

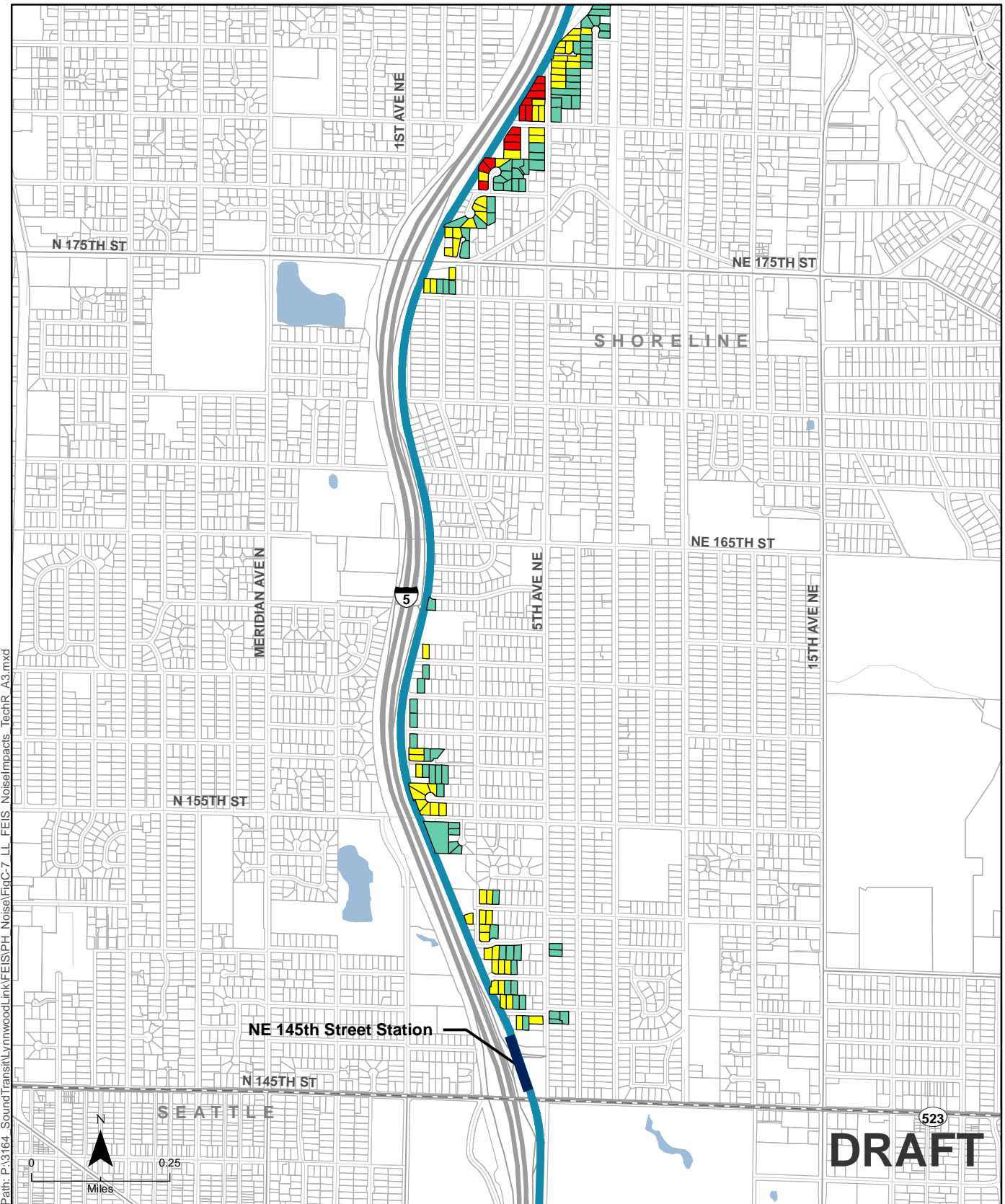
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative A3
- Station Location
- Parcel Boundary

Figure C-7a
Potential Noise Impacts
Alternative A3

Lynnwood Link Extension



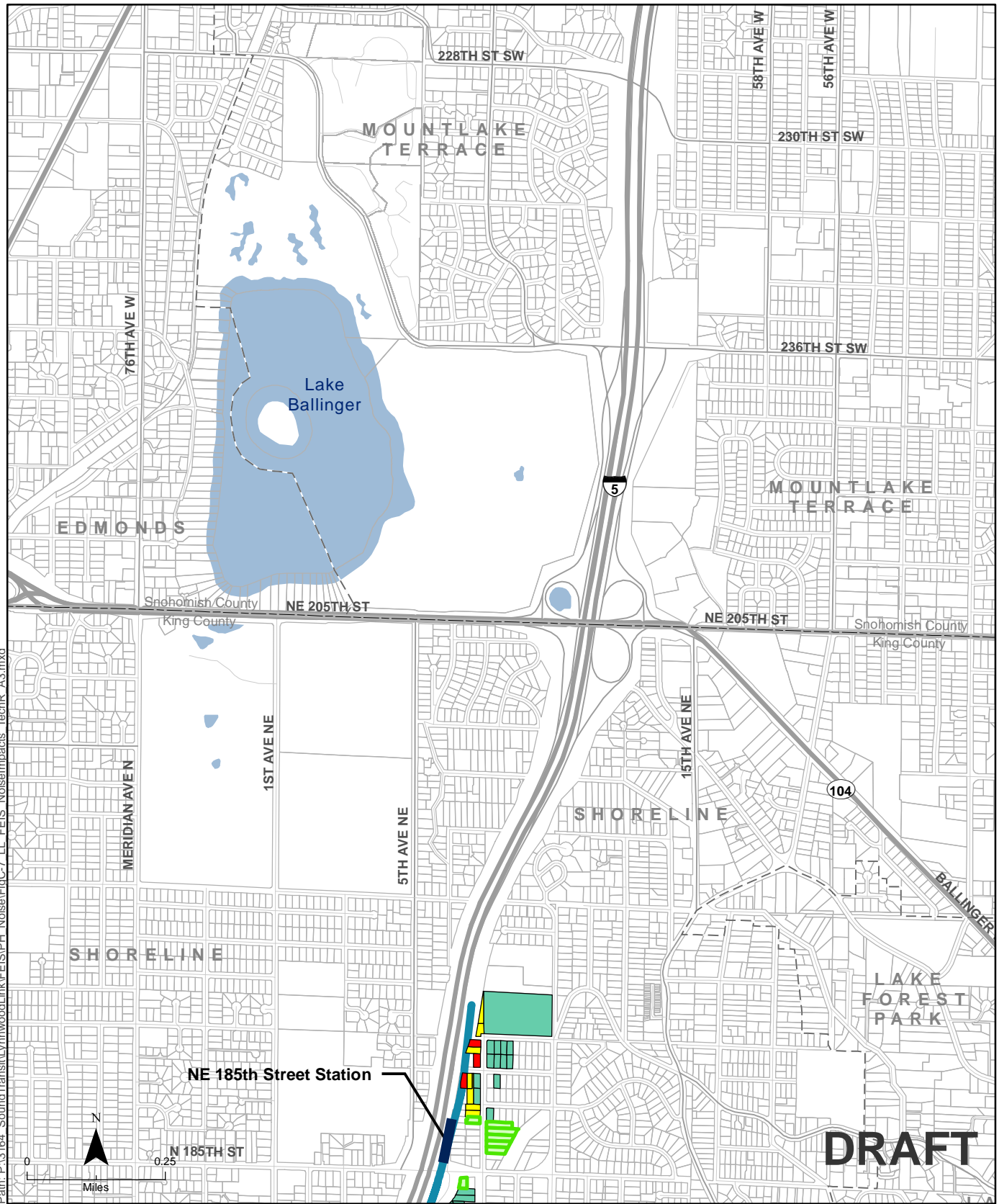
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|---|--|
| Moderate Noise Impact Requiring Mitigation | Alternative A3 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-7b
Potential Noise Impacts
Alternative A3

Lynnwood Link Extension



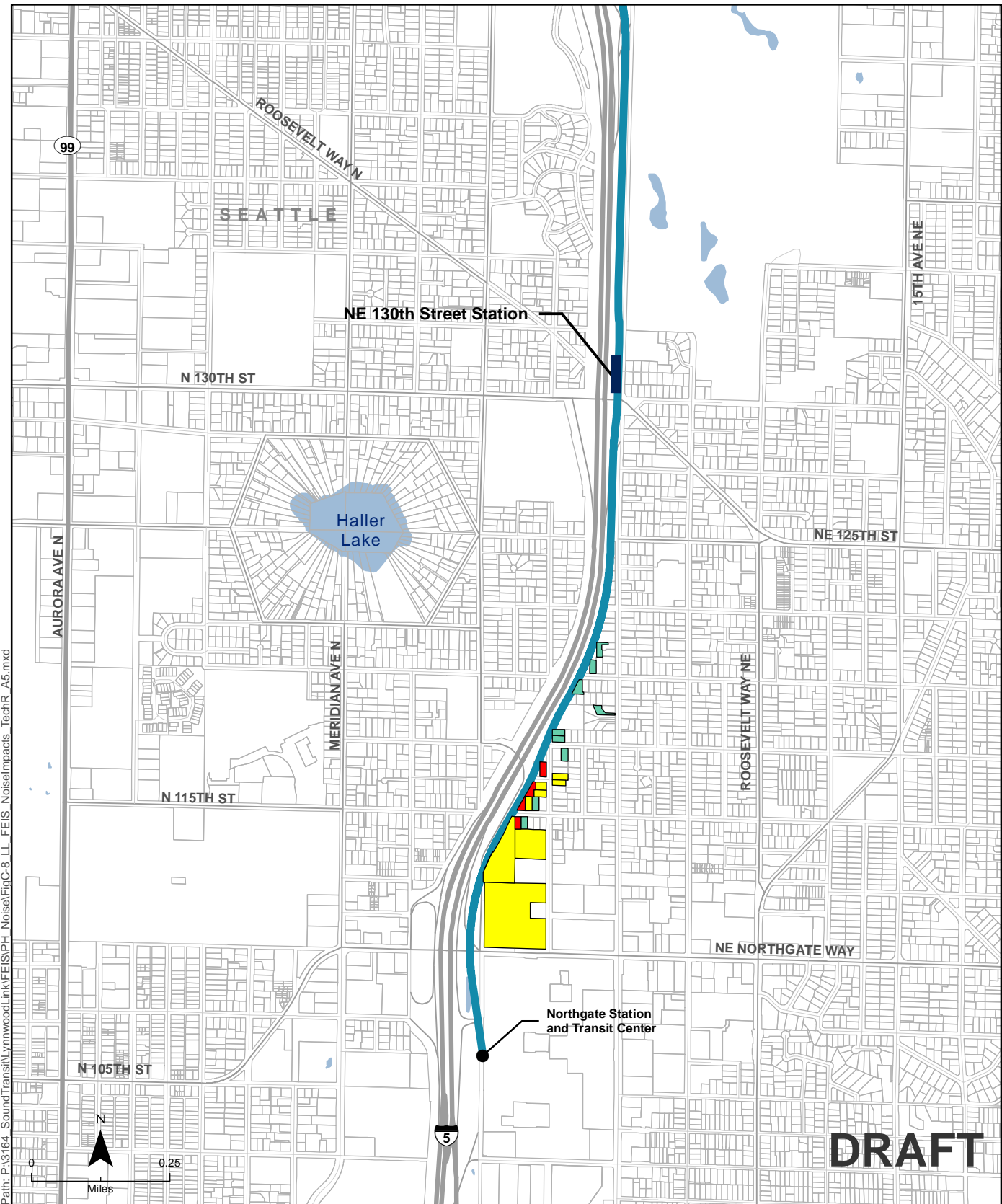
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|---|--|
| Moderate Noise Impact Requiring Mitigation | Alternative A3 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-7c
Potential Noise Impacts
Alternative A3

Lynnwood Link Extension



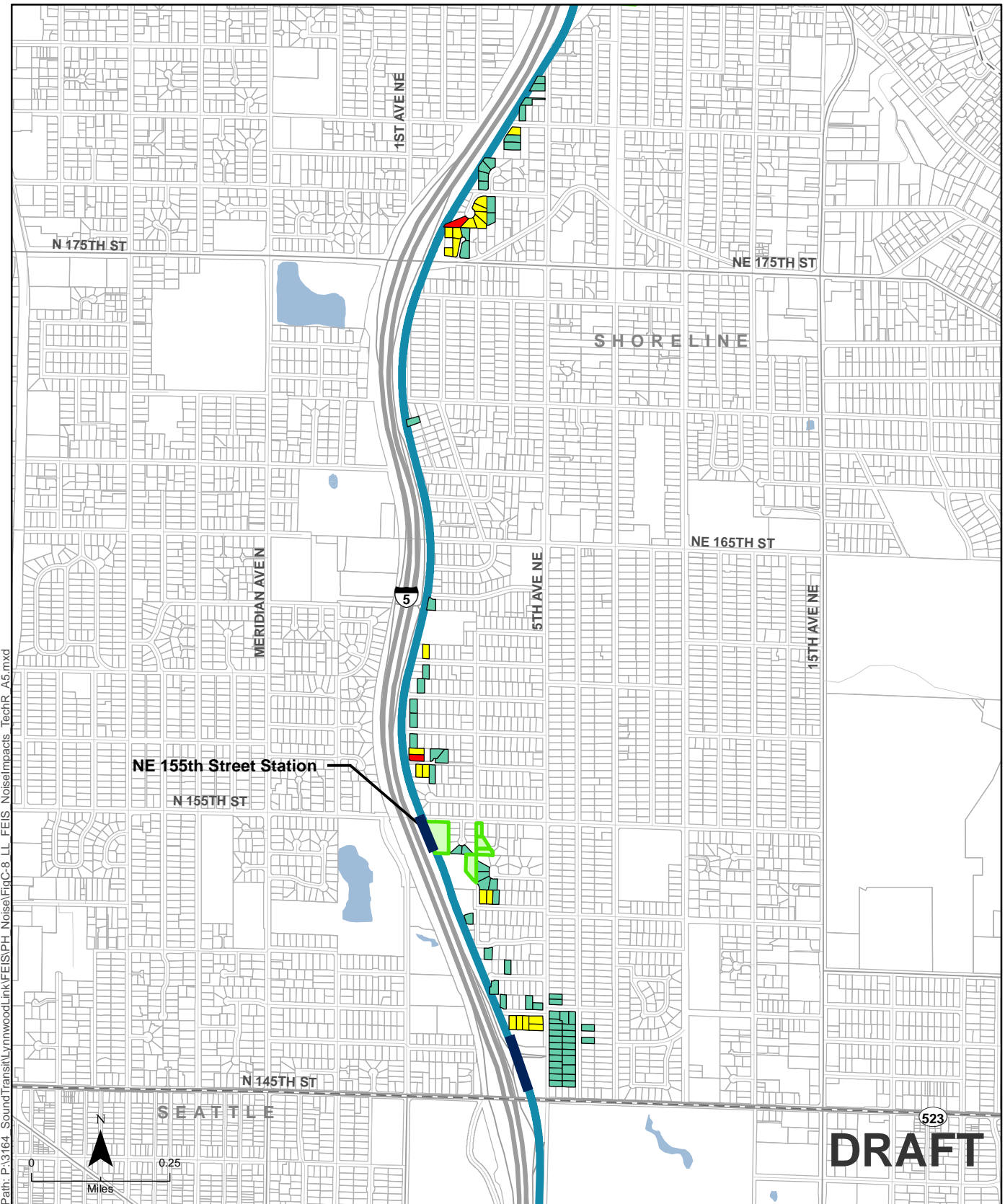
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
 - Park and Ride Moderate Noise Impact Requiring Mitigation
 - Severe Noise Impact Requiring Mitigation
 - Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative A5
 - Station Location
 - Parcel Boundary

Figure C-8a
Potential Noise Impacts
Alternative A5

Lynnwood Link Extension



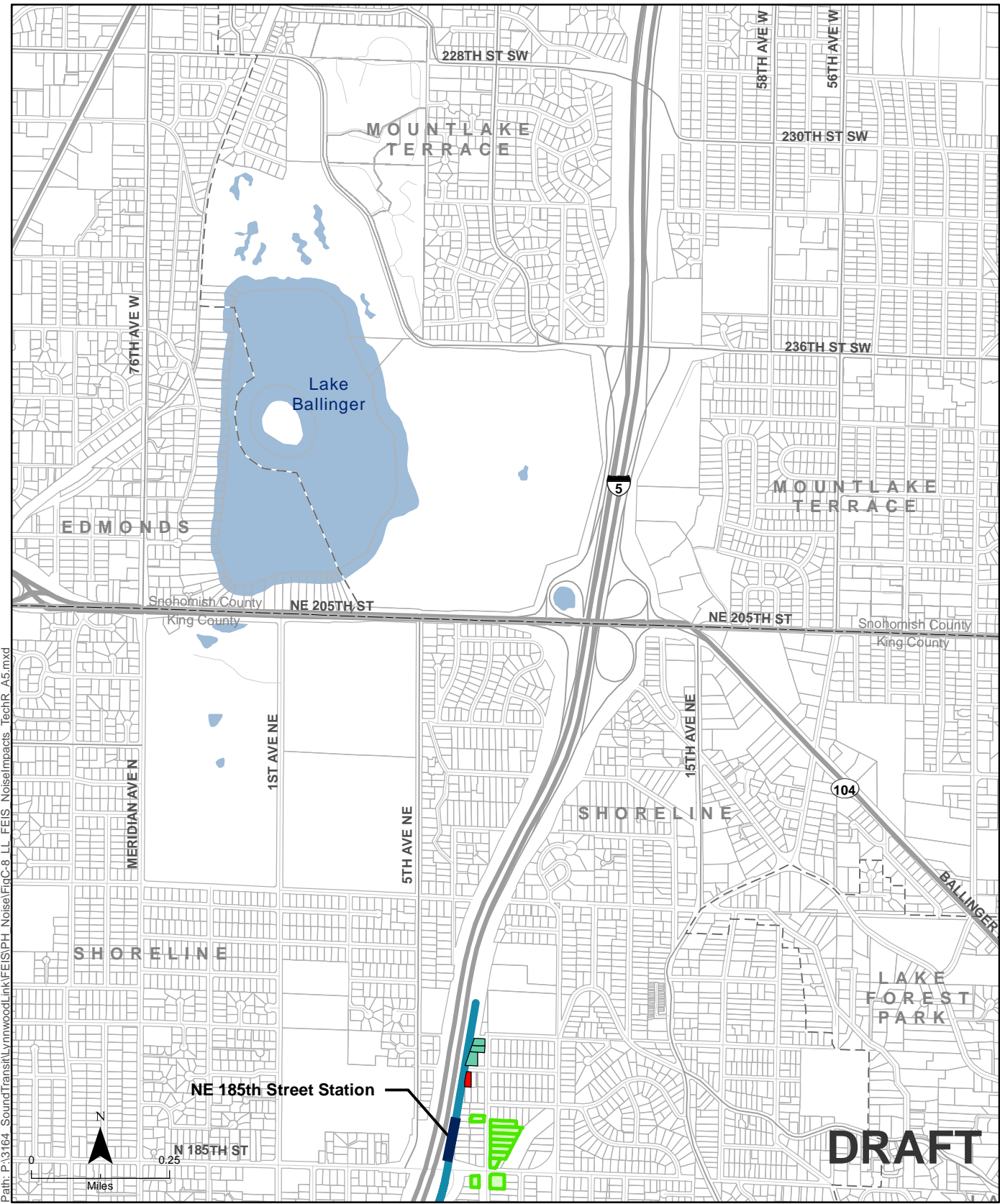
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|--|---|
| Moderate Noise Impact Requiring Mitigation | Alternative A5 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-8b
Potential Noise Impacts
Alternative A5

Lynnwood Link Extension



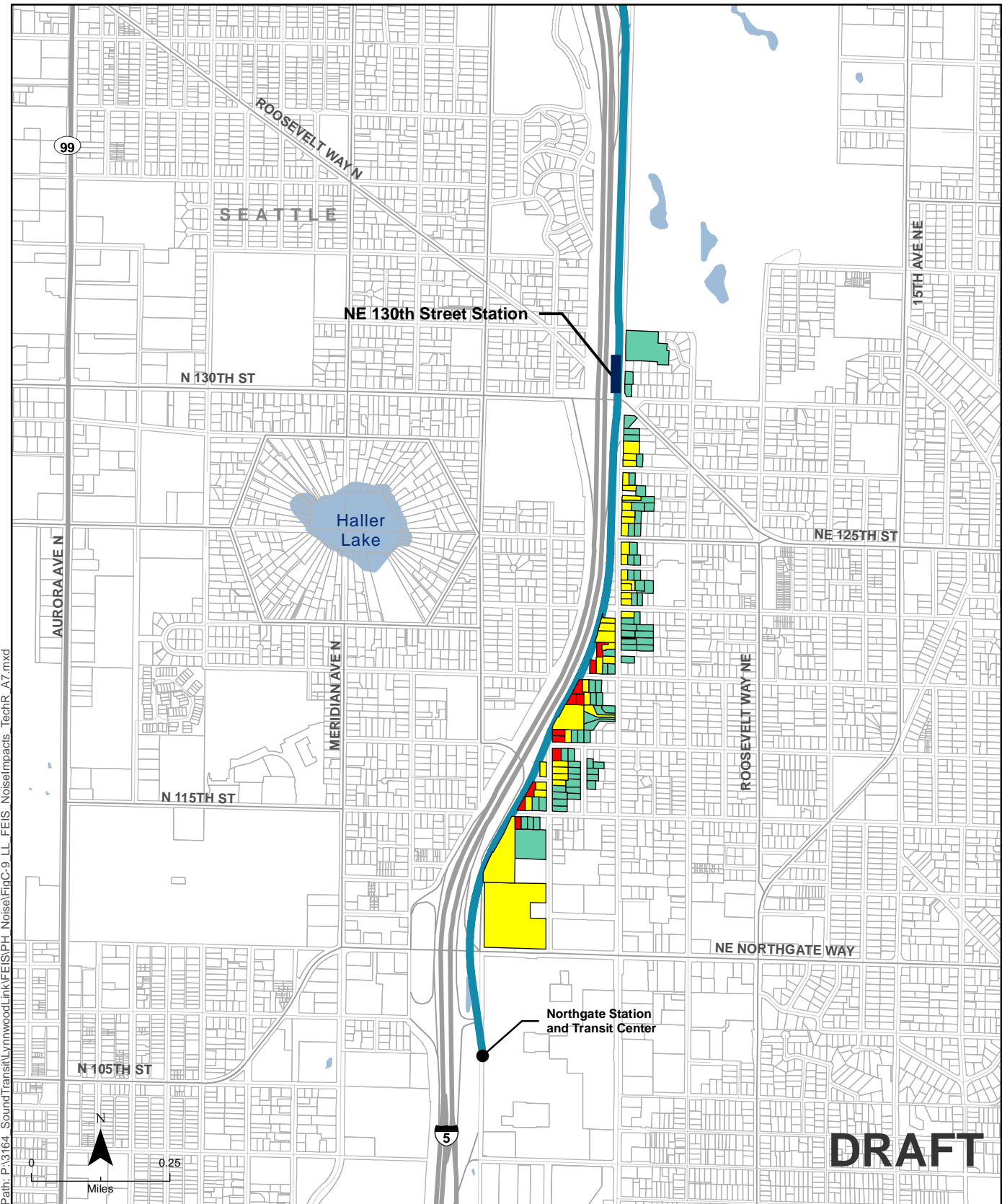
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|---|--|
| Moderate Noise Impact Requiring Mitigation | Alternative A5 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-8c
Potential Noise Impacts
Alternative A5

Lynnwood Link Extension



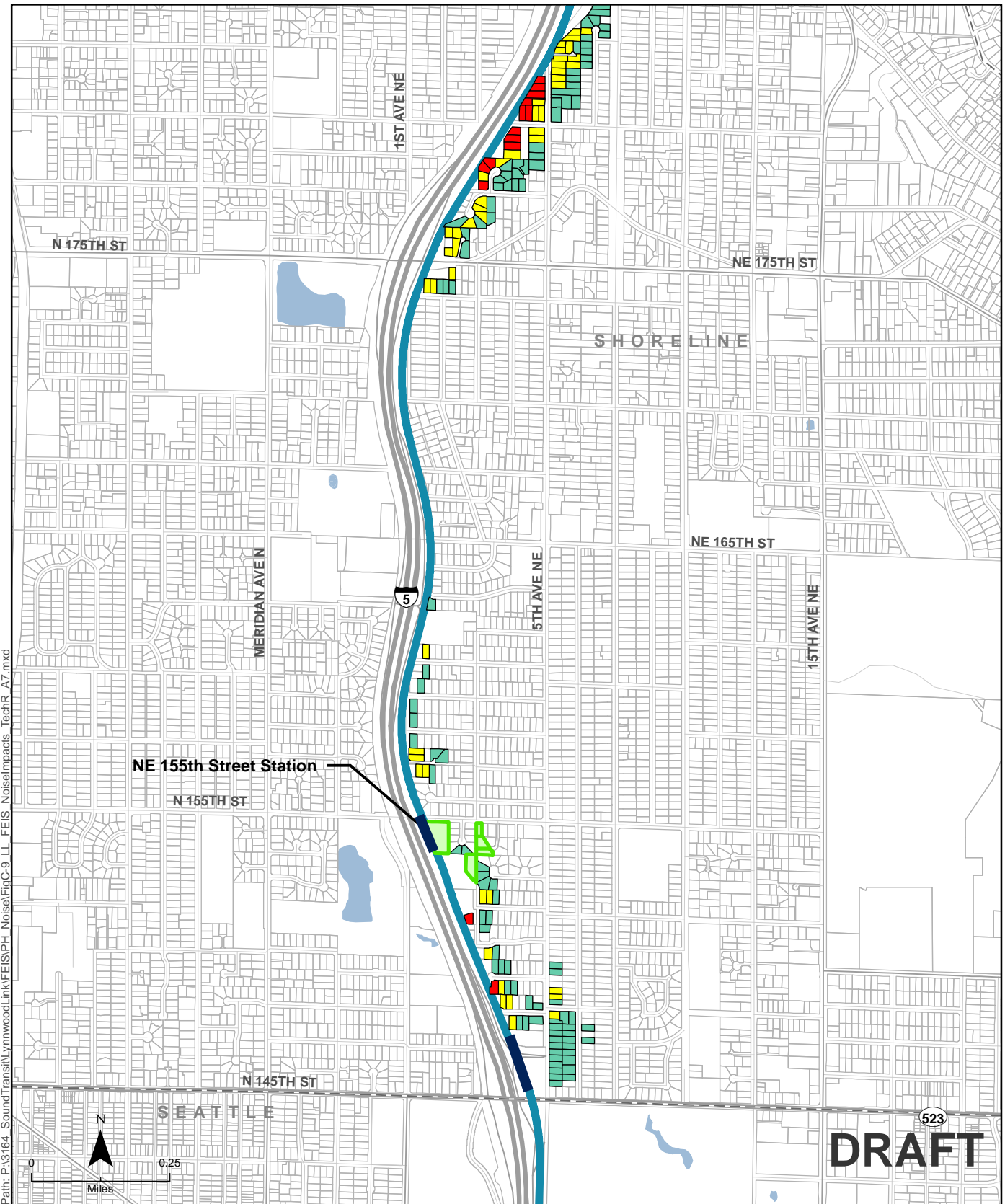
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative A7
- Station Location
- Parcel Boundary

Figure C-9a
Potential Noise Impacts
Alternative A7

Lynnwood Link Extension



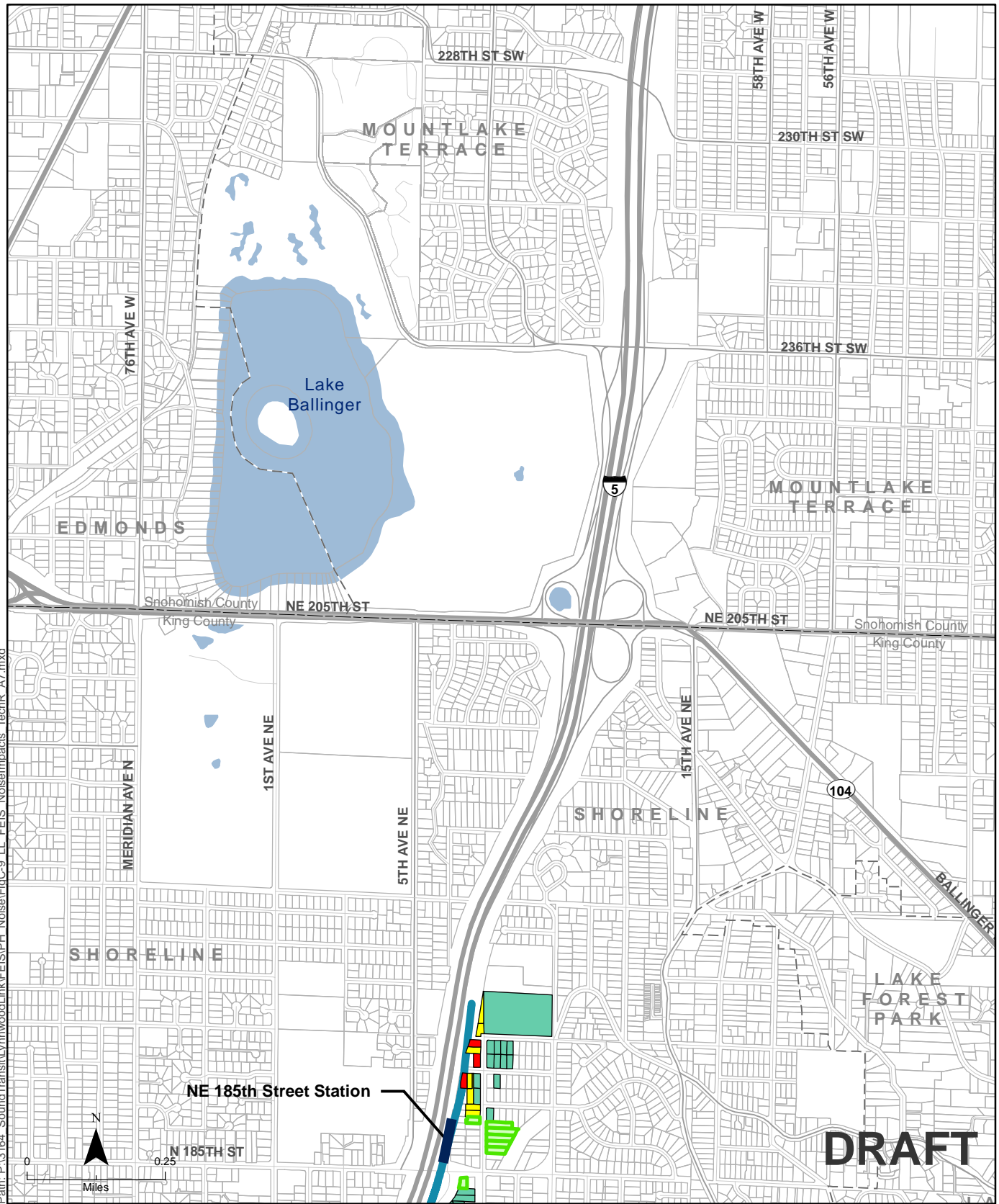
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|--|---|
| Moderate Noise Impact Requiring Mitigation | Alternative A7 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-9b
Potential Noise Impacts
Alternative A7

