	4050 38th Avenue Southwest	2	1	30	1068	0	51	72	none	9	35	none
WS7680	952000805	4054 38th Avenue Southwest	2	1	30	1028	0	23	72	none	<0	35	none
WS7681	952000815	3720 Southwest Dakota Street	2	1	30	976	0	24	72	none	<0	35	none
WS7731	952003455	4102 38th Avenue Southwest	2	1	30	888	0	24	72	none	<0	35	none
WS7732	952003459	4106 38th Avenue Southwest	2	1	30	866	0	25	72	none	<0	35	none
WS7733	952003464	4110 38th Avenue Southwest	2	1	30	829	0	25	72	none	<0	35	none
WS7734	952003480	4112 38th Avenue Southwest	2	1	30	791	0	25	72	none	0	35	none
WS7735	952003490	4116 38th Avenue Southwest	2	1	30	752	0	26	72	none	0	35	none
WS6696	952003500	4120 38th Avenue Southwest	2	1	30	712	0	26	72	none	1	35	none
WS7731	952003455	4102 38th Avenue Southwest	2	1	30	885	0	51	72	none	10	35	none
WS6695	952003505	4126 38th Avenue Southwest	2	1	30	667	0	27	72	none	2	35	none
WS6682	952003405	4139 38th Avenue Southwest	2	1	30	585	0	28	72	none	3	35	none
WS6707	952003615	4119 37th Avenue Southwest	2	1	30	696	0	51	72	none	12	35	none
WS6710	952003605	4115 37th Avenue Southwest	2	1	30	737	0	51	72	none	12	35	none
WS7740	952003595	4111 37th Avenue Southwest	2	1	30	775	0	51	72	none	11	35	none
WS7737	952003585	4107 37th Avenue Southwest	2	1	30	830	0	51	72	none	11	35	none
WS7736	952003575	4103 37th Avenue Southwest	2	1	30	867	0	51	72	none	10	35	none
WS7671	952000675	4059 37th Avenue Southwest	2	1	30	939	0	51	72	none	10	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7670	952000665	4055 37th Avenue Southwest	2	1	30	989	0	51	72	none	9	35	none
WS7667	952000650	4049 37th Avenue Southwest	2	1	30	1045	0	51	72	none	9	35	none
WS7666	952000640	4045 37th Avenue Southwest	2	1	30	1091	0	51	72	none	9	35	none
WS7665	952000630	4041 37th Avenue Southwest	2	1	30	1129	0	51	72	none	8	35	none
WS7664	952000620	4037 37th Avenue Southwest	2	1	30	1157	0	51	72	none	8	35	none
WS7013	952003710	4112 37th Avenue Southwest	2	1	30	722	3	54	72	none	15	35	none
WS7742	952003705	4106 37th Avenue Southwest	2	1	30	771	3	54	72	none	14	35	none
WS7741	952003695	3617 Southwest Dakota Street	2	1	30	805	3	54	72	none	14	35	none
WS7661	952000530	4060 37th Avenue Southwest	2	1	30	898	0	51	72	none	10	35	none
WS7660	952000525	3616 Southwest Dakota Street	2	1	30	878	0	51	72	none	10	35	none
WS7657	952000520	4050 37th Avenue Southwest	2	1	30	938	0	51	72	none	10	35	none
WS7656	952000505	4044 37th Avenue Southwest	2	1	30	970	0	51	72	none	10	35	none
WS7655	952000495	4040 37th Avenue Southwest	2	1	30	1004	0	51	72	none	9	35	none
WS7654	952000485	4036 37th Avenue Southwest	2	1	30	1034	0	51	72	none	9	35	none
WS7653	952000475	4032 37th Avenue Southwest	2	1	30	1077	0	51	72	none	9	35	none
WS7743	952003815	4101 36th Avenue Southwest	2	1	30	699	0	51	72	none	12	35	none
WS7744	952003825	4105 36th Avenue Southwest	2	1	30	675	0	51	72	none	13	35	none
WS7647	952000405	4061 36th Avenue Southwest	2	1	30	802	0	51	72	none	11	35	none
WS7646	952000395	4055 36th Avenue Southwest	2	1	30	828	0	51	72	none	11	35	none
WS7645	952000385	4051 36th Avenue Southwest	2	1	30	849	0	51	72	none	11	35	none
WS7644	952000370	4045 36th Avenue Southwest	2	1	30	883	0	51	72	none	10	35	none
WS7643	952000365	4039 36th Avenue Southwest	2	1	30	917	0	51	72	none	10	35	none
WS7642	952000355	4035 36th Avenue Southwest	2	1	30	974	0	51	72	none	10	35	none
WS7641	952000345	4029 36th Avenue Southwest	2	1	30	1015	0	51	72	none	9	35	none
WS7626	952000195	4022 36th Avenue Southwest	2	1	30	939	0	47	72	none	1	35	none
WS7627	952000210	4026 36th Avenue Southwest	2	1	30	916	0	47	72	none	2	35	none
WS7630	952000215	4034 36th Avenue Southwest	2	1	30	866	0	47	72	none	2	35	none
WS7631	952000230	4040 36th Avenue Southwest	2	1	30	815	0	47	72	none	3	35	none
WS7632	952000240	4044 36th Avenue Southwest	2	1	30	778	0	47	72	none	3	35	none
WS7633	952000246	4048 36th Avenue Southwest	2	1	30	755	0	51	72	none	12	35	none
WS7634	952000260	4054 36th Avenue Southwest	2	1	30	740	0	51	72	none	12	35	none
WS7635	952000270	4058 36th Avenue Southwest	2	1	30	705	0	51	72	none	12	35	none
WS7745	952003935	4102 36th Avenue Southwest	2	1	30	609	0	51	72	none	13	35	none
WS7055	952004080	3509 Southwest Dakota Street	2	1	30	543	0	52	72	none	14	35	none
WS7746	952004085	4103 35th Avenue Southwest	2	1	30	514	0	52	72	none	15	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7622	952000135	4059 35th Avenue Southwest	2	1	30	604	0	47	72	none	5	35	none
WS7621	952000125	4055 35th Avenue Southwest	2	1	30	644	0	47	72	none	5	35	none
WS7620	952000115	4049 35th Avenue Southwest	2	1	30	675	0	47	72	none	4	35	none
WS7617	952000105	4045 35th Avenue Southwest	2	1	30	703	0	47	72	none	4	35	none
WS7616	952000095	4041 35th Avenue Southwest	2	1	30	724	0	47	72	none	4	35	none
WS7615	952000085	4035 35th Avenue Southwest	2	1	30	763	3	50	72	none	6	35	none
WS7614	952000075	4029 35th Avenue Southwest	2	1	30	798	3	50	72	none	6	35	none
WS7613	952000065	4025 35th Avenue Southwest	2	1	40	830	0	58	72	none	6	35	none
WS5180	9297301485	4117 Fauntleroy Way Southwest	2	1	30	197	3	52	72	none	19	35	none
WS5177	9297301490	4121 Fauntleroy Way Southwest	2	1	30	190	3	52	72	none	19	35	none
WS5176	9297301495	4127 Fauntleroy Way Southwest	2	1	30	192	0	49	72	none	16	35	none
WS5175	9297301500	4129 Fauntleroy Way Southwest	2	1	30	189	0	49	72	none	16	35	none
WS5174	9297301505	4135 Fauntleroy Way Southwest	2	1	30	190	0	49	72	none	16	35	none
WS5173	9297301510	4137 Fauntleroy Way Southwest	2	1	30	185	0	49	72	none	17	35	none
WS5172	9297301515	4141 Fauntleroy Way Southwest	2	1	30	183	0	49	72	none	17	35	none
WS5171	9297301520	4145 Fauntleroy Way Southwest	2	1	30	181	0	56	72	none	24	35	none
WS5170	9297301525	4147 Fauntleroy Way Southwest	2	1	30	180	0	56	72	none	24	35	none
WS7870	9297301690	4046 35th Avenue Southwest	2	1	30	516	0	47	72	none	7	35	none
WS7871	9297301695	4040 35th Avenue Southwest	2	1	30	552	0	47	72	none	6	35	none
WS7872	9297301700	4036 35th Avenue Southwest	2	1	30	584	0	47	72	none	6	35	none
WS7873	9297301705	4032 35th Avenue Southwest	2	1	30	613	3	50	72	none	8	35	none
WS7874	9297301710	4030 35th Avenue Southwest	2	1	30	615	3	50	72	none	8	35	none
WS7875	9297301715	4026 35th Avenue Southwest	2	1	30	635	3	50	72	none	8	35	none
WS7876	9297301720	4020 35th Avenue Southwest	2	1	40	678	0	58	72	none	8	35	none
WS7877	9297301730	4014 35th Avenue Southwest	2	1	40	714	0	58	72	none	7	35	none
WS7880	9297301735	4010 35th Avenue Southwest	2	1	40	743	0	58	72	none	7	35	none
WS7881	9297301740	4006 35th Avenue Southwest	2	1	40	783	3	61	72	none	10	35	none
WS7864	9297301635	4001 34th Avenue Southwest	2	1	40	738	3	61	72	none	10	35	none
WS7865	9297301640	4005 34th Avenue Southwest	2	1	40	700	3	61	72	none	11	35	none
WS7866	9297301645	4009 34th Avenue Southwest	2	1	40	665	3	61	72	none	11	35	none
WS7867	9297301650	4011 34th Avenue Southwest	2	1	40	632	3	61	72	none	12	35	none
WS7356	9297301655	4017 34th Avenue Southwest	2	1	40	598	0	58	72	none	9	35	none
WS7357	9297301660	4021 34th Avenue Southwest	2	1	40	566	0	58	72	none	10	35	none
WS7358	9297301665	4025 34th Avenue Southwest	2	1	40	543	0	58	72	none	10	35	none
WS7359	9297301670	4029 34th Avenue Southwest	2	1	30	536	3	50	72	none	9	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7360	9297301675	4033 34th Avenue Southwest	2	1	30	503	3	50	72	none	10	35	none
WS7362	9297301685	4037 34th Avenue Southwest	2	1	30	503	3	50	72	none	10	35	none
WS7361	9297301680	4045 34th Avenue Southwest	2	1	30	474	3	50	72	none	11	35	none
WS7344	9297301575	4046 34th Avenue Southwest	2	1	30	369	3	51	72	none	13	35	none
WS7345	9297301580	4042 34th Avenue Southwest	2	1	30	376	3	51	72	none	13	35	none
WS7346	9297301585	4038 34th Avenue Southwest	2	1	30	381	3	51	72	none	13	35	none
WS7347	9297301590	4034 34th Avenue Southwest	2	1	40	396	0	59	72	none	13	35	none
WS7348	9297301595	4032 34th Avenue Southwest	2	1	40	427	0	58	72	none	12	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	40	472	3	61	72	none	14	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	40	504	3	61	72	none	14	35	none
WS7351	9297301610	4018 34th Avenue Southwest	2	1	40	530	3	61	72	none	13	35	none
WS7352	9297301615	4014 34th Avenue Southwest	2	1	40	555	3	61	72	none	13	35	none
WS7353	9297301620	4010 34th Avenue Southwest	2	1	40	596	3	61	72	none	12	35	none
WS7354	9297301625	4008 34th Avenue Southwest	2	1	40	634	3	61	72	none	12	35	none
WS7355	9297301630	4002 34th Avenue Southwest	2	1	40	673	3	61	72	none	11	35	none
WS7337	9297301420	3307 Southwest Andover Street	2	1	40	620	3	61	72	none	12	35	none
WS7391	9297301425	4015 Fauntleroy Way Southwest	2	1	40	512	3	61	72	none	13	35	none
WS7214	9297301428	4019 Fauntleroy Way Southwest	2	1	40	491	3	61	72	none	14	35	none
WS12006	6126600005	4700 38th Avenue Southwest	2	1	30	1011	0	23	72	none	<0	35	none
WS5023	952007660	4530 38th Avenue Southwest	3	1	30	614	0	27	78	none	2	40	none
WS6347	952006260	4500 California Avenue Southwest	3	1	30	560	3	31	78	none	6	40	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

Table N.3G-22. Summary of Vibration Analysis – No Avalon Station Tunnel Alternative (WSJ-6)

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6096	7579201105	4850 California Avenue Southwest	2	24	25	513	0	27	72	none	2	35	none
WS80500	6391900000	5000 California Avenue Southwest	2	32	25	497	0	27	72	none	3	35	none
WS2110	7579201125	4857 42nd Avenue Southwest	2	1	25	435	0	28	72	none	4	35	none
WS2112	7579201135	4853 42nd Avenue Southwest	2	1	25	430	0	28	72	none	5	35	none
WS2114	7579201145	4847 42nd Avenue Southwest	2	1	25	429	0	28	72	none	5	35	none
WS2116	7579201155	4843 42nd Avenue Southwest	2	1	25	421	0	29	72	none	5	35	none
WS2118	7579201165	4837 42nd Avenue Southwest	2	1	25	422	0	29	72	none	5	35	none
WS2120	7579201175	4833 42nd Avenue Southwest	2	1	25	421	0	29	72	none	5	35	none
WS2122	7579201185	4827 42nd Avenue Southwest	2	1	25	438	0	28	72	none	4	35	none
WS2124	7579201195	4823 42nd Avenue Southwest	2	1	25	432	0	28	72	none	4	35	none
WS2126	7579201205	4817 42nd Avenue Southwest	2	1	25	426	0	28	72	none	5	35	none
WS2128	7579201215	4811b 42nd Avenue Southwest	2	1	25	415	0	29	72	none	5	35	none
WS6097	7579201085	4840 California Avenue Southwest	2	33	25	497	0	27	72	none	3	35	none
WS6100	7579201075	4836 California Avenue Southwest	2	2	25	533	0	27	72	none	2	35	none
WS6101	7579201065	4830 California Avenue Southwest	2	2	25	530	0	27	72	none	2	35	none
WS6102	7579201055	4826 California Avenue Southwest	2	2	25	528	0	27	72	none	2	35	none
WS6103	7579201045	4822 California Avenue Southwest	2	2	25	530	0	27	72	none	2	35	none
WS6105	7579201005	4215 Southwest Edmunds Street	2	18	25	503	0	27	72	none	3	35	none
WS2158	7579200155	4727 42nd Avenue Southwest	2	120	25	368	0	30	72	none	6	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	25	298	0	31	72	none	9	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	12	25	233	0	33	72	none	13	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	8	25	212	0	34	72	none	14	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	2	16	25	103	10	55	72	none	37	35	2
WS6164	7624700065	5005 42nd Avenue Southwest	2	2	25	383	0	29	72	none	6	35	none
WS6176	7624700060	5002 42nd Avenue Southwest	2	2	25	263	0	32	72	none	11	35	none
WS6177	7624700061	4115 Southwest Hudson Street	2	2	25	176	0	36	72	none	17	35	none
WS6190	7624700006	4111 Southwest Hudson Street	2	1	25	146	0	39	72	none	21	35	none
WS6192	7624700005	4101 Southwest Hudson Street	2	1	25	131	0	41	72	none	23	35	none
WS6191	7624700010	5007 41st Avenue Southwest	2	4	25	167	0	37	72	none	18	35	none
WS6187	7624700015	5011 41st Avenue Southwest	2	2	25	204	0	35	72	none	15	35	none
WS6186	7624700020	5017 41st Avenue Southwest	2	2	25	251	0	33	72	none	12	35	none
WS6185	7624700025	5021 41st Avenue Southwest	2	2	25	296	0	31	72	none	9	35	none
WS6184	7624700030	5027 41st Avenue Southwest	2	4	25	341	0	30	72	none	7	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6200	1297300100	5022 41st Avenue Southwest	2	2	25	297	0	31	72	none	9	35	none
WS6197	1297300095	5028 41st Avenue Southwest	2	1	25	337	0	30	72	none	8	35	none
WS6203	1297300115	5006 41st Avenue Southwest	2	1	25	170	0	36	72	none	18	35	none
WS6204	1297300120	4015 Southwest Hudson Street	2	1	25	185	0	35	72	none	17	35	none
WS6201	1297300105	5018 41st Avenue Southwest	2	2	25	248	0	33	72	none	12	35	none
WS6202	1297300110	5012 41st Avenue Southwest	2	1	25	206	0	34	72	none	15	35	none
WS6260	6126601010	4800 40th Avenue Southwest	3	1	25	461	0	28	78	none	4	40	none
WS5013	6126600735	4736 40th Avenue Southwest	3	1	25	463	0	28	78	none	4	40	none
WS2296	952005960	4456 42nd Avenue Southwest	3	1	55	246	2	44	78	none	20	40	none
WS2296	952005960	4456 42nd Avenue Southwest	3	1	55	302	2	42	78	none	18	40	none
WS2298	952005890	4400 42nd Avenue Southwest	3	1	55	445	2	38	78	none	13	40	none
WS6623	952002655	4100 Southwest Genesee Street	3	1	55	388	2	39	78	none	15	40	none
WS5135	952007350	4500 39th Avenue Southwest	3	1	55	717	2	34	78	none	9	40	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	25	139	0	40	78	none	22	40	none
WS2192	7579200905	4847 41st Avenue Southwest	2	1	25	118	0	43	72	none	24	35	none
WS2190	7579200895	4853 41st Avenue Southwest	2	1	25	118	0	43	72	none	25	35	none
WS2188	7579200885	4857 41st Avenue Southwest	2	1	25	117	0	43	72	none	25	35	none
WS2194	7579200915	4843 41st Avenue Southwest	2	4	25	116	0	43	72	none	25	35	none
WS2196	7579200925	4837 41st Avenue Southwest	2	2	25	115	0	43	72	none	25	35	none
WS2204	7579200965	4815 41st Avenue Southwest	2	2	25	104	10	55	72	none	37	35	2
WS2210	7579200999	4803 41st Avenue Southwest	2	4	25	90	10	58	72	none	40	35	5
WS2212	7579200998	4801 41st Avenue Southwest	2	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210
WS6114	7579200997	4805 41st Avenue Southwest	2	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210	See WS2210
WS6113	7579200995	4103 Southwest Edmunds Street	2	4	25	124	5	47	72	none	29	35	none
WS2208	7579200985	4807 41st Avenue Southwest	2	1	25	102	10	55	72	none	37	35	2
WS2206	7579200975	4811 41st Avenue Southwest	2	1	25	106	10	55	72	none	37	35	2
WS2202	7579200955	4823 41st Avenue Southwest	2	1	25	104	5	50	72	none	32	35	none
WS2200	7579200945	4827 41st Avenue Southwest	2	1	25	108	5	49	72	none	31	35	none
WS6106	7579200765	4802 42nd Avenue Southwest	2	2	25	277	0	32	72	none	10	35	none
WS6107	7579200767	4121 Southwest Edmunds Street	2	2	25	276	0	32	72	none	10	35	none
WS2154	7579200769	4119 Southwest Edmunds Street	2	6	25	220	0	34	72	none	14	35	none
WS60000	7865200000	4806 42nd Avenue Southwest	2	8	25	276	0	32	72	none	10	35	none
WS2146	7579200805	4822 42nd Avenue Southwest	2	2	25	258	0	33	72	none	11	35	none
WS2148	7579200795	4816 42nd Avenue Southwest	2	2	25	259	0	33	72	none	11	35	none
WS2150	7579200785	4812 42nd Avenue Southwest	2	2	25	250	0	33	72	none	12	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS2136	7579200855	4846 42nd Avenue Southwest	2	2	25	269	0	32	72	none	11	35	none
WS2132	7579200875	4856 42nd Avenue Southwest	2	1	25	249	0	33	72	none	12	35	none
WS2134	7579200865	4852 42nd Avenue Southwest	2	1	25	258	0	33	72	none	11	35	none
WS2138	7579200845	4840 42nd Avenue Southwest	2	1	25	255	0	33	72	none	12	35	none
WS2140	7579200835	4836 42nd Avenue Southwest	2	1	25	260	0	33	72	none	11	35	none
WS2142	7579200825	4832 42nd Avenue Southwest	2	1	25	252	0	33	72	none	12	35	none
WS2144	7579200815	4828 42nd Avenue Southwest	2	1	25	252	0	33	72	none	12	35	none
WS50000	9379700000	4755 Fauntleroy Way Southwest	2	120	25	361	0	30	72	none	7	35	none
WS5020	6126600300	4727 38th Avenue Southwest	2	1	25	886	0	22	72	none	<0	35	none
WS5021	6126600310	4731 38th Avenue Southwest	2	1	25	883	0	22	72	none	<0	35	none
WS5022	6126600320	4737 38th Avenue Southwest	2	4	25	853	0	23	72	none	<0	35	none
WS5023	952007660	4530 38th Avenue Southwest	2	120	55	1022	2	31	72	none	5	35	none
WS1040	952007600	4520 Fauntleroy Way Southwest	2	1	55	1065	2	31	72	none	5	35	none
WS5062	952007845	4515 36th Avenue Southwest	3	1	55	1221	2	30	78	none	4	40	none
WS5146	9297302045	3295 Southwest Avalon Way	2	60	55	1107	0	29	72	none	3	35	none
WS5150	9297302035	3279 Southwest Avalon Way	2	1	55	1157	0	29	72	none	3	35	none
WS5151	9297302030	3275 Southwest Avalon Way	2	1	55	1163	0	29	72	none	3	35	none
WS5147	9297302040	3281 Southwest Avalon Way	2	1	55	1144	0	29	72	none	3	35	none
WS5152	9297302031	3273b Southwest Avalon Way	2	4	55	1204	0	28	72	none	2	35	none
WS81400	321050000	3271 Southwest Avalon Way	2	24	55	1166	0	28	72	none	2	35	none
WS81400	321050000	3271 Southwest Avalon Way	2	80	55	1174	0	28	72	none	2	35	none
WS5164	9297301976	3233 Southwest Avalon Way	2	48	55	1261	0	28	72	none	2	35	none
WS81500	4458770000	3221 Southwest Avalon Way	2	64	55	1331	0	27	72	none	1	35	none
WS5167	9297301930	3211 Southwest Avalon Way	2	16	55	1333	0	62	72	none	14	35	none
WS1094	9297301925	3201 Southwest Avalon Way	2	16	55	1290	0	62	72	none	14	35	none
WS61000	8644250000	3202 Southwest Avalon Way	2	20	55	1187	0	28	72	none	2	35	none
WS60900	7809670000	3210 Southwest Avalon Way	2	20	55	1150	0	29	72	none	3	35	none
WS2422	9297301885	3230 Southwest Avalon Way	2	40	55	1130	0	29	72	none	3	35	none
WS2420	9297301880	3236 Southwest Avalon Way	2	30	55	1089	0	29	72	none	3	35	none
WS2418	9297301865	3246 Southwest Avalon Way	2	10	55	1043	0	29	72	none	4	35	none
WS2416	9297301855	3250 Southwest Avalon Way	2	30	55	1012	0	30	72	none	4	35	none
WS60800	321000000	3256 Southwest Avalon Way	2	32	55	979	0	30	72	none	4	35	none
WS2410	9297301835	3268 Southwest Avalon Way	2	18	55	965	0	30	72	none	4	35	none
WS2408	9297301820	3280 Southwest Avalon Way	2	18	55	954	0	30	72	none	4	35	none
WS81600	321500000	3112 Southwest Avalon Way	2	16	55	1094	0	29	72	none	3	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS61100	9306000000	3120 Southwest Avalon Way	2	20	55	1109	0	29	72	none	3	35	none
WS5205	9297300965	3166 Southwest Genesee Street	2	1	55	1007	0	30	72	none	4	35	none
WS5204	9297300966	4150 32nd Avenue Southwest	2	1	55	966	0	30	72	none	4	35	none
WS5206	9297300975	4144 32nd Avenue Southwest	2	1	55	933	0	30	72	none	5	35	none
WS5207	9297300980	4140 32nd Avenue Southwest	2	1	55	914	0	30	72	none	5	35	none
WS5210	9297300985	4136 32nd Avenue Southwest	2	2	55	902	0	31	72	none	5	35	none
WS5211	9297300990	4134 32nd Avenue Southwest	2	1	55	897	0	31	72	none	5	35	none
WS5212	9297300995	4130 32nd Avenue Southwest	2	1	55	890	0	31	72	none	5	35	none
WS5213	9297301000	4126 32nd Avenue Southwest	2	1	55	882	0	31	72	none	5	35	none
WS5214	9297301005	4122 32nd Avenue Southwest	2	2	55	878	0	31	72	none	5	35	none
WS5215	9297301010	4118 32nd Avenue Southwest	2	2	55	868	0	31	72	none	5	35	none
WS5216	9297301015	4114 32nd Avenue Southwest	2	1	55	893	0	63	72	none	17	35	none
WS5187	9297301250	3220 Southwest Genesee Street	2	2	55	761	0	32	72	none	6	35	none
WS5191	9297301240	3212 Southwest Genesee Street	2	2	55	815	0	31	72	none	6	35	none
WS5195	9297301220	4143 32nd Avenue Southwest	2	2	55	788	0	32	72	none	6	35	none
WS5200	9297301205	4129 32nd Avenue Southwest	2	2	55	765	0	32	72	none	6	35	none
WS5186	9297301255	3224 Southwest Genesee Street	2	1	55	748	0	32	72	none	7	35	none
WS5190	9297301245	3218 Southwest Genesee Street	2	1	55	786	0	32	72	none	6	35	none
WS5192	9297301235	3206 Southwest Genesee Street	2	1	55	827	0	31	72	none	6	35	none
WS5193	9297301230	3200 Southwest Genesee Street	2	1	55	843	0	31	72	none	5	35	none
WS5194	9297301225	4149 32nd Avenue Southwest	2	1	55	812	0	31	72	none	6	35	none
WS5196	9297301215	4139 32nd Avenue Southwest	2	1	55	782	0	32	72	none	6	35	none
WS5197	9297301210	4135 32nd Avenue Southwest	2	1	55	772	0	32	72	none	6	35	none
WS5201	9297301200	4125 32nd Avenue Southwest	2	1	55	746	0	32	72	none	7	35	none
WS1090	9297301751	3119 Southwest Genesee Street	2	1	55	1046	0	29	72	none	3	35	none
WS1088	9297301750	3127 Southwest Genesee Street	2	1	55	1002	0	30	72	none	4	35	none
WS1086	9297301755	3201 Southwest Genesee Street	2	1	55	970	0	30	72	none	4	35	none
WS1084	9297301760	3205 Southwest Genesee Street	2	1	55	949	0	30	72	none	4	35	none
WS1082	9297301765	3211 Southwest Genesee Street	2	1	55	929	0	30	72	none	5	35	none
WS1078	9297301775	3221 Southwest Genesee Street	2	1	55	900	0	31	72	none	5	35	none
WS10004	9297301780	3225 Southwest Genesee Street	2	1	55	887	0	31	72	none	5	35	none
WS1074	9297301785	3227 Southwest Genesee Street	2	1	55	870	0	31	72	none	5	35	none
WS1072	9297301790	3229 Southwest Genesee Street	2	1	55	860	0	31	72	none	5	35	none
WS1070	9297301800	3237 Southwest Genesee Street	2	1	55	837	0	31	72	none	6	35	none
WS7027	952004035	4146 36th Avenue Southwest	2	1	55	662	0	33	72	none	8	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS3006	952003915	3600 Southwest Genesee Street	2	8	55	701	2	34	72	none	9	35	none
WS7000	952003805	4158 37th Avenue Southwest	2	1	55	663	2	35	72	none	9	35	none
WS7002	952003795	4150 37th Avenue Southwest	2	1	55	601	2	36	72	none	10	35	none
WS6697	952003685	4155 37th Avenue Southwest	2	1	55	592	2	36	72	none	11	35	none
WS6700	952003676	4151 37th Avenue Southwest	2	1	55	549	2	36	72	none	11	35	none
WS6687	952003565	4156 38th Avenue Southwest	2	1	55	495	2	37	72	none	12	35	none
WS6690	952003555	4152 38th Avenue Southwest	2	1	55	458	2	38	72	none	13	35	none
WS6676	952003445	4157 38th Avenue Southwest	2	1	55	403	2	39	72	none	14	35	none
WS6677	952003435	4155 38th Avenue Southwest	2	1	55	377	2	39	72	none	15	35	none
WS6665	952003295	4156 39th Avenue Southwest	2	1	55	291	2	42	72	none	18	35	none
WS6680	952003425	4149 38th Avenue Southwest	2	1	55	350	2	40	72	none	16	35	none
WS6666	952003285	4150 39th Avenue Southwest	2	2	55	271	2	43	72	none	19	35	none
WS2404	952004540	4400 37th Avenue Southwest	2	1	55	746	2	34	72	none	8	35	none
WS2402	952004550	4406 37th Avenue Southwest	2	1	55	783	2	33	72	none	8	35	none
WS6592	952004560	4410 37th Avenue Southwest	2	1	55	822	2	33	72	none	7	35	none
WS6591	952004570	4414 37th Avenue Southwest	2	1	55	859	2	33	72	none	7	35	none
WS2400	952004705	4403 37th Avenue Southwest	2	1	55	668	2	35	72	none	9	35	none
WS2398	952004715	4407 37th Avenue Southwest	2	1	55	706	2	34	72	none	9	35	none
WS6590	952004725	4413 37th Avenue Southwest	2	1	55	749	2	34	72	none	8	35	none
WS6587	952004735	4417 37th Avenue Southwest	2	1	55	786	2	33	72	none	8	35	none
WS6586	952004745	4421 37th Avenue Southwest	2	1	55	822	2	33	72	none	7	35	none
WS6585	952004755	4427 37th Avenue Southwest	2	1	55	862	2	33	72	none	7	35	none
WS5145	952004765	4431 37th Avenue Southwest	2	16	55	922	2	32	72	none	6	35	none
WS2396	952004820	4402 38th Avenue Southwest	2	1	55	573	2	36	72	none	11	35	none
WS2394	952004830	4406 38th Avenue Southwest	2	1	55	602	2	36	72	none	10	35	none
WS2392	952004840	4412 38th Avenue Southwest	2	1	55	639	2	35	72	none	10	35	none
WS6584	952004850	4416 38th Avenue Southwest	2	1	55	667	2	35	72	none	9	35	none
WS6583	952004860	4420 38th Avenue Southwest	2	1	55	698	2	34	72	none	9	35	none
WS6582	952004865	4422 38th Avenue Southwest	2	1	55	716	2	34	72	none	9	35	none
WS6581	952004875	4426 38th Avenue Southwest	2	1	55	761	2	34	72	none	8	35	none
WS6580	952004885	4432 38th Avenue Southwest	2	1	55	799	2	33	72	<1	8	35	none
WS5144	952004895	4436 38th Avenue Southwest	2	1	55	835	2	33	72	none	7	35	none
WS5142	952004915	4446 38th Avenue Southwest	2	1	55	858	2	33	72	none	7	35	none
WS5143	952004905	4442 38th Avenue Southwest	2	2	55	857	2	33	72	none	7	35	none
WS5137	952004935	4450 38th Avenue Southwest	2	2	55	913	2	32	72	none	6	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5140	952004930	3718 Southwest Oregon Street	2	2	55	943	2	32	72	none	6	35	none
WS5141	952004925	3714 Southwest Oregon Street	2	3	55	980	2	32	72	none	6	35	none
WS6570	952005095	4457 38th Avenue Southwest	2	1	55	780	2	34	72	none	8	35	none
WS6571	952005085	4453 38th Avenue Southwest	2	1	55	766	2	34	72	none	8	35	none
WS6572	952005075	4451 38th Avenue Southwest	2	1	55	750	2	34	72	none	8	35	none
WS6573	952005065	4441 38th Avenue Southwest	2	1	55	732	2	34	72	none	9	35	none
WS6574	952005055	4437 38th Avenue Southwest	2	1	55	692	2	35	72	none	9	35	none
WS6575	952005045	4433 38th Avenue Southwest	2	1	55	636	2	35	72	none	10	35	none
WS6576	952005035	4427 38th Avenue Southwest	2	1	55	623	2	35	72	none	10	35	none
WS6577	952005025	4423 38th Avenue Southwest	2	1	55	587	2	36	72	none	11	35	none
WS2384	952005015	4417 38th Avenue Southwest	2	1	55	575	2	36	72	none	11	35	none
WS2386	952005000	4411 38th Avenue Southwest	2	1	55	536	2	37	72	none	12	35	none