Lynnwood Link Extension



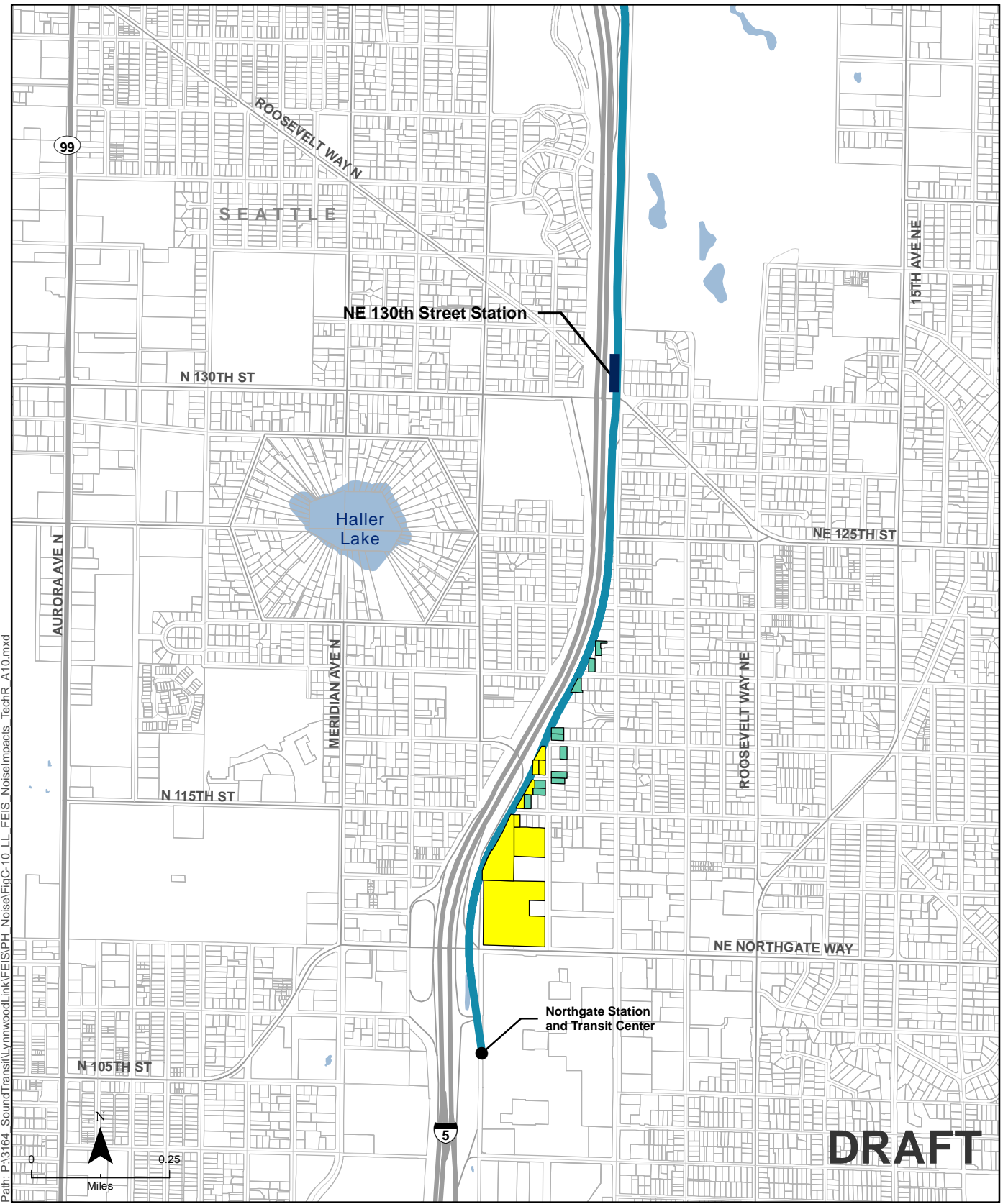
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Alternative A7
- Station Location
- Parcel Boundary

Figure C-9c
Potential Noise Impacts
Alternative A7

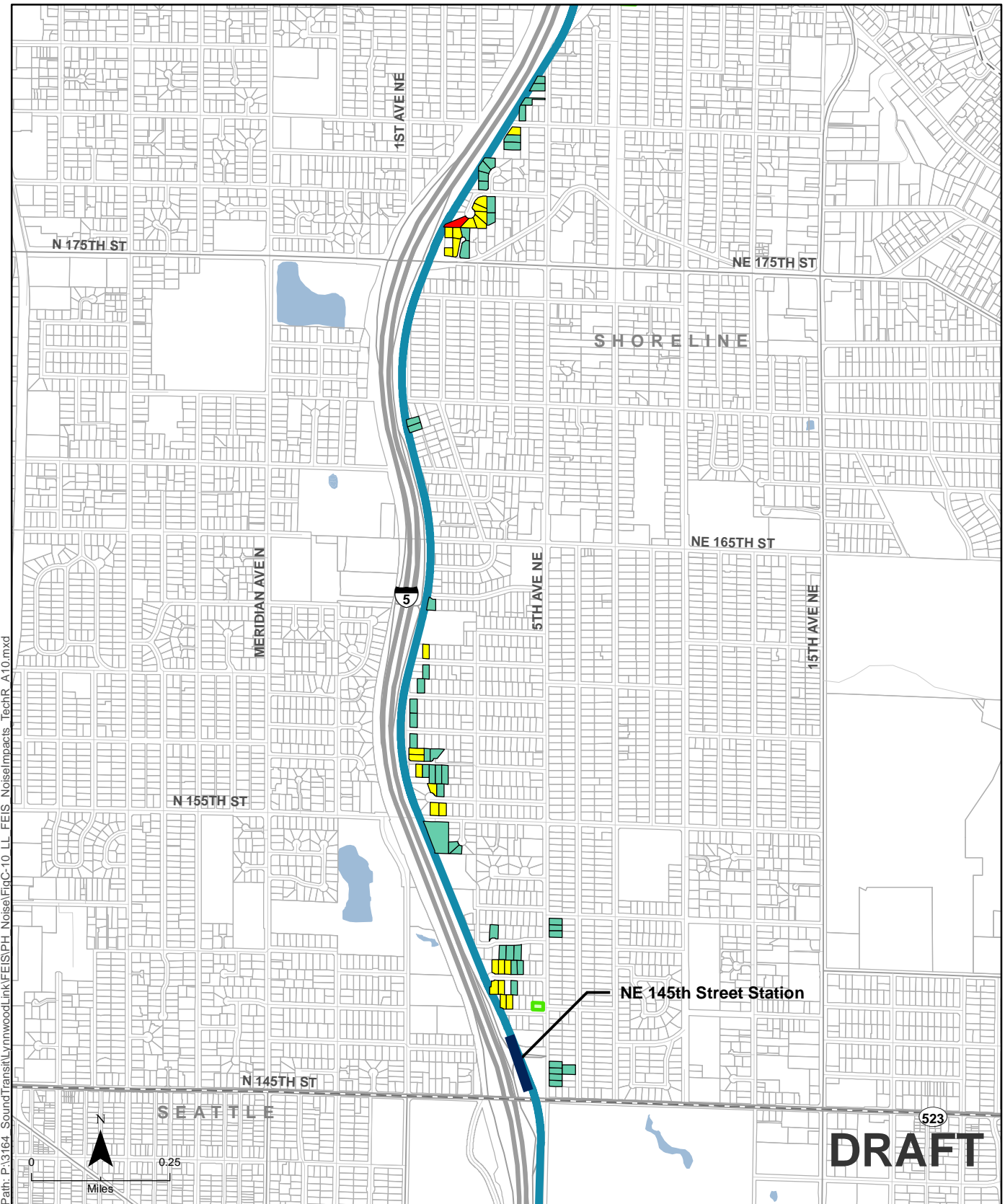
Lynnwood Link Extension



- Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Alternative A10
- Station Location
- Parcel Boundary

Figure C-10a
Potential Noise Impacts
Alternative A10

Lynnwood Link Extension



Path: P:\3164_SoundTransit\LynnwoodLink\FEIS\PH_Noise\FigC-10_LL_FEIS_NoiseImpacts_TechR_A10.mxd

Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)








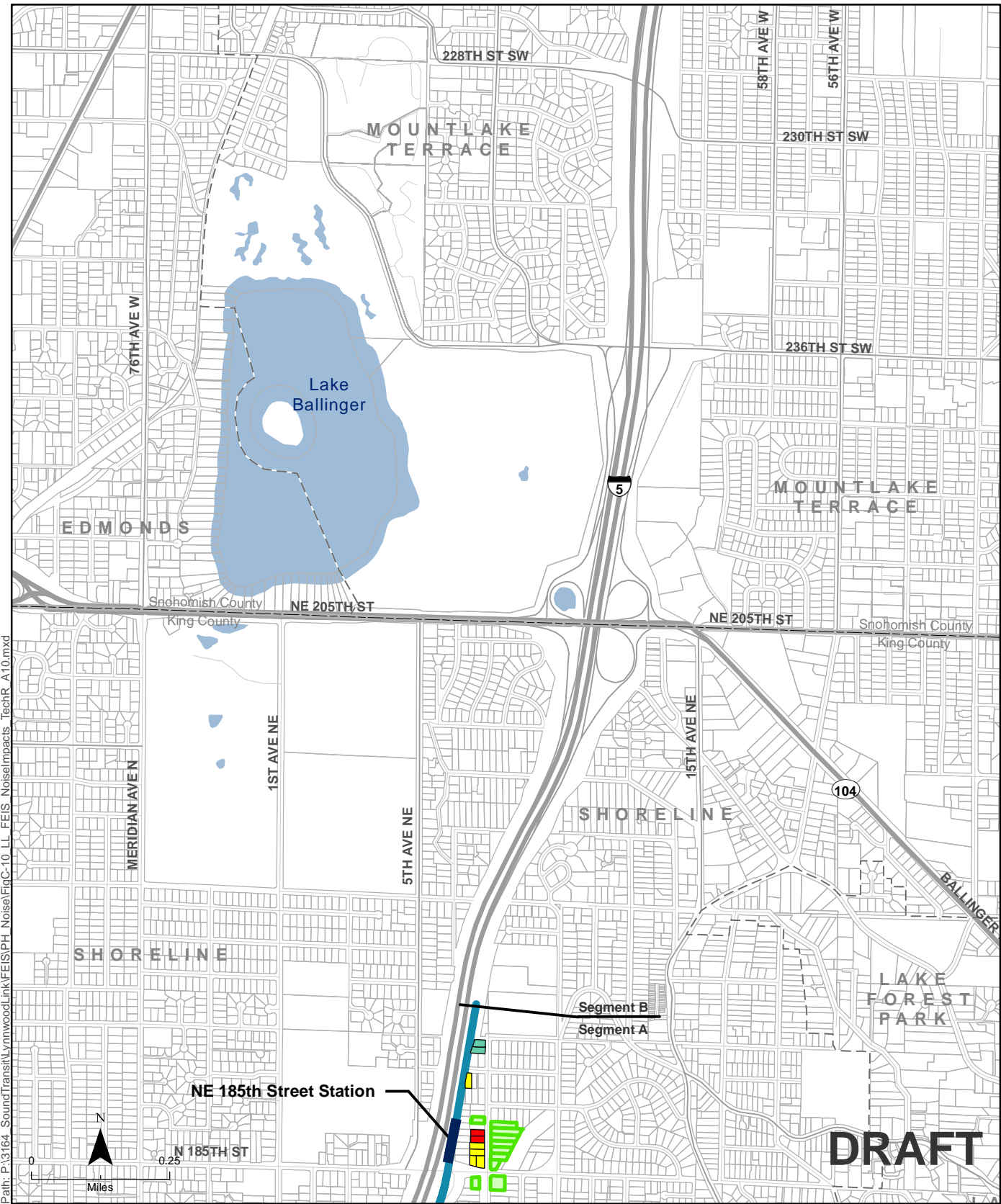
- | | |
|---|--|
|  Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) |  Alternative A10 |
|  Severe Noise Impact Requiring Mitigation |  Station Location |
|  Moderate Noise Impact Requiring Mitigation |  Parcel Boundary |
|  Park and Ride Moderate Noise Impact Requiring Mitigation | |

Figure C-10b
Potential Noise Impacts
Alternative A10

Lynnwood Link Extension



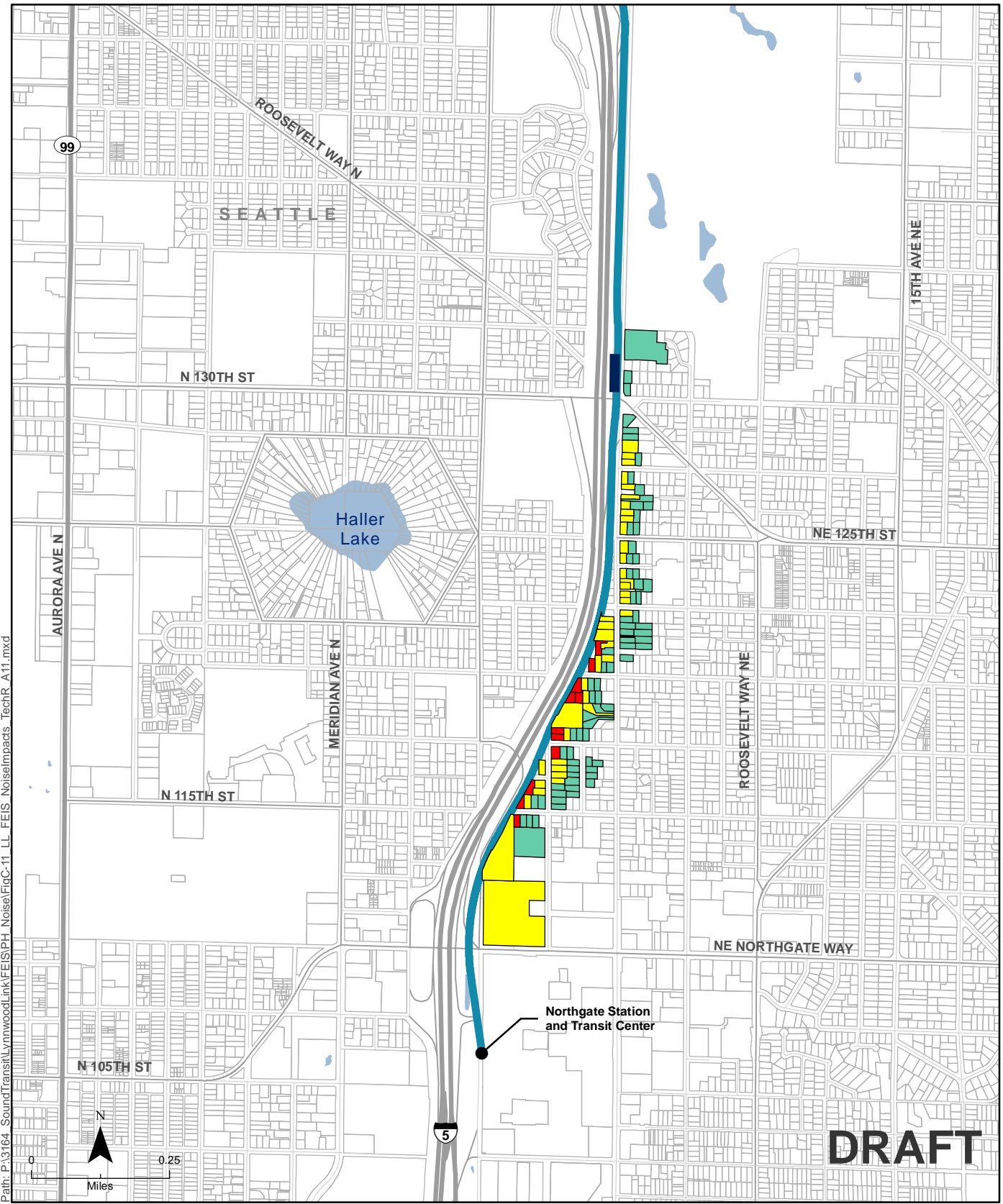
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|---|--|
| Moderate Noise Impact Requiring Mitigation | Alternative A10 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-10c
Potential Noise Impacts
Alternative A10

Lynnwood Link Extension



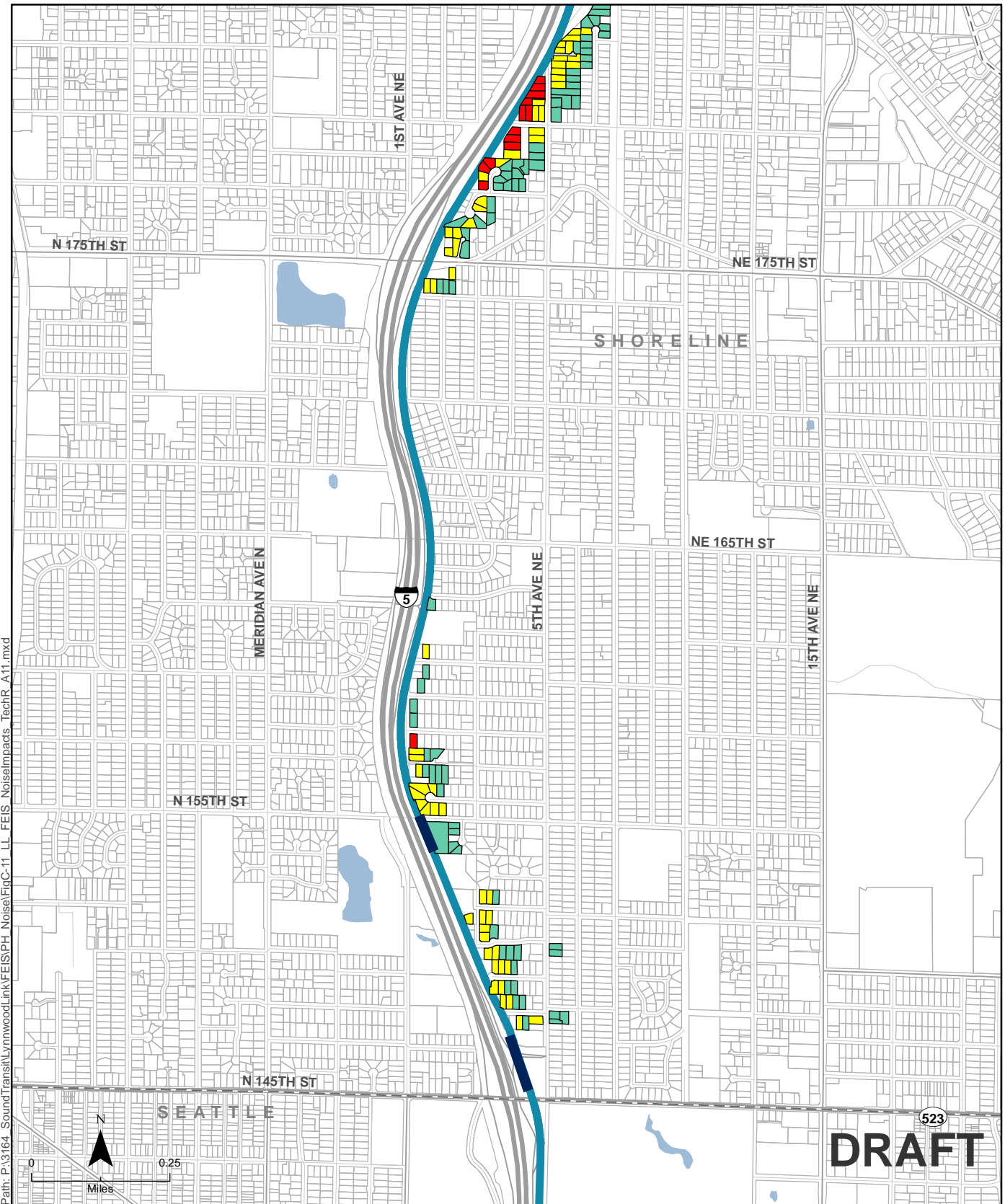
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative A11
- Station Location
- Parcel Boundary

Figure C-11a
Potential Noise Impacts
Alternative A11

Lynnwood Link Extension



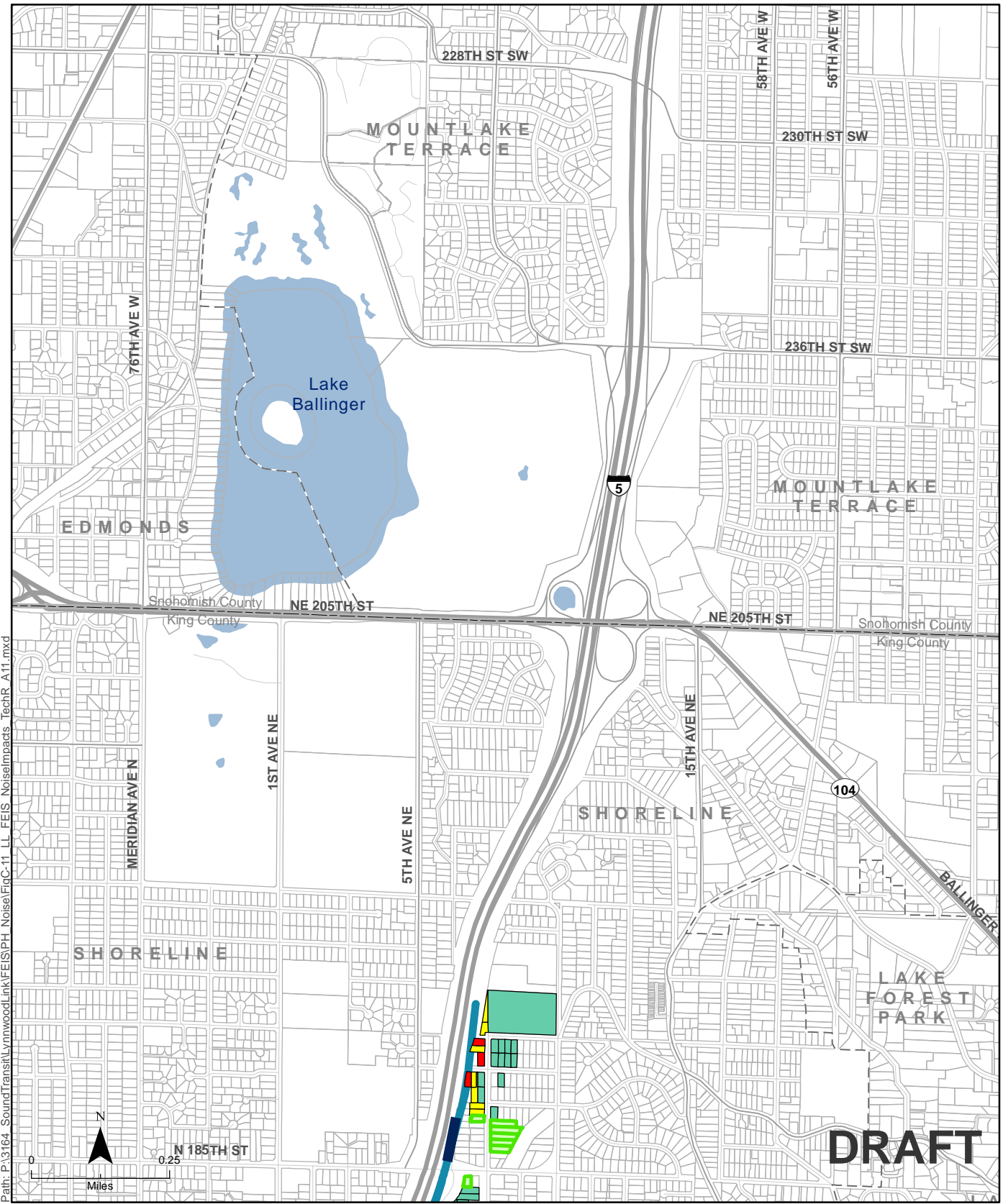
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|---|--|
| Moderate Noise Impact Requiring Mitigation | Alternative A11 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-11b
Potential Noise Impacts
Alternative A11

Lynnwood Link Extension



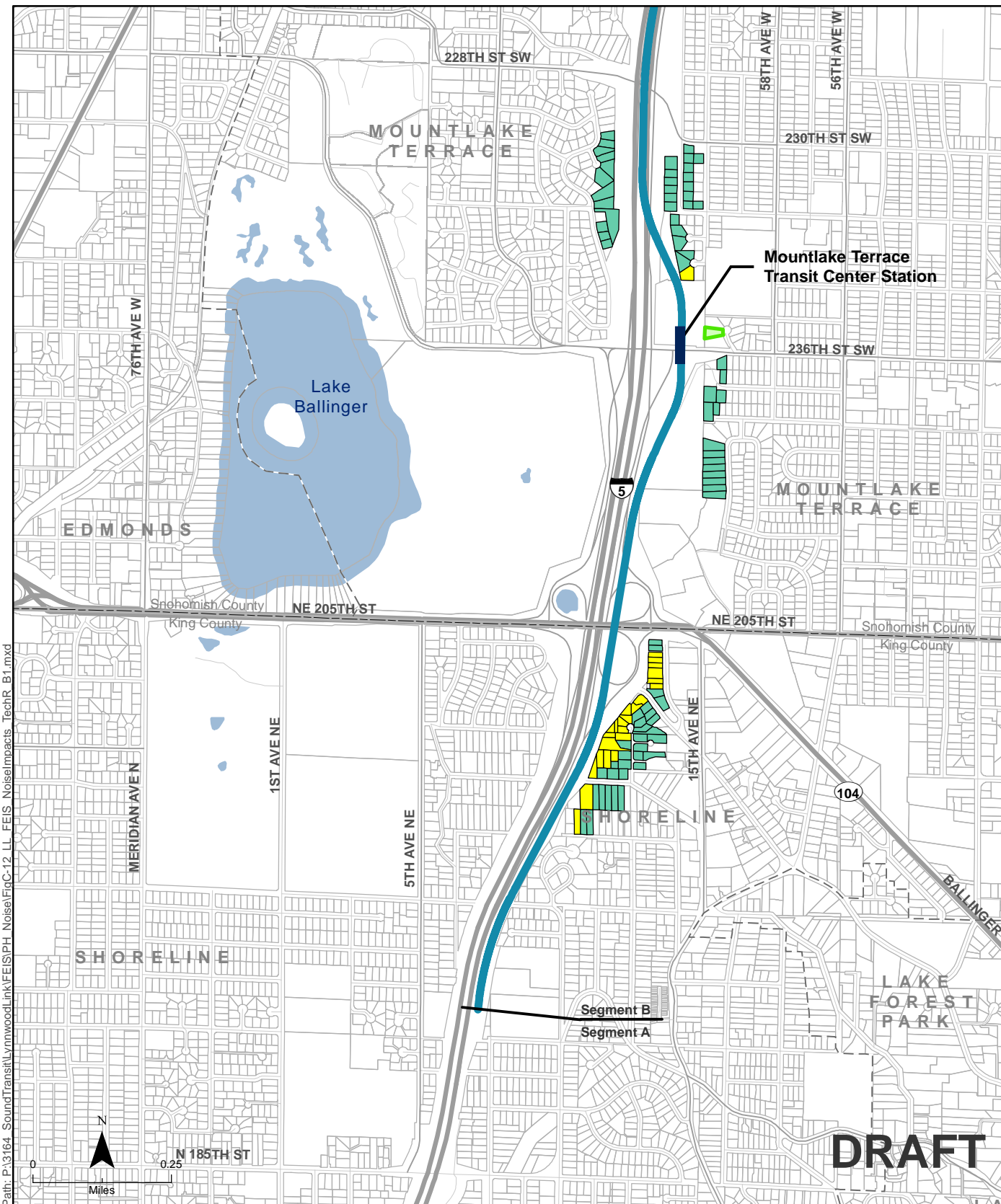
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|---|--|
| Moderate Noise Impact Requiring Mitigation | Alternative A11 |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-11c
Potential Noise Impacts
Alternative A11

Lynnwood Link Extension



Path: P:\3164_SoundTransit\LynnwoodLink\FEIS\PH_Noise\FigC-12_LL_FEIS_NoiseImpacts_TechR_B1.mxd

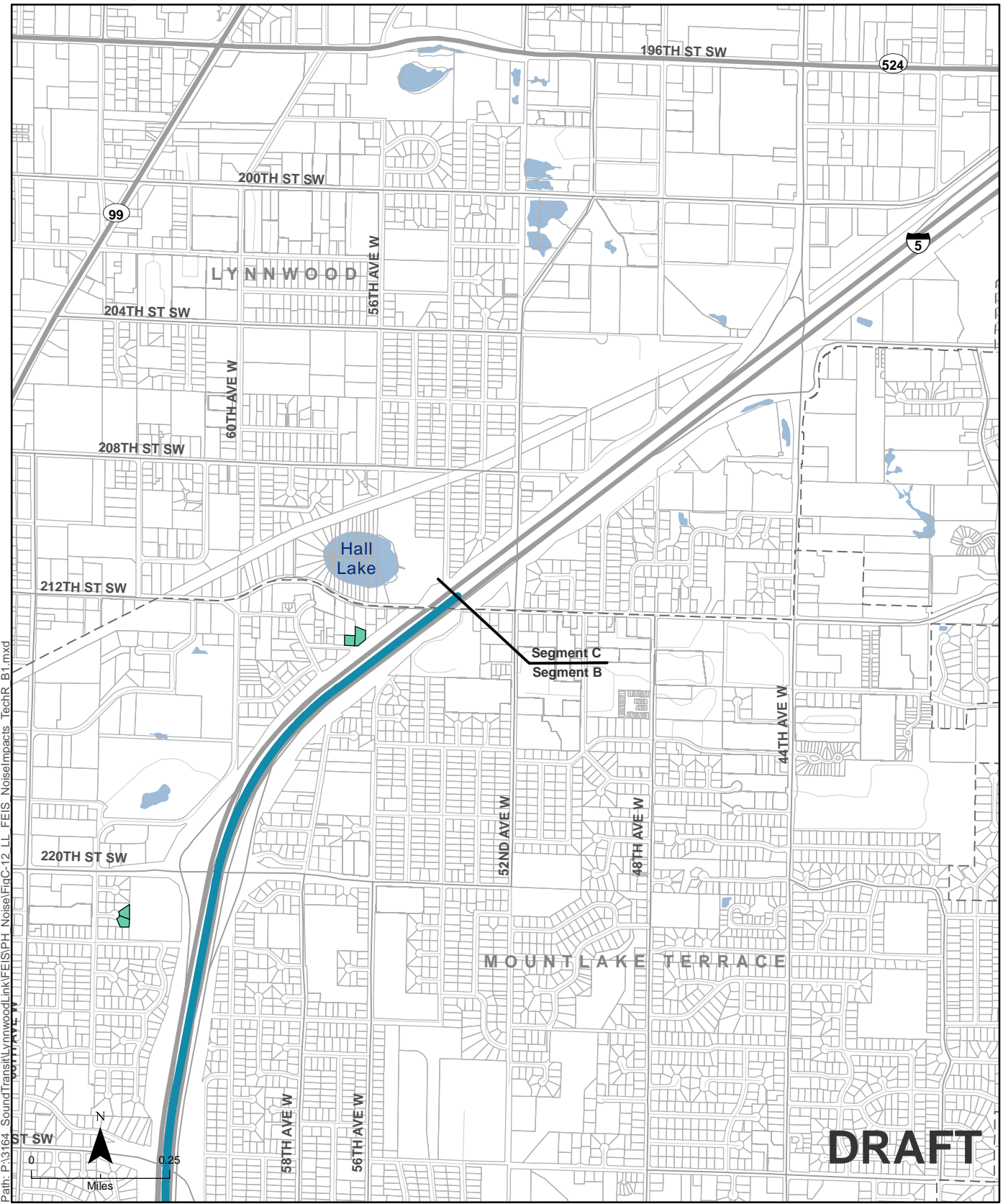
Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Station Location
- Parcel Boundary
- Alternative B1

Figure C-12a
Potential Noise Impacts
Alternative B1

Lynnwood Link Extension

DRAFT



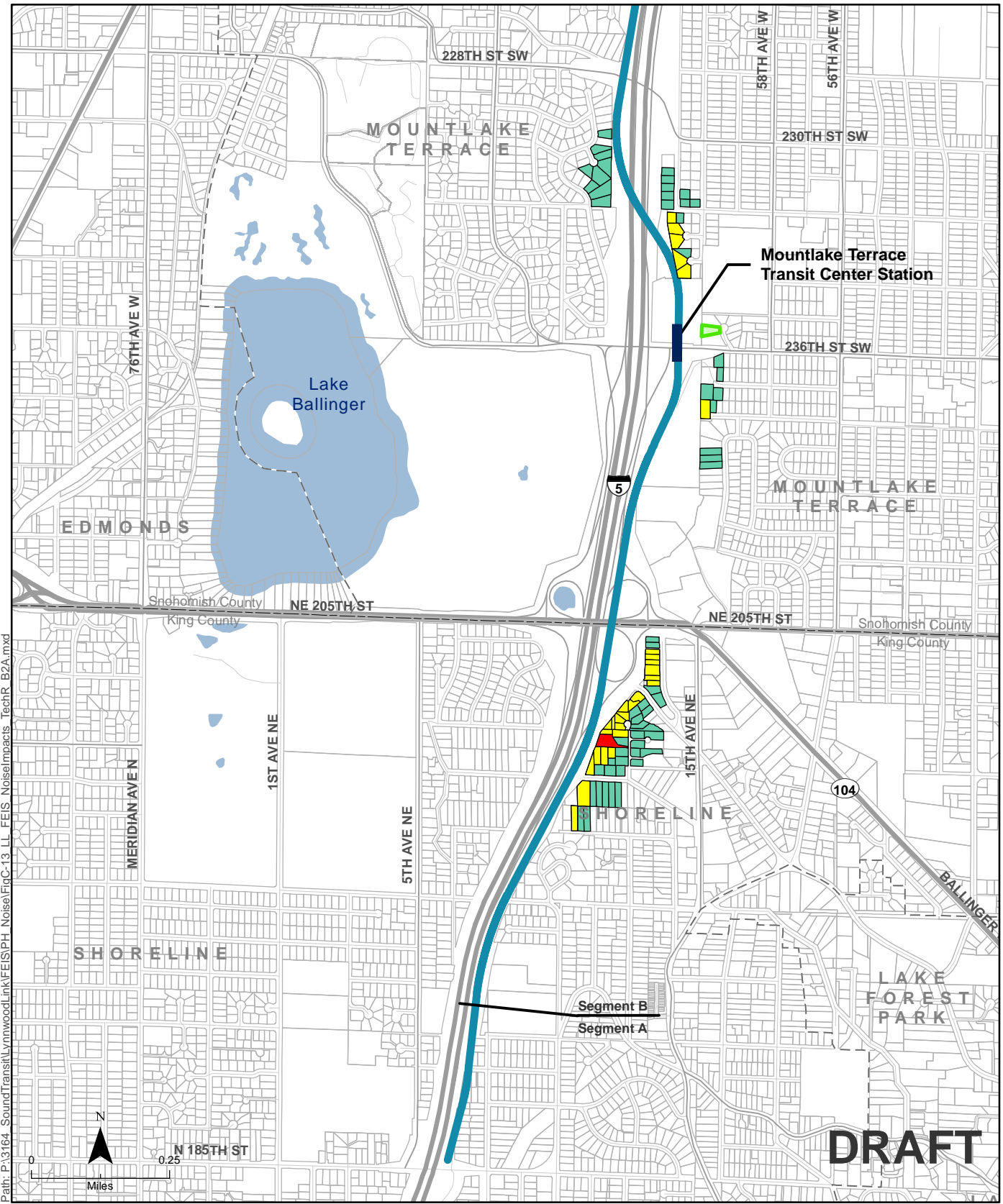
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative B1
- Station Location
- Parcel Boundary

Figure C-12b
Potential Noise Impacts
Alternative B1

Lynnwood Link Extension



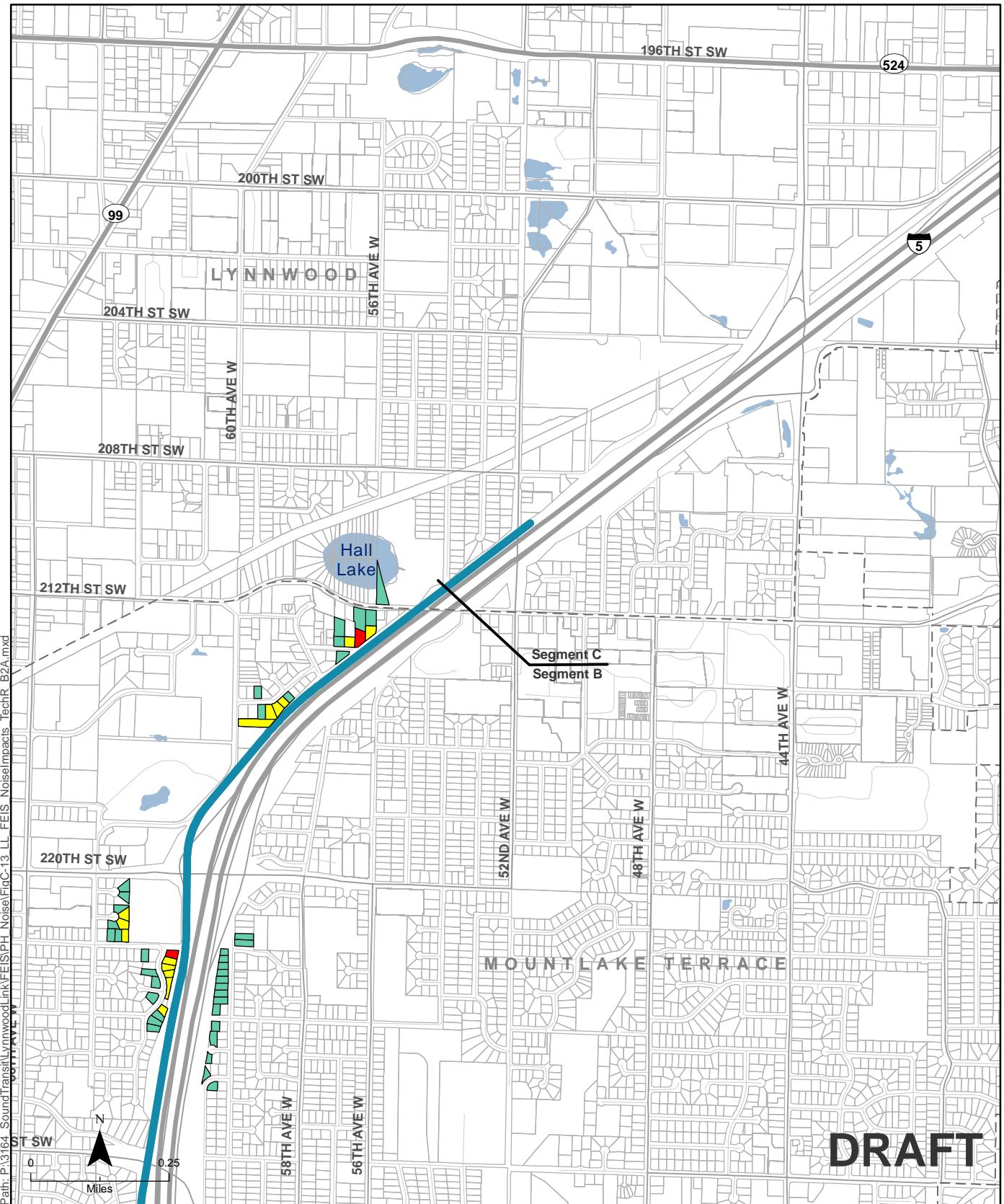
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Alternative B2A
- Station Location
- Parcel Boundary

Figure C-13a
Potential Noise Impacts
Alternative B2A

Lynnwood Link Extension



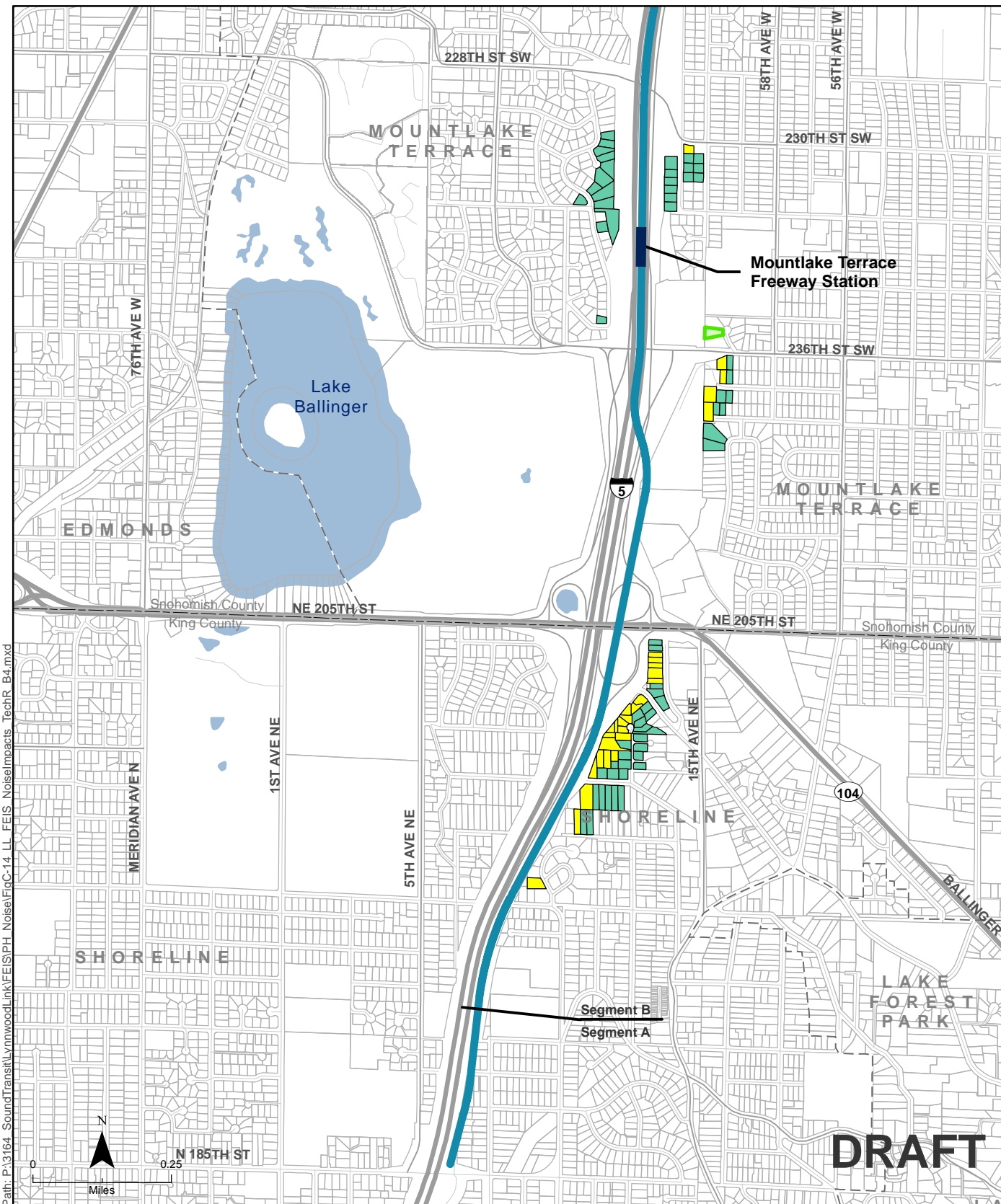
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- | | |
|--|---|
| Moderate Noise Impact Requiring Mitigation | Alternative B2A |
| Park and Ride Moderate Noise Impact Requiring Mitigation | Station Location |
| Severe Noise Impact Requiring Mitigation | Parcel Boundary |
| Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation) | |

Figure C-13b
Potential Noise Impacts
Alternative B2A

Lynnwood Link Extension



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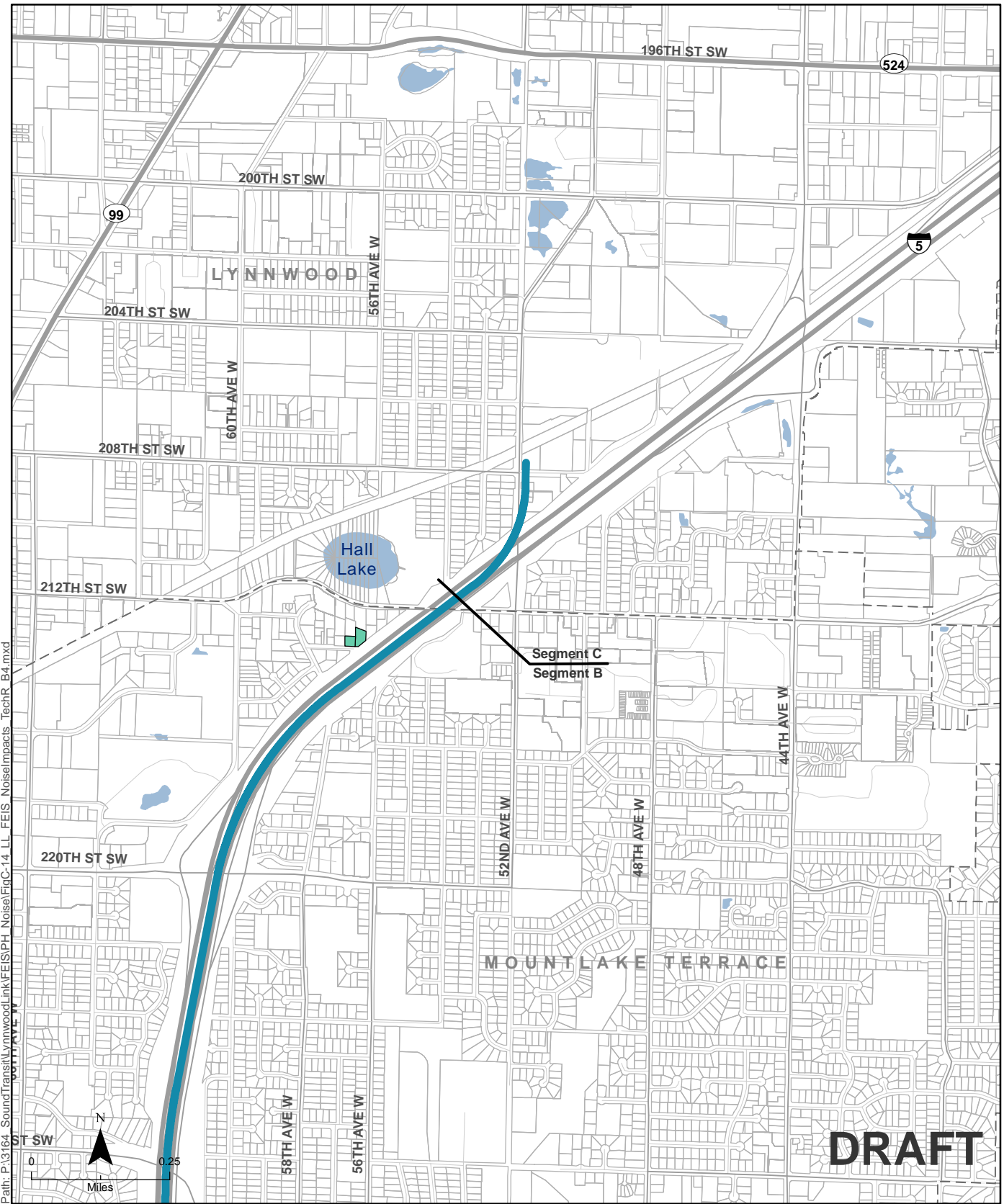
Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative B4
- Station Location
- Parcel Boundary

Figure C-14a
Potential Noise Impacts
Alternative B4

Lynnwood Link Extension

DRAFT



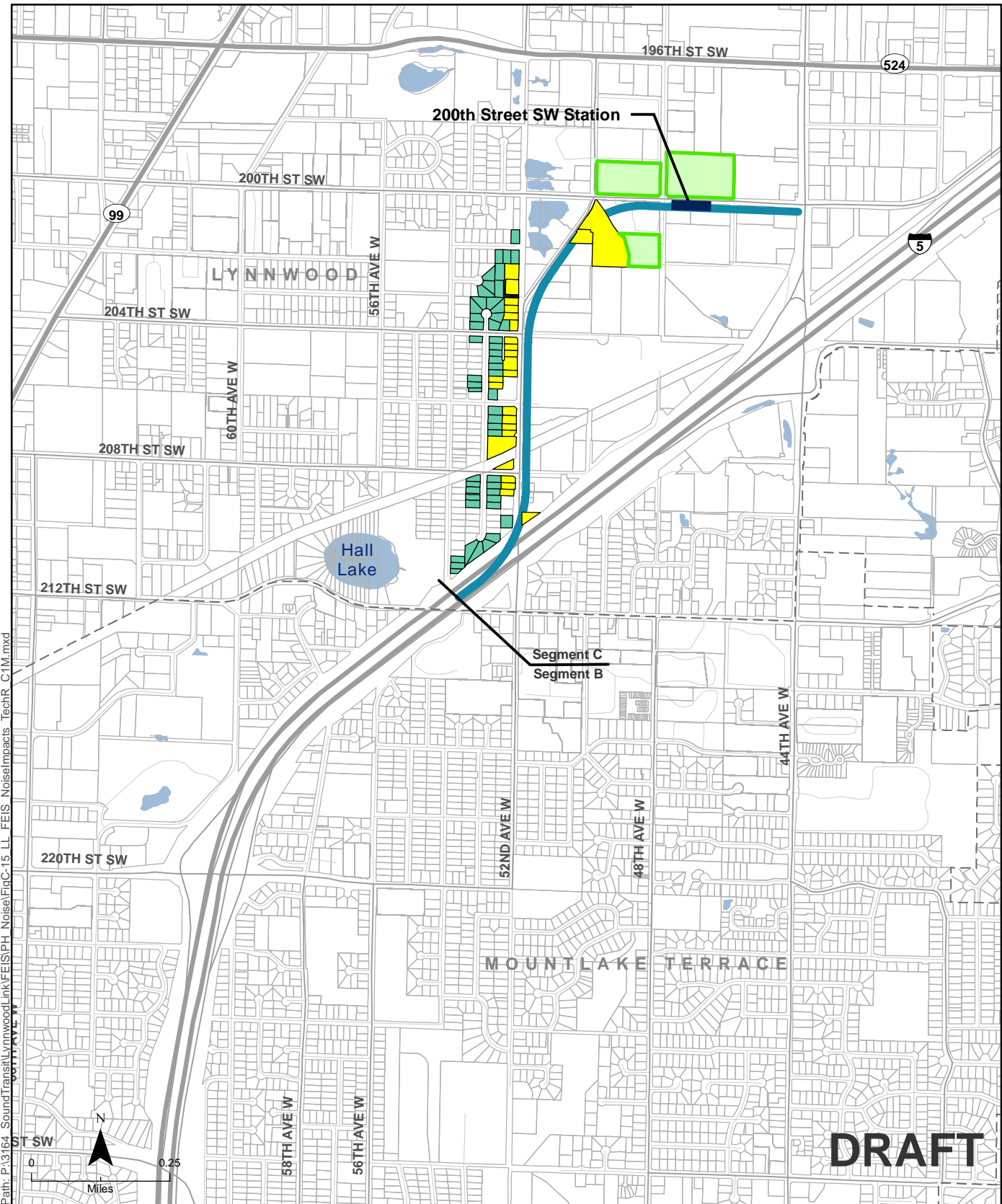
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Alternative B4
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Station Location
- Parcel Boundary

Figure C-14b
Potential Noise Impacts
Alternative B4

Lynnwood Link Extension

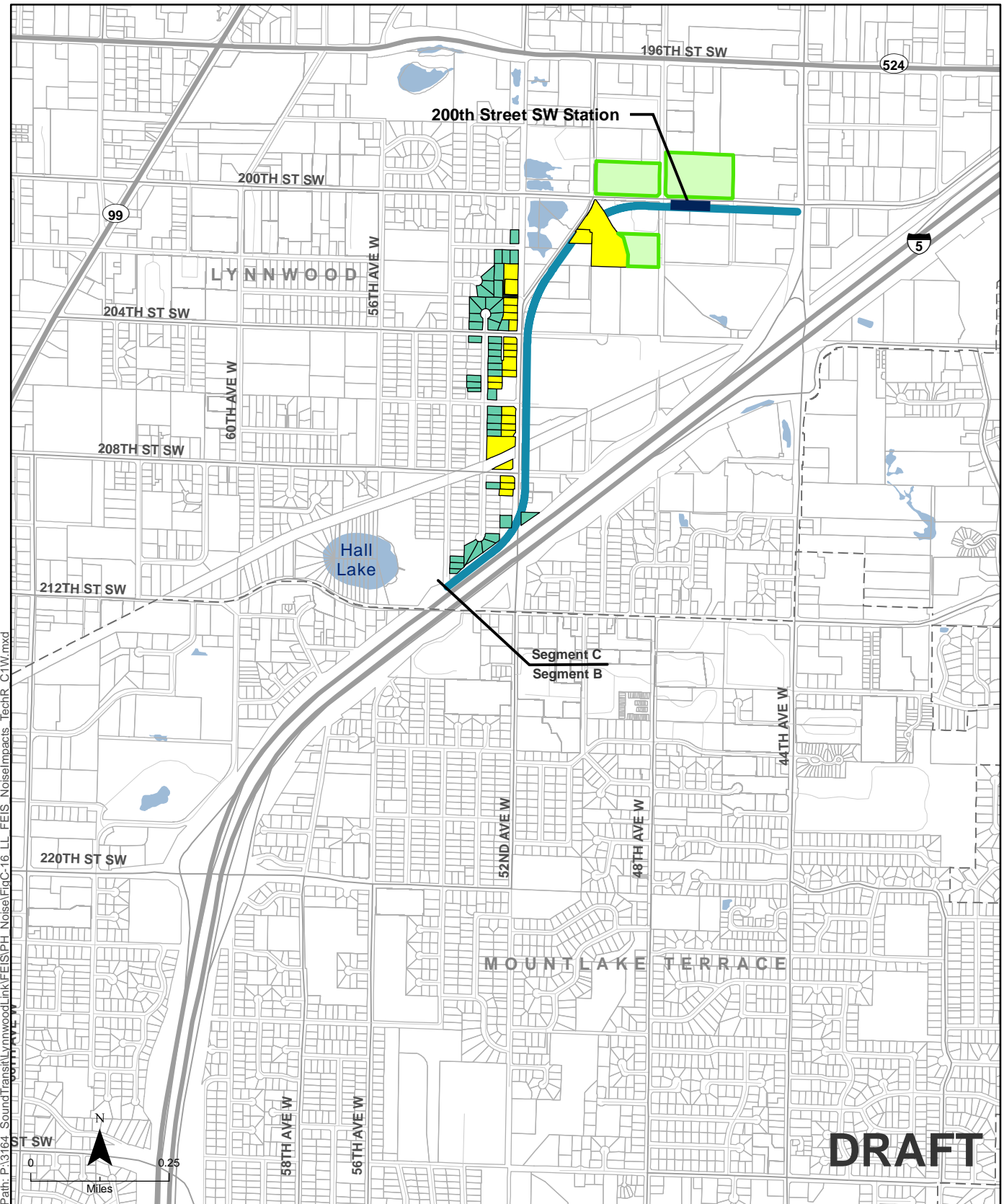


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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

Figure C-15
Potential Noise Impacts
Alternative C1M

Lynnwood Link Extension



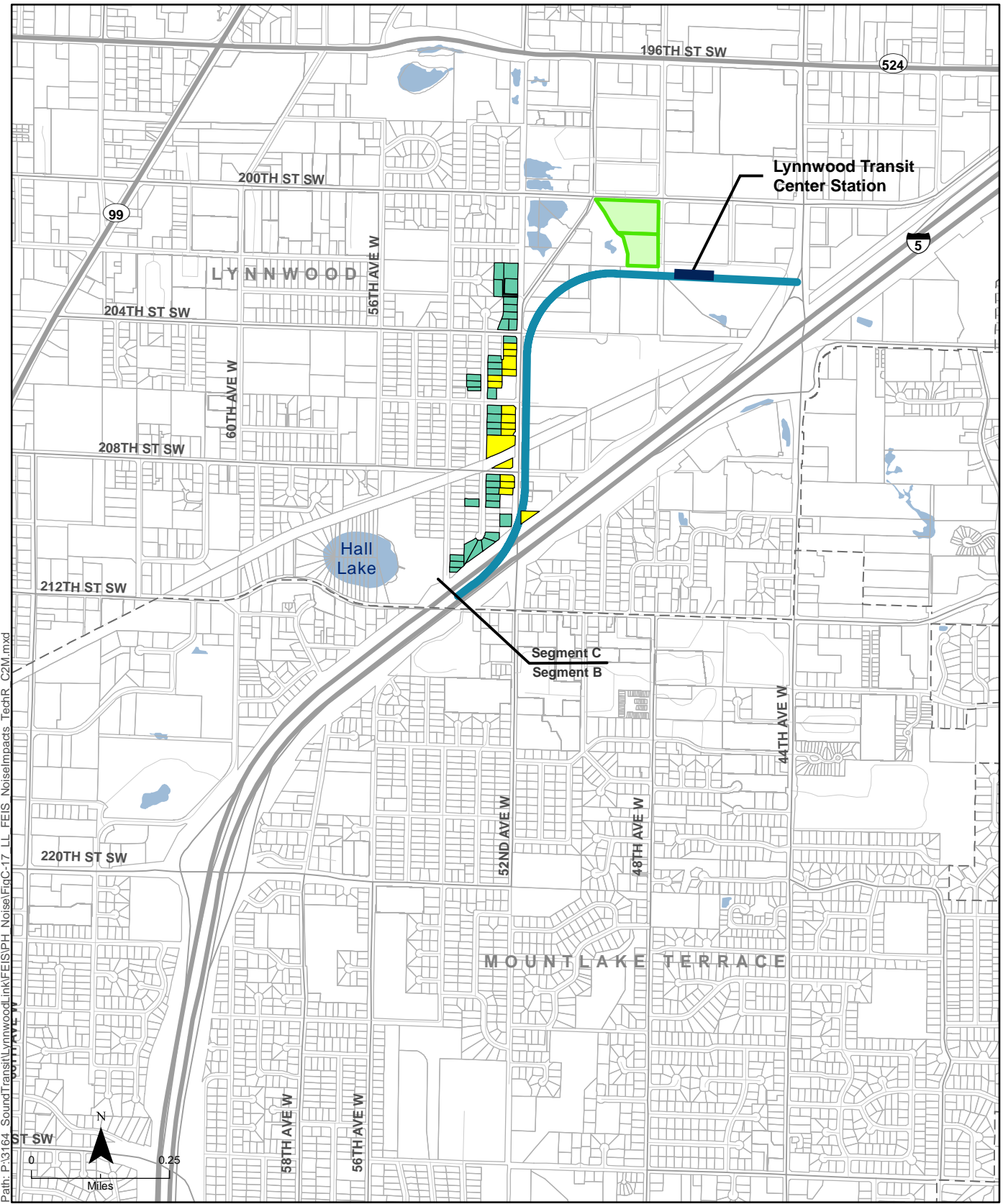
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Station Location
- Parcel Boundary
- Alternative C1W