WS2388	952004995	4407 38th Avenue Southwest	2	1	55	497	2	37	72	none	12	35	none
WS2390	952004985	4403 38th Avenue Southwest	2	1	55	470	2	38	72	none	13	35	none
WS2382	952005105	4402 39th Avenue Southwest	2	1	55	376	2	40	72	none	15	35	none
WS2380	952005115	4406 39th Avenue Southwest	2	1	55	393	2	39	72	none	15	35	none
WS6567	952005145	4420 39th Avenue Southwest	2	1	55	465	2	38	72	none	13	35	none
WS6566	952005155	4424 39th Avenue Southwest	2	1	55	485	2	37	72	none	13	35	none
WS6565	952005160	4428 39th Avenue Southwest	2	1	55	498	2	37	72	none	12	35	none
WS6564	952005165	4434 39th Avenue Southwest	2	1	55	504	2	37	72	none	12	35	none
WS6563	952005185	4436 39th Avenue Southwest	2	1	55	519	2	37	72	none	12	35	none
WS6562	952005195	4440 39th Avenue Southwest	2	1	55	536	2	37	72	none	12	35	none
WS6561	952005200	4442 39th Avenue Southwest	2	1	55	548	2	36	72	none	11	35	none
WS6560	952005205	4446 39th Avenue Southwest	2	1	55	580	2	36	72	none	11	35	none
WS6557	952005215	4448 39th Avenue Southwest	2	1	55	605	2	36	72	none	10	35	none
WS6555	952005224	4452 39th Avenue Southwest	2	1	55	626	2	35	72	none	10	35	none
WS6554	952005249	4456 39th Avenue Southwest	2	1	55	638	2	35	72	none	10	35	none
WS2378	952005125	4414 39th Avenue Southwest	2	2	55	403	2	39	72	none	14	35	none
WS2376	952005135	4416 39th Avenue Southwest	2	2	55	426	2	38	72	none	14	35	none
WS2374	952005270	4403 39th Avenue Southwest	2	1	55	244	2	44	72	none	20	35	none
WS2372	952005280	4409 39th Avenue Southwest	2	2	55	259	2	43	72	none	20	35	none
WS6553	952005290	4413 39th Avenue Southwest	2	1	55	274	2	42	72	none	19	35	none
WS2370	952005300	4417 39th Avenue Southwest	2	1	55	294	2	42	72	none	18	35	none
WS2368	952005305	4421 39th Avenue Southwest	2	1	55	315	2	41	72	none	17	35	none
WS2366	952005320	4427 39th Avenue Southwest	2	1	55	337	2	40	72	none	16	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6552	952005330	4433 39th Avenue Southwest	2	1	55	367	2	40	72	none	15	35	none
WS6551	952005340	4437 39th Avenue Southwest	2	1	55	387	2	39	72	none	15	35	none
WS6547	952005359	4447 39th Avenue Southwest	2	1	55	417	2	39	72	none	14	35	none
WS6546	952005370	4451 39th Avenue Southwest	2	1	55	459	2	38	72	none	13	35	none
WS6545	952005380	4457 39th Avenue Southwest	2	1	55	466	2	38	72	none	13	35	none
WS6550	952005349	4441 39th Avenue Southwest	2	2	55	371	2	40	72	none	15	35	none
WS6655	952003175	4157 39th Avenue Southwest	2	1	55	172	2	50	72	none	25	35	none
WS6656	952003165	4153 39th Avenue Southwest	2	1	55	161	2	51	72	none	26	35	none
WS6645	952003055	4156 40th Avenue Southwest	2	1	55	139	2	53	72	none	28	35	none
WS6646	952003045	4150 40th Avenue Southwest	2	1	55	141	2	53	72	none	28	35	none
WS6635	952002935	4010 Southwest Genesee Street	2	1	55	150	2	52	72	none	27	35	none
WS2364	952005390	4402 40th Avenue Southwest	2	1	55	145	2	53	72	none	28	35	none
WS2362	952005400	4414 40th Avenue Southwest	2	1	55	161	2	51	72	none	26	35	none
WS6544	952005415	4416c 40th Avenue Southwest	2	1	55	156	2	51	72	none	26	35	none
WS6543	952005425	4418 40th Avenue Southwest	2	1	55	202	2	47	72	none	23	35	none
WS2360	952005435	4422 40th Avenue Southwest	2	1	55	201	2	47	72	none	23	35	none
WS2356	952005445	4426 40th Avenue Southwest	2	1	55	196	2	47	72	none	23	35	none
WS2354	952005460	4432 40th Avenue Southwest	2	1	55	263	2	43	72	none	19	35	none
WS6542	952005470	4438 40th Avenue Southwest	2	1	55	250	2	43	72	none	20	35	none
WS6541	952005480	4442 40th Avenue Southwest	2	1	55	269	2	43	72	<1	19	35	none
WS6540	952005490	4446 40th Avenue Southwest	2	1	55	275	2	42	72	<1	19	35	none
WS6537	952005500	4452 40th Avenue Southwest	2	1	55	282	2	42	72	none	18	35	none
WS6536	952005510	4456 40th Avenue Southwest	2	1	55	294	2	42	72	<1	18	35	none
WS2330	952005630	4457 40th Avenue Southwest	2	1	55	161	2	51	72	none	26	35	none
WS2332	952005620	4453 40th Avenue Southwest	2	1	55	169	2	50	72	none	25	35	none
WS2334	952005610	4449 40th Avenue Southwest	2	1	55	134	2	54	72	none	29	35	none
WS2336	952005600	4441 40th Avenue Southwest	2	1	55	132	2	54	72	none	29	35	none
WS2338	952005590	4437 40th Avenue Southwest	2	1	55	131	2	55	72	none	29	35	none
WS6532	952005580	4433 40th Avenue Southwest	2	1	55	120	2	56	72	none	30	35	none
WS6533	952005570	4429 40th Avenue Southwest	2	1	55	111	2	57	72	none	32	35	none
WS2340	952005560	4421 40th Avenue Southwest	2	1	55	104	2	59	72	none	33	35	none
WS2342	952005550	4415 40th Avenue Southwest	2	1	55	110	2	58	72	none	32	35	none
WS2344	952005545	4413 40th Avenue Southwest	2	1	55	111	2	57	72	none	32	35	none
WS2346	952005540	4411 40th Avenue Southwest	2	1	55	113	2	57	72	none	32	35	none
WS2348	952005535	4409 40th Avenue Southwest	2	1	55	111	2	57	72	none	32	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6534	952005530	4407 40th Avenue Southwest	2	1	55	120	2	56	72	none	31	35	none
WS2350	952005525	4405 40th Avenue Southwest	2	1	55	120	2	56	72	none	31	35	none
WS2352	952005520	4403 40th Avenue Southwest	2	1	55	121	2	56	72	none	30	35	none
WS6535	952005515	4401 40th Avenue Southwest	2	1	55	124	2	55	72	none	30	35	none
WS2326	952005680	4424 41st Avenue Southwest	2	1	55	127	2	55	72	none	30	35	none
WS2324	952005690	4426 41st Avenue Southwest	2	1	55	121	2	56	72	none	30	35	none
WS2322	952005695	4430 41st Avenue Southwest	2	1	55	116	2	57	72	none	31	35	none
WS6531	952005670	4434 41st Avenue Southwest	2	1	55	112	2	57	72	none	32	35	none
WS6530	952005719	4436 41st Avenue Southwest	2	1	55	107	2	58	72	none	32	35	none
WS6527	952005737	4440 41st Avenue Southwest	2	1	55	102	2	59	72	none	33	35	none
WS6526	952005741	4446 41st Avenue Southwest	2	1	55	94	2	60	72	none	35	35	<1
WS2320	952005750	4452 41st Avenue Southwest	2	1	55	96	2	60	72	none	35	35	<1
WS2318	952005760	4456 41st Avenue Southwest	2	1	55	92	2	61	72	none	35	35	<1
WS6524	952005826	4431b 41st Avenue Southwest	2	4	55	202	2	47	72	none	23	35	none
WS6522	952005827	4429b 41st Avenue Southwest	2	4	55	256	2	43	72	none	20	35	none
WS2314	952005840	4437a 41st Avenue Southwest	2	2	55	190	2	48	72	none	24	35	none
WS2312	952005841	4437b 41st Avenue Southwest	2	2	55	184	2	49	72	none	24	35	none
WS2310	952005842	4437c 41st Avenue Southwest	2	2	55	183	2	49	72	none	24	35	none
WS2308	952005843	4437d 41st Avenue Southwest	2	2	55	179	2	49	72	none	24	35	none
WS6517	952005832	4441b 41st Avenue Southwest	2	2	55	225	2	45	72	none	21	35	none
WS6520	952005831	4441a 41st Avenue Southwest	2	2	55	229	2	45	72	none	21	35	none
WS6521	952005830	4439 41st Avenue Southwest	2	2	55	237	2	44	72	none	21	35	none
WS6516	952005860	4449b 41st Avenue Southwest	2	3	55	154	2	52	72	none	27	35	none
WS6515	952005861	4449a 41st Avenue Southwest	2	3	55	176	2	49	72	none	25	35	none
WS2302	952005862	4447b 41st Avenue Southwest	2	3	55	195	2	48	72	none	23	35	none
WS2304	952005863	4447a 41st Avenue Southwest	2	3	55	208	2	46	72	none	22	35	none
WS2306	952005850	4443 41st Avenue Southwest	2	1	55	188	2	48	72	none	24	35	none
WS6367	952006630	4501 41st Avenue Southwest	2	3	55	139	2	53	72	none	28	35	none
WS6366	952006631	4503 41st Avenue Southwest	2	3	55	138	2	54	72	none	28	35	none
WS6362	952006632	4505 41st Avenue Southwest	2	3	55	136	2	54	72	none	28	35	none
WS6360	952006633	4507 41st Avenue Southwest	2	3	55	137	2	54	72	none	28	35	none
WS6364	952006635	4113 Southwest Oregon Street	2	6	55	189	2	48	72	none	24	35	none
WS6354	952006638	4109 Southwest Oregon Street	2	6	55	183	2	49	72	none	24	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	100	55	567	2	36	72	none	11	35	none
WS60700	7942040000	4555 39th Avenue Southwest	2	80	25	359	0	30	72	none	7	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS60700	7942040000	4555 39th Avenue Southwest	2	40	25	359	0	30	72	none	7	35	none
WS5102	952007165	4538 40th Avenue Southwest	2	1	55	369	2	40	72	none	15	35	none
WS5106	952007152	4536b 40th Avenue Southwest	2	6	55	430	2	38	72	none	14	35	none
WS5104	952007150	4534b 40th Avenue Southwest	2	6	55	374	2	40	72	none	15	35	none
WS5110	952007141	4530b 40th Avenue Southwest	2	6	55	432	2	38	72	none	14	35	none
WS5107	952007137	4530d 40th Avenue Southwest	2	6	55	380	2	39	72	none	15	35	none
WS5113	952007125	4526 40th Avenue Southwest	2	1	55	374	2	40	72	none	15	35	none
WS5114	952007120	4522 40th Avenue Southwest	2	1	55	365	2	40	72	none	16	35	none
WS5115	952007105	4518 40th Avenue Southwest	2	3	55	343	2	40	72	none	16	35	none
WS5116	952007090	4514 40th Avenue Southwest	2	1	55	339	2	40	72	none	16	35	none
WS5122	952007080	4508 40th Avenue Southwest	2	1	55	331	2	41	72	none	17	35	none
WS5125	952007065	4506 40th Avenue Southwest	2	1	55	328	2	41	72	none	17	35	none
WS5130	952007055	3955 Southwest Oregon Street	2	6	55	327	2	41	72	none	17	35	none
WS5132	952007057	3951 Southwest Oregon Street	2	6	55	381	2	39	72	none	15	35	none
WS5127	952007069	4506a 40th Avenue Southwest	2	4	55	361	2	40	72	none	16	35	none
WS5124	952007082	4510a 40th Avenue Southwest	2	4	55	372	2	40	72	none	15	35	none
WS5117	952007091	4512a 40th Avenue Southwest	2	6	55	389	2	39	72	none	15	35	none
WS6396	952006905	4503 40th Avenue Southwest	2	1	55	193	2	48	72	none	23	35	none
WS6395	952006915	4507 40th Avenue Southwest	2	1	55	214	2	46	72	none	22	35	none
WS6394	952006925	4511 40th Avenue Southwest	2	1	55	217	2	46	72	none	22	35	none
WS3004	952006906	4505a 40th Avenue Southwest	2	4	55	142	2	53	72	none	28	35	none
WS6385	952006916	4505c 40th Avenue Southwest	2	4	55	147	2	53	72	none	27	35	none
WS6382	952006929	4513b 40th Avenue Southwest	2	6	55	177	2	49	72	none	25	35	none
WS6381	952006935	4517 40th Avenue Southwest	2	4	55	185	2	49	72	none	24	35	none
WS6380	952006939	4521a 40th Avenue Southwest	2	6	55	167	2	50	72	none	25	35	none
WS6393	952006941	4523a 40th Avenue Southwest	2	6	55	212	2	46	72	none	22	35	none
WS6376	952006953	4529a 40th Avenue Southwest	2	4	55	168	2	50	72	none	25	35	none
WS6391	952006957	4527a 40th Avenue Southwest	2	4	55	215	2	46	72	none	22	35	none
WS6374	952006961	4533a 40th Avenue Southwest	2	4	55	170	2	50	72	none	25	35	none
WS6370	952006979	4539b 40th Avenue Southwest	2	4	55	194	2	48	72	none	23	35	none
WS6387	952006965	4531 40th Avenue Southwest	2	2	55	219	2	46	72	none	22	35	none
WS6386	952006975	4537 40th Avenue Southwest	2	2	55	236	2	44	72	none	21	35	none
WS5096	952006989	4543b 40th Avenue Southwest	2	3	25	191	0	35	72	none	16	35	none
WS5101	952006985	4541 40th Avenue Southwest	2	2	25	240	0	33	72	none	12	35	none
WS5094	952006999	4547b 40th Avenue Southwest	2	3	25	192	0	35	72	none	16	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5100	952006995	4545 40th Avenue Southwest	2	2	25	234	0	33	72	none	13	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	48	25	79	0	53	72	none	32	35	none
WS51000	1333100000	4100 Southwest Alaska Street	2	100	25	273	0	32	72	none	11	35	none
WS2254	952006855	4536 41st Avenue Southwest	2	1	55	82	2	63	72	<1	37	35	2
WS2262	952006845	4532 41st Avenue Southwest	2	1	55	87	2	62	72	none	36	35	<1
WS2280	952006815	4520a 41st Avenue Southwest	2	5	55	82	2	63	72	none	37	35	2
WS7582	952006817	4520c 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7583	952006816	4520b 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7584	952006813	418a 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS7585	952006814	418b 41st Avenue Southwest	2	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280	See WS2280
WS2282	952006805	4514 41st Avenue Southwest	2	1	55	85	2	62	72	<1	36	35	1
WS2284	952006795	4512 41st Avenue Southwest	2	1	55	85	2	62	72	none	36	35	1
WS2286	952006789	4504 41st Avenue Southwest	2	3	55	90	2	61	72	none	35	35	<1
WS2288	952006787	4502 41st Avenue Southwest	2	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286
WS2292	952006785	4508 41st Avenue Southwest		See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286
WS2294	952006783	4506 41st Avenue Southwest		See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286	See WS2286
WS2290	952006775	4019 Southwest Oregon Street	2	2	55	91	2	61	72	none	35	35	<1
WS2272	952006838	4528b 41st Avenue Southwest	2	8	55	119	2	56	72	none	31	35	none
WS2264	952006836	4526b 41st Avenue Southwest	2	8	55	81	2	63	72	none	37	35	2
WS2266	952006835	4526a 41st Avenue Southwest	2	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264	See WS2264
WS2268	952006823	4522b 41st Avenue Southwest	2	4	55	81	2	63	72	none	37	35	2
WS2270	952006821	4522a 41st Avenue Southwest	2	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268	See WS2268
WS2276	952006825	4524b 41st Avenue Southwest	2	4	55	121	2	56	72	none	30	35	none
WS2256	952006861	4538c 41st Avenue Southwest	2	6	55	104	2	58	72	none	33	35	none
WS2246	952006700	4525 41st Avenue Southwest	2	48	55	91	2	61	72	none	35	35	<1
WS2248	952006680	4519 41st Avenue Southwest		See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246
WS2250	952006660	4515 41st Avenue Southwest		See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246	See WS2246
WS2186	952006510	4502 42nd Avenue Southwest	2	96	55	264	2	43	72	none	19	35	none
WS2176	952006560	4526 42nd Avenue Southwest	2	1	55	260	2	43	72	none	19	35	none
WS2174	952006565	4532 42nd Avenue Southwest	2	32	55	272	2	43	72	none	19	35	none
WS60600	1591920000	4527 41st Avenue Southwest	2	6	55	125	2	55	72	none	30	35	none
WS5086	952006718	4533c 41st Avenue Southwest	2	3	55	130	2	55	72	none	29	35	none
WS5083	952006728	4535c 41st Avenue Southwest	2	3	55	128	2	55	72	none	29	35	none
WS2242	952006715	4531 41st Avenue Southwest	2	2	55	98	2	60	72	none	34	35	none
WS2240	952006725	4537 41st Avenue Southwest	2	2	55	98	2	60	72	none	34	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS60300	2607870000	4752 41st Avenue Southwest	2	36	25	83	10	61	72	none	41	35	6
WS1006	7579200205	4715 42nd Avenue Southwest	2	160	25	365	0	30	72	none	7	35	none
WS2162	952006465	4545 42nd Avenue Southwest	2	64	25	376	0	29	72	none	6	35	none
WS6351	952006385	4505 42nd Avenue Southwest	2	36	55	395	2	39	72	none	15	35	none
WS5222	9297300935	3104b Southwest Avalon Way	2	1	55	1109	0	63	72	none	16	35	none
WS5224	9297300930	not available	2	3	55	1099	0	63	72	none	16	35	none
WS5225	9297300925	3078e Southwest Avalon Way	2	3	55	1093	0	63	72	none	16	35	none
WS5226	9297300920	3074 Southwest Avalon Way	2	3	55	1085	0	63	72	none	16	35	none
WS5246	9297300898	3070b Southwest Avalon Way	2	12	55	1090	0	63	72	none	16	35	none
WS5250	9297300902	3062b Southwest Avalon Way	2	12	55	1087	0	63	72	none	16	35	none
WS5252	9297300895	3060 Southwest Avalon Way	2	12	55	1080	0	63	72	none	16	35	none
WS7196	9297300885	3050 Southwest Avalon Way	2	36	55	1103	0	63	72	none	16	35	none
WS7121	9297300875	3046 Southwest Avalon Way	2	12	55	1104	0	63	72	none	16	35	none
WS7122	9297300870	3040 Southwest Avalon Way	2	6	55	1115	0	63	72	none	16	35	none
WS5256	9297300725	3039 Southwest Avalon Way	2	1	55	1204	0	63	72	none	15	35	none
WS5254	9297300745	3051 Southwest Avalon Way	2	1	55	1204	0	63	72	none	15	35	none
WS5253	9297300750	3055 Southwest Avalon Way	2	1	55	1204	0	63	72	none	15	35	none
WS5255	9297300740	3047 Southwest Avalon Way	2	2	55	1217	0	63	72	none	15	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	1350	0	62	72	none	4	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	24	55	1253	0	63	72	none	15	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	18	55	1231	0	63	72	none	15	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	12	55	1368	0	62	72	none	14	35	none
WS1096	9297300765	3101 Southwest Avalon Way	2	30	55	1453	0	62	72	none	4	35	none
WS1102	9358002340	4316 30th Avenue Southwest	2	6	55	1565	1	63	72	none	4	35	none
WS1104	9358002350	2852 Southwest Genesee Street	2	2	55	1605	1	63	72	none	4	35	none
WS1106	9358002351	2850 Southwest Genesee Street	2	2	55	1642	1	63	72	none	4	35	none
WS1110	9358002365	2842 Southwest Genesee Street	2	2	55	1676	1	63	72	none	4	35	none
WS5263	9358002308	2851 Southwest Nevada Street	2	3	55	1604	1	63	72	none	4	35	none
WS5264	9358002305	2853 Southwest Nevada Street	2	3	55	1586	1	63	72	none	4	35	none
WS5262	9358002320	2855 Southwest Nevada Street	2	4	55	1564	1	63	72	none	4	35	none
WS5261	9358002330	4302 30th Avenue Southwest	2	2	55	1529	1	63	72	none	4	35	none
WS1010	7579200260	4720 42nd Avenue Southwest	3	1	25	98	10	56	78	none	38	40	none
WS7114	9297301155	4049 32nd Avenue Southwest	2	2	55	735	0	32	72	none	7	35	none
WS7154	9297301170	4105 32nd Avenue Southwest	2	2	55	721	0	32	72	none	7	35	none
WS7221	9297301455	4039 Fauntleroy Way Southwest	2	2	55	491	0	36	72	none	11	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7222	9297301460	4043 Fauntleroy Way Southwest	2	2	55	482	0	36	72	none	11	35	none
WS7223	9297301465	4101 Fauntleroy Way Southwest	2	2	55	477	0	36	72	none	11	35	none
WS7216	9297301440	4027 Fauntleroy Way Southwest	2	2	55	491	0	36	72	none	11	35	none
WS7205	9297301060	4030 32nd Avenue Southwest	2	1	55	923	0	63	72	none	17	35	none
WS7204	9297301055	4036 32nd Avenue Southwest	2	1	55	907	0	63	72	none	17	35	none
WS7203	9297301050	4040 32nd Avenue Southwest	2	1	55	895	0	63	72	none	17	35	none
WS5203	9297301180	4115 32nd Avenue Southwest	2	1	55	731	0	32	72	none	7	35	none
WS5202	9297301190	4121 32nd Avenue Southwest	2	1	55	746	0	32	72	none	7	35	none
WS7116	9297301145	4039 32nd Avenue Southwest	2	1	55	763	0	63	72	none	19	35	none
WS7115	9297301150	4045 32nd Avenue Southwest	2	1	55	753	0	63	72	none	19	35	none
WS7155	9297301175	4107 32nd Avenue Southwest	2	1	55	733	0	32	72	none	7	35	none
WS7153	9297301165	4055 32nd Avenue Southwest	2	1	55	749	0	32	72	none	7	35	none
WS7213	9297301160	4051 32nd Avenue Southwest	2	1	55	750	0	32	72	none	7	35	none
WS7152	9297301135	4035 32nd Avenue Southwest	2	1	55	788	0	63	72	none	19	35	none
WS5217	9297301020	4110 32nd Avenue Southwest	2	1	55	856	0	63	72	none	18	35	none
WS5220	9297301025	4106 32nd Avenue Southwest	2	1	55	863	0	63	72	none	18	35	none
WS7197	9297301029	4104 32nd Avenue Southwest	2	1	55	867	0	63	72	none	18	35	none
WS7200	9297301030	4100 32nd Avenue Southwest	2	1	55	872	0	63	72	none	18	35	none
WS7201	9297301040	4046 32nd Avenue Southwest	2	1	55	873	0	63	72	none	18	35	none
WS7202	9297301045	4044 32nd Avenue Southwest	2	1	55	926	0	63	72	none	17	35	none
WS7217	9297301445	4031 Fauntleroy Way Southwest	2	1	55	479	0	36	72	none	11	35	none
WS7220	9297301450	4035 Fauntleroy Way Southwest	2	1	55	498	0	35	72	none	11	35	none
WS7224	9297301470	4105 Fauntleroy Way Southwest	2	1	55	472	0	36	72	none	11	35	none
WS7392	9297301475	4107 Fauntleroy Way Southwest	2	1	55	466	0	36	72	none	11	35	none
WS7393	9297301480	4115 Fauntleroy Way Southwest	2	1	55	461	0	36	72	none	11	35	none
WS7215	9297301430	4023 Fauntleroy Way Southwest	2	1	55	496	0	36	72	none	11	35	none
WS6636	952002920	4151 40th Avenue Southwest	2	1	55	176	2	49	72	none	25	35	none
WS6637	952002915	4147 40th Avenue Southwest	2	1	55	192	2	48	72	none	23	35	none
WS6640	952002905	4141 40th Avenue Southwest	2	1	55	223	2	45	72	none	21	35	none
WS6641	952002895	4137 40th Avenue Southwest	2	1	55	246	2	44	72	none	20	35	none
WS6647	952003035	4146 40th Avenue Southwest	2	1	55	149	2	52	72	none	27	35	none
WS6650	952003025	4140 40th Avenue Southwest	2	1	55	153	2	52	72	none	27	35	none
WS6651	952003015	4136 40th Avenue Southwest	2	1	55	164	2	51	72	none	26	35	none
WS6652	952003005	4132 40th Avenue Southwest	2	1	55	176	2	49	72	none	25	35	none
WS6653	952002995	4126 40th Avenue Southwest	2	1	55	200	2	47	72	none	23	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS6654	952002985	4122 40th Avenue Southwest	2	1	55	212	2	46	72	none	22	35	none
WS7712	952002975	4116 40th Avenue Southwest	2	1	55	243	2	44	72	none	20	35	none
WS6657	952003155	4147 39th Avenue Southwest	2	1	55	149	2	52	72	none	27	35	none
WS6660	952003145	4141 39th Avenue Southwest	2	1	55	148	2	52	72	none	27	35	none
WS6661	952003135	4137 39th Avenue Southwest	2	1	55	149	2	52	72	none	27	35	none
WS6662	952003125	4129 39th Avenue Southwest	2	1	55	147	2	52	72	none	27	35	none
WS6663	952003115	4125 39th Avenue Southwest	2	1	55	150	2	52	72	none	27	35	none
WS6664	952003105	4121 39th Avenue Southwest	2	1	55	162	2	51	72	none	26	35	none
WS7717	952003095	4117 39th Avenue Southwest	2	1	55	176	2	49	72	none	25	35	none
WS7716	952003090	4111 39th Avenue Southwest	2	1	55	195	2	48	72	none	23	35	none
WS7715	952003085	4109 39th Avenue Southwest	2	1	55	217	2	46	72	none	22	35	none
WS7713	952003064	3903 Southwest Dakota Street	2	1	55	245	2	44	72	none	20	35	none
WS6667	952003275	4146 39th Avenue Southwest	2	1	55	214	2	46	72	none	22	35	none
WS6670	952003265	4142 39th Avenue Southwest	2	1	55	188	2	48	72	none	24	35	none
WS6671	952003255	4136 39th Avenue Southwest	2	1	55	166	2	50	72	none	25	35	none
WS6672	952003245	4132 39th Avenue Southwest	2	1	55	155	2	52	72	none	27	35	none
WS6673	952003240	4128 39th Avenue Southwest	2	1	55	147	2	52	72	none	27	35	none
WS6674	952003230	4124 39th Avenue Southwest	2	1	55	145	2	53	72	none	27	35	none
WS6675	952003220	4118 39th Avenue Southwest	2	1	55	146	2	53	72	none	27	35	none
WS7723	952003210	4114 39th Avenue Southwest	2	1	55	144	2	53	72	none	28	35	none
WS7722	952003203	4110 39th Avenue Southwest	2	1	55	152	2	52	72	none	27	35	none
WS7721	952003188	4104 39th Avenue Southwest	2	1	55	171	2	50	72	none	25	35	none
WS7720	952003184	3817 Southwest Dakota Street	2	1	55	194	2	48	72	none	23	35	none
WS7695	952001090	4060 39th Avenue Southwest	2	1	55	242	2	44	72	none	20	35	none
WS6683	952003395	4135 38th Avenue Southwest	2	1	55	218	2	46	72	none	22	35	none
WS6684	952003385	4129 38th Avenue Southwest	2	1	55	199	2	47	72	none	23	35	none
WS6685	952003370	4125 38th Avenue Southwest	2	1	55	175	2	49	72	none	25	35	none
WS6686	952003360	4121 38th Avenue Southwest	2	1	55	157	2	51	72	none	26	35	none
WS7730	952003350	4117 38th Avenue Southwest	2	1	55	145	2	53	72	none	27	35	none
WS7727	952003340	4111 38th Avenue Southwest	2	1	55	140	2	53	72	none	28	35	none
WS7726	952003330	4109 38th Avenue Southwest	2	1	55	142	2	53	72	none	28	35	none
WS7725	952003315	4107 38th Avenue Southwest	2	1	55	141	2	53	72	none	28	35	none
WS7724	952003305	4103 38th Avenue Southwest	2	1	55	138	2	54	72	none	28	35	none
WS7690	952000955	4059 38th Avenue Southwest	2	1	55	178	2	49	72	none	24	35	none
WS7687	952000945	4055 38th Avenue Southwest	2	1	55	204	2	47	72	none	23	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7686	952000935	4051 38th Avenue Southwest	2	1	55	241	2	44	72	none	20	35	none
WS7675	952000775	4042 38th Avenue Southwest	2	1	55	233	2	45	72	none	21	35	none
WS7676	952000780	4046 38th Avenue Southwest	2	1	55	202	2	47	72	none	23	35	none
WS7677	952000800	4050 38th Avenue Southwest	2	1	55	178	2	49	72	none	24	35	none
WS7680	952000805	4054 38th Avenue Southwest	2	1	55	154	2	52	72	none	27	35	none
WS7681	952000815	3720 Southwest Dakota Street	2	1	55	134	2	54	72	none	29	35	none
WS7731	952003455	4102 38th Avenue Southwest	2	1	55	133	2	54	72	none	29	35	none
WS7732	952003459	4106 38th Avenue Southwest	2	1	55	133	2	54	72	none	29	35	none
WS7733	952003464	4110 38th Avenue Southwest	2	1	55	139	2	53	72	none	28	35	none
WS7734	952003480	4112 38th Avenue Southwest	2	1	55	156	2	51	72	none	26	35	none
WS7735	952003490	4116 38th Avenue Southwest	2	1	55	176	2	49	72	none	25	35	none
WS6696	952003500	4120 38th Avenue Southwest	2	1	55	201	2	47	72	none	23	35	none
WS7731	952003455	4102 38th Avenue Southwest	2	1	55	129	2	55	72	none	29	35	none
WS6695	952003505	4126 38th Avenue Southwest	2	1	55	231	2	45	72	none	21	35	none
WS6682	952003405	4139 38th Avenue Southwest	2	1	55	246	2	44	72	none	20	35	none
WS6707	952003615	4119 37th Avenue Southwest	2	1	55	240	2	44	72	none	20	35	none
WS6710	952003605	4115 37th Avenue Southwest	2	1	55	208	2	46	72	none	22	35	none
WS7740	952003595	4111 37th Avenue Southwest	2	1	55	182	2	49	72	none	24	35	none
WS7737	952003585	4107 37th Avenue Southwest	2	1	55	147	2	53	72	none	27	35	none
WS7736	952003575	4103 37th Avenue Southwest	2	1	55	134	2	54	72	none	29	35	none
WS7671	952000675	4059 37th Avenue Southwest	2	1	55	127	2	55	72	none	30	35	none
WS7670	952000665	4055 37th Avenue Southwest	2	1	55	128	2	55	72	none	29	35	none
WS7667	952000650	4049 37th Avenue Southwest	2	1	55	150	2	52	72	none	27	35	none
WS7666	952000640	4045 37th Avenue Southwest	2	1	55	178	2	49	72	none	24	35	none
WS7665	952000630	4041 37th Avenue Southwest	2	1	55	212	2	46	72	none	22	35	none
WS7664	952000620	4037 37th Avenue Southwest	2	1	55	242	2	44	72	none	20	35	none
WS7013	952003710	4112 37th Avenue Southwest	2	1	55	232	2	45	72	none	21	35	none
WS7742	952003705	4106 37th Avenue Southwest	2	1	55	192	2	48	72	none	23	35	none
WS7741	952003695	3617 Southwest Dakota Street	2	1	55	159	2	51	72	none	26	35	none
WS7661	952000530	4060 37th Avenue Southwest	2	1	55	124	2	55	72	none	30	35	none
WS7660	952000525	3616 Southwest Dakota Street	2	1	55	123	2	56	72	none	30	35	none
WS7657	952000520	4050 37th Avenue Southwest	2	1	55	124	2	55	72	none	30	35	none
WS7656	952000505	4044 37th Avenue Southwest	2	1	55	135	2	54	72	none	29	35	none
WS7655	952000495	4040 37th Avenue Southwest	2	1	55	156	2	52	72	none	26	35	none
WS7654	952000485	4036 37th Avenue Southwest	2	1	55	184	2	49	72	none	24	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7653	952000475	4032 37th Avenue Southwest	2	1	55	226	2	45	72	none	21	35	none
WS7743	952003815	4101 36th Avenue Southwest	2	1	55	191	2	48	72	none	23	35	none
WS7744	952003825	4105 36th Avenue Southwest	2	1	55	224	2	45	72	none	21	35	none
WS7647	952000405	4061 36th Avenue Southwest	2	1	55	125	2	55	72	none	30	35	none
WS7646	952000395	4055 36th Avenue Southwest	2	1	55	122	2	56	72	none	30	35	none
WS7645	952000385	4051 36th Avenue Southwest	2	1	55	122	2	56	72	none	30	35	none
WS7644	952000370	4045 36th Avenue Southwest	2	1	55	126	0	53	72	none	28	35	none
WS7643	952000365	4039 36th Avenue Southwest	2	1	55	144	0	51	72	none	26	35	none
WS7642	952000355	4035 36th Avenue Southwest	2	1	55	186	0	47	72	none	22	35	none
WS7641	952000345	4029 36th Avenue Southwest	2	1	55	225	0	43	72	none	20	35	none
WS7626	952000195	4022 36th Avenue Southwest	2	1	55	234	0	43	72	none	19	35	none
WS7627	952000210	4026 36th Avenue Southwest	2	1	55	205	0	45	72	none	21	35	none
WS7630	952000215	4034 36th Avenue Southwest	2	1	55	161	0	49	72	none	24	35	none
WS7631	952000230	4040 36th Avenue Southwest	2	1	55	129	0	53	72	none	28	35	none
WS7632	952000240	4044 36th Avenue Southwest	2	1	55	119	0	54	72	none	29	35	none
WS7633	952000246	4048 36th Avenue Southwest	2	1	55	120	0	54	72	none	29	35	none
WS7634	952000260	4054 36th Avenue Southwest	2	1	55	120	0	54	72	none	29	35	none
WS7635	952000270	4058 36th Avenue Southwest	2	1	55	134	0	52	72	none	27	35	none
WS7745	952003935	4102 36th Avenue Southwest	2	1	55	214	0	44	72	none	20	35	none
WS7055	952004080	3509 Southwest Dakota Street	2	1	55	234	0	43	72	none	19	35	none
WS7746	952004085	4103 35th Avenue Southwest	2	1	55	238	0	42	72	none	19	35	none
WS7622	952000135	4059 35th Avenue Southwest	2	1	55	147	0	51	72	none	26	35	none
WS7621	952000125	4055 35th Avenue Southwest	2	1	55	126	0	53	72	none	28	35	none
WS7620	952000115	4049 35th Avenue Southwest	2	1	55	107	0	56	72	none	31	35	none
WS7617	952000105	4045 35th Avenue Southwest	2	1	55	107	0	56	72	none	31	35	none
WS7616	952000095	4041 35th Avenue Southwest	2	1	55	109	0	56	72	none	30	35	none
WS7615	952000085	4035 35th Avenue Southwest	2	1	55	126	0	53	72	none	28	35	none
WS7614	952000075	4029 35th Avenue Southwest	2	1	55	157	0	50	72	none	25	35	none
WS7613	952000065	4025 35th Avenue Southwest	2	1	55	196	0	46	72	none	21	35	none
WS5180	9297301485	4117 Fauntleroy Way Southwest	2	1	55	457	0	36	72	none	11	35	none
WS5177	9297301490	4121 Fauntleroy Way Southwest	2	1	55	462	0	36	72	none	11	35	none
WS5176	9297301495	4127 Fauntleroy Way Southwest	2	1	55	461	0	36	72	none	11	35	none
WS5175	9297301500	4129 Fauntleroy Way Southwest	2	1	55	466	0	36	72	none	11	35	none
WS5174	9297301505	4135 Fauntleroy Way Southwest	2	1	55	469	0	36	72	none	11	35	none
WS5173	9297301510	4137 Fauntleroy Way Southwest	2	1	55	485	0	36	72	none	11	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS5172	9297301515	4141 Fauntleroy Way Southwest	2	1	55	499	0	35	72	none	11	35	none
WS5171	9297301520	4145 Fauntleroy Way Southwest	2	1	55	515	0	35	72	none	10	35	none
WS5170	9297301525	4147 Fauntleroy Way Southwest	2	1	55	532	0	35	72	none	10	35	none
WS7870	9297301690	4046 35th Avenue Southwest	2	1	55	173	0	48	72	none	23	35	none
WS7871	9297301695	4040 35th Avenue Southwest	2	1	55	136	0	52	72	none	27	35	none
WS7872	9297301700	4036 35th Avenue Southwest	2	1	55	115	0	55	72	none	29	35	none
WS7873	9297301705	4032 35th Avenue Southwest	2	1	55	107	0	56	72	none	31	35	none
WS7874	9297301710	4030 35th Avenue Southwest	2	1	55	115	0	55	72	none	29	35	none
WS7875	9297301715	4026 35th Avenue Southwest	2	1	55	116	0	55	72	none	29	35	none
WS7876	9297301720	4020 35th Avenue Southwest	2	1	55	132	0	53	72	none	27	35	none
WS7877	9297301730	4014 35th Avenue Southwest	2	1	55	175	0	48	72	none	23	35	none
WS7880	9297301735	4010 35th Avenue Southwest	2	1	55	201	0	45	72	none	21	35	none
WS7881	9297301740	4006 35th Avenue Southwest	2	1	55	241	0	42	72	none	19	35	none
WS7864	9297301635	4001 34th Avenue Southwest	2	1	55	325	0	39	72	none	15	35	none
WS7865	9297301640	4005 34th Avenue Southwest	2	1	55	296	0	40	72	none	16	35	none
WS7866	9297301645	4009 34th Avenue Southwest	2	1	55	269	0	41	72	none	17	35	none
WS7867	9297301650	4011 34th Avenue Southwest	2	1	55	251	0	42	72	none	18	35	none
WS7356	9297301655	4017 34th Avenue Southwest	2	1	55	236	0	43	72	none	19	35	none
WS7357	9297301660	4021 34th Avenue Southwest	2	1	55	224	0	43	72	none	20	35	none
WS7358	9297301665	4025 34th Avenue Southwest	2	1	55	220	0	44	72	none	20	35	none
WS7359	9297301670	4029 34th Avenue Southwest	2	1	55	195	0	46	72	none	21	35	none
WS7360	9297301675	4033 34th Avenue Southwest	2	1	55	203	0	45	72	none	21	35	none
WS7362	9297301685	4037 34th Avenue Southwest	2	1	55	177	0	48	72	none	23	35	none
WS7361	9297301680	4045 34th Avenue Southwest	2	1	55	195	0	46	72	none	21	35	none
WS7344	9297301575	4046 34th Avenue Southwest	2	1	55	293	0	40	72	none	16	35	none
WS7345	9297301580	4042 34th Avenue Southwest	2	1	55	292	0	40	72	none	16	35	none
WS7346	9297301585	4038 34th Avenue Southwest	2	1	55	309	0	40	72	none	16	35	none
WS7347	9297301590	4034 34th Avenue Southwest	2	1	55	323	0	39	72	none	15	35	none
WS7348	9297301595	4032 34th Avenue Southwest	2	1	55	327	0	39	72	none	15	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	55	343	0	39	72	none	15	35	none
WS7350	9297301605	4022 34th Avenue Southwest	2	1	55	337	0	39	72	none	15	35	none
WS7351	9297301610	4018 34th Avenue Southwest	2	1	55	357	0	38	72	none	14	35	none
WS7352	9297301615	4014 34th Avenue Southwest	2	1	55	376	0	38	72	none	14	35	none
WS7353	9297301620	4010 34th Avenue Southwest	2	1	55	376	0	38	72	none	13	35	none
WS7354	9297301625	4008 34th Avenue Southwest	2	1	55	393	0	37	72	none	13	35	none