Figure C-16
Potential Noise Impacts
Alternative C1W

Lynnwood Link Extension

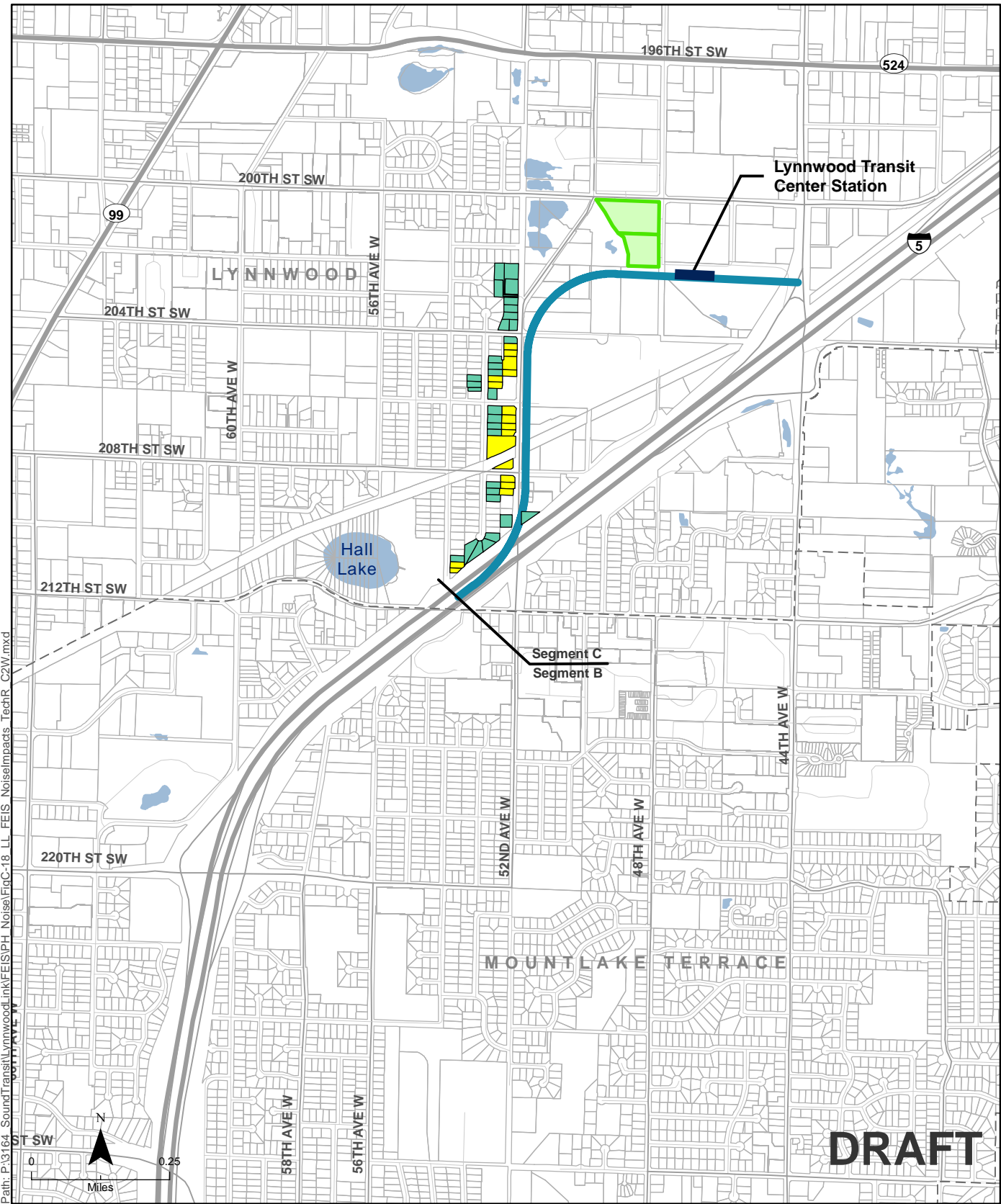


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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

Figure C-17
Potential Noise Impacts
Alternative C2M

Lynnwood Link Extension



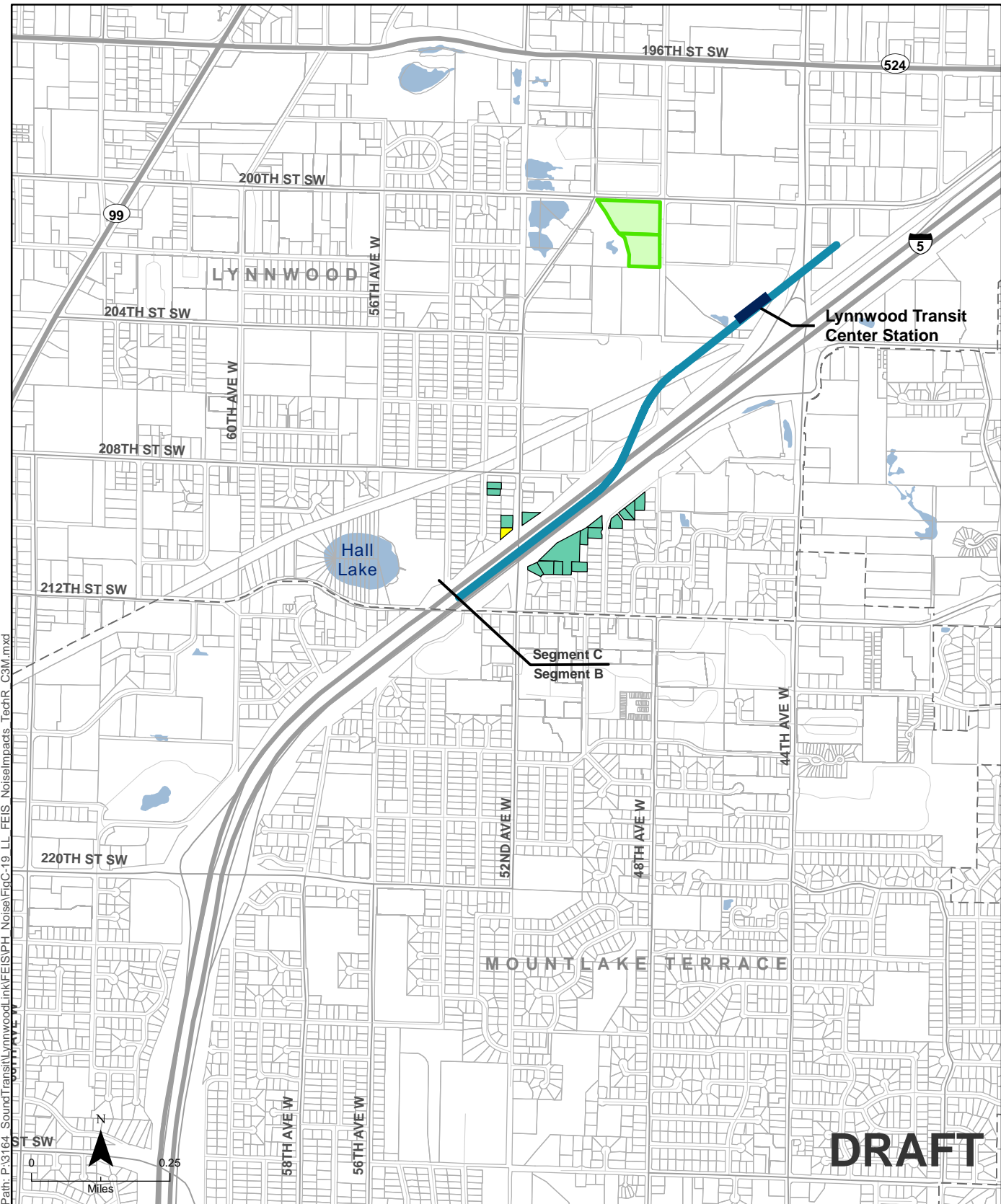
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative C2M
- Station Location
- Parcel Boundary

Figure C-18
Potential Noise Impacts
Alternative C2W

Lynnwood Link Extension



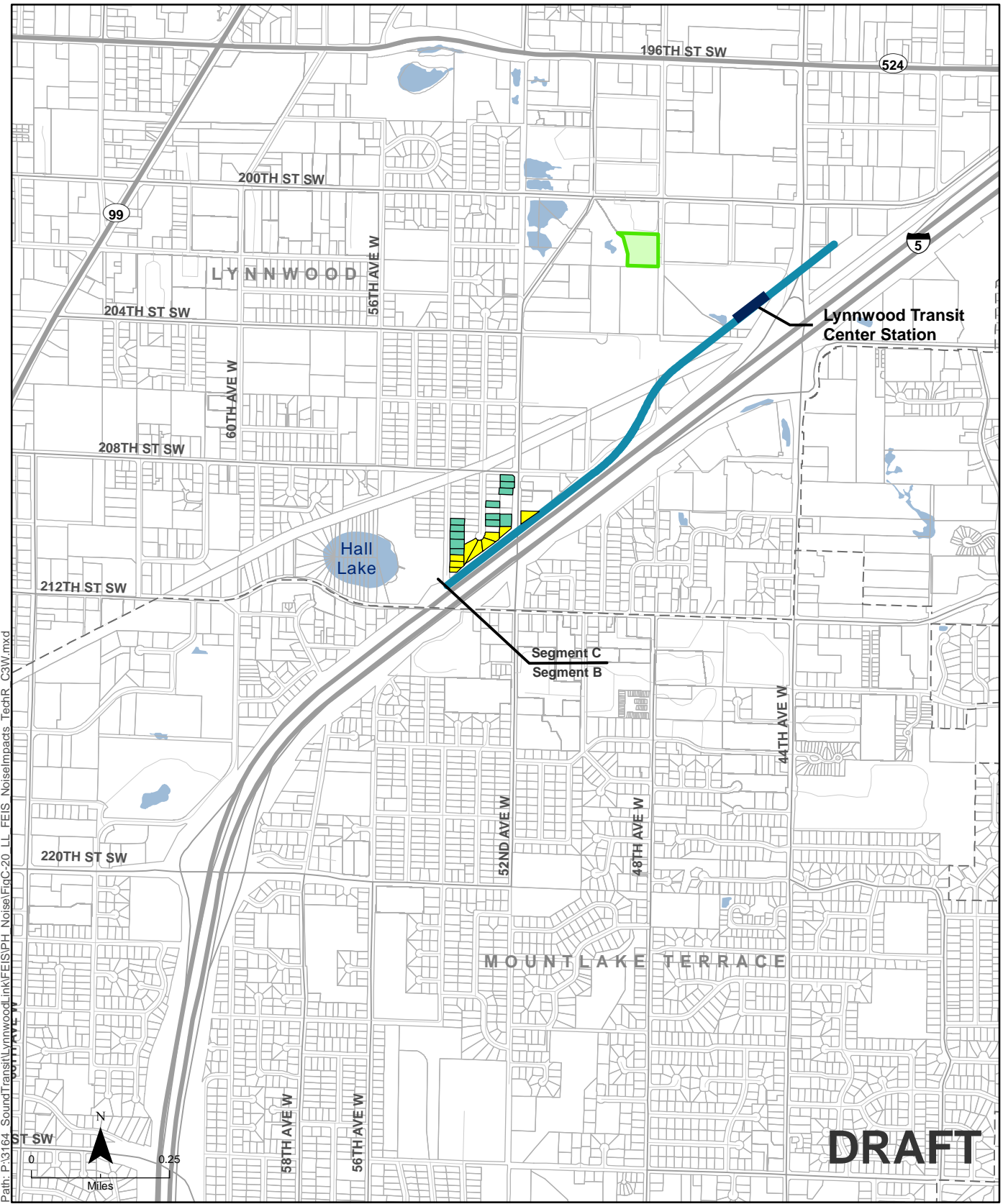
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Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative C2M
- Station Location
- Parcel Boundary

Figure C-19
Potential Noise Impacts
Alternative C3M

Lynnwood Link Extension



Path: P:\3164_SoundTransit\Lynnwood\ink\FEIS\PH_Noise\FigC-20_LL_FEIS_NoiseImpacts_TechR_C3W.mxd

Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- Moderate Noise Impact Requiring Mitigation
- Park and Ride Moderate Noise Impact Requiring Mitigation
- Severe Noise Impact Requiring Mitigation
- Moderate Residual Noise Impact Requiring Additional Mitigation (Sound Insulation)
- Alternative C2M
- Station Location
- Parcel Boundary

Figure C-20
Potential Noise Impacts
Alternative C3W

Lynnwood Link Extension

ATTACHMENT D

Vibration Impacts by Build Alternative

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
27+00	104 NE NORTHGATE WAY, Seattle	MF	72	81	103	70	70	70	70	70	54	53	55	55	55	55	55
33+00	11355 3RD AVE NE, Seattle	MF	72	97	156	97	97	97	97	97	53	52	51	53	51	53	51
33+90	11300 1ST AVE NE, Seattle	MF	72	46	76	36	36	36	36	36	60	51	58	58	58	58	58
34+10	133 NE 115TH ST, Seattle	SF	72	58	123	58	58	58	58	58	66	59	62	66	62	66	62
34+40	139 NE 115TH ST, Seattle	SF	72	89	155	89	112	89	112	89	60	58	57	59	57	59	57
34+60	145 NE 115TH ST, Seattle	SF	72	142	209	142	142	142	142	142	58	57	55	58	55	58	55
36+20	136 NE 115TH ST, Seattle	SF	72	30	103	30	30	30	30	30	76	63	68	76	68	76	68
36+20	142 NE 115TH ST, Seattle	SF	72	67	139	67	67	67	67	67	63	62	59	63	59	63	59
36+40	147 NE 116TH ST, Seattle	MF	72	24	103	24	24	24	24	24	79	63	71	79	71	79	71
36+50	148 NE 115TH ST, Seattle	SF	72	84	159	84	129	84	129	84	63	62	58	62	58	62	58
36+70	304 3RD AVE NE, Seattle	SF	72	297	372	297	297	297	297	297	59	57	57	59	57	59	57
37+10	11519 3RD AVE NE, Seattle	SF	72	113	143	113	113	113	113	113	63	62	58	63	58	63	58
37+20	11508 3RD AVE NE, Seattle	SF	72	265	340	265	265	265	265	265	60	58	57	60	57	60	57
37+70	11514 3RD AVE NE, Seattle	SF	72	235	309	235	235	235	235	235	61	59	58	61	58	61	58
37+90	11523 3RD AVE NE, Seattle	SF	72	96	169	96	96	96	96	96	63	62	58	63	58	63	58
38+20	11522 3RD AVE NE, Seattle	SF	72	209	280	209	209	209	209	209	61	59	58	61	58	61	58
38+70	11526 3RD AVE NE, Seattle	SF	72	187	253	187	187	187	187	187	62	60	58	62	58	62	58
39+20	11600 3RD AVE NE, Seattle	SF	72	164	223	164	164	164	164	164	62	61	58	62	58	62	58
39+80	156 NE 116TH ST, Seattle	SF	72	46	111	46	46	46	46	46	69	63	64	69	64	69	64
39+80	11606 3RD AVE NE, Seattle	SF	72	141	194	141	141	141	141	141	62	61	58	62	58	62	58
40+30	11610 3RD AVE NE, Seattle	SF	72	120	165	120	120	120	120	120	62	62	58	62	58	62	58
41+40	11622 3RD AVE NE, Seattle	SF	72	100	134	100	100	100	100	100	63	62	58	63	58	63	58
42+50	308 NE 117TH ST, Seattle	SF	72	DISP	65	43	43	43	43	43	---	63	65	71	65	71	65
43+10	11708 3RD AVE NE, Seattle	SF	72	DISP	50	37	37	37	37	37	---	68	66	73	66	73	66
43+30	11710 3RD AVE NE, Seattle	SF	72	20	DISP	21	DISP	21	DISP	21	81	---	73	---	73	---	73

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
43+30	11710 3RD AVE NE, Seattle	CH	75	50	DISP	52	DISP	52	DISP	52	64	---	59	---	59	---	59
43+60	316 NE 117TH ST, Seattle	SF	72	115	123	116	116	116	116	116	56	56	55	56	55	56	55
43+80	322 NE 117TH ST, Seattle	SF	72	171	176	172	172	172	172	172	56	55	54	56	54	56	54
44+10	326 NE 117TH ST, Seattle	SF	72	225	230	227	226	227	226	227	55	55	54	55	54	55	54
45+00	11721 5TH AVE NE, Seattle	SF	72	251	253	253	253	253	253	253	55	55	53	55	53	55	53
45+80	323 NE 120TH ST, Seattle	SF	72	DISP	DISP	25	DISP	25	DISP	25	---	---	69	---	69	---	69
46+10	11723 5TH AVE NE, Seattle	SF	72	193	194	194	194	194	194	194	55	55	54	55	54	55	54
46+60	11725 5TH AVE NE, Seattle	SF	72	163	165	165	165	165	165	165	56	56	54	56	54	56	54
47+10	325 NE 120TH ST, Seattle	SF	72	DISP	DISP	81	DISP	81	DISP	81	---	---	57	---	57	---	57
47+60	11737 C 5TH AVE NE, Seattle	SF	72	105	143	106	142	106	142	106	58	56	55	56	55	56	55
47+90	11737 B 5TH AVE NE, Seattle	SF	72	158	160	160	160	160	160	160	56	56	54	56	54	56	54
48+50	327 NE 120TH ST, Seattle	SF	72	DISP	34	34	34	34	34	34	---	74	68	74	68	74	68
48+60	331 NE 120TH ST, Seattle	SF	72	53	57	57	57	57	57	57	68	67	63	67	63	67	63
48+90	337 NE 120TH ST, Seattle	SF	72	89	112	95	111	95	111	95	60	56	55	57	55	57	55
50+20	332 NE 120TH ST, Seattle	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
50+50	12029 5TH AVE NE, Seattle	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
50+60	338 NE 120TH ST, Seattle	SF	72	37	48	48	48	48	48	48	73	70	65	70	65	70	65
51+10	344 NE 120TH ST, Seattle	SF	72	98	104	104	104	104	104	104	59	58	55	58	55	58	55
51+40	12015 5TH AVE NE, Seattle	SF	72	109	124	124	124	124	124	124	57	56	55	56	55	56	55
51+90	12021 5TH AVE NE, Seattle	SF	72	165	165	165	165	165	165	165	56	56	54	56	54	56	54
52+40	12027 5TH AVE NE, Seattle	SF	72	32	47	47	47	47	47	47	74	70	65	70	65	70	65
52+40	12025 5TH AVE NE, Seattle	SF	72	109	109	109	109	109	109	109	57	57	55	57	55	57	55
52+40	12035 5TH AVE NE, Seattle	SF	72	43	63	63	63	63	63	63	71	66	62	66	62	66	62
53+50	12030 5TH AVE NE, Seattle	SF	72	220	239	239	239	239	239	239	55	55	54	55	54	55	54
53+50	12045 5TH AVE NE, Seattle	SF	72	24	45	45	45	45	45	45	77	70	66	70	66	70	66

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
54+20	12036 5TH AVE NE, Seattle	SF	72	196	217	217	217	217	217	217	55	55	54	55	54	55	54
54+30	12049 5TH AVE NE, Seattle	SF	72	32	55	55	55	55	55	55	74	68	63	68	63	68	63
54+70	12042 5TH AVE NE, Seattle	SF	72	180	201	201	201	201	201	201	55	55	54	55	54	55	54
55+00	12055 5TH AVE NE, Seattle	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
55+20	12048 5TH AVE NE, Seattle	SF	72	164	187	187	187	187	187	187	58	58	54	58	54	58	54
55+80	12054 5TH AVE NE, Seattle	SF	72	150	173	173	173	173	173	173	58	58	54	58	54	58	54
56+10	12301 5TH AVE NE, Seattle	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
56+80	12311 5TH AVE NE, Seattle	MF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
56+90	12302 5TH AVE NE, Seattle	SF	72	126	150	150	150	150	150	150	59	58	55	58	55	58	55
57+50	12308 5TH AVE NE, Seattle	SF	72	115	140	140	140	140	140	140	59	58	55	58	55	58	55
57+50	12321 5TH AVE NE, Seattle	MF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
58+30	12316 5TH AVE NE, Seattle	SF	72	103	128	128	128	128	128	128	59	59	55	59	55	59	55
58+40	12327 5TH AVE NE, Seattle	MF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
58+60	12320 5TH AVE NE, Seattle	SF	72	99	123	123	123	123	123	123	59	59	56	59	56	59	56
59+50	503 NE 124TH ST, Seattle	SF	72	89	113	113	113	113	113	113	60	59	56	59	56	59	56
60+00	12401 5TH AVE NE, Seattle	MF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
60+60	12417 5TH AVE NE, Seattle	MF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
60+90	500 NE 124TH ST, Seattle	SF	72	85	110	110	110	110	110	110	60	59	56	59	56	59	56
62+10	505 NE 125TH ST, Seattle	SF	72	99	125	125	125	125	125	125	59	59	56	59	56	59	56
63+90	502 NE 125TH ST, Seattle	SF	72	81	108	108	108	108	108	108	61	59	56	59	56	59	56
64+00	514 NE 125TH ST, Seattle	SF	72	195	223	223	223	223	223	223	58	57	53	57	53	57	53
64+00	510 NE 125TH ST, Seattle	SF	72	135	163	163	163	163	163	163	59	58	54	58	54	58	54
64+30	12512 5TH AVE NE, Seattle	SF	72	195	223	223	223	223	223	223	58	57	53	57	53	57	53
64+40	12518 5TH AVE NE, Seattle	SF	72	83	111	111	111	111	111	111	60	59	56	59	56	59	56
64+50	12520 5TH AVE NE, Seattle	SF	72	90	118	118	118	118	118	118	60	59	56	59	56	59	56
65+10	12526 5TH AVE NE, Seattle	SF	72	161	187	187	187	187	187	187	58	58	54	58	54	58	54

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
65+10	12528 5TH AVE NE, Seattle	SF	72	89	115	115	115	115	115	115	60	59	56	59	56	59	56
65+90	12532 5TH AVE NE, Seattle	SF	72	267	294	294	294	294	294	294	57	57	53	57	53	57	53
66+10	12534 5TH AVE NE, Seattle	SF	72	107	129	129	129	129	129	129	59	59	55	59	55	59	55
66+40	12546 B 5TH AVE NE, Seattle	SF	72	206	226	226	226	226	226	226	57	57	53	57	53	57	53
67+00	12542 5TH AVE NE, Seattle	SF	72	121	140	140	140	140	140	140	59	58	55	58	55	58	55
67+50	503 NE 127TH ST, Seattle	SF	72	87	100	100	100	100	100	100	60	59	56	59	56	59	56
67+50	509 NE 127TH ST, Seattle	SF	72	140	155	155	155	155	155	155	58	58	54	58	54	58	54
67+50	515 NE 127TH ST, Seattle	SF	72	200	215	215	215	215	215	215	58	57	53	57	53	57	53
69+20	522 NE 127TH ST, Seattle	SF	72	274	280	280	280	280	280	280	57	57	53	57	53	57	53
69+30	502 NE 127TH ST, Seattle	SF	72	113	120	120	120	120	120	120	59	59	56	59	56	59	56
69+30	514 NE 127TH ST, Seattle	SF	72	214	220	220	220	220	220	220	57	57	53	57	53	57	53
69+90	12708 5TH AVE NE, Seattle	SF	72	127	128	128	128	128	128	128	59	59	55	59	55	59	55
70+50	12718 5TH AVE NE, Seattle	SF	72	132	132	132	132	132	132	132	59	59	55	59	55	59	55
71+70	12745 ROOSEVELT WAY NE, Seattle	SF	72	247	244	244	237	235	237	235	57	57	53	57	53	57	53
71+80	12726 5TH AVE NE, Seattle	SF	72	134	130	130	128	124	128	124	59	59	55	59	56	59	56
73+00	12732 5TH AVE NE, Seattle	SF	72	135	130	130	118	118	118	118	59	59	55	54	52	54	52
73+00	12759 ROOSEVELT WAY NE, Seattle	SF	72	132	128	128	116	116	116	116	59	59	55	54	52	54	52
73+00	12749 ROOSEVELT WAY NE, Seattle	SF	72	248	243	243	232	231	232	231	57	57	53	51	50	51	50
74+20	12740 5TH AVE NE, Seattle	SF	72	128	124	124	106	106	106	106	59	59	56	54	54	54	54
77+20	502 NE 130TH ST, Seattle	SF	72	118	117	117	91	91	91	91	59	59	56	56	56	56	56
77+20	510 NE 130TH ST, Seattle	SF	72	161	157	157	133	133	133	133	58	58	54	53	51	53	51
77+20	516 NE 130TH ST, Seattle	SF	72	221	217	217	193	193	193	193	57	57	53	51	51	51	51
78+40	511 NE 131ST PL, Seattle	SF	72	170	165	165	142	142	142	142	58	58	54	52	51	52	51
78+40	519 NE 131ST PL, Seattle	SF	72	245	240	240	217	217	217	217	57	57	53	51	50	51	50

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
78+40	505 NE 131ST PL, Seattle	SF	72	105	100	100	77	77	77	77	59	59	56	59	59	59	59
79+40	520 NE 131ST PL, Seattle	SF	72	244	240	240	216	216	216	216	57	57	53	51	50	51	50
79+40	510 NE 131ST PL, Seattle	SF	72	169	165	165	141	141	141	141	58	58	54	52	51	52	51
82+30	13130 5TH AVE NE, Seattle	SF	72	231	226	226	204	204	204	204	54	54	50	48	47	48	47
115+10	522 NE 145TH ST, Shoreline	SF	72	310	314	336	346	346	314	336	53	50	50	53	53	50	50
115+20	516 NE 145TH ST, Shoreline	SF	72	250	254	276	287	286	254	276	53	50	50	53	53	50	50
116+10	14515 6TH AVE NE, Shoreline	SF	72	278	281	307	314	313	281	307	53	50	50	53	53	50	50
116+40	14512 5TH AVE NE, Shoreline	SF	72	162	164	191	196	196	164	191	54	51	51	54	54	51	51
116+50	14521 6TH AVE NE, Shoreline	SF	72	297	299	326	331	331	299	326	53	50	50	53	53	50	50
116+90	14518 5TH AVE NE, Shoreline	SF	72	183	183	210	215	214	183	210	54	51	50	53	53	51	50
117+00	14525 6TH AVE NE, Shoreline	SF	72	319	319	345	350	350	319	345	53	50	50	53	53	50	50
117+40	14526 5TH AVE NE, Shoreline	SF	72	205	205	228	234	234	205	228	53	50	50	53	53	50	50
117+80	14535 6TH AVE NE, Shoreline	SF	72	353	352	373	381	380	352	373	53	50	50	52	52	50	50
118+00	14532 5TH AVE NE, Shoreline	SF	72	228	227	247	255	255	227	247	50	50	50	53	53	50	50
118+60	14541 6TH AVE NE, Shoreline	SF	72	386	385	401	413	413	385	401	49	49	49	52	52	49	49
118+60	14540 5TH AVE NE, Shoreline	SF	72	250	249	266	277	277	249	266	50	50	50	53	53	50	50
119+10	14544 5TH AVE NE, Shoreline	SF	72	273	272	285	300	300	272	285	50	50	50	53	53	50	50
119+20	14549 6TH AVE NE, Shoreline	SF	72	408	408	420	435	435	408	420	49	49	49	52	52	49	49
119+70	14552 5TH AVE NE, Shoreline	SF	72	295	294	304	322	322	294	304	50	50	50	53	53	50	50
119+70	14555 6TH AVE NE, Shoreline	SF	72	431	430	439	458	458	430	439	49	49	49	52	52	49	49

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
120+20	14556 5TH AVE NE, Shoreline	SF	72	317	317	322	344	344	317	322	50	50	50	53	53	50	50
120+30	14565 6TH AVE NE, Shoreline	SF	72	453	453	458	480	480	453	458	49	49	49	52	52	49	49
120+80	14567 6TH AVE NE, Shoreline	SF	72	476	475	477	503	503	475	477	49	49	49	52	52	49	49
120+80	14560 5TH AVE NE, Shoreline	SF	72	340	339	341	367	367	339	341	50	50	50	53	53	50	50
121+10	14579 6TH AVE NE, Shoreline	SF	72	555	554	553	582	582	554	553	49	49	49	52	52	49	49
121+30	14570 5TH AVE NE, Shoreline	SF	72	362	362	360	389	389	362	360	50	50	50	52	52	50	50
121+80	515 NE 148TH ST, Shoreline	SF	72	488	488	483	515	515	488	483	49	49	49	52	52	49	49
121+90	14574 5TH AVE NE, Shoreline	SF	72	385	384	379	412	412	384	379	49	49	49	52	52	49	49
122+30	345 NE 148TH ST, Shoreline	SF	72	125	DISP	118	152	152	DISP	118	63	---	59	61	61	---	59
122+30	14578 5TH AVE NE, Shoreline	SF	72	402	401	395	429	429	401	395	50	47	48	50	50	47	48
122+50	339 NE 148TH ST, Shoreline	SF	72	113	DISP	104	140	140	DISP	104	64	---	60	62	62	---	60
122+60	14727 5TH AVE NE, Shoreline	SF	72	202	DISP	195	229	229	DISP	195	57	---	54	56	56	---	54
122+80	333 NE 148TH ST, Shoreline	SF	72	DISP	DISP	DISP	77	78	DISP	DISP	---	---	---	67	67	---	---
122+80	327 NE 148TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
123+50	14802 5TH AVE NE, Shoreline	SF	72	452	452	446	479	479	452	446	50	47	47	50	50	47	47
123+70	358 NE 148TH ST, Shoreline	SF	72	286	286	280	312	312	286	280	54	51	51	53	53	51	51
123+90	14808 5TH AVE NE, Shoreline	SF	72	473	473	467	498	498	473	467	50	47	47	50	50	47	47
123+90	348 NE 148TH ST, Shoreline	SF	72	228	228	223	254	254	228	223	56	53	53	55	55	53	53
124+20	14807 5TH AVE NE, Shoreline	SF	72	312	313	309	337	337	313	309	53	50	50	57	57	50	50

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
124+20	342 NE 148TH ST, Shoreline	SF	72	171	171	167	197	197	171	167	59	55	56	62	62	55	56
124+30	14812 5TH AVE NE, Shoreline	SF	72	493	493	490	517	517	493	490	50	47	47	54	54	47	47
124+40	336 NE 148TH ST, Shoreline	SF	72	114	115	112	139	139	115	112	64	60	60	65	65	60	60
124+70	357 NE 149TH ST, Shoreline	SF	72	370	371	369	393	393	371	369	51	48	52	55	55	48	52
124+70	330 NE 148TH ST, Shoreline	SF	72	74	75	73	96	96	75	73	67	63	64	67	67	63	64
124+80	14818 5TH AVE NE, Shoreline	SF	72	518	519	517	540	540	519	517	50	47	51	54	54	47	51
124+90	351 NE 149TH ST, Shoreline	SF	72	317	318	316	338	338	318	316	53	50	53	57	57	50	53
125+00	324 NE 148TH ST, Shoreline	SF	72	DISP	25	24	44	44	25	24	---	71	72	72	72	71	72
125+10	316 NE 148TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
125+20	345 NE 149TH ST, Shoreline	SF	72	263	265	264	284	284	265	264	55	52	55	59	59	52	55
125+40	339 NE 149TH ST, Shoreline	SF	72	209	212	211	229	229	212	211	57	53	56	61	61	53	56
125+40	14902 5TH AVE NE, Shoreline	SF	72	543	545	544	562	562	545	544	50	47	51	54	54	47	51
125+70	333 NE 149TH ST, Shoreline	SF	72	156	159	159	174	174	159	159	60	56	58	63	63	56	58
125+90	14910 5TH AVE NE, Shoreline	SF	72	568	571	571	585	585	571	571	50	47	51	54	54	47	51
126+00	327 NE 149TH ST, Shoreline	SF	72	102	106	106	119	119	106	106	65	61	61	66	66	61	61
126+30	321 NE 149TH ST, Shoreline	SF	72	81	87	87	94	94	87	87	67	62	62	67	67	62	62
126+50	309 NE 149TH ST, Shoreline	SF	72	DISP	27	27	32	32	27	27	---	71	71	75	75	71	71
126+50	14916 5TH AVE NE, Shoreline	SF	72	593	598	599	607	607	598	599	50	51	51	54	54	51	51
127+00	14922 5TH AVE NE, Shoreline	SF	72	619	624	625	629	629	624	625	50	50	51	54	54	50	51