Right-of-Way I.D.	King County Parcel Number	Site Address	Land Use Category ^a	Dwelling Units ^b	Speed (miles per hour) ^c	Distance (feet) ^d	Track Adjustment (VdB) ^e	Predicted Vibration (VdB) ^f	Vibration Limit (VdB)	Vibration Exceedance Amount (VdB)	Predicted G.B.N. (dBA) ^g	G.B.N. Limit (dBA)	G.B.N. Exceedance Amount (dBA)
WS7355	9297301630	4002 34th Avenue Southwest	2	1	55	405	0	37	72	none	13	35	none
WS7337	9297301420	3307 Southwest Andover Street	2	1	55	468	0	36	72	none	11	35	none
WS7391	9297301425	4015 Fauntleroy Way Southwest	2	1	55	535	0	35	72	none	10	35	none
WS7214	9297301428	4019 Fauntleroy Way Southwest	2	1	55	507	0	35	72	none	10	35	none
WS5023	952007660	4530 38th Avenue Southwest	3	1	55	1041	2	31	78	none	5	40	none
WS6347	952006260	4500 California Avenue Southwest	3	1	55	537	2	37	78	none	12	40	none

Notes:

Category 1 predictions are made using building specific data. Predictions, limits, and results are covered in Section 6.4, Construction Vibration Impacts.