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
127+10	305 NE 149TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
127+60	14928 5TH AVE NE, Shoreline	SF	72	644	648	649	652	652	648	649	50	50	50	54	54	50	50
128+00	320 NE 149TH ST, Shoreline	SF	72	130	134	134	137	137	134	134	62	62	62	65	65	62	62
128+20	14934 5TH AVE NE, Shoreline	SF	72	669	672	672	674	674	672	672	50	50	50	54	54	50	50
128+40	314 NE 149TH ST, Shoreline	SF	72	81	83	83	101	104	83	83	67	66	66	67	67	66	66
128+90	15100 5TH AVE NE, Shoreline	SF	72	693	694	694	697	697	694	694	50	50	50	54	54	50	50
129+60	313 NE 151ST ST, Shoreline	SF	72	130	131	131	133	133	131	131	62	62	62	65	65	62	62
129+90	307 NE 151ST ST, Shoreline	SF	72	98	104	103	105	106	104	103	65	64	65	66	66	64	65
130+00	308 NE 149TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
130+20	301 NE 151ST ST, Shoreline	SF	72	29	DISP	DISP	DISP	DISP	DISP	DISP	79	---	---	---	---	---	---
130+40	15101 3RD AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
131+80	306 NE 151ST ST, Shoreline	SF	72	110	112	112	114	114	112	112	66	64	64	66	66	64	64
132+20	15109 3RD AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
132+50	15112 3RD AVE NE, Shoreline	SF	72	116	118	118	120	120	118	118	66	66	63	66	66	66	63
132+90	311 NE 152ND ST, Shoreline	SF	72	197	199	199	200	200	199	199	62	62	57	62	62	62	57
133+10	15117 3RD AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
133+20	305 NE 152ND ST, Shoreline	SF	72	145	148	148	149	149	148	148	65	64	61	64	64	64	61
133+70	15121 3RD AVE NE, Shoreline	SF	72	47	50	50	51	51	50	50	71	71	70	70	70	71	70
134+70	310 NE 152ND ST, Shoreline	SF	72	277	280	280	281	281	280	280	59	59	54	54	59	59	54

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
135+00	225 NE 152ND ST, Shoreline	CH	75	100	107	100	104	109	107	100	20	20	33	20	20	20	33
135+00	304 NE 152ND ST, Shoreline	SF	72	219	221	221	222	222	221	221	61	61	61	56	61	61	61
135+90	411 NE 153RD ST, Shoreline	SF	72	347	350	350	349	349	350	350	56	56	56	52	52	56	56
137+00	405 NE 153RD ST, Shoreline	SF	72	264	267	267	259	259	267	267	60	59	59	55	55	59	59
137+00	407 NE 153RD ST, Shoreline	SF	72	264	267	267	259	259	267	267	60	59	59	55	55	59	59
138+00	403 NE 153RD ST, Shoreline	SF	72	304	308	308	292	292	308	308	56	56	56	50	50	56	56
138+40	15240 3RD AVE NE, Shoreline	SF	72	210	214	214	195	195	214	214	57	57	57	51	51	57	57
139+00	401 NE 153RD ST, Shoreline	SF	72	345	349	349	326	326	349	349	56	56	56	50	50	56	56
139+40	15451 4TH AVE NE, Shoreline	SF	72	363	367	367	343	343	367	367	56	56	56	50	50	56	56
140+00	15404 2ND AVE NE, Shoreline	SF	72	237	241	241	217	217	241	241	57	57	57	50	50	57	57
140+50	15401 2ND AVE NE, Shoreline	SF	72	133	138	138	113	113	138	138	59	59	59	53	53	59	59
140+50	15407 2ND AVE NE, Shoreline	SF	72	121	126	126	101	101	126	126	59	59	59	55	55	59	59
140+70	15408 2ND AVE NE, Shoreline	SF	72	298	302	302	278	278	302	302	57	56	56	50	50	56	56
141+00	145 NE 155TH ST, Shoreline	MF	72	73	78	78	53	53	78	78	58	58	58	60	60	58	58
141+60	15419 2ND AVE NE, Shoreline	SF	72	164	169	169	144	144	169	169	58	58	58	51	51	58	58
142+20	15425 2ND AVE NE, Shoreline	SF	72	190	195	195	170	170	195	195	58	54	54	51	51	54	54
142+80	165 NE 155TH ST, Shoreline	SF	72	214	219	219	193	193	219	219	57	53	53	51	51	53	53
143+20	157 NE 156TH ST, Shoreline	SF	72	408	413	413	388	388	413	413	56	52	52	49	49	52	52
143+50	151 NE 156TH ST, Shoreline	SF	72	351	357	357	331	331	357	357	56	53	53	50	50	53	53

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
143+70	143 NE 156TH ST, Shoreline	SF	72	295	300	300	275	275	300	300	57	53	53	50	50	53	53
144+00	137 NE 156TH ST, Shoreline	SF	72	238	244	244	DISP	DISP	244	244	57	53	53	---	---	53	53
144+30	132 NE 155TH ST, Shoreline	SF	72	172	178	178	DISP	DISP	178	178	54	51	51	---	---	51	51
144+60	125 NE 156TH ST, Shoreline	SF	72	99	105	105	DISP	DISP	105	105	52	52	52	---	---	52	52
144+90	156 NE 156TH ST, Shoreline	SF	72	476	482	482	456	456	482	482	52	50	50	47	47	50	50
144+90	110 NE 155TH ST, Shoreline	SF	72	62	69	69	DISP	DISP	69	69	61	54	54	---	---	54	54
145+20	148 NE 156TH ST, Shoreline	SF	72	412	418	418	392	392	418	418	52	50	50	47	47	50	50
145+50	142 NE 156TH ST, Shoreline	SF	72	348	354	354	328	328	354	354	52	50	50	47	47	50	50
145+80	136 NE 156TH ST, Shoreline	SF	72	283	290	290	DISP	DISP	290	290	52	50	50	---	---	50	50
146+10	130 NE 156TH ST, Shoreline	SF	72	219	226	226	DISP	DISP	226	226	53	51	51	---	---	51	51
146+40	15615 3RD AVE NE, Shoreline	SF	72	474	480	480	455	455	480	480	52	50	50	47	47	50	50
146+50	106 NE 155TH ST, Shoreline	SF	72	23	32	32	DISP	DISP	32	32	72	61	61	---	---	61	61
146+60	104 NE 156TH ST, Shoreline	SF	72	66	72	72	DISP	DISP	72	72	60	54	54	---	---	54	54
147+10	229 NE 157TH ST, Shoreline	SF	72	305	312	312	289	289	312	312	52	50	50	47	47	50	50
147+10	15621 3RD AVE NE, Shoreline	SF	72	493	500	500	476	476	500	500	52	50	50	47	47	50	50
147+40	223 NE 157TH ST, Shoreline	SF	72	248	255	255	233	233	255	255	53	50	50	48	48	50	50
147+50	241 NE 157TH ST, Shoreline	SF	72	436	443	443	420	420	443	443	52	50	50	47	47	50	50
147+60	125 NE 157TH ST, Shoreline	SF	72	194	201	201	179	179	201	201	53	51	51	48	48	51	51
147+60	235 NE 157TH ST, Shoreline	SF	72	379	386	386	364	364	386	386	52	50	50	47	47	50	50

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
147+70	122 NE 156TH ST, Shoreline	SF	72	177	184	184	DISP	DISP	184	184	54	51	51	---	---	51	51
147+80	15625 3RD AVE NE, Shoreline	SF	72	510	517	517	495	495	517	517	52	50	50	47	47	50	50
148+00	108 NE 156TH ST, Shoreline	SF	72	115	122	122	DISP	DISP	122	122	54	52	52	---	---	52	52
148+20	15618 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
148+40	117 NE 157TH ST, Shoreline	SF	72	143	150	150	130	130	150	150	54	51	51	49	49	51	51
148+60	111 NE 157TH ST, Shoreline	SF	72	DISP	109	109	90	90	109	109	---	52	52	51	51	52	52
148+80	101 NE 157TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
149+90	126 NE 157TH ST, Shoreline	SF	72	249	256	256	239	239	256	256	53	50	50	51	51	50	50
150+00	116 NE 157TH ST, Shoreline	SF	72	192	199	199	183	183	199	199	53	51	51	51	51	51	51
150+60	108 NE 157TH ST, Shoreline	SF	72	114	124	124	107	107	124	124	59	56	56	59	59	56	56
151+00	15710 1ST AVE NE, Shoreline	SF	72	145	163	163	140	140	163	163	58	54	54	58	58	54	54
151+40	117 NE 158TH ST, Shoreline	SF	72	211	218	218	205	205	218	218	57	57	57	57	57	57	57
151+50	111 NE 158TH ST, Shoreline	SF	72	143	150	150	137	137	150	150	58	58	58	59	59	58	58
151+60	105 NE 158TH ST, Shoreline	SF	72	94	102	102	92	92	102	102	60	59	59	60	60	59	59
155+00	104 NE 158TH ST, Shoreline	SF	72	94	102	102	94	94	102	102	60	59	59	60	60	59	59
155+10	116 NE 158TH ST, Shoreline	SF	72	214	221	221	221	221	221	221	57	57	57	57	57	57	57
155+10	110 NE 158TH ST, Shoreline	SF	72	145	152	152	152	152	152	152	58	58	58	58	58	58	58
156+40	105 NE 159TH ST, Shoreline	SF	72	68	76	76	76	76	76	76	63	62	62	62	62	62	62
156+50	113 NE 159TH ST, Shoreline	SF	72	129	135	135	135	135	135	135	59	59	59	59	59	59	59

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
156+70	117 NE 159TH ST, Shoreline	SF	72	197	204	204	204	204	204	204	58	57	57	57	57	57	57
158+40	104 NE 159TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
158+60	114 NE 159TH ST, Shoreline	SF	72	128	135	135	135	135	135	135	59	59	59	59	59	59	59
158+70	118 NE 159TH ST, Shoreline	SF	72	159	166	166	166	166	166	166	58	58	58	58	58	58	58
159+10	15918 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
159+80	15924 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
160+00	115 NE 161ST ST, Shoreline	SF	72	109	114	114	114	114	114	114	59	59	59	59	59	59	59
160+10	123 NE 161ST ST, Shoreline	SF	72	167	173	173	173	173	173	173	58	58	58	58	58	58	58
161+90	114 NE 161ST ST, Shoreline	SF	72	90	97	97	97	97	97	97	60	59	59	59	59	59	59
162+00	122 NE 161ST ST, Shoreline	SF	72	120	125	125	125	125	125	125	59	59	59	59	59	59	59
162+10	128 NE 161ST ST, Shoreline	SF	72	179	184	184	184	184	184	184	58	58	58	58	58	58	58
165+20	121 NE 163RD ST, Shoreline	SF	72	DISP	27	27	27	27	27	27	---	79	79	79	79	79	79
166+30	129 NE 163RD ST, Shoreline	SF	72	93	98	98	98	98	98	98	64	64	64	64	64	64	64
166+40	303 NE 163RD ST, Shoreline	SF	72	143	147	147	147	147	147	147	63	63	63	63	63	63	63
167+50	128 NE 163RD ST, Shoreline	SF	72	71	76	76	76	76	76	76	67	66	66	66	66	66	66
167+70	124 NE 163RD ST, Shoreline	SF	72	62	66	66	66	66	66	66	69	68	68	68	68	68	68
167+90	304 NE 163RD ST, Shoreline	SF	72	120	124	124	124	124	124	124	63	63	63	63	63	63	63
168+00	310 NE 163RD ST, Shoreline	SF	72	179	184	184	184	184	184	184	63	63	63	63	63	63	63
168+10	127 NE 164TH ST, Shoreline	SF	72	58	63	63	63	63	63	63	70	69	69	69	69	69	69

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
169+00	139 NE 164TH ST, Shoreline	SF	72	170	174	174	174	174	174	174	63	63	63	63	63	63	63
169+00	135 NE 164TH ST, Shoreline	SF	72	110	114	114	114	114	114	114	64	64	64	64	64	64	64
170+50	134 NE 164TH ST, Shoreline	SF	72	103	117	117	117	117	117	117	67	65	65	65	65	65	65
170+50	140 NE 164TH ST, Shoreline	SF	72	163	167	167	167	167	167	167	63	63	63	63	63	63	63
170+60	127 NE 165TH ST, Shoreline	SF	72	50	54	54	54	54	54	54	71	71	71	71	71	71	71
170+60	132 NE 164TH ST, Shoreline	SF	72	50	54	54	54	54	54	54	71	71	71	71	71	71	71
170+70	141 NE 165TH ST, Shoreline	SF	72	162	166	166	166	166	166	166	63	63	63	63	63	63	63
170+70	135 NE 165TH ST, Shoreline	SF	72	102	117	117	117	117	117	117	67	65	65	65	65	65	65
172+10	140 NE 165TH ST, Shoreline	SF	72	179	182	182	182	182	182	182	63	63	63	63	63	63	63
172+10	132 NE 165TH ST, Shoreline	SF	72	118	123	123	123	123	123	123	65	65	65	65	65	65	65
172+30	126 NE 165TH ST, Shoreline	SF	72	43	48	48	48	48	48	48	72	71	71	71	71	71	71
173+20	140 NE 165TH PL, Shoreline	SF	72	204	208	208	208	208	208	208	62	62	62	62	62	62	62
173+20	124 NE 165TH PL, Shoreline	SF	72	41	47	47	47	47	47	47	72	71	71	71	71	71	71
173+60	134 NE 165TH PL, Shoreline	SF	72	136	140	140	140	140	140	140	64	64	64	64	64	64	64
174+30	131 NE 166TH ST, Shoreline	SF	72	150	153	153	153	153	153	153	64	64	64	64	64	64	64
174+40	123 NE 166TH ST, Shoreline	SF	72	98	102	102	102	102	102	102	67	67	67	67	67	67	67
174+60	119 NE 166TH ST, Shoreline	SF	72	41	47	47	47	47	47	47	72	71	71	71	71	71	71
175+80	130 NE 166TH ST, Shoreline	SF	72	180	183	183	183	183	183	183	63	63	63	63	63	63	63
176+00	124 NE 166TH ST, Shoreline	SF	72	107	129	129	129	129	129	129	66	64	64	64	64	64	64

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
176+30	120 NE 166TH ST, Shoreline	SF	72	53	57	57	57	57	57	57	71	71	71	71	71	71	71
176+90	123 NE 167TH ST, Shoreline	SF	72	150	153	153	153	153	153	153	64	64	64	64	64	64	64
177+10	117 NE 167TH ST, Shoreline	SF	72	112	117	117	117	117	117	117	66	65	65	65	65	65	65
178+30	111 NE 167TH ST, Shoreline	SF	72	60	64	64	64	64	64	64	70	70	70	70	70	70	70
179+30	132 NE 167TH ST, Shoreline	SF	72	236	240	240	240	240	240	240	62	61	61	61	61	61	61
179+30	136 NE 167TH ST, Shoreline	SF	72	296	299	299	299	299	299	299	60	60	60	60	60	60	60
179+80	114 NE 167TH ST, Shoreline	SF	72	DISP	26	26	26	26	26	26	---	74	74	74	74	74	74
179+90	118 NE 167TH ST, Shoreline	SF	72	84	88	88	88	88	88	88	68	68	68	68	68	68	68
179+90	126 NE 167TH ST, Shoreline	SF	72	170	173	173	173	173	173	173	63	63	63	63	63	63	63
179+90	16719 3RD AVE NE, Shoreline	SF	72	232	236	236	236	236	236	236	62	62	62	62	62	62	62
180+50	16719 2ND AVE NE, Shoreline	SF	72	57	61	61	61	61	61	61	71	70	70	70	70	70	70
180+50	16716 2ND AVE NE, Shoreline	SF	72	149	153	153	153	153	153	153	64	64	64	64	64	64	64
180+90	16725 3RD AVE NE, Shoreline	SF	72	263	267	267	267	267	267	267	61	61	61	61	61	61	61
181+10	16723 2ND AVE NE, Shoreline	SF	72	55	59	59	59	59	59	59	71	70	70	70	70	70	70
181+20	16722 2ND AVE NE, Shoreline	SF	72	146	150	150	150	150	150	150	64	64	64	64	64	64	64
181+80	16729 2ND AVE NE, Shoreline	SF	72	50	54	54	54	54	54	54	71	71	71	71	71	71	71
181+80	16728 2ND AVE NE, Shoreline	SF	72	142	146	146	146	146	146	146	64	64	64	64	64	64	64
181+90	16735 3RD AVE NE, Shoreline	SF	72	258	261	261	261	261	261	261	61	61	61	61	61	61	61
182+40	16731 2ND AVE NE, Shoreline	SF	72	50	54	54	54	54	54	54	71	71	71	71	71	71	71

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
182+50	16738 2ND AVE NE, Shoreline	SF	72	138	141	141	141	141	141	141	64	64	64	64	64	64	64
182+60	16741 3RD AVE NE, Shoreline	SF	72	248	252	252	252	252	252	252	61	61	61	61	61	61	61
182+90	16735 2ND AVE NE, Shoreline	SF	72	45	49	49	49	49	49	49	72	71	71	71	71	71	71
183+00	16741 2ND AVE NE, Shoreline	SF	72	43	48	48	48	48	48	48	72	71	71	71	71	71	71
183+30	16747 3RD AVE NE, Shoreline	SF	72	211	215	215	215	215	215	215	62	62	62	62	62	62	62
183+80	16742 2ND AVE NE, Shoreline	SF	72	123	127	127	127	127	127	127	65	64	64	64	64	64	64
184+00	16753 3RD AVE NE, Shoreline	SF	72	203	206	206	206	206	206	206	62	62	62	62	62	62	62
185+00	109 NE 170TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
185+00	16761 3RD AVE NE, Shoreline	SF	72	185	189	189	189	189	189	189	63	63	63	63	63	63	63
185+20	121 NE 170TH ST, Shoreline	SF	72	101	133	133	133	133	133	133	67	64	64	64	64	64	64
185+30	204 NE 170TH ST, Shoreline	SF	72	399	403	403	403	403	403	403	58	58	58	58	58	58	58
185+30	119 NE 170TH ST, Shoreline	SF	72	45	50	50	50	50	50	50	72	71	71	71	71	71	71
185+70	110 NE 170TH ST, Shoreline	SF	72	205	209	209	209	209	209	209	62	62	62	62	62	62	62
185+80	104 NE 170TH ST, Shoreline	SF	72	97	101	101	101	101	101	101	67	67	67	67	67	67	67
186+10	17010 2ND AVE NE, Shoreline	SF	72	405	409	409	409	409	409	409	56	56	56	56	56	56	56
186+40	17011 2ND AVE NE, Shoreline	SF	72	210	214	214	214	214	214	214	57	57	57	57	57	57	57
186+50	17010 1ST AVE NE, Shoreline	SF	72	99	104	104	104	104	104	104	59	59	59	59	59	59	59
186+80	17016 2ND AVE NE, Shoreline	SF	72	409	412	412	412	412	412	412	56	56	56	56	56	56	56
187+10	17017 2ND AVE NE, Shoreline	SF	72	214	217	217	217	217	217	217	57	57	57	57	57	57	57

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
187+20	17016 1ST AVE NE, Shoreline	SF	72	96	101	101	101	101	101	101	60	59	59	59	59	59	59
188+40	17022 2ND AVE NE, Shoreline	SF	72	410	413	413	413	413	413	413	56	56	56	56	56	56	56
188+40	17022 1ST AVE NE, Shoreline	SF	72	96	99	99	99	99	99	99	60	59	59	59	59	59	59
188+40	17023 2ND AVE NE, Shoreline	SF	72	214	218	218	218	218	218	218	57	57	57	57	57	57	57
189+10	17028 1ST AVE NE, Shoreline	SF	72	99	103	103	103	103	103	103	59	59	59	59	59	59	59
189+10	17029 2ND AVE NE, Shoreline	SF	72	212	215	215	215	215	215	215	57	57	57	57	57	57	57
189+10	17028 2ND AVE NE, Shoreline	SF	72	408	411	411	411	411	411	411	56	56	56	56	56	56	56
189+70	17034 1ST AVE NE, Shoreline	SF	72	93	97	97	97	97	97	97	60	59	59	59	59	59	59
189+80	17035 2ND AVE NE, Shoreline	SF	72	208	211	211	211	211	211	211	57	57	57	57	57	57	57
189+90	17034 2ND AVE NE, Shoreline	SF	72	404	407	407	407	407	407	407	56	56	56	56	56	56	56
190+40	17040 1ST AVE NE, Shoreline	SF	72	90	95	95	95	95	95	95	60	60	60	60	60	60	60
190+50	17041 2ND AVE NE, Shoreline	SF	72	202	205	205	205	205	205	205	57	57	57	57	57	57	57
190+60	17040 2ND AVE NE, Shoreline	SF	72	397	401	401	401	401	401	401	56	56	56	56	56	56	56
191+00	17046 1ST AVE NE, Shoreline	SF	72	80	85	85	85	85	85	85	61	60	60	60	60	60	60
191+20	17047 2ND AVE NE, Shoreline	SF	72	194	198	198	198	198	198	198	58	58	58	58	58	58	58
191+40	17046 2ND AVE NE, Shoreline	SF	72	389	393	393	393	393	393	393	56	56	56	56	56	56	56
191+60	17052 1ST AVE NE, Shoreline	SF	72	DISP	72	72	72	72	72	72	---	63	63	63	63	63	63
191+80	17053 2ND AVE NE, Shoreline	SF	72	185	189	189	189	189	189	189	58	58	58	58	58	58	58
192+10	17052 2ND AVE NE, Shoreline	SF	72	379	383	383	383	383	383	383	56	56	56	56	56	56	56

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
192+30	17058 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
192+50	17059 2ND AVE NE, Shoreline	SF	72	174	178	178	178	178	178	178	58	58	58	58	58	58	58
192+80	17058 2ND AVE NE, Shoreline	SF	72	368	371	371	371	371	371	371	56	56	56	56	56	56	56
192+90	17204 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
193+20	17205 2ND AVE NE, Shoreline	SF	72	162	165	165	165	165	165	165	58	58	58	58	58	58	58
193+50	17210 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
193+50	17204 2ND AVE NE, Shoreline	SF	72	354	357	357	357	357	357	357	56	56	56	56	56	56	56
193+80	17211 2ND AVE NE, Shoreline	SF	72	148	151	151	151	151	151	151	58	58	58	58	58	58	58
194+10	17216 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
194+10	17222 1ST AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
194+30	17210 2ND AVE NE, Shoreline	SF	72	339	342	342	342	342	342	342	56	56	56	56	56	56	56
194+40	17217 2ND AVE NE, Shoreline	SF	72	132	135	135	135	135	135	135	59	59	59	59	59	59	59
194+80	105 NE 174TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
195+00	17216 2ND AVE NE, Shoreline	SF	72	322	325	325	325	325	325	325	56	53	53	53	53	53	53
195+10	17223 2ND AVE NE, Shoreline	SF	72	114	117	117	117	117	117	117	59	56	56	56	56	56	56
195+70	17222 2ND AVE NE, Shoreline	SF	72	303	306	306	306	306	306	306	56	53	53	53	53	53	53
195+70	111 NE 174TH ST, Shoreline	SF	72	148	151	151	151	151	151	151	58	55	55	55	55	55	55
196+10	110 NE 174TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
196+30	205 NE 174TH ST, Shoreline	SF	72	283	286	286	286	286	286	286	53	53	53	53	53	53	53

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
197+50	116 NE 174TH ST, Shoreline	SF	72	57	60	60	60	60	60	60	62	61	61	61	61	61	61
197+70	122 NE 174TH ST, Shoreline	SF	72	106	109	109	109	109	109	109	56	56	56	56	56	56	56
197+90	128 NE 174TH ST, Shoreline	SF	72	127	130	130	130	130	130	130	55	55	55	55	55	55	55
198+10	204 NE 174TH ST, Shoreline	SF	72	184	187	187	187	187	187	187	54	54	54	54	54	54	54
198+20	210 NE 174TH ST, Shoreline	SF	72	244	247	247	247	247	247	247	53	53	53	53	53	53	53
199+40	211 NE 175TH ST, Shoreline	SF	72	200	203	203	203	203	203	203	53	53	53	53	53	53	53
199+90	217 NE 175TH ST, Shoreline	SF	72	252	255	255	255	255	255	255	53	53	53	53	53	53	53
200+10	223 NE 175TH ST, Shoreline	SF	72	305	308	308	308	308	308	308	53	53	53	53	53	53	53
201+00	208 NE 175TH ST, Shoreline	SF	72	86	90	90	90	90	90	90	57	57	57	57	57	57	57
202+20	222 NE 175TH ST, Shoreline	SF	72	219	222	222	222	222	222	222	53	53	53	53	53	53	53
202+30	216 NE 175TH ST, Shoreline	SF	72	115	119	119	119	119	119	119	56	56	56	56	56	56	56
202+60	230 NE SERPENTINE PL, Shoreline	SF	72	276	280	280	280	280	280	280	53	53	53	53	53	53	53
202+80	206 NE 175TH ST, Shoreline	SF	72	DISP	29	29	29	29	29	29	---	69	69	69	69	69	69
202+80	17733 2ND PL NE, Shoreline	SF	72	76	81	81	81	81	81	81	58	57	57	57	57	57	57
203+20	218 NE 175TH ST, Shoreline	SF	72	120	125	125	125	125	125	125	56	56	56	56	56	56	56
203+20	17737 2ND PL NE, Shoreline	SF	72	22	DISP	DISP	DISP	DISP	DISP	DISP	72	---	---	---	---	---	---
203+50	220 NE 175TH ST, Shoreline	SF	72	133	137	137	137	137	137	137	55	55	55	55	55	55	55
203+50	17734 2ND PL NE, Shoreline	SF	72	134	138	138	138	138	138	138	55	55	55	55	55	55	55
203+90	234 NE SERPENTINE PL, Shoreline	SF	72	212	217	217	217	217	217	217	53	53	53	53	53	53	53

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
205+00	17741 2ND PL NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
205+40	17738 2ND PL NE, Shoreline	SF	72	187	191	191	191	191	191	191	58	54	54	54	54	54	54
205+40	17747 2ND PL NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
206+00	17753 2ND PL NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
206+10	308 NE SERPENTINE PL, Shoreline	SF	72	274	279	279	279	279	279	279	57	53	53	53	53	53	53
206+30	17748 2ND PL NE, Shoreline	SF	72	124	128	128	128	128	128	128	59	55	55	55	55	55	55
206+40	239 NE 178TH ST, Shoreline	SF	72	122	126	126	126	126	126	126	59	55	55	55	55	55	55
207+00	224 NE 178TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
207+40	311 NE 178TH ST, Shoreline	SF	72	193	198	198	198	198	198	198	58	53	53	53	53	53	53
207+50	230 NE 178TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
208+20	17803 3RD AVE NE, Shoreline	SF	72	71	76	76	76	76	76	76	66	61	61	61	61	61	61
208+80	17804 3RD AVE NE, Shoreline	SF	72	177	182	182	182	182	182	182	58	56	56	56	56	56	56
209+00	17809 3RD AVE NE, Shoreline	SF	72	34	40	40	40	40	40	40	75	67	67	67	67	67	67
209+30	17810 3RD AVE NE, Shoreline	SF	72	155	160	160	160	160	160	160	59	56	56	56	56	56	56
209+30	312 NE 178TH ST, Shoreline	SF	72	262	267	267	267	267	267	267	57	54	54	54	54	54	54
210+00	17815 3RD AVE NE, Shoreline	SF	72	DISP	22	22	22	22	22	22	---	79	72	79	72	79	72
210+00	17821 3RD AVE NE, Shoreline	SF	72	23	28	28	28	28	28	28	79	77	75	77	75	77	75
210+10	330 NE 178TH ST, Shoreline	SF	72	305	311	311	311	311	311	311	57	57	54	57	54	57	54
210+20	17816 3RD AVE NE, Shoreline	SF	72	178	184	184	184	184	184	184	58	58	56	58	56	58	56

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
210+30	17822 3RD AVE NE, Shoreline	SF	72	145	151	151	151	151	151	151	59	59	56	59	56	59	56
210+50	336 NE 178TH ST, Shoreline	SF	72	362	368	368	368	368	368	368	56	56	53	56	53	56	53
210+90	17825 3RD AVE NE, Shoreline	SF	72	96	101	101	101	101	101	101	61	61	59	61	59	61	59
211+00	340 NE 178TH ST, Shoreline	SF	72	253	259	259	259	259	259	259	57	57	55	57	55	57	55
211+70	344 NE 178TH ST, Shoreline	SF	72	207	213	213	213	213	213	213	58	58	55	58	55	58	55
212+00	337 NE 180TH ST, Shoreline	SF	72	154	161	161	161	161	161	161	59	59	56	59	56	59	56
212+30	348 NE 178TH ST, Shoreline	SF	72	305	311	311	311	311	311	311	57	57	54	57	54	57	54
212+60	335 NE 180TH ST, Shoreline	SF	72	103	109	109	109	109	109	109	61	60	58	60	58	60	58
212+90	333 NE 180TH ST, Shoreline	SF	72	58	65	65	65	65	65	65	68	67	63	67	63	67	63
213+10	17833 5TH AVE NE, Shoreline	SF	72	309	315	315	315	315	315	315	57	57	54	57	54	57	54
213+40	331 NE 180TH ST, Shoreline	SF	72	28	34	34	34	34	34	34	77	80	73	80	73	80	73
213+90	17845 5TH AVE NE, Shoreline	SF	72	259	265	265	265	265	265	265	57	57	54	57	54	57	54
214+50	17857 5TH AVE NE, Shoreline	SF	72	222	229	229	229	229	229	229	58	58	55	58	55	58	55
215+00	332 NE 180TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
215+10	17861 5TH AVE NE, Shoreline	SF	72	184	190	190	190	190	190	190	58	58	55	58	55	58	55
216+30	338 NE 180TH ST, Shoreline	SF	72	40	48	48	48	48	48	48	73	71	68	71	68	71	68
216+70	344 NE 180TH ST, Shoreline	SF	72	90	98	98	98	98	98	98	62	61	59	61	59	61	59
217+00	350 NE 180TH ST, Shoreline	SF	72	154	162	162	162	162	162	162	59	59	56	59	56	59	56
217+30	18019 5TH AVE NE, Shoreline	SF	72	25	32	32	32	32	32	32	78	75	75	75	75	75	75

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
217+30	356 NE 180TH ST, Shoreline	SF	72	151	158	158	158	158	158	158	59	59	56	59	56	59	56
217+50	18017 5TH AVE NE, Shoreline	SF	72	98	105	105	105	105	105	105	61	61	58	61	58	61	58
218+10	18023 5TH AVE NE, Shoreline	SF	72	63	71	71	71	71	71	71	67	66	62	66	62	66	62
218+40	18027 5TH AVE NE, Shoreline	SF	72	45	52	52	52	52	52	52	72	70	64	70	64	70	64
218+60	18016 5TH AVE NE, Shoreline	SF	72	211	219	219	219	219	219	219	58	58	55	58	55	58	55
218+90	18031 5TH AVE NE, Shoreline	SF	72	20	28	28	28	28	28	28	80	77	70	77	70	77	70
219+90	18034 5TH AVE NE, Shoreline	SF	72	129	137	137	137	137	137	137	60	59	56	59	56	59	56
220+00	18041 5TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
220+50	18036 5TH AVE NE, Shoreline	SF	72	142	152	152	152	152	152	152	58	58	55	58	55	58	55
221+00	504 NE 182ND CT, Shoreline	SF	72	101	113	113	109	113	109	113	59	59	56	59	56	59	56
221+60	18210 5TH AVE NE, Shoreline	SF	72	83	100	100	91	100	91	100	60	59	56	60	56	60	56
221+70	505 NE 183RD CT, Shoreline	SF	72	DISP	DISP	76	DISP	76	DISP	81	---	---	58	---	58	---	57
222+20	514 NE 182ND CT, Shoreline	SF	72	146	166	166	155	166	155	166	58	58	54	58	54	58	54
222+60	18310 5TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
222+70	515 NE 183RD CT, Shoreline	SF	72	133	157	157	141	157	141	157	59	58	54	57	54	57	54
222+90	18320 5TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
223+60	18326 5TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
223+80	514 NE 183RD CT, Shoreline	SF	72	83	115	115	91	115	91	115	59	59	56	58	56	58	56
224+10	520 NE 183RD CT, Shoreline	SF	72	110	146	146	118	146	118	146	57	58	55	57	55	57	55

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
224+40	18330 5TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
224+50	18069 7TH AVE NE, Shoreline	SF	72	173	211	211	181	211	181	211	56	57	53	56	53	56	53
225+00	18301 7TH AVE NE, Shoreline	SF	72	146	186	186	153	186	153	186	57	58	54	57	54	57	54
225+50	18307 7TH AVE NE, Shoreline	SF	72	123	165	165	131	165	131	165	57	58	54	57	54	57	54
226+00	18313 7TH AVE NE, Shoreline	SF	72	101	144	144	109	144	109	144	59	58	55	57	55	57	55
226+10	18308 7TH AVE NE, Shoreline	SF	72	272	315	315	279	315	279	315	57	56	53	55	53	55	53
226+70	18323 8TH AVE NE, Shoreline	SF	72	140	181	181	147	181	147	181	58	58	54	52	54	52	54
226+70	18316 7TH AVE NE, Shoreline	SF	72	145	187	187	152	187	152	187	58	58	54	52	54	52	54
226+90	18317 8TH AVE NE, Shoreline	SF	72	258	299	299	265	299	265	299	57	51	50	51	50	51	50
227+30	18329 8TH AVE NE, Shoreline	SF	72	161	200	200	167	200	167	200	58	51	50	52	50	52	50
228+80	721 NE 185TH ST, Shoreline	SF	72	170	199	199	176	199	176	199	58	51	50	52	50	52	50
229+00	731 NE 185TH ST, Shoreline	SF	72	233	260	260	240	260	240	260	57	51	50	51	50	51	50
229+20	18342 8TH AVE NE, Shoreline	SF	72	410	434	434	417	434	417	434	56	50	49	50	49	50	49
230+10	814 NE 185TH ST, Shoreline	SF	72	449	464	464	455	464	455	464	42	42	41	42	41	42	41
230+80	18510 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
230+90	18504 8TH AVE NE, Shoreline	SF	72	382	391	391	388	391	388	391	42	42	41	42	41	42	41
231+00	18511 8TH AVE NE, Shoreline	SF	72	DISP	187	DISP	DISP	DISP	DISP	DISP	---	45	---	---	---	---	---
231+10	18509 8TH AVE NE, Shoreline	SF	72	DISP	248	DISP	DISP	DISP	DISP	DISP	---	44	---	---	---	---	---
231+40	18516 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
231+60	18517 8TH AVE NE, Shoreline	SF	72	DISP	171	DISP	DISP	DISP	DISP	DISP	---	46	---	---	---	---	---
231+60	18510 8TH AVE NE, Shoreline	SF	72	372	375	375	378	375	378	375	43	43	42	42	42	42	42
232+00	18520 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
232+20	18523 8TH AVE NE, Shoreline	SF	72	DISP	155	DISP	DISP	DISP	DISP	DISP	---	47	---	---	---	---	---
232+20	18516 8TH AVE NE, Shoreline	SF	72	363	360	360	368	360	368	360	43	43	42	43	42	43	42
232+50	18528 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
232+70	18534 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
232+70	18522 8TH AVE NE, Shoreline	SF	72	353	345	345	359	345	359	345	43	43	42	43	42	43	42
232+90	18529 8TH AVE NE, Shoreline	SF	72	DISP	148	DISP	DISP	DISP	DISP	DISP	---	48	---	---	---	---	---
233+30	18528 8TH AVE NE, Shoreline	SF	72	343	330	330	349	330	349	330	43	43	42	43	42	43	42
233+30	18540 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
233+40	18533 8TH AVE NE, Shoreline	SF	72	DISP	134	DISP	DISP	DISP	DISP	DISP	---	49	---	---	---	---	---
233+90	18546 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
233+90	18534 8TH AVE NE, Shoreline	SF	72	334	315	315	339	315	339	315	43	43	42	43	42	43	42
234+00	18539 8TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
234+40	18547 8TH AVE NE, Shoreline	SF	72	130	107	107	135	107	135	107	50	53	49	49	49	49	49
234+50	18540 8TH AVE NE, Shoreline	SF	72	324	299	299	329	299	329	299	43	44	43	43	43	43	43
235+00	18552 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
235+10	18558 7TH AVE NE, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
235+30	18553 8TH AVE NE, Shoreline	SF	72	183	155	155	186	155	186	155	51	47	45	45	45	45	45
235+70	18554 8TH AVE NE, Shoreline	SF	72	305	270	270	309	270	309	270	49	44	43	43	43	43	43
235+80	18559 8TH AVE NE, Shoreline	SF	72	166	130	130	172	130	172	130	52	50	47	46	47	46	47
235+90	811 NE 188TH ST, Shoreline	SF	72	370	334	334	375	334	375	334	48	43	42	43	42	43	42
236+00	817 NE 188TH ST, Shoreline	SF	72	429	392	392	433	392	433	392	47	42	41	42	41	42	41
236+00	823 NE 188TH ST, Shoreline	SF	72	488	451	451	493	451	493	451	47	42	41	42	41	42	41
236+10	829 NE 188TH ST, Shoreline	SF	72	547	509	509	551	509	551	509	47	42	41	42	41	42	41
236+20	835 NE 188TH ST, Shoreline	SF	72	607	569	569	611	569	611	569	47	42	41	42	41	42	41
236+30	841 NE 188TH ST, Shoreline	SF	72	667	628	628	672	628	672	628	47	42	41	42	41	42	41
237+20	703 NE 189TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
237+20	707 NE 189TH ST, Shoreline	SF	72	DISP	DISP	DISP	DISP	DISP	DISP	DISP	---	---	---	---	---	---	---
237+30	721 NE 189TH ST, Shoreline	SF	72	105	65	65	112	65	112	65	56	60	54	55	54	55	54
237+40	18807 8TH AVE NE, Shoreline	SF	72	161	121	121	152	121	152	121	52	51	48	52	48	52	48
237+70	18810 8TH AVE NE, Shoreline	SF	72	273	232	232	277	232	277	232	49	45	44	49	44	49	44
237+80	810 NE 188TH ST, Shoreline	SF	72	341	301	301	345	301	345	301	48	44	43	48	43	48	43
238+70	715 NE 189TH ST, Shoreline	SF	72	30	DISP	DISP	DISP	DISP	DISP	DISP	73	---	---	---	---	---	---
238+70	719 NE 189TH ST, Shoreline	SF	72	75	38	38	85	38	85	38	61	70	62	59	62	59	62
238+80	727 NE 189TH ST, Shoreline	SF	72	132	96	96	128	96	128	96	52	57	50	53	50	53	50
238+90	18820 8TH AVE NE, Shoreline	SF	72	175	238	238	257	238	257	238	51	50	46	50	46	50	46

Table D-1. Projected Vibration for Segment A Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
239+10	811 NE 189TH ST, Shoreline	SF	72	320	286	286	324	286	324	286	49	49	46	48	46	48	46
239+20	718 NE 189TH ST, Shoreline	SF	72	17	DISP	DISP	20	DISP	20	DISP	78	---	---	77	---	77	---
240+60	18915 8TH AVE NE, Shoreline	SF	72	24	DISP	DISP	23	DISP	23	DISP	75	---	---	75	---	75	---
240+70	728 NE 189TH ST, Shoreline	SF	72	100	80	80	105	80	105	80	56	60	52	56	52	56	52
240+80	18910 8TH AVE NE, Shoreline	SF	72	221	197	197	224	197	224	197	50	51	47	50	47	50	47
240+90	810 NE 189TH ST, Shoreline	SF	72	290	266	266	293	266	293	266	49	50	46	49	46	49	46
241+20	18921 8TH AVE NE, Shoreline	SF	72	47	27	27	50	27	50	27	67	74	66	66	66	66	66
242+00	18920 8TH AVE NE, Shoreline	SF	72	202	185	185	204	185	204	185	51	51	47	51	47	51	47
242+20	811 NE 190TH ST, Shoreline	SF	72	270	254	254	273	254	273	254	49	50	46	49	46	49	46
243+60	19011 8TH AVE NE, Shoreline	SF	72	91	84	84	94	84	94	84	58	59	51	57	51	57	51
246+60	19031 8TH AVE NE, Shoreline	SF	72	92	90	90	94	90	94	90	58	58	51	57	51	57	51
246+60	816 NE 190TH ST, Shoreline	SC	75	210	210	210	210	210	210	210	48	48	44	48	44	48	44

Bold Bold red numbers in cells indicate potential vibration impact (See main text for summary of number of potential impacts for each segment alternative)

SF Single-Family Residence

MF Multifamily Residence

HT Hotel

CH Church

SC School

DISP Indicates properties that would be displaced by the project

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
251+50	817 NE 194TH ST, Shoreline	SF	72	100	129	129	129	59	59	59	59
252+60	805 NE 194TH ST, Shoreline	SF	72	53	61	61	61	67	65	65	65
252+80	823 NE 194TH ST, Shoreline	SF	72	174	183	183	183	58	58	58	58
253+00	831 NE 194TH ST, Shoreline	SF	72	238	246	246	246	57	57	57	57
253+40	814 NE 194TH ST, Shoreline	SF	72	46	53	53	53	69	67	67	67
254+20	812 NE 194TH ST, Shoreline	SF	72	80	88	88	88	61	60	60	60
254+50	818 NE 194TH ST, Shoreline	SF	72	117	125	125	125	59	59	59	59
254+70	824 NE 194TH ST, Shoreline	SF	72	178	186	186	186	58	58	58	58
255+40	815 NE 195TH ST, Shoreline	SF	72	79	87	87	87	61	60	60	60
255+60	821 NE 195TH ST, Shoreline	SF	72	119	126	126	126	59	59	59	59
255+90	827 NE 195TH ST, Shoreline	SF	72	178	186	186	186	58	58	58	58
257+60	822 NE 195TH ST, Shoreline	SF	72	50	58	58	58	68	66	66	66
257+70	834 NE 195TH ST, Shoreline	SF	72	122	131	131	131	59	59	59	59
258+00	840 NE 195TH ST, Shoreline	SF	72	156	164	164	164	58	58	58	58
259+30	19705 10TH AVE NE, Shoreline	SF	72	40	50	50	50	76	68	68	68
259+40	19604 10TH AVE NE, Shoreline	SF	72	228	239	239	239	57	57	57	57
259+80	19715 10TH AVE NE, Shoreline	SF	72	45	52	52	52	72	67	67	67
261+00	1010 NE 197TH ST, Shoreline	SF	72	136	148	148	148	59	58	58	58
261+10	19723 10TH AVE NE, Shoreline	SF	72	63	79	79	79	65	61	61	61
261+70	19728 10TH AVE NE, Shoreline	SF	72	150	164	164	164	58	58	58	58
262+70	19731 10TH AVE NE, Shoreline	SF	72	99	115	115	115	59	59	59	59
263+80	19741 10TH AVE NE, Shoreline	SF	72	185	202	202	202	58	58	58	58
264+90	1002 NE 198TH ST, Shoreline	SF	72	114	133	133	133	59	59	59	59
266+10	1006 NE 198TH ST, Shoreline	SF	72	112	133	133	133	56	59	59	59
266+10	1000 NE 198TH ST, Shoreline	SF	72	66	85	85	85	60	60	60	60
268+40	1103 NE 200TH ST, Shoreline	SF	72	130	154	154	154	66	65	65	65

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
269+40	1107 NE 200TH ST, Shoreline	SF	72	162	187	187	187	65	64	64	64
269+60	1109 NE 200TH ST, Shoreline	SF	72	216	241	241	241	63	62	62	62
270+90	1104 NE 200TH ST, Shoreline	SF	72	128	152	152	150	66	65	65	65
271+20	1114 NE 200TH ST, Shoreline	SF	72	219	242	242	240	63	62	62	62
272+00	1112 NE 200TH ST, Shoreline	SF	72	227	249	249	246	62	61	61	62
272+10	1102 NE 200TH ST, Shoreline	SF	72	93	117	117	117	68	67	67	67
272+50	1108 NE 200TH ST, Shoreline	SF	72	110	133	133	129	67	66	66	66
272+60	1110 NE 200TH ST, Shoreline	SF	72	119	141	141	137	67	66	66	66
272+70	20035 12TH AVE NE, Shoreline	SF	72	152	171	171	167	65	65	65	65
272+80	20017 12TH AVE NE, Shoreline	SF	72	188	209	209	204	64	63	63	63
273+00	20019 12TH AVE NE, Shoreline	SF	72	257	278	278	273	61	60	60	61
273+70	20043 12TH AVE NE, Shoreline	SF	72	107	127	119	119	67	66	67	67
273+80	20039 12TH AVE NE, Shoreline	SF	72	198	219	219	212	63	63	63	63
274+50	20041 12TH AVE NE, Shoreline	SF	72	177	196	196	189	64	64	64	64
275+10	20101 12TH AVE NE, Shoreline	SF	72	180	199	199	191	64	63	63	64
275+80	20105 12TH AVE NE, Shoreline	SF	72	161	179	179	169	65	64	64	65
276+00	20109 12TH AVE NE, Shoreline	SF	72	170	188	188	178	65	64	64	64
276+10	20149 FOREST PARK DR NE, Shoreline	SF	72	178	196	196	185	64	64	64	64
277+20	20145 FOREST PARK DR NE, Shoreline	SF	72	261	278	278	265	61	60	60	61
277+40	20141 FOREST PARK DR NE, Shoreline	SF	72	274	291	291	278	61	60	60	60
279+50	20307 14TH AVE NE, Shoreline	SF	72	374	389	389	369	53	52	52	53
280+80	20313 14TH AVE NE, Shoreline	SF	72	365	378	378	354	53	52	52	53
281+30	20317 14TH AVE NE, Shoreline	MF	72	359	372	372	346	53	53	53	53
281+80	20327 14TH AVE NE, Shoreline	MF	72	353	366	366	337	53	53	53	53
282+30	20329 14TH AVE NE, Shoreline	MF	72	347	359	359	329	53	53	53	53

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
283+00	20333 14TH AVE NE, Shoreline	MF	75	339	351	351	318	53	53	53	53
283+50	20343 14TH AVE NE, Shoreline	MF	72	332	344	344	309	53	53	53	53
293+60	6015 244TH ST SW, MOUNTLAKE TERRACE	HT	72	566	569	569	498	47	47	47	47
299+70	23908 60TH AVE W, MOUNTLAKE TERRACE	SF	72	568	568	568	541	52	52	52	49
301+10	23904 60TH AVE W, MOUNTLAKE TERRACE	SF	72	517	519	519	535	52	52	52	49
301+70	23902 60TH AVE W, MOUNTLAKE TERRACE	SF	72	491	493	493	534	52	52	52	49
302+30	23900 60TH AVE W, MOUNTLAKE TERRACE	SF	72	464	467	467	535	52	52	52	49
302+90	23810 60TH AVE W, MOUNTLAKE TERRACE	SF	72	437	440	440	539	52	52	52	49
303+50	23808 60TH AVE W, MOUNTLAKE TERRACE	SF	72	410	414	414	545	52	52	52	49
304+60	23806 60TH AVE W, MOUNTLAKE TERRACE	SF	72	360	364	364	553	53	53	53	49
305+80	23804 60TH AVE W, MOUNTLAKE TERRACE	SF	72	302	307	307	576	53	48	48	49
306+00	23802 60TH AVE W, MOUNTLAKE TERRACE	SF	72	379	384	384	691	46	46	46	47
307+20	5909 238TH ST SW, MOUNTLAKE TERRACE	SF	72	244	246	246	619	49	49	49	47
307+30	6001 238TH ST SW, MOUNTLAKE TERRACE	SF	72	334	336	336	723	47	47	47	47
307+40	5907 238TH ST SW, MOUNTLAKE TERRACE	SF	72	393	395	395	780	46	46	46	47
308+20	5908 237TH ST SW, MOUNTLAKE TERRACE	SF	72	343	344	344	765	53	47	47	47
308+30	5904 237TH ST SW, MOUNTLAKE TERRACE	SF	72	436	437	437	859	52	45	45	47
308+30	6002 237TH ST SW, MOUNTLAKE TERRACE	SF	72	223	224	224	645	53	50	50	47
309+20	5909 237TH ST SW, MOUNTLAKE TERRACE	SF	72	372	372	372	776	53	50	46	45

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
309+20	5907 237TH ST SW, MOUNTLAKE TERRACE	SF	72	432	432	432	836	52	49	45	45
309+80	5906 236TH ST SW, MOUNTLAKE TERRACE	SF	72	342	342	342	739	53	50	47	45
309+80	5904 236TH ST SW, MOUNTLAKE TERRACE	SF	72	432	432	432	827	52	49	45	45
312+30	23509 59TH PL W, MOUNTLAKE TERRACE	SF	72	489	489	489	881	49	49	49	45
312+60	6300 234TH ST SW, MOUNTLAKE TERRACE	SF	72	674	674	674	296	49	49	49	57
312+70	23506 59TH PL W, MOUNTLAKE TERRACE	SF	72	221	221	221	613	50	50	50	55
312+90	23507 59TH PL W, MOUNTLAKE TERRACE	SF	72	456	456	456	847	49	49	49	54
313+10	23505 59TH PL W, MOUNTLAKE TERRACE	SF	72	448	448	448	840	49	49	49	54
313+80	23504 59TH PL W, MOUNTLAKE TERRACE	SF	72	221	221	221	613	50	50	50	55
313+90	23503 59TH PL W, MOUNTLAKE TERRACE	SF	72	449	449	449	840	52	49	49	54
314+10	6301 234TH ST SW, MOUNTLAKE TERRACE	SF	72	675	675	675	303	52	49	49	56
400+30	23310 63RD AVE W, MOUNTLAKE TERRACE	SF	72	676	676	676	304	52	47	49	56
400+40	23501 59TH PL W, MOUNTLAKE TERRACE	SF	72	334	334	334	726	53	50	50	55
400+50	23502 59TH PL W, MOUNTLAKE TERRACE	SF	72	221	221	221	613	53	50	50	55
403+50	23308 63RD AVE W, MOUNTLAKE TERRACE	SF	72	677	663	677	309	50	47	47	56
403+60	6002 233RD PL SW, MOUNTLAKE TERRACE	SF	72	144	164	135	502	52	52	52	50
403+90	6004 233RD PL SW, MOUNTLAKE TERRACE	SF	72	101	132	88	364	55	53	55	51
404+60	6005 233RD PL SW, MOUNTLAKE TERRACE	SF	72	97	130	83	320	55	53	56	51
405+20	6001 233RD PL SW, MOUNTLAKE TERRACE	SF	72	208	242	194	501	51	49	51	50

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
405+80	23306 63RD AVE W, MOUNTLAKE TERRACE	SF	72	662	630	665	311	50	47	47	51
405+90	6002 232ND PL SW, MOUNTLAKE TERRACE	SF	72	242	277	225	501	51	53	50	50
406+30	6004 232ND PL SW, MOUNTLAKE TERRACE	SF	72	131	164	113	376	59	54	53	50
406+60	6006 232ND PL SW, MOUNTLAKE TERRACE	SF	72	155	184	138	291	54	54	52	51
406+60	6003 233RD PL SW, MOUNTLAKE TERRACE	SF	72	161	195	145	320	54	54	52	51
406+90	6001 232ND PL SW, MOUNTLAKE TERRACE	SF	72	312	339	293	501	53	53	53	50
407+10	23304 63RD AVE W, MOUNTLAKE TERRACE	SF	72	629	600	643	313	52	52	52	51
407+90	6005 232ND PL SW, MOUNTLAKE TERRACE	SF	72	130	148	114	271	55	55	56	51
407+90	23302 63RD AVE W, MOUNTLAKE TERRACE	SF	72	609	588	625	314	52	52	52	51
408+10	6004 232ND ST SW, MOUNTLAKE TERRACE	SF	72	298	313	282	427	53	53	53	50
408+30	6003 232ND PL SW, MOUNTLAKE TERRACE	SF	72	254	266	239	376	53	53	53	50
408+50	6006 232ND ST SW, MOUNTLAKE TERRACE	SF	72	236	247	222	355	53	53	53	51
408+70	23300 63RD AVE W, MOUNTLAKE TERRACE	SF	72	590	576	602	338	52	52	52	51
408+90	6102 232ND ST SW, MOUNTLAKE TERRACE	SF	72	164	170	151	271	54	54	55	51
409+10	6003 232ND ST SW, MOUNTLAKE TERRACE	SF	72	429	427	418	485	52	52	52	50
409+50	23212 63RD AVE W, MOUNTLAKE TERRACE	SF	72	570	566	580	361	52	52	52	51
409+60	6007 232ND ST SW, MOUNTLAKE TERRACE	SF	72	349	337	340	390	53	53	53	50
409+80	23108 60TH AVE W, MOUNTLAKE TERRACE	SF	72	468	449	459	485	52	52	52	50
409+90	23207 63RD AVE W, MOUNTLAKE TERRACE	SF	72	404	407	412	266	52	52	52	51

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
410+30	23109 61ST AVE W, MOUNTLAKE TERRACE	SF	72	388	358	381	390	52	53	52	50
410+30	23112 61ST AVE W, MOUNTLAKE TERRACE	SF	72	182	158	175	210	54	54	54	51
410+60	23106 60TH AVE W, MOUNTLAKE TERRACE	SF	72	516	470	510	485	52	52	52	55
410+70	23207 63RD AVE W, MOUNTLAKE TERRACE	SF	72	375	392	380	261	52	53	53	51
411+20	23105 61ST AVE W, MOUNTLAKE TERRACE	SF	72	435	377	432	390	52	53	52	56
411+20	23110 61ST AVE W, MOUNTLAKE TERRACE	SF	72	227	180	224	210	53	54	53	51
411+30	23205 63RD AVE W, MOUNTLAKE TERRACE	SF	72	358	390	359	281	53	53	53	51
411+80	23100 60TH AVE W, MOUNTLAKE TERRACE	SF	72	561	482	559	485	52	52	52	52
412+00	23203 63RD AVE W, MOUNTLAKE TERRACE	SF	72	328	379	324	302	53	53	53	51
412+00	23106 61ST AVE W, MOUNTLAKE TERRACE	SF	72	265	195	268	210	53	54	53	57
412+40	23101 61ST AVE W, MOUNTLAKE TERRACE	SF	72	476	388	480	390	52	53	52	53
412+40	23117 63RD AVE, EDMONDS	SF	72	174	239	167	202	54	53	54	51
413+00	23102 61ST AVE W, MOUNTLAKE TERRACE	SF	72	296	205	306	210	50	54	53	57
413+40	23008 60TH AVE W, MOUNTLAKE TERRACE	SF	72	596	487	606	487	49	52	52	52
413+60	23115 63RD AVE W, MOUNTLAKE TERRACE	SF	72	180	270	160	255	51	53	54	51
413+70	23112 63RD AVE W, MOUNTLAKE TERRACE	SF	72	440	530	417	508	49	52	52	50
414+00	23010 61ST AVE W, MOUNTLAKE TERRACE	SF	72	319	211	339	211	50	53	53	53
414+00	23009 61ST AVE W, MOUNTLAKE TERRACE	SF	72	506	392	523	392	49	52	52	52
414+40	23111 63RD AVE W, MOUNTLAKE TERRACE	SF	72	261	368	230	362	50	53	53	51

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
414+80	23113 63RD AVE W, MOUNTLAKE TERRACE	SF	72	141	256	105	256	51	53	55	53
414+80	23014 63RD PL W, MOUNTLAKE TERRACE	SF	72	141	256	105	256	51	53	55	53
415+00	23109 63RD AVE W, MOUNTLAKE TERRACE	SF	72	325	442	285	442	50	52	55	52
415+00	23008 61ST AVE W, MOUNTLAKE TERRACE	SF	72	336	211	369	211	50	53	53	53
415+50	23107 63RD AVE W, MOUNTLAKE TERRACE	SF	72	383	506	335	506	49	52	55	52
415+60	23007 61ST AVE W, MOUNTLAKE TERRACE	SF	72	524	391	561	391	49	52	52	52
415+80	23105 63RD AVE W, MOUNTLAKE TERRACE	SF	72	442	571	387	571	49	52	55	52
415+80	23103 63RD AVE W, MOUNTLAKE TERRACE	SF	72	442	571	387	571	49	52	55	52
415+80	23101 63RD AVE W, MOUNTLAKE TERRACE	SF	72	442	571	386	571	49	52	55	52
415+90	23012 63RD PL W, MOUNTLAKE TERRACE	SF	72	297	427	242	427	50	52	55	52
416+40	23010 63RD AVE W, MOUNTLAKE TERRACE	SF	72	324	459	262	459	56	52	55	52
416+70	23015 63RD PL W, MOUNTLAKE TERRACE	SF	72	118	253	104	253	59	53	58	53
416+70	23008 63RD AVE W, MOUNTLAKE TERRACE	SF	72	338	474	271	474	56	52	55	52
417+00	23013 63RD PL W, MOUNTLAKE TERRACE	SF	72	117	254	104	254	59	53	58	53
417+30	23011 63RD PL W, MOUNTLAKE TERRACE	SF	72	117	255	149	255	59	53	57	53
417+50	23009 63RD AVE W, MOUNTLAKE TERRACE	SF	72	187	255	99	255	58	53	58	53
417+70	23004 63RD AVE W, MOUNTLAKE TERRACE	SF	72	373	510	288	510	56	52	55	52
418+30	6008 230TH ST SW, MOUNTLAKE TERRACE	SF	72	525	390	590	390	55	52	54	52
418+30	23007 63RD AVE W, MOUNTLAKE TERRACE	SF	72	185	256	99	256	58	53	58	53

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
418+60	23002 63RD AVE W, MOUNTLAKE TERRACE	SF	72	311	445	218	445	56	52	56	52
418+70	6304 230TH ST SW, MOUNTLAKE TERRACE	SF	72	380	514	285	514	56	55	55	55
419+10	6302 230TH ST SW, MOUNTLAKE TERRACE	SF	72	322	454	225	454	56	56	56	56
419+20	23005 63RD AVE W, MOUNTLAKE TERRACE	SF	72	189	257	99	257	58	57	58	57
419+60	6007 230TH ST SW, MOUNTLAKE TERRACE	SF	72	519	389	616	389	55	56	54	56
419+90	23003 63RD AVE W, MOUNTLAKE TERRACE	SF	72	128	257	92	257	59	57	58	57
420+30	6303 230TH ST SW, MOUNTLAKE TERRACE	SF	72	423	551	324	551	56	55	55	55
420+50	22909 61ST AVE W, MOUNTLAKE TERRACE	SF	72	516	388	613	388	55	56	54	56
420+70	23001 63RD AVE W, MOUNTLAKE TERRACE	SF	72	131	258	113	258	59	57	57	57
420+90	6301 230TH ST SW, MOUNTLAKE TERRACE	SF	72	364	490	268	490	56	55	55	55
421+20	22807 64TH PL W, MOUNTLAKE TERRACE	SF	72	518	643	423	643	55	55	54	55
421+30	22905 61ST AVE W, MOUNTLAKE TERRACE	SF	72	512	387	601	387	55	56	55	56
421+40	22909 63RD AVE W, MOUNTLAKE TERRACE	SF	72	134	259	101	259	59	57	58	57
421+40	22906 63RD AVE W, MOUNTLAKE TERRACE	SF	72	376	500	283	500	56	55	55	55
421+90	22805 64TH PL W, MOUNTLAKE TERRACE	SF	72	523	646	435	646	55	55	56	55
422+10	22904 63RD AVE W, MOUNTLAKE TERRACE	SF	72	392	515	307	515	56	55	56	55
422+20	22901 61ST AVE W, MOUNTLAKE TERRACE	SF	72	508	386	587	386	55	56	55	56
422+70	22905 63RD AVE W, MOUNTLAKE TERRACE	SF	72	140	261	152	261	58	57	58	57
423+00	22902 63RD AVE W, MOUNTLAKE TERRACE	SF	72	385	505	309	505	56	55	56	55

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
423+00	22803 64TH PL W, MOUNTLAKE TERRACE	SF	72	530	650	453	650	55	55	56	55
423+10	22809 61ST AVE W, MOUNTLAKE TERRACE	SF	72	504	384	574	384	55	56	55	56
423+40	22903 63RD AVE W, MOUNTLAKE TERRACE	SF	72	203	323	132	323	57	56	59	56
423+70	22901 63RD AVE W, MOUNTLAKE TERRACE	SF	72	288	408	220	408	57	56	57	56
423+80	22801 64TH PL W, MOUNTLAKE TERRACE	SF	72	534	655	466	655	55	55	55	55
424+00	22807 61ST AVE W, MOUNTLAKE TERRACE	SF	72	500	380	560	380	52	54	52	54
424+80	22803 61ST AVE W, MOUNTLAKE TERRACE	SF	72	497	375	547	375	52	54	52	54
425+60	6101 227TH ST SW, MOUNTLAKE TERRACE	SF	72	36	175	DISP	175	71	58	---	58
425+80	UNKNOWN	SF	72	370	494	326	494	54	52	55	52
426+20	22707 61ST AVE W, MOUNTLAKE TERRACE	SF	72	491	365	526	365	52	54	52	54
426+30	6304 227TH ST SW, MOUNTLAKE TERRACE	SF	72	498	623	458	623	52	52	52	52
427+00	22705 61ST AVE W, MOUNTLAKE TERRACE	SF	72	487	358	514	358	52	54	52	54
427+80	22703 61ST AVE W, MOUNTLAKE TERRACE	SF	72	483	349	502	349	52	54	52	54
428+10	6303 227TH ST SW, MOUNTLAKE TERRACE	SF	72	500	634	480	634	52	52	52	52
428+10	6103 227TH ST SW, MOUNTLAKE TERRACE	SF	72	98	169	55	169	62	59	67	59
428+10	6301 227TH ST SW, MOUNTLAKE TERRACE	SF	72	401	536	382	536	53	52	54	52
428+20	22605 63RD PL W, MOUNTLAKE TERRACE	SF	72	321	455	302	455	55	52	56	52
428+30	6201 227TH ST SW, LYNNWOOD	SF	72	152	197	119	197	59	58	61	58
428+30	22611 62ND AVE W, MOUNTLAKE TERRACE	SF	72	127	197	119	197	61	58	61	58