Properties not included in this table are either outside of the analysis area or are assumed to be displaced by this alternative.

^a Land use categories are based on existing ambient levels and the FTA Manual categories. Land use category: 1 = Buildings where vibration may interfere with interior operations, 2 = Residences and buildings where people normally sleep, 3 = Institutional land uses with primarily daytime use.

^b Total number of dwelling units at the sensitive receiver.

^c Speed used for the vibration analysis.

^d Slant distance between the receiver and the near track centerline.

^e Adjustment added to predictions for nearby crossovers or track curvature per equations described in Section 4.2.1, Operational Vibration Prediction Methods.

^f Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^g Predicted groundborne noise level.

dBA = A-weighted decibels

G.B.N. = groundborne noise

I.D. = identification

VdB = vibration decibels

This page is intentionally left blank.

Attachment N.3H
Vibration Analysis of Category 1 Uses and
Special Buildings

This page is intentionally left blank.

Contents

CONTENTS	N.3H-I
ACRONYMS AND ABBREVIATIONS.....	N.3H-II
1 HARBOR ISLAND MACHINE WORKS.....	N.3H-1
1.1 Description of Sensitive Spaces.....	N.3H-1
1.2 Existing Vibration Levels.....	N.3H-2
1.3 Vibration Propagation Measurement Description	N.3H-4
1.4 Vibration Propagation Measurement Results and Predicted Levels	N.3H-5
Figures	
Figure 1-1. Photograph from the Harbor Island Machine Works Machine Shop	N.3H-1
Figure 1-2. Measured 1-second Vibration Levels in the Harbor Island Machine Works Building Addition	N.3H-2
Figure 1-3. Measured 1-second Vibration Levels in the Harbor Island Machine Works Original Workshop	N.3H-3
Figure 1-4. Spectra of Existing Vibration Levels at Harbor Island Machine Works.....	N.3H-3
Figure 1-5. Aerial Photograph of Harbor Island Machine Works Measurement Site	N.3H-4
Figure 1-6. L.S.T.M. and Coherence in Harbor Island Machine Works Building Addition Workshop.....	N.3H-6
Figure 1-7. L.S.T.M. and Coherence in Harbor Island Machine Works Original Building Workshop.....	N.3H-6
Figure 1-8. Measured Building Adjustment at Harbor Island Machine Works	N.3H-7
Figure 1-9. Predicted Vibration Levels at Harbor Island Machine Works	N.3H-8
Tables	
Table 1-1. Background Noise and Vibration Levels at Harbor Island Machine Works....	N.3H-2
Table 1-2. Predicted Vibration Levels at Harbor Island Machine Works with North Crossing Alternative (DUW-2), Duwamish Segment.....	N.3H-8

Acronyms and Abbreviations

ACT	A Contemporary Theater
dBA	A-weighted decibels
FTA	Federal Transit Administration
Leq	equivalent sound level
L.S.T.M.	line source transfer mobility
M.R.I.	magnetic resonance imaging
N.M.R.	nuclear magnetic resonance
P.S.T.M.	point source transfer mobility
R.M.S.	root-mean square
SIFF	Seattle International Film Festival
V.C.	vibration criteria
VdB	vibration velocity decibels

1 HARBOR ISLAND MACHINE WORKS

1.1 Description of Sensitive Spaces

Harbor Island Machine Works is a precision machine shop at 3431 11th Avenue Southwest on Harbor Island in the Duwamish Segment of the West Seattle Link Extension. The machine shop building is composed of an original structure with additions. Their equipment includes mills, lathes, computer numerical control tools, and other machining equipment. Some equipment relies on laser calibration systems, and it is important that high vibration levels not cause interference while machining parts. No photographs are allowed in the machine shop due to the potentially sensitive nature of parts being machined. Figure 1-1 shows a photograph of a mill provided by Harbor Island Machine Works.

The Federal Transit Administration (FTA) workshop criteria for vibration were applied to the Harbor Island Machine Works site. The workshop threshold of 90 vibration velocity decibels (VdB) are appropriate for areas where vibration can be distinctly felt but are not as sensitive to vibration as typical office spaces or institutional land uses. Even though the criteria for Harbor Island Machine Works are higher than Category 2 or 3 land uses, it is considered a Category 1 land use because vibration could interfere with operations. This distinction is particularly important when considering construction vibration limits. Construction vibration limits for Category 2 or 3 land uses is typically based on potential risk for damage, where construction vibration limits for Category 1 buildings is based on potential for interference.