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
428+60	22701 61ST AVE W, MOUNTLAKE TERRACE	SF	72	477	340	491	340	52	55	52	55
429+40	22605 62ND AVE W, MOUNTLAKE TERRACE	SF	72	120	261	116	261	59	57	59	57
429+40	22609 61ST AVE W, MOUNTLAKE TERRACE	SF	72	471	330	479	330	55	56	55	56
429+50	22610 62ND AVE W, MOUNTLAKE TERRACE	SF	72	205	346	197	346	57	56	58	56
430+20	22608 62ND AVE W, MOUNTLAKE TERRACE	SF	72	229	374	225	374	57	56	57	56
430+20	22607 61ST AVE W, MOUNTLAKE TERRACE	SF	72	464	318	467	318	55	56	55	56
430+30	22603 63RD PL W, MOUNTLAKE TERRACE	SF	72	338	483	334	483	56	55	56	55
430+40	22606 62ND AVE W, MOUNTLAKE TERRACE	SF	72	230	376	227	376	57	56	57	56
430+90	22601 63RD PL W, MOUNTLAKE TERRACE	SF	72	345	494	344	494	56	55	56	55
431+00	22604 62ND AVE W, MOUNTLAKE TERRACE	SF	72	237	387	237	387	57	56	57	56
431+00	22605 61ST AVE W, MOUNTLAKE TERRACE	SF	72	456	306	456	306	56	56	56	56
431+20	22603 62ND AVE W, MOUNTLAKE TERRACE	SF	72	124	275	125	275	59	57	59	57
431+60	6204 226TH ST SW, MOUNTLAKE TERRACE	SF	72	352	505	355	505	56	55	56	55
431+70	6202 226TH ST SW, MOUNTLAKE TERRACE	SF	72	244	398	247	398	57	56	57	56
431+80	22603 61ST AVE W, MOUNTLAKE TERRACE	SF	72	448	292	444	292	56	57	56	57
432+10	6004 226TH ST SW, MOUNTLAKE TERRACE	SF	72	448	291	443	291	56	57	56	57
432+30	22601 62ND AVE W, MOUNTLAKE TERRACE	SF	72	128	285	133	285	59	57	59	57
432+60	6005 226TH ST SW, MOUNTLAKE TERRACE	SF	72	393	233	387	233	56	57	56	57
432+90	6201 226TH ST SW, MOUNTLAKE TERRACE	SF	72	345	505	351	505	56	55	56	55

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
433+20	22504 62ND AVE W, MOUNTLAKE TERRACE	SF	72	273	434	280	434	57	56	57	56
433+90	22505 62ND AVE W, MOUNTLAKE TERRACE	SF	72	128	289	135	289	59	57	59	57
433+90	6202 225TH PL SW, MOUNTLAKE TERRACE	SF	72	360	524	368	524	56	55	56	55
434+40	22503 62ND AVE W, MOUNTLAKE TERRACE	SF	72	122	287	130	287	59	57	59	57
434+80	22502 62ND AVE W, MOUNTLAKE TERRACE	SF	72	268	433	275	433	57	56	57	56
435+10	22501 62ND AVE W, MOUNTLAKE TERRACE	SF	72	109	275	116	275	59	57	59	57
435+40	6201 225TH PL SW, MOUNTLAKE TERRACE	SF	72	314	479	320	479	56	55	56	55
435+70	22406 62ND AVE W, MOUNTLAKE TERRACE	SF	72	239	405	245	405	57	56	57	56
435+70	6006 225TH ST SW, MOUNTLAKE TERRACE	SF	72	395	229	389	229	56	57	56	57
435+80	22407 62ND AVE W,	SF	72	121	262	129	262	59	57	59	57
436+40	6204 224TH ST SW, MOUNTLAKE TERRACE	SF	72	332	497	335	497	56	55	56	55
436+50	6202 224TH ST SW, MOUNTLAKE TERRACE	SF	72	255	421	259	421	57	56	57	56
436+70	22405 62ND AVE W,	SF	72	122	247	127	247	59	57	59	57
437+20	22403 62ND AVE W, MOUNTLAKE TERRACE	SF	72	113	237	115	237	59	57	59	57
437+70	22309 62ND AVE W, MOUNTLAKE TERRACE	SF	72	148	229	146	229	58	57	57	57
437+80	6003 225TH ST SW, MOUNTLAKE TERRACE	SF	72	380	217	382	217	56	57	55	57
438+20	22307 62ND AVE W, MOUNTLAKE TERRACE	SF	72	109	220	104	220	59	57	58	57
438+20	6201 224TH ST SW, MOUNTLAKE TERRACE	SF	72	259	422	256	422	57	56	55	56
438+80	6004 224TH ST SW, MOUNTLAKE TERRACE	SF	72	375	214	382	214	56	57	55	57

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
439+00	22305 62ND AVE W, MOUNTLAKE TERRACE	SF	72	63	205	63	205	65	57	64	57
439+10	22302 62ND AVE W, MOUNTLAKE TERRACE	SF	72	189	349	179	349	58	56	56	56
440+00	6202 223RD PL SW, MOUNTLAKE TERRACE	SF	72	154	308	191	308	58	56	56	56
440+20	6204 223RD PL SW, MOUNTLAKE TERRACE	SF	72	259	413	375	413	57	56	55	56
440+40	6003 224TH ST SW, MOUNTLAKE TERRACE	SF	72	353	196	325	196	56	58	55	58
440+70	6201 223RD PL SW, MOUNTLAKE TERRACE	SF	72	241	393	193	393	57	56	58	56
441+00	22306 60TH AVE W, MOUNTLAKE TERRACE	SF	72	347	191	325	191	56	58	55	58
441+00	22206 62ND AVE W,	SF	72	156	309	115	309	58	56	57	56
441+60	22304 60TH AVE W, MOUNTLAKE TERRACE	SF	72	343	187	325	187	56	58	55	58
441+90	22204 62ND AVE W, MOUNTLAKE TERRACE	SF	72	193	347	134	347	58	56	59	56
442+10	22209 62ND AVE W, MOUNTLAKE TERRACE	SF	72	114	210	DISP	210	56	57	---	57
442+20	22302 60TH AVE W, MOUNTLAKE TERRACE	SF	72	340	182	325	182	53	58	55	58
442+50	6208 222ND LN SW, MOUNTLAKE TERRACE	SF	72	360	515	445	515	53	55	50	55
442+70	22202 62ND AVE W, MOUNTLAKE TERRACE	SF	72	228	385	156	385	53	56	52	56
442+70	22210 60TH AVE W, MOUNTLAKE TERRACE	SF	72	338	177	325	177	53	58	56	58
442+70	22208 60TH AVE W, MOUNTLAKE TERRACE	SF	72	338	175	325	175	53	58	56	58
442+90	22207 62ND AVE W, MOUNTLAKE TERRACE	SF	72	72	207	DISP	207	59	57	---	57
443+20	22205 62ND AVE W, MOUNTLAKE TERRACE	SF	72	104	206	DISP	206	55	57	---	57
443+30	6207 222ND LN SW, MOUNTLAKE TERRACE	SF	72	356	516	439	516	53	55	50	55

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
443+30	6204 222ND ST SW, MOUNTLAKE TERRACE	SF	72	305	466	221	466	53	55	51	55
443+40	22206 60TH AVE W, MOUNTLAKE TERRACE	SF	72	340	173	325	173	53	58	51	58
443+90	22203 62ND AVE W,	SF	72	116	204	DISP	204	54	57	---	57
443+90	22204 60TH AVE W, MOUNTLAKE TERRACE	SF	72	345	171	325	171	53	58	51	58
444+50	6202 222ND ST SW, MOUNTLAKE TERRACE	SF	72	210	380	119	380	53	56	54	56
444+50	22202 60TH AVE W, MOUNTLAKE TERRACE	SF	72	350	169	325	169	53	58	51	58
444+80	22201 62ND AVE W, MOUNTLAKE TERRACE	SF	72	103	202	DISP	202	55	58	---	58
445+30	6303 222ND ST SW, MOUNTLAKE TERRACE	SF	72	512	690	417	690	52	55	49	55
445+60	6205 222ND ST SW, MOUNTLAKE TERRACE	SC	75	158	199	52	199	51	55	61	55
446+10	22111 60TH AVE W, MOUNTLAKE TERRACE	SF	72	484	282	375	282	52	57	50	57
446+50	6302 221ST PL SW, MOUNTLAKE TERRACE	SF	72	517	710	417	710	52	55	49	55
446+70	22109 60TH AVE W, MOUNTLAKE TERRACE	SF	72	481	272	375	272	52	57	50	57
447+20	6303 221ST PL SW, MOUNTLAKE TERRACE	SF	72	520	723	417	723	52	55	49	55
447+30	22107 60TH AVE W, MOUNTLAKE TERRACE	SF	72	478	261	375	261	52	57	50	57
447+90	22105 60TH AVE W, MOUNTLAKE TERRACE	SF	72	475	250	375	250	52	57	50	57
448+30	22103 60TH AVE W, MOUNTLAKE TERRACE	SF	72	473	244	375	244	52	57	50	57
448+50	5904 221ST ST SW, MOUNTLAKE TERRACE	SF	72	539	306	375	306	52	56	50	56
448+60	6305 221ST PL SW, MOUNTLAKE TERRACE	SF	72	526	747	417	747	52	55	49	55
448+80	6304 220TH PL SW, MOUNTLAKE TERRACE	SF	72	527	750	417	750	52	55	49	55

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
448+90	6302 220TH PL SW, MOUNTLAKE TERRACE	SF	72	527	751	417	751	52	55	49	55
449+90	5905 221ST ST SW, MOUNTLAKE TERRACE	SF	72	644	393	375	393	52	56	50	56
450+00	6303 220TH PL SW, MOUNTLAKE TERRACE	SF	72	532	771	417	771	52	55	49	55
451+10	5903 221ST ST SW, MOUNTLAKE TERRACE	SF	72	682	415	375	415	52	56	50	56
451+30	6305 220TH PL SW, MOUNTLAKE TERRACE	SF	72	537	793	417	793	52	55	49	55
453+50	5902 219TH ST SW, MOUNTLAKE TERRACE	SF	72	649	340	375	340	52	56	53	56
457+50	5905 219TH ST SW, MOUNTLAKE TERRACE	SF	72	573	256	375	256	47	57	52	57
459+40	5810 218TH PL SW, MOUNTLAKE TERRACE	SF	72	536	236	375	236	52	57	52	57
460+90	5811 218TH PL SW, MOUNTLAKE TERRACE	SF	72	484	215	375	215	52	57	52	57
461+80	5809 218TH PL SW, MOUNTLAKE TERRACE	SF	72	466	222	375	222	52	57	52	57
462+00	6102 ST ALBION WAY, MOUNTLAKE TERRACE	MF	72	114	244	96	244	53	54	54	54
463+20	21726 58TH AVE W, MOUNTLAKE TERRACE	SF	72	487	268	487	268	52	57	52	57
464+40	21712 58TH AVE W, MOUNTLAKE TERRACE	SF	72	468	276	470	276	52	57	52	57
467+80	5912 214TH ST SW, MOUNTLAKE TERRACE	SF	72	215	369	215	369	57	56	57	56
467+90	21620 58TH AVE W, MOUNTLAKE TERRACE	SF	72	417	258	417	258	56	57	56	57
468+40	5910 214TH ST SW, MOUNTLAKE TERRACE	SF	72	146	300	146	300	58	56	57	56
468+70	21503 60TH AVE W, MOUNTLAKE TERRACE	SF	72	146	167	136	167	58	58	57	58
468+80	5908 214TH ST SW, MOUNTLAKE TERRACE	SF	72	138	242	133	242	59	57	57	57
469+00	21530 58TH AVE W, MOUNTLAKE TERRACE	SF	72	357	199	355	199	56	58	55	58

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
469+00	21616 58TH AVE W, MOUNTLAKE TERRACE	SF	72	357	199	356	199	56	58	55	58
469+10	5909 214TH ST SW, MOUNTLAKE TERRACE	SF	72	355	508	356	508	56	55	55	55
469+50	5907 214TH ST SW, MOUNTLAKE TERRACE	SF	72	303	455	305	455	56	56	55	56
469+50	5906 214TH ST SW, MOUNTLAKE TERRACE	SF	72	85	167	90	167	60	58	58	58
469+70	5904 214TH ST SW, MOUNTLAKE TERRACE	SF	72	60	167	65	167	65	58	63	58
469+90	5905 214TH ST SW, MOUNTLAKE TERRACE	SF	72	251	404	254	404	57	56	55	56
470+70	5903 214TH ST SW, MOUNTLAKE TERRACE	SF	72	183	335	188	335	58	56	56	56
470+70	21331 60TH AVE W, MOUNTLAKE TERRACE	SF	72	333	485	337	485	56	55	55	55
471+50	5902 214TH ST SW, MOUNTLAKE TERRACE	SF	72	54	179	59	179	67	58	64	58
471+60	5901 214TH ST SW, MOUNTLAKE TERRACE	SF	72	181	332	186	332	58	56	56	56
471+60	5810 214TH ST SW, MOUNTLAKE TERRACE	SF	72	48	179	53	179	69	58	66	58
471+70	21304 59TH PL W, MOUNTLAKE TERRACE	SF	72	261	411	266	411	57	56	55	56
472+20	21305 59TH PL W, MOUNTLAKE TERRACE	SF	72	256	406	262	406	57	56	55	56
472+30	21528 58TH AVE W, MOUNTLAKE TERRACE	SF	72	347	193	340	193	56	58	55	58
472+50	21307 59TH PL W, MOUNTLAKE TERRACE	SF	72	181	331	188	331	58	56	56	56
472+80	5806 214TH ST SW, MOUNTLAKE TERRACE	SF	72	40	181	47	181	71	58	68	58
473+10	5709 215TH PL SW, MOUNTLAKE TERRACE	SF	72	383	230	375	230	56	57	55	57
473+30	5803 214TH ST SW, MOUNTLAKE TERRACE	SF	72	183	332	191	332	58	56	56	56
473+60	5804 214TH ST SW, MOUNTLAKE TERRACE	SF	72	58	185	68	185	66	58	62	58

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
474+20	5802 214TH ST SW, MOUNTLAKE TERRACE	SF	72	54	191	63	191	67	58	65	58
474+60	21501 58TH AVE W, MOUNTLAKE TERRACE	SF	72	363	212	353	212	56	57	56	57
475+00	5801 214TH ST SW, MOUNTLAKE TERRACE	SF	72	169	315	180	315	58	56	58	56
475+30	21318 58TH AVE W, MOUNTLAKE TERRACE	SF	72	190	336	200	336	58	56	58	56
475+30	21316 58TH AVE W, MOUNTLAKE TERRACE	SF	72	225	371	235	371	57	56	57	56
475+50	21312 58TH AVE W, MOUNTLAKE TERRACE	SF	72	306	452	316	452	56	56	56	56
476+60	5720 213TH ST SW, MOUNTLAKE TERRACE	SF	72	120	270	130	270	59	57	59	57
476+70	21227 58TH AVE W UNIT 1 THRU 5, MOUNTLAKE TERRACE	MF	72	309	459	319	459	56	56	56	56
477+20	21317 58TH AVE W, MOUNTLAKE TERRACE	SF	72	47	186	56	186	69	58	66	58
477+20	5723 213TH ST SW, MOUNTLAKE TERRACE	SF	72	268	418	277	418	57	56	57	56
477+40	5710 213TH ST SW, MOUNTLAKE TERRACE	SF	72	98	206	108	206	59	57	59	57
477+60	5721 213TH ST SW, MOUNTLAKE TERRACE	SF	72	328	478	338	478	56	55	56	55
478+10	5711 213TH ST SW, MOUNTLAKE TERRACE	SF	72	189	339	198	339	58	56	58	56
478+60	5709 213TH ST SW, MOUNTLAKE TERRACE	SF	72	244	394	254	394	57	56	57	56
478+80	5632 213TH ST SW, MOUNTLAKE TERRACE	SF	72	48	185	58	185	72	58	66	58
478+80	5627 213TH ST SW, MOUNTLAKE TERRACE	MF	72	118	268	127	268	59	57	59	57
478+80	21404 56TH AVE W, MOUNTLAKE TERRACE	SF	72	353	204	344	204	56	57	56	57
479+40	5623 213TH ST SW, MOUNTLAKE TERRACE	SF	72	195	345	204	345	58	56	57	56
479+60	5625 213TH ST SW, MOUNTLAKE TERRACE	SF	72	88	204	97	204	60	57	59	57

Table D-2. Projected Vibration for Segment B Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
479+80	5506 214TH PL SW, MOUNTLAKE TERRACE	SF	72	414	265	406	265	56	57	56	57
479+80	5615 213TH ST SW, MOUNTLAKE TERRACE	SF	72	50	185	59	185	68	58	65	58
480+20	5619 213TH ST SW, MOUNTLAKE TERRACE	SF	72	131	281	140	281	59	57	58	57
480+50	5503 214TH PL SW, MOUNTLAKE TERRACE	SF	72	443	293	434	293	56	57	56	57
480+80	5604 212TH ST SW, MOUNTLAKE TERRACE	SF	72	67	189	75	189	64	58	62	58
481+00	5616 212TH ST SW, MOUNTLAKE TERRACE	SF	72	257	407	265	407	57	56	57	56
481+10	5505 214TH ST SW, MOUNTLAKE TERRACE	SF	72	404	254	395	254	56	57	56	57
481+30	5610 212TH ST SW, MOUNTLAKE TERRACE	SF	72	109	258	117	258	59	57	59	57
482+00	5518 212TH ST SW, UNKNOWN	SF	72	56	189	DISP	189	62	58	---	58
482+40	5602 212TH ST SW, MOUNTLAKE TERRACE	SF	72	138	241	145	241	55	57	58	57
483+30	5522 212TH ST SW, MOUNTLAKE TERRACE	SF	72	46	189	DISP	189	65	58	---	58
483+40	5518 212TH ST SW, UNKNOWN	SF	72	108	239	DISP	239	52	52	---	52
483+40	5509 214TH PL SW, MOUNTLAKE TERRACE	MF	72	316	167	309	167	45	50	48	50
483+70	5605 212TH ST SW, LYNNWOOD	SF	72	255	405	263	405	49	49	51	49
484+70	5525 212TH ST SW, LYNNWOOD	SF	72	180	329	187	329	51	50	52	50
486+90	54TH AVE W, LYNNWOOD	PK	75	121	157	127	157	50	51	50	51
489+60	5402 212TH ST SW, MOUNTLAKE TERRACE	MF	72	287	137	280	137	46	49	46	49

Bold Bold numbers in cells indicate potential vibration impact (See main text for summary of number of potential impacts for each segment alternative)
 SF Single-Family Residence
 MF Multifamily Residence
 HT Hotel
 CH Church
 SC School
 DISP Indicates properties that would be displaced by the project

Table D-3. Projected Vibration for Segment C Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
492+30	21031 54TH AVE W, LYNNWOOD	SF	72	47	179	179	179	52	52	52	58	51	51	53	57	57	57
492+60	20928 53RD AVE W, LYNNWOOD	SF	72	114	182	182	182	119	119	119	52	51	51	53	52	52	52
492+80	21019 54TH AVE W, LYNNWOOD	SF	72	99	213	213	214	104	104	104	52	50	50	52	52	52	52
493+20	21011 54TH AVE W, LYNNWOOD	SF	72	174	258	258	261	180	180	180	51	49	49	51	51	51	51
493+50	21007 54TH AVE W, LYNNWOOD	SF	72	158	301	301	308	163	163	163	51	48	48	51	51	51	51
494+10	20927 54TH AVE W, LYNNWOOD	SF	72	229	362	362	379	234	234	234	50	47	47	49	50	50	50
494+80	20932 53RD AVE W, LYNNWOOD	SF	72	73	154	154	182	77	77	77	54	52	52	53	53	53	53
495+10	20926 53RD AVE W, LYNNWOOD	SF	72	172	283	283	322	177	177	177	51	49	49	50	47	47	51
495+60	20922 53RD AVE W, LYNNWOOD	SF	72	203	295	295	353	207	207	208	51	49	49	50	46	46	50
496+00	20914 53RD AVE W, LYNNWOOD	SF	72	251	324	324	400	252	252	255	53	53	53	56	49	49	53
496+40	20929 53RD AVE W, LYNNWOOD	SF	72	50	105	105	178	53	53	53	64	55	55	58	62	62	63
496+40	20908 53RD AVE W, LYNNWOOD	SF	72	298	350	350	447	295	295	302	53	53	53	56	48	48	53
496+70	20925 53RD AVE W, LYNNWOOD	SF	72	90	160	160	237	87	87	94	57	54	54	57	55	55	57
496+70	20902 53RD AVE W, LYNNWOOD	SF	72	345	373	373	494	333	333	349	53	53	53	55	47	47	53
496+80	20924 52ND AVE W, LYNNWOOD	SF	72	59	DISP	DISP	209	DISP	DISP	62	61	---	---	57	---	---	61
497+10	20830 53RD AVE W, LYNNWOOD	SF	72	392	391	391	541	366	366	396	52	53	53	52	46	46	52
497+20	20923 53RD AVE W, LYNNWOOD	SF	72	132	190	190	279	125	125	134	55	54	54	53	53	53	55
497+50	20915 53RD AVE W, LYNNWOOD	SF	72	124	141	141	274	99	99	128	56	54	54	53	54	54	55
497+60	20828 53RD AVE W, LYNNWOOD	SF	72	450	409	409	599	398	398	454	52	52	52	52	46	46	52

Table D-3. Projected Vibration for Segment C Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
497+90	20911 53RD AVE W, LYNNWOOD	SF	72	171	163	163	321	131	131	175	54	54	54	53	53	53	54
498+00	20826 53RD AVE W, LYNNWOOD	SF	72	499	418	418	649	415	415	503	52	52	52	52	45	45	52
498+30	20901 53RD AVE W, LYNNWOOD	SF	72	218	182	182	368	159	159	222	53	54	54	53	52	52	53
498+30	20804 53RD AVE W, LYNNWOOD	SF	72	549	423	423	699	423	423	553	52	52	52	52	52	52	52
498+40	20918 52ND AVE W, LYNNWOOD	MF	72	116	84	84	266	56	56	102	53	53	53	50	57	57	53
498+70	20829 53RD AVE W, LYNNWOOD	SF	72	265	197	197	415	183	183	269	53	54	54	52	51	51	53
499+00	20825 53RD AVE W, LYNNWOOD	SF	72	314	209	209	464	202	202	318	53	53	53	52	50	50	53
499+40	20819 53RD AVE W, LYNNWOOD	SF	72	370	227	227	520	225	225	373	53	53	53	52	50	50	53
499+60	20830 52ND AVE W, LYNNWOOD	CH	75	191	100	100	340	93	93	194	51	52	52	50	51	51	51
499+80	20813 53RD AVE W, LYNNWOOD	SF	72	413	222	222	563	222	222	416	52	53	53	52	53	53	52
499+80	20726 53RD AVE W, LYNNWOOD	SF	72	734	423	423	883	423	423	737	52	52	52	51	52	52	52
500+20	20801 53RD AVE W, LYNNWOOD	SF	72	463	223	223	612	223	223	466	41	50	50	38	50	50	41
500+20	20718 53RD AVE W, LYNNWOOD	SF	72	786	423	423	936	423	423	789	34	43	43	35	43	43	34
500+40	20818 52ND AVE W, LYNNWOOD	SF	72	287	113	113	436	113	113	290	48	54	54	42	53	53	48
500+50	20909 52ND AVE W, LYNNWOOD	SF	72	53	25	25	218	35	35	56	60	75	75	51	67	67	59
500+60	20712 53RD AVE W, LYNNWOOD	SF	72	836	422	422	985	422	422	839	33	43	43	36	43	43	33
500+90	20812 52ND AVE W, LYNNWOOD	SF	72	332	117	117	481	117	117	334	46	54	54	41	54	54	46
501+00	20706 53RD AVE W, LYNNWOOD	SF	72	885	422	422	1035	422	422	888	34	43	43	36	43	43	34
501+30	20806 52ND AVE W, LYNNWOOD	SF	72	377	110	110	527	110	110	380	45	56	56	39	56	56	45

Table D-3. Projected Vibration for Segment C Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
501+40	20628 53RD AVE W, LYNNWOOD	SF	72	935	422	422	1085	422	422	938	35	43	43	36	43	43	35
501+70	5211 208TH ST SW, LYNNWOOD	SF	72	500	107	107	649	107	107	503	40	56	56	37	56	56	40
501+80	20618 53RD AVE W, LYNNWOOD	SF	72	982	422	422	1132	422	422	985	36	43	43	36	43	43	36
501+90	20815 52ND AVE W, LYNNWOOD	CM	72	181	17	17	345	17	17	197	50	82	82	44	82	82	49
502+10	20612 53RD AVE W, LYNNWOOD	SF	72	1029	421	421	1179	421	421	1032	51	52	52	51	52	52	51
502+50	5306 206TH ST SW, LYNNWOOD	SF	72	1077	421	421	1226	421	421	1079	51	52	52	51	52	52	51
503+00	20629 53RD AVE W, LYNNWOOD	SF	72	808	221	221	958	221	221	811	51	53	53	51	53	53	51
503+30	20623 53RD AVE W, LYNNWOOD	SF	72	856	221	221	1005	221	221	858	51	53	53	51	53	53	51
503+50	20706 52ND AVE W, LYNNWOOD	SF	72	651	180	180	801	180	180	653	52	54	54	51	54	54	52
503+50	5303 206TH ST SW, LYNNWOOD	SF	72	1207	421	421	1356	421	421	1209	51	52	52	51	52	52	51
503+70	20609 53RD AVE W, LYNNWOOD	SF	72	903	221	221	1052	221	221	905	51	53	53	51	53	53	51
503+80	20628 52ND AVE W, LYNNWOOD	SF	72	737	124	124	887	124	124	739	52	56	56	51	56	56	52
504+20	20601 53RD AVE W, LYNNWOOD	SF	72	966	221	221	1115	221	221	968	51	53	53	51	53	53	51
504+20	20510 53RD AVE W, LYNNWOOD	SF	72	1290	421	421	1440	421	421	1292	51	52	52	51	52	52	51
504+40	20624 52ND AVE W, LYNNWOOD	SF	72	770	110	110	920	110	110	772	52	56	56	51	56	56	52
504+60	20506 53RD AVE W, LYNNWOOD	SF	72	1338	421	421	1487	421	421	1340	51	52	52	51	52	52	51
504+70	20523 53RD AVE W, LYNNWOOD	SF	72	1112	270	270	1261	270	270	1114	51	53	53	51	53	53	51
504+80	20618 52ND AVE W, LYNNWOOD	SF	72	817	137	137	967	137	137	819	51	55	55	51	55	55	51
505+00	20502 53RD AVE W, LYNNWOOD	SF	72	1385	420	420	1530	420	420	1387	51	52	52	51	52	52	51

Table D-3. Projected Vibration for Segment C Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
505+30	5210 206TH ST SW, LYNNWOOD	SF	72	881	107	107	1030	107	107	883	51	56	56	51	56	56	51
505+30	20428 53RD AVE W, LYNNWOOD	SF	72	1432	420	420	1553	420	420	1434	51	52	52	51	52	52	51
505+70	20424 53RD AVE W UNIT Q, LYNNWOOD	SF	72	1482	420	420	1577	420	420	1483	51	52	52	51	52	52	51
505+80	20517 53RD AVE W, LYNNWOOD	SF	72	1164	220	220	1297	220	220	1165	51	53	53	51	53	53	51
506+30	20511 53RD AVE W, LYNNWOOD	SF	72	1211	220	220	1320	220	220	1212	51	53	53	51	53	53	51
506+30	20416 53RD AVE W, LYNNWOOD	SF	72	1531	420	421	1601	420	421	1533	51	52	52	51	52	52	51
506+90	20505 53RD AVE W, LYNNWOOD	SF	72	1257	220	220	1343	220	220	1259	51	53	53	51	53	53	51
507+60	20412 53RD AVE W, LYNNWOOD	MF	72	1579	420	422	1625	420	422	1582	54	52	52	51	52	52	51
508+30	20429 53RD AVE W, LYNNWOOD	SF	72	1302	220	220	1366	220	220	1307	54	53	53	51	53	53	51
509+70	20504 52ND AVE W, LYNNWOOD	SF	72	1160	112	112	1217	112	112	1173	51	56	56	51	56	56	51
509+80	20425 53RD AVE W,	SF	72	1345	219	219	1390	219	219	1356	51	53	53	51	53	53	51
511+10	20430 52ND AVE W, LYNNWOOD	SF	72	1198	122	122	1239	122	122	1220	51	56	56	51	56	56	50
511+80	20419 53RD AVE W, LYNNWOOD	SF	72	1391	229	230	1423	229	230	1412	51	53	53	51	53	53	51
511+80	20406 53RD AVE W, LYNNWOOD	SF	72	1622	420	423	1649	420	423	1632	51	52	45	48	52	45	51
514+50	20411 53RD AVE W, LYNNWOOD	SF	72	1423	229	232	1448	229	232	1461	51	53	53	48	53	53	50
514+60	20416 52ND AVE W, LYNNWOOD	SF	72	1263	108	108	1288	108	108	1305	51	56	56	48	56	56	51
516+30	20410 52ND AVE W, LYNNWOOD	SF	72	1287	114	114	1313	114	114	1333	51	54	56	48	54	56	51
516+50	20403 53RD AVE W, LYNNWOOD	SF	72	1447	229	233	1474	229	233	1493	51	53	49	48	53	49	51
517+10	20406 52ND AVE W, LYNNWOOD	SF	72	1309	106	113	1340	106	113	1360	51	55	53	48	55	53	51
517+20	5309 204TH ST SW, LYNNWOOD	SF	72	1663	418	434	1694	418	434	1713	51	52	45	48	52	45	51