Figure 1-1. Photograph from the Harbor Island Machine Works Machine Shop



Source: Harbor Island Machine Works 2021
(used with permission)

1.2 Existing Vibration Levels

Existing vibration levels were measured over three 15-minute periods at two locations at the Harbor Island Machine Shop. One sensor was in the more recent building addition, about 12 feet from the south wall of the building. The second sensor was about 68 feet from the south wall of the building in the original workshop. Normal business activity was on-going during the ambient vibration measurements.

The measured equivalent vibration levels (Leq) over the 45-minute duration of the measurement are shown in Table 1-1 for the two measurement positions. Figures 1-2 and 1-3 show the 1-second vibration levels over the measurement duration. Figure 1-4 shows the spectra of the vibration levels. At high frequencies, the existing vibration levels in the original workshop are higher than the vibration levels in the building addition. This may be due to the type of equipment that was operating nearby, or it may be due to differences in the building foundations. For both measurement positions, the existing vibration levels are relatively high at frequencies below 40 hertz.

Table 1-1. Background Noise and Vibration Levels at Harbor Island Machine Works

Monitoring Location	Vibration level (45 min Leq)
Building Addition	68 VdB
Original Workshop	68 VdB

Figure 1-2. Measured 1-second Vibration Levels in the Harbor Island Machine Works Building Addition

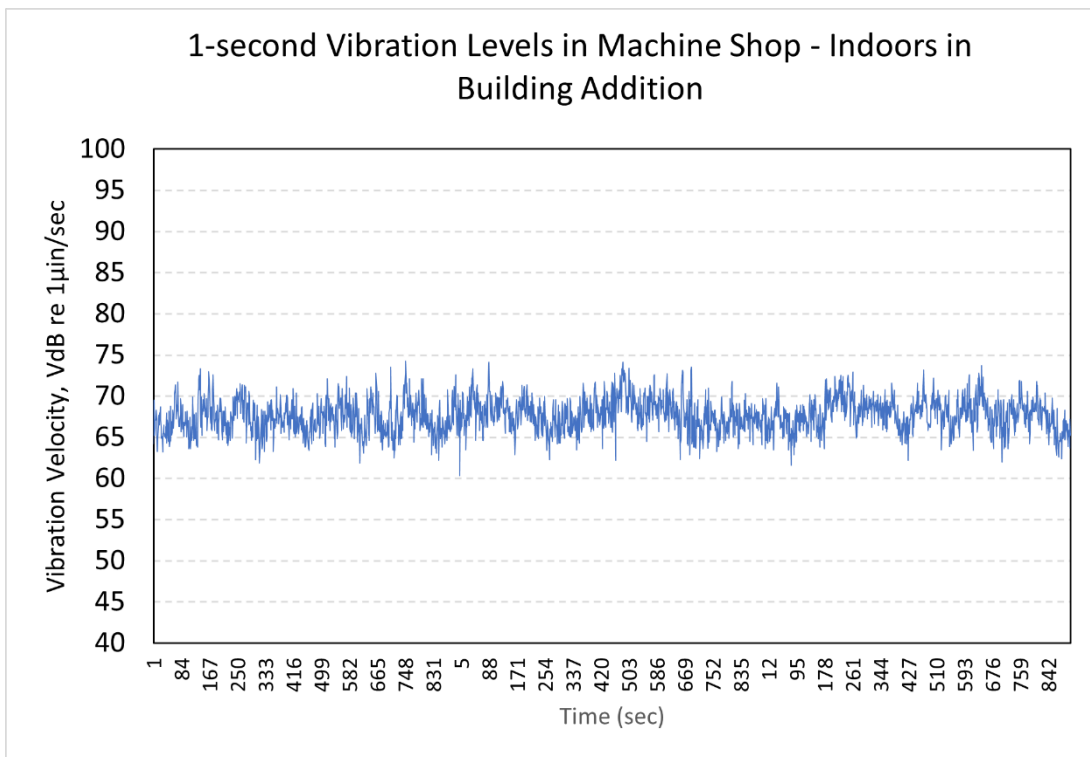


Figure 1-3. Measured 1-second Vibration Levels in the Harbor Island Machine Works Original Workshop

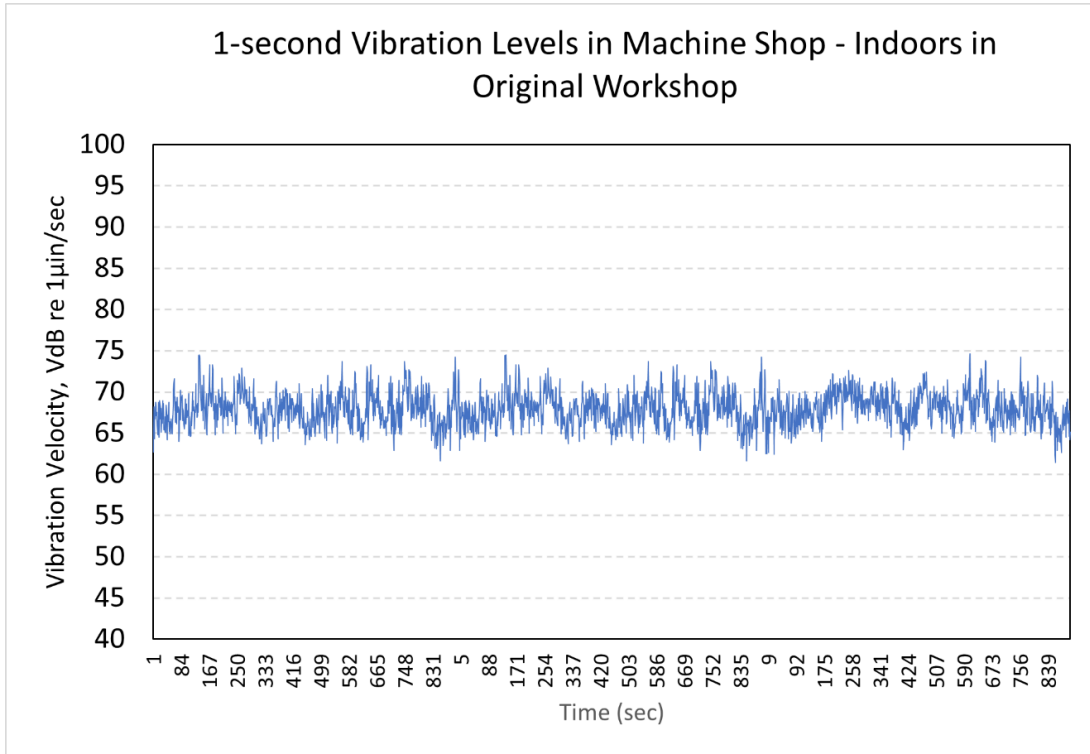
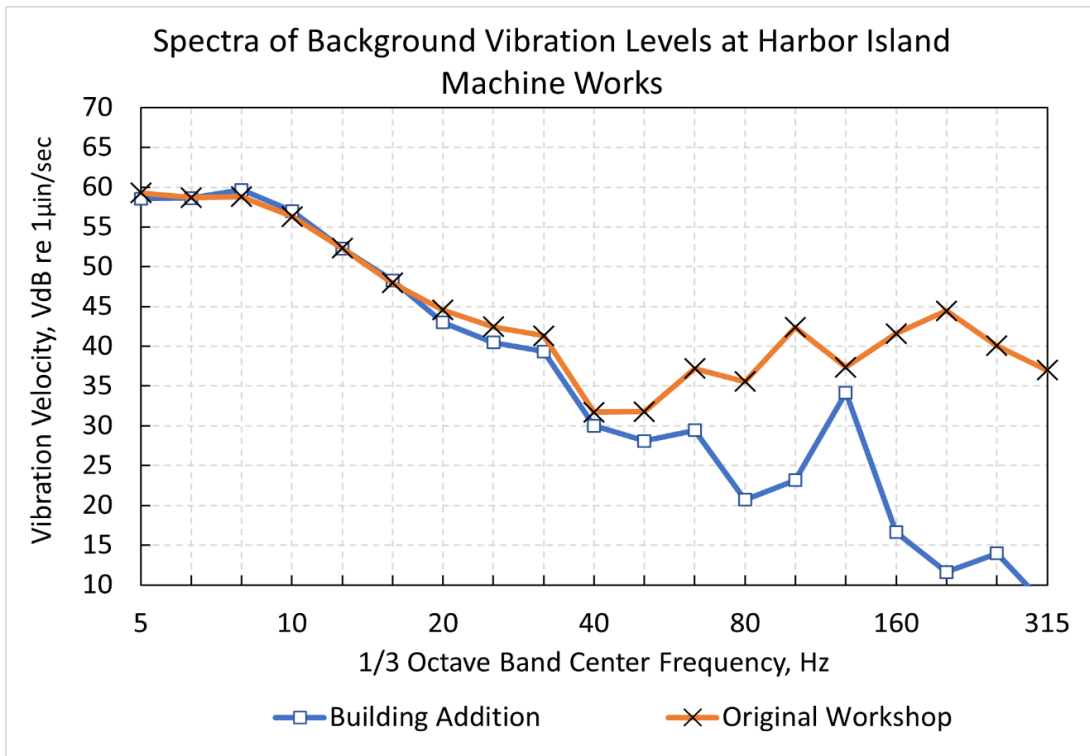


Figure 1-4. Spectra of Existing Vibration Levels at Harbor Island Machine Works



1.3 Vibration Propagation Measurement Description

In the vibration propagation measurement, an impact hammer was used near the proposed location of the light rail trackway to impart a force into the ground. The vibration response was measured at representative locations. At Harbor Island Machine Works, the impact hammer was positioned in the parking area 48 feet from the south façade of the building. The hammer was operated at 11 positions spaced 15 feet apart to simulate the length of a train.

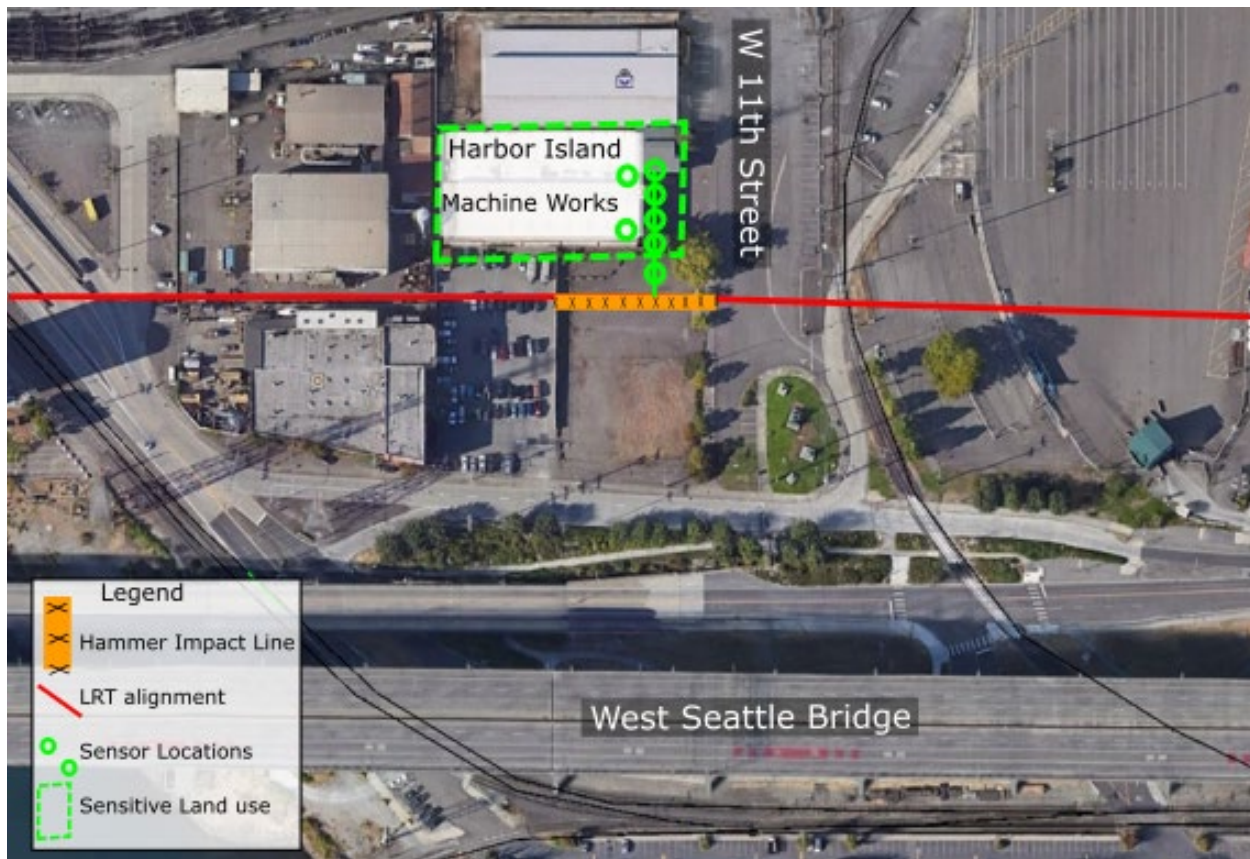
The vibration levels were measured at five outdoor positions and two indoor positions. The outdoor measurement locations are used to quantify how vibration levels decrease with distance from the impact force. The outdoor vibration measurements are also used as a reference to examine how levels change as the vibration travels from the soil into the building structure.

The two indoor measurement locations are the same locations where existing vibration levels were measured, as follows:

- In the building addition, about 12 feet from the south building façade
- In the original workshop, about 68 feet from the south building façade

Figure 1-5, which is an aerial photograph of the measurement location, shows the hammer impact line in the parking area and the approximate locations of the accelerometers extending north from the impact line. The proposed light rail alignment would be parallel to the West Seattle Bridge, about 85 feet from the Harbor Island Machine works façade.

Figure 1-5. Aerial Photograph of Harbor Island Machine Works Measurement Site



1.4 Vibration Propagation Measurement Results and Predicted Levels

The result of the vibration propagation test is the line source transfer mobility (L.S.T.M.), which is a measure of how efficiently vibration propagates through the soil. Coherence is a measure of the quality of the L.S.T.M. results and varies between 0 and 1. A coherence value of 1 indicates that the vibration response and the force generated by the dropped weight are closely related. The L.S.T.M. and coherence results for the indoor measurement positions near the impact line and the closest outdoor measurement positions are shown in Figures 1-6 and 1-7. The outdoor measurement positions are labeled with their distance from the hammer impact line in the figures. Observations from the L.S.T.M. and coherence results are as follows:

- The L.S.T.M. from the outdoor and indoor measurement positions have relatively high levels at low frequencies. The low coherence at low frequencies and the high existing vibration levels at low frequencies indicate the high L.S.T.M. values are likely an overestimate due to poor signal-to-noise ratio between the input force and the measurement vibration response.
- The outdoor measurement position at 60 feet has a peak in the L.S.T.M. at 50 hertz. There is also a peak in the coherence at this frequency, which indicates there is efficient propagation at 50 hertz to this sensor position. The outdoor measurement position at 116 feet does not show a similar peak at 50 hertz. It is not clear if the peak at 50 hertz is unique to the sensor position, or if there is similarly efficient propagation at 50 hertz and 60 feet throughout the property.
- The L.S.T.M. in the original workshop trends up at higher frequencies, but there is low coherence at these frequencies. These results at high frequencies are likely an overestimate due to poor signal-to-noise ratio.

Figure 1-6. L.S.T.M. and Coherence in Harbor Island Machine Works Building Addition Workshop

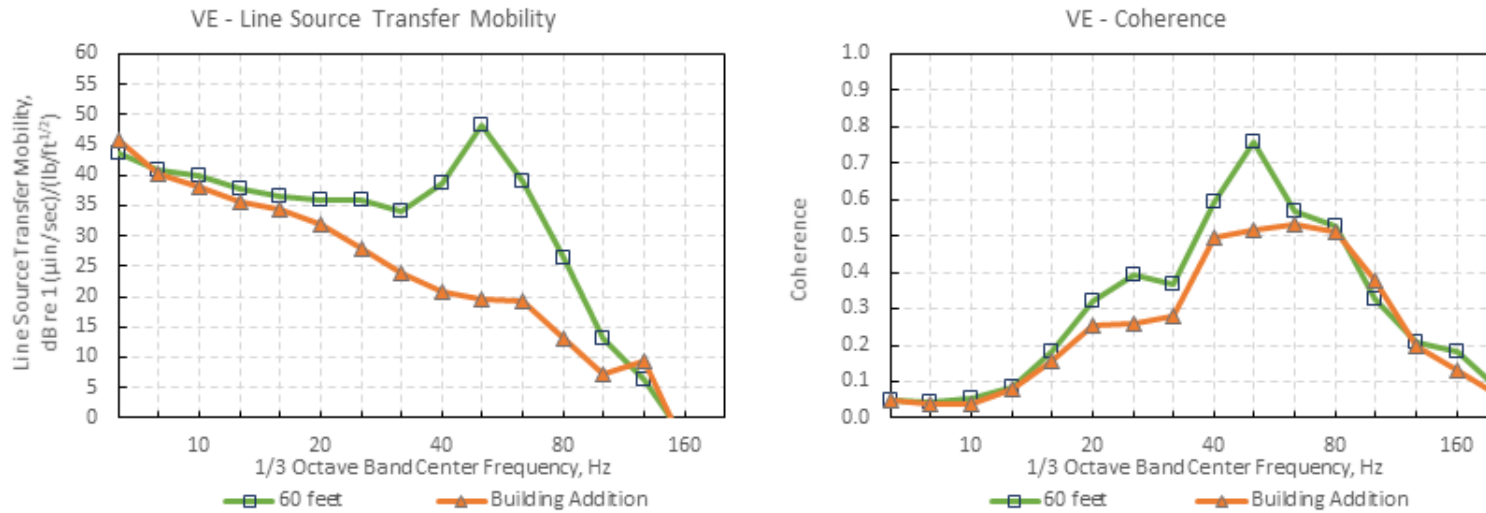
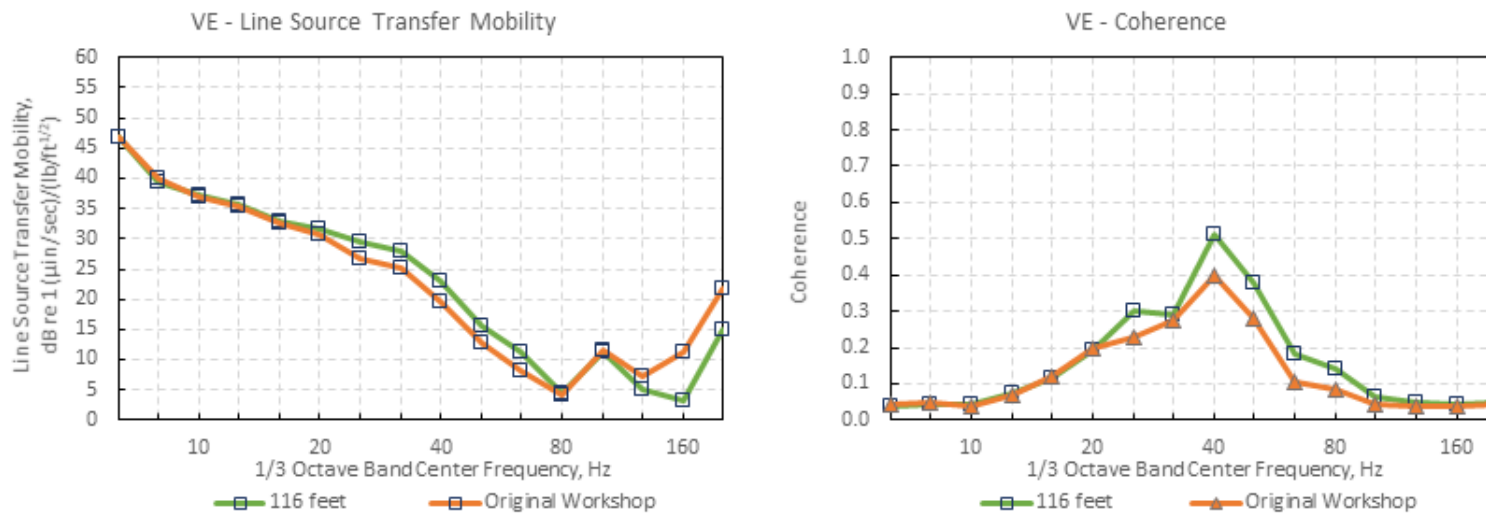
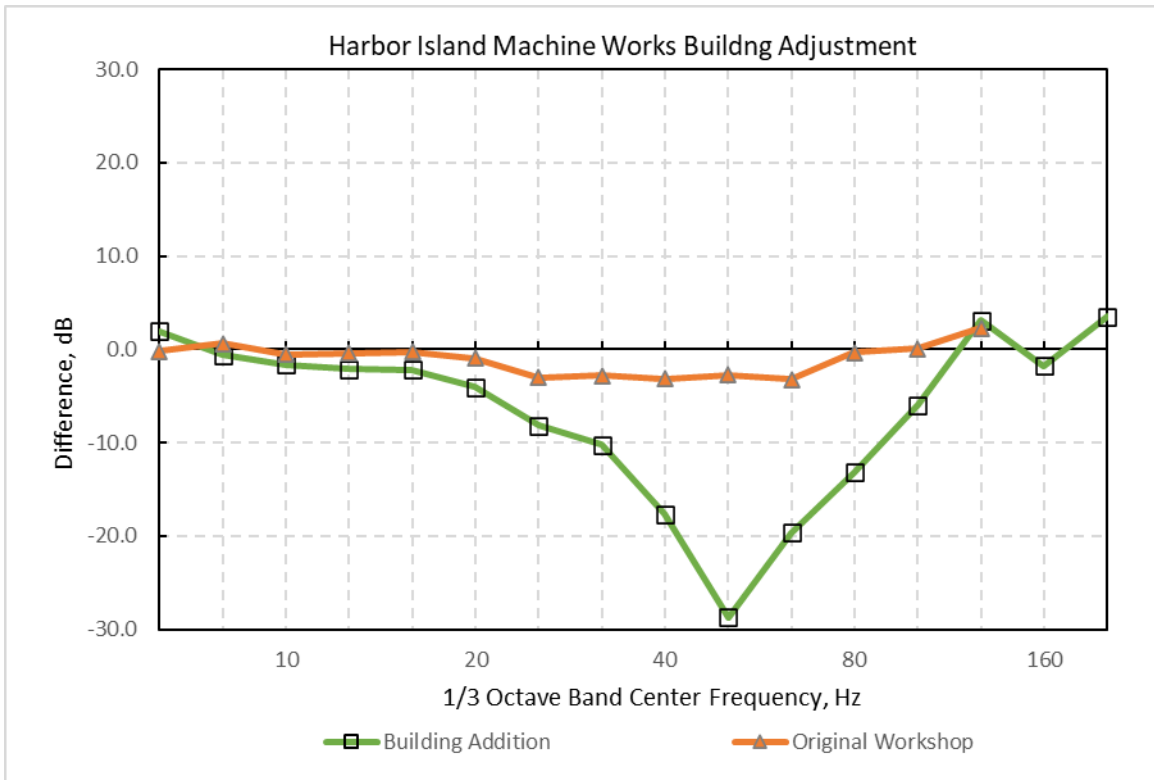


Figure 1-7. L.S.T.M. and Coherence in Harbor Island Machine Works Original Building Workshop



The building adjustment applied in the prediction model to account for the building coupling loss and any floor resonances is the difference between the outdoor L.S.T.M. at an equivalent setback distance and the indoor L.S.T.M. The building adjustment for the workshops at Harbor Island Machine Works is shown in Figure 1-8. No building adjustment is applied for the original workshop at 160- and 200-hertz 1/3-octave bands because the L.S.T.M. and coherence data indicate there is a poor relationship between the force and the measured vibration response. Figure 1-8 shows significant vibration reduction from the building addition, between 30 hertz and 100 hertz. The data may be overstating the building loss due to unusually efficient vibration propagation to the outdoor sensor position. The data for the original workshop shows building loss between 0 decibel and 5 decibels across the mid-frequencies, which is typical for slab-on-grade buildings.

Figure 1-8. Measured Building Adjustment at Harbor Island Machine Works



The predicted levels using the L.S.T.M. coefficients for site V-E (Harbor Island Machine Works) and the building adjustment in Figure 1-8 are presented in Table 1-2 for the Duwamish Segment Alternative DUW-2. The other Duwamish Segment alternatives would be south of the West Seattle Bridge and more than 500 feet from the Harbor Island Machine Works building. The levels are predicted for the building addition, the original workshop, and without any building adjustment. There is no safety factor added to the predicted levels because the predictions use site-specific L.S.T.M. levels and there is a 3-decibel safety factor built-in to the force density level.

The spectra of the predicted vibration levels are plotted in Figure 1-9. The 1/3-octave bands with the highest predicted vibration levels are 10 hertz and 12 hertz, where there was relatively high L.S.T.M. and force density levels, but low coherence. Where there are relatively high L.S.T.M. levels with low coherence, the vibration predictions are likely to be an overprediction due to high background levels.

The predicted vibration levels from train operations would not exceed the FTA criteria, so no mitigation measures are proposed. However, pile-driving during construction could exceed the FTA criteria. Vibration from construction is addressed in Section 6.4 of the Noise and Vibration Technical Report.

Table 1-2. Predicted Vibration Levels at Harbor Island Machine Works with North Crossing Alternative (DUW-2), Duwamish Segment

Sensitive Receiver	Distance (feet) ^a	Speed (miles per hour)	Predicted Vibration (VdB) ^b	Vibration Limit (VdB)	Amount Exceeds, (decibels) ^c
Building Addition	85	55	73	90	Does not exceed
Original Workshop	85	55	74	90	Does not exceed
No Building Adjustment	85	55	75	90	Does not exceed

^a Slant distance between the receiver and the near track centerline.

^b Predicted maximum 1/3-octave band vibration level; decibels referenced to 1 micro inch per second.

^c The decibel amount that the vibration (VdB) or groundborne noise (A-weighted decibels [dBA]) exceeds the applicable criteria.

Figure 1-9. Predicted Vibration Levels at Harbor Island Machine Works