Table D-3. Projected Vibration for Segment C Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
517+90	20318 53RD AVE W, LYNNWOOD	SF	72	1688	425	451	1726	425	451	1741	51	52	45	48	52	45	48
518+00	5215 204TH ST SW, LYNNWOOD	SF	72	1427	169	190	1464	169	190	1483	51	54	51	48	54	51	48
518+30	5207 204TH ST SW, LYNNWOOD	SF	72	1351	113	140	1393	113	140	1411	51	54	52	48	54	52	48
518+40	5225 204TH ST SW, LYNNWOOD	SF	72	1526	256	281	1563	256	281	1578	51	53	48	48	53	48	48
518+90	20310 53RD AVE W, LYNNWOOD	SF	72	1736	452	488	1780	452	488	1799	51	52	47	48	52	47	48
519+10	20317 53RD AVE W, LYNNWOOD	SF	72	1526	241	278	1568	241	278	1587	51	53	48	48	53	48	48
519+20	20304 53RD AVE W, LYNNWOOD	SF	72	1708	421	461	1760	421	461	1777	51	52	47	48	52	47	48
519+30	20316 52ND AVE W, LYNNWOOD	SF	72	1387	103	139	1444	103	139	1460	51	55	52	48	55	52	48
519+50	20309 53RD AVE W, LYNNWOOD	SF	72	1538	248	291	1597	248	291	1613	51	53	48	48	53	48	48
519+90	20306 52ND AVE W, LYNNWOOD	SF	72	1411	116	167	1481	116	167	1490	51	54	51	48	54	51	48
520+40	20302 52ND AVE W, LYNNWOOD	SF	72	1435	133	193	1519	133	193	1526	51	54	51	48	54	51	48
520+50	20303 53RD AVE W, LYNNWOOD	SF	72	1585	282	345	1670	282	345	1678	51	53	47	48	53	47	48
520+70	20218 52ND AVE W, LYNNWOOD	SF	72	1459	154	228	1553	154	228	1564	51	54	50	48	54	50	48
520+80	20210 52ND AVE W, LYNNWOOD	SF	72	1466	160	239	1564	160	239	1575	51	54	49	48	54	49	48
520+80	20212 52ND AVE W, LYNNWOOD	SF	72	1463	157	234	1559	157	234	1570	51	54	49	48	54	49	48
520+90	20220 52ND AVE W, LYNNWOOD	SF	72	1470	163	245	1570	163	245	1581	51	54	49	48	54	49	48
522+10	5214 201ST PL SW, LYNNWOOD	SF	72	1662	358	484	1808	358	484	1813	51	53	47	48	53	47	48
522+10	5208 201ST PL SW, LYNNWOOD	SF	72	1590	288	425	1746	288	425	1750	51	53	45	48	53	45	48
522+70	5217 201ST PL SW, LYNNWOOD	SF	72	1751	459	620	1933	459	620	1935	51	52	47	48	52	47	48

Table D-3. Projected Vibration for Segment C Without Mitigation

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Distance							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
522+80	5201 201ST PL SW, LYNNWOOD	SF	72	1681	392	562	1874	392	562	1874	51	52	47	48	52	47	48
526+70	20104 48th AVE W, LYNNWOOD	MF	72	486	218	61	837	218	61	829	49	47	57	45	47	57	45
528+40	4920 200TH ST SW UNIT A101, LYNNWOOD	MF	72	715	DISP	352	1078	DISP	352	1071	49	---	50	45	---	50	45
530+60	4807 200TH ST SW, LYNNWOOD	MF	72	1010	114	723	1379	114	723	1372	45	49	49	45	49	49	45
536+00	4727 200TH ST SW, LYNNWOOD	MF	72	535	93	726	917	93	726	912	49	52	46	45	52	46	45
541+80	4220 200TH ST SW, LYNNWOOD	HT	72	251	472	450	98	472	450	98	46	49	49	55	49	49	55

Bold Bold numbers in cells indicate potential vibration impact (See main text for summary of number of potential impacts for each segment alternative)

- SF Single-Family Residence
- MF Multifamily Residence
- HT Hotel
- CH Church
- SC School
- CM Commercial Property
- DISP Indicates properties that would be displaced by the project

Table D-4. Projected Vibration for Segment A With Mitigation (Impacted Receivers Only)

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Mitigation Measure							Projected Maximum 1/3 OB Level (VdB)						
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11
36+20	136 NE 115TH ST, Seattle	SF	72	TDA	-	-	TDA	-	TDA	-	63	-	-	63	-	63	-
36+40	147 NE 116TH ST, Seattle	MF	72	TDA	-	-	TDA	-	TDA	-	65	-	-	65	-	65	-
43+10	11708 3RD AVE NE, Seattle	SF	72	DISP	-	-	TDA	-	TDA	-	-	-	-	63	-	63	-
43+30	11710 3RD AVE NE, Seattle	SF	72	TDA	DISP	HCF	DISP	HCF	DISP	HCF	67	-	67	-	67	-	67
48+50	327 NE 120TH ST, Seattle	SF	72	DISP	TDA	-	TDA	-	TDA	-	-	60	-	60	-	60	-
50+60	338 NE 120TH ST, Seattle	SF	72	TDA	-	-	-	-	-	-	59	-	-	-	-	-	-
52+40	12027 5TH AVE NE, Seattle	SF	72	TDA	-	-	-	-	-	-	60	-	-	-	-	-	-
53+50	12045 5TH AVE NE, Seattle	SF	72	TDA	-	-	-	-	-	-	63	-	-	-	-	-	-
54+30	12049 5TH AVE NE, Seattle	SF	72	TDA	-	-	-	-	-	-	60	-	-	-	-	-	-
125+00	324 NE 148TH ST, Shoreline	SF	72	DISP	-	None ^a	TDA	TDA	-	None ^a	-	-	72	70	70	-	72
126+50	309 NE 149TH ST, Shoreline	SF	72	DISP	-	-	FST	FST	-	-	-	-	-	69	69	-	-
130+20	301 NE 151ST ST, Shoreline	SF	72	TDA + SFC	DISP	DISP	DISP	DISP	DISP	DISP	72^b	-	-	-	-	-	-
146+50	106 NE 155TH ST, Shoreline	SF	72	TDA	-	-	DISP	DISP	-	-	58	-	-	-	-	-	-
165+20	121 NE 163RD ST, Shoreline	SF	72	DISP	TDA	TDA	TDA	TDA	TDA	TDA	-	66	66	66	66	66	66
172+30	126 NE 165TH ST, Shoreline	SF	72	TDA	-	-	-	-	-	-	67	-	-	-	-	-	-
173+20	124 NE 165TH PL, Shoreline	SF	72	TDA	-	-	-	-	-	-	67	-	-	-	-	-	-
174+60	119 NE 166TH ST, Shoreline	SF	72	TDA	-	-	-	-	-	-	67	-	-	-	-	-	-
179+80	114 NE 167TH ST, Shoreline	SF	72	DISP	TDA	TDA	TDA	TDA	TDA	TDA	-	68	68	68	68	68	68
182+90	16735 2ND AVE NE, Shoreline	SF	72	TDA	-	-	-	-	-	-	67	-	-	-	-	-	-
183+00	16741 2ND AVE NE, Shoreline	SF	72	TDA	-	-	-	-	-	-	67	-	-	-	-	-	-
185+30	119 NE 170TH ST, Shoreline	SF	72	TDA	-	-	-	-	-	-	67	-	-	-	-	-	-
203+20	17737 2ND PL NE, Shoreline	SF	72	HCF	DISP	DISP	DISP	DISP	DISP	DISP	67	-	-	-	-	-	-
209+00	17809 3RD AVE NE, Shoreline	SF	72	TDA	-	-	-	-	-	-	61	-	-	-	-	-	-
210+00	17815 3RD AVE NE, Shoreline	SF	72	DISP	TDA	HCF	TDA	HCF	TDA	HCF	-	65	67	65	67	65	67
210+00	17821 3RD AVE NE, Shoreline	SF	72	TDA	TDA	SFC	TDA	SFC	TDA	SFC	65	63	70	63	70	63	70
213+40	331 NE 180TH ST, Shoreline	SF	72	TDA	TDA	SFC	TDA	SFC	TDA	SFC	63	66	68	66	68	66	68
216+30	338 NE 180TH ST, Shoreline	SF	72	TDA	-	-	-	-	-	-	60	-	-	-	-	-	-

Table D-4. Projected Vibration for Segment A With Mitigation (Impacted Receivers Only)

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Mitigation Measure								Projected Maximum 1/3 OB Level (VdB)							
				PA	A1	A3	A5	A7	A10	A11	PA	A1	A3	A5	A7	A10	A11		
217+30	18019 5TH AVE NE, Shoreline	SF	72	TDA	TDA	SFC	TDA	SFC	TDA	SFC	64	61	69	61	69	61	69		
218+40	18027 5TH AVE NE, Shoreline	SF	72	TDA	-	-	-	-	-	-	60	-	-	-	-	-	-		
218+90	18031 5TH AVE NE, Shoreline	SF	72	TDA	TDA	-	TDA	-	TDA	-	66	63	-	63	-	63	-		
238+70	715 NE 189TH ST, Shoreline	SF	72	TDA	DISP	DISP	DISP	DISP	DISP	DISP	59	-	-	-	-	-	-		
239+20	718 NE 189TH ST, Shoreline	SF	72	TDA	DISP	DISP	TDA	DISP	TDA	DISP	64	-	-	63	-	63	-		
240+60	18915 8TH AVE NE, Shoreline	SF	72	TDA	DISP	DISP	TDA	DISP	TDA	DISP	61	-	-	61	-	61	-		
241+20	18921 8TH AVE NE, Shoreline	SF	72	-	TDA	-	-	-	-	-	-	60	-	-	-	-	-		

Bold Bold red numbers in cells indicate potential vibration impact after mitigation
 SF Single-Family Residence
 MF Multifamily Residence
 TDA Tire-Derived Aggregate Track Underlayment
 SFC Spring Frog Crossover
 FST Floating Slab Track
 HCF High Compliance Fasteners (on Elevated Structure)
^aStandard vibration mitigation not effective at this receiver (see text for explanation)
^bFST combined with a Spring Frog Crossover would mitigate impact at this receiver (see text for explanation)

Table D-5. Projected Vibration for Segment B With Mitigation (Impacted Receivers Only)

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Mitigation Measure				Projected Maximum 1/3 OB Level (VdB)			
				PA	B1	B2A	B4	PA	B1	B2A	B4
259+30	19705 10TH AVE NE, Shoreline	SF	72	SFC	-	-	-	71	-	-	-
259+80	19715 10TH AVE NE, Shoreline	SF	72	SFC	-	-	-	69	-	-	-
478+80	5632 213TH ST SW, MOUNTLAKE TERRACE	SF	72	SFC	-	-	-	69	-	-	-

SF Single-Family Residence

SFC Spring Frog Crossover

Table D-6. Projected Vibration for Segment C With Mitigation (Impacted Receivers Only)

Civil Station (PA)	Address	Rec. Type	FTA Crit. (VdB)	Mitigation Measure							Projected Maximum 1/3 OB Level (VdB)						
				PA	C1M	C2M	C3M	C1W	C2W	C3W	PA	C1M	C2M	C3M	C1W	C2W	C3W
500+50	20909 52ND AVE W, LYNNWOOD	SF	72	-	HCF	HCF	-	-	-	-	-	70	70	-	-	-	-
501+90	20815 52ND AVE W, LYNNWOOD	CM	72	-	HCF	HCF	-	HCF	HCF	-	-	79	79	-	79	79	-

Bold Bold red numbers in cells indicate potential vibration impact after mitigation

SF Single-Family Residence

CM Commercial Property

HCF High Compliance Fasteners (on Elevated Structure)

ATTACHMENT E

Vibration Propagation Data

ATTACHMENT E

Vibration Propagation Data

The pages within this Attachment contain tables of the regression coefficients for each 1/3-octave band as calculated from the transfer mobility data measured at each vibration propagation test site. Plots of the Line Source Responses calculated at multiple distances for a two-car Sound Transit train (380 feet long) are also included.

Table E-1. SVT-01 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	-23.4	8.5	75.2	109.9	74.8	198.1	160.5	175.4	234.2	98.1	114.6	82.4	-31.2	-43.8	27.2	118.9	61.5	-100.5
A₁	13.3	-24.1	-118.2	-186.6	-117.6	-313.5	-256.1	-283.3	-379.6	-152.3	-166.0	-72.8	127.1	178.8	46.8	-110.8	-30.6	249.3
A₂	-3.9	9.0	52.7	95.5	55.7	159.2	134.0	152.8	207.0	90.0	95.3	31.3	-76.7	-118.9	-46.8	34.5	-3.8	-155.4
A₃	0.2	-1.3	-7.8	-16.3	-9.1	-26.5	-23.3	-27.4	-37.8	-18.9	-19.8	-7.0	11.4	20.4	7.8	-5.6	0.7	27.0

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

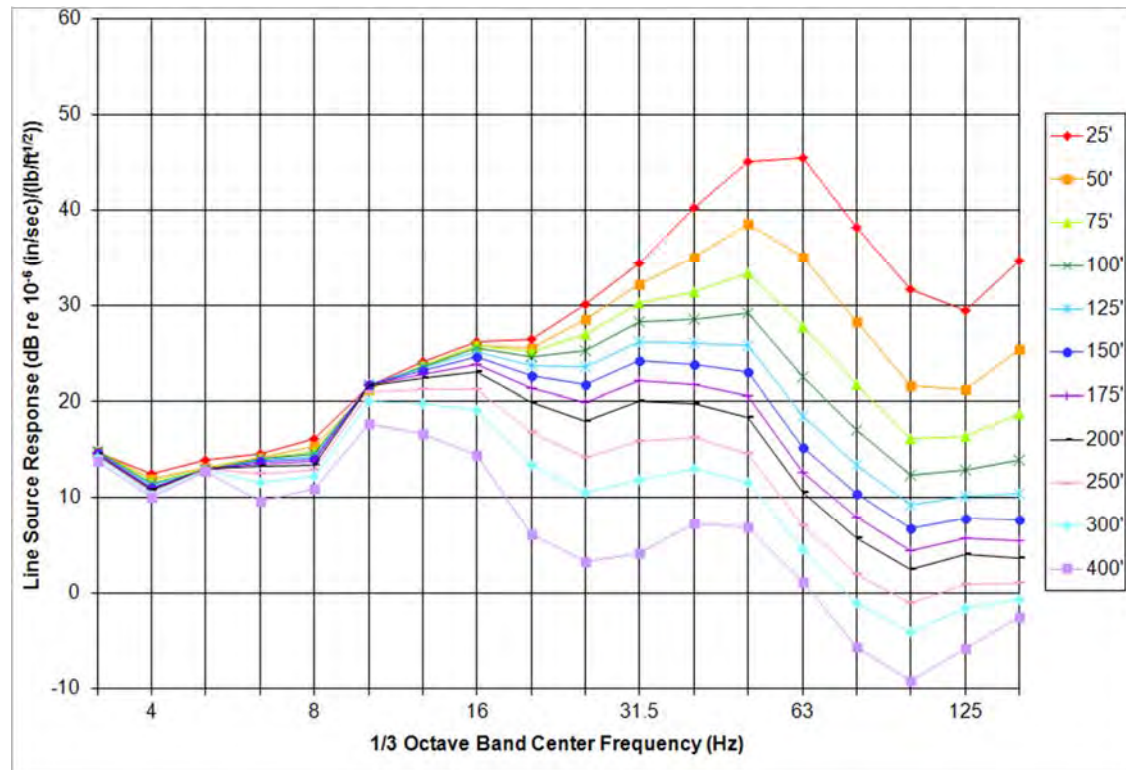


Exhibit E-1. Line Source Responses for Site SVT-01

Table E-2. SVT-02 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	38.4	28.2	44.6	24.8	20.3	13.4	10.3	-2.1	-5.4	-10.6	-5.8	-82.4	-126.2	-134.2	-80.9	-90.9	-186.5	-215.8
A₁	-55.4	-36.0	-74.2	-36.7	-24.6	-13.6	-11.9	12.5	15.7	24.5	4.1	159.9	257.3	276.1	163.2	183.1	389.4	451.8
A₂	11.8	-0.7	25.7	6.3	-1.6	-4.9	-1.3	-13.6	-11.3	-11.9	13.8	-76.1	-139.8	-153.2	-83.9	-99.1	-231.8	-270.6
A₃	0.0	2.4	-3.1	0.0	1.6	1.9	0.5	2.4	1.3	0.9	-6.5	9.1	21.4	24.0	10.6	13.8	39.9	47.4

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

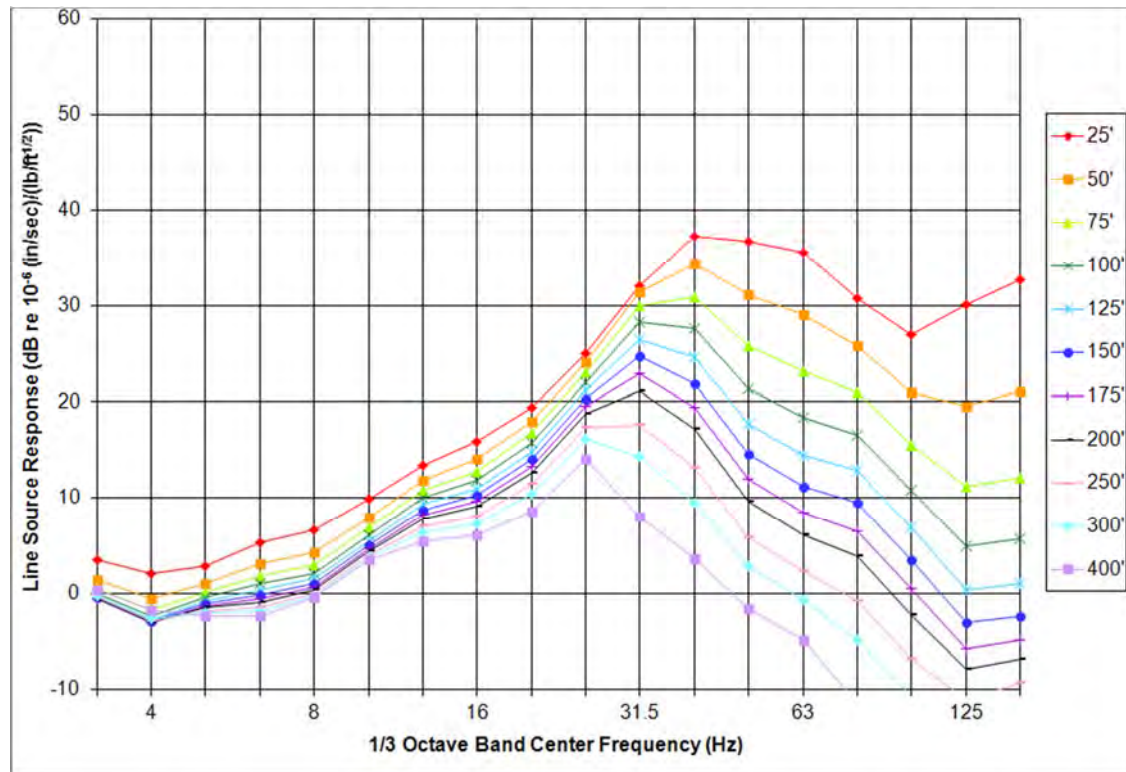


Exhibit E-2. Line Source Responses for Site SVT-02

Table E-3. SVT-03 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	-30.3	10.4	-5.2	-25.4	-22.7	-54.9	-17.2	21.2	47.5	6.3	-74.0	-235.8	-176.8	-78.0	-6.0	24.8	-17.6	22.3
A₁	36.6	-16.4	22.3	32.7	32.1	88.2	26.4	-34.1	-77.1	-8.8	123.9	411.8	328.6	193.9	105.8	61.6	116.2	77.8
A₂	-20.6	1.0	-24.3	-18.2	-20.4	-49.2	-16.7	14.5	40.1	9.6	-52.7	-210.8	-170.4	-111.5	-82.8	-66.4	-90.9	-85.1
A₃	3.4	0.5	5.5	2.7	3.4	8.3	2.8	-2.8	-8.0	-4.1	4.6	32.1	25.5	16.9	14.4	13.0	16.6	18.1

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

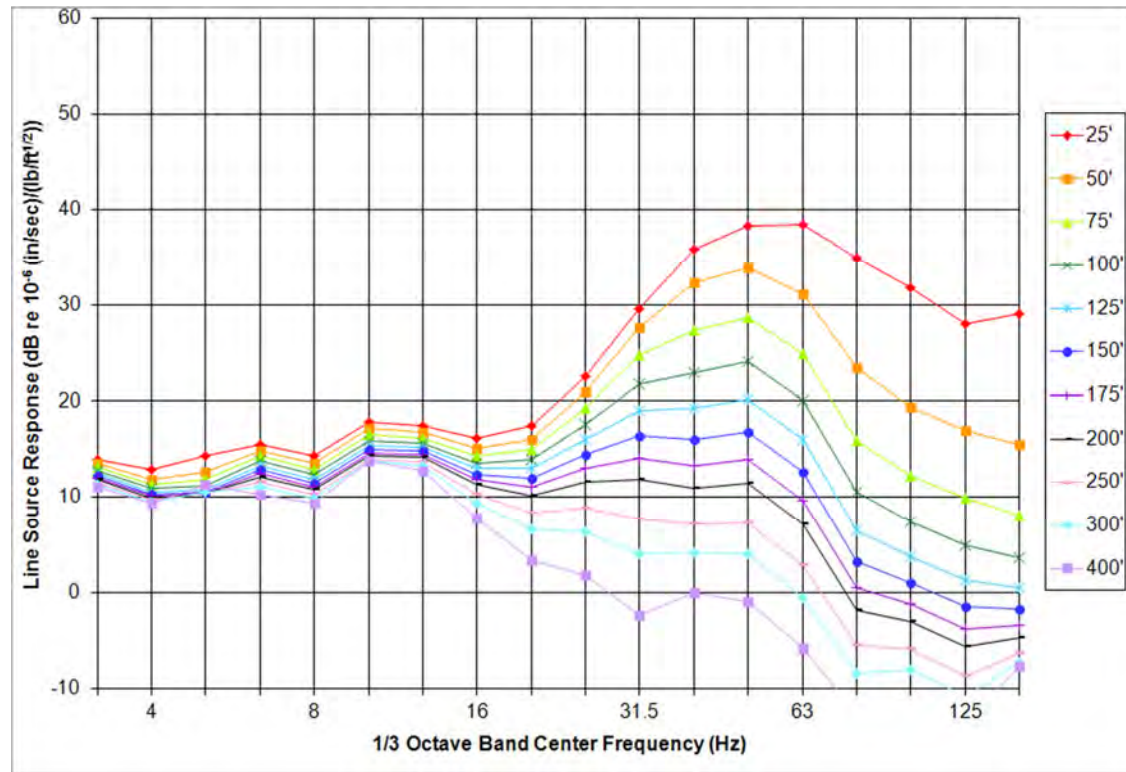


Exhibit E-3. Line Source Responses for Site SVT-03

Table E-4. SVT-04 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A ₀	105.5	-30.9	86.6	1.6	-37.3	42.1	76.7	39.9	125.7	146.0	193.9	213.3	124.4	31.2	-69.3	-141.7	-231.7	-175.7
A ₁	-184.0	49.5	-130.9	10.6	66.0	-61.3	-115.8	-54.0	-188.3	-216.9	-295.0	-309.3	-156.4	33.2	202.5	296.9	441.4	378.7
A ₂	92.1	-35.8	54.8	-22.5	-44.3	25.3	54.4	21.6	91.4	107.8	154.0	158.7	80.0	-33.6	-125.1	-166.5	-241.2	-222.2
A ₃	-15.1	7.2	-7.9	5.8	8.2	-4.1	-9.1	-3.6	-15.6	-18.8	-27.9	-28.7	-16.2	4.8	20.5	26.3	38.6	37.9

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

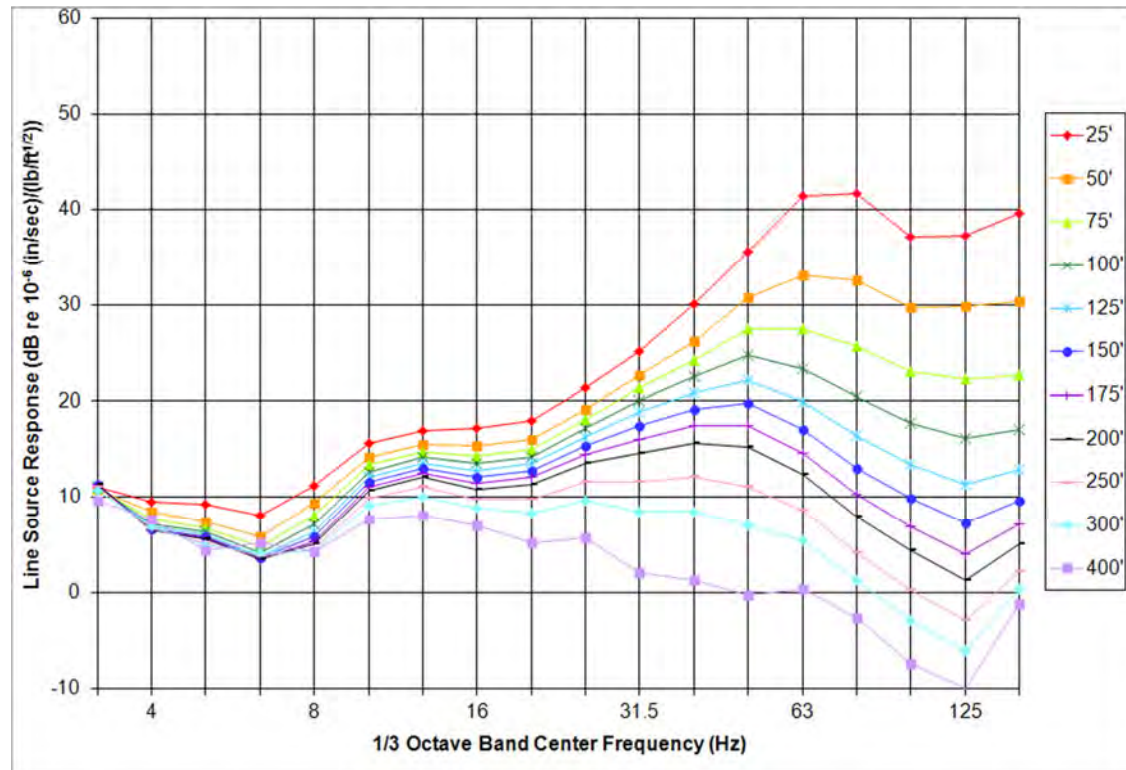


Exhibit E-4. Line Source Responses for Site SVT-04

Table E-5. SVT-05 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A ₀	-124.1	69.3	-36.6	6.0	16.8	82.5	77.0	124.8	58.7	-125.0	-283.4	-263.2	-191.1	-95.7	111.0	94.7	75.3	116.0
A ₁	188.9	-109.2	92.3	-5.6	-11.0	-112.1	-76.0	-152.8	-52.2	251.0	534.0	519.5	414.0	232.4	-118.2	-91.5	-90.9	-170.0
A ₂	-99.1	47.7	-67.6	-2.8	-2.7	51.1	25.5	74.2	35.8	-117.4	-279.4	-287.8	-248.1	-144.0	41.3	20.9	29.2	76.8
A ₃	16.3	-7.0	13.8	0.8	0.9	-8.3	-3.2	-13.2	-9.8	14.0	43.3	47.5	43.6	24.8	-6.8	-2.0	-4.2	-13.0

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

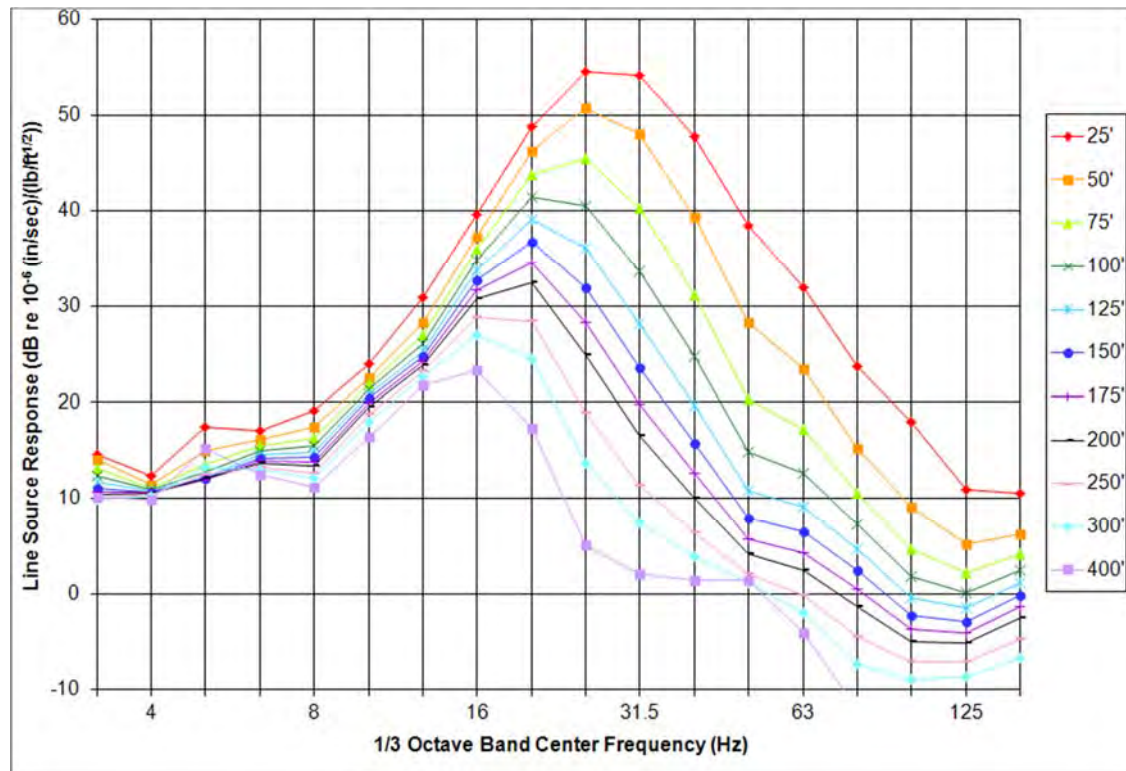


Exhibit E-5. Line Source Responses for Site SVT-05

Table E-6. SVT-06 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	39.5	3.6	74.4	44.8	81.0	102.7	132.9	157.9	136.3	59.4	147.4	129.5	88.3	85.5	120.6	199.2	221.7	89.6
A₁	-69.6	-5.3	-114.2	-57.2	-109.0	-145.7	-192.8	-234.9	-201.8	-63.0	-207.9	-164.5	-82.6	-72.1	-122.2	-272.4	-323.4	-104.1
A₂	28.9	-6.1	50.8	16.8	42.6	64.8	93.4	122.6	112.2	36.4	117.4	90.3	40.5	30.6	49.6	136.3	170.7	54.8
A₃	-4.1	2.0	-8.0	-1.7	-5.7	-9.9	-15.6	-21.9	-21.6	-8.5	-23.5	-18.6	-9.4	-7.2	-9.2	-25.2	-32.5	-12.9

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

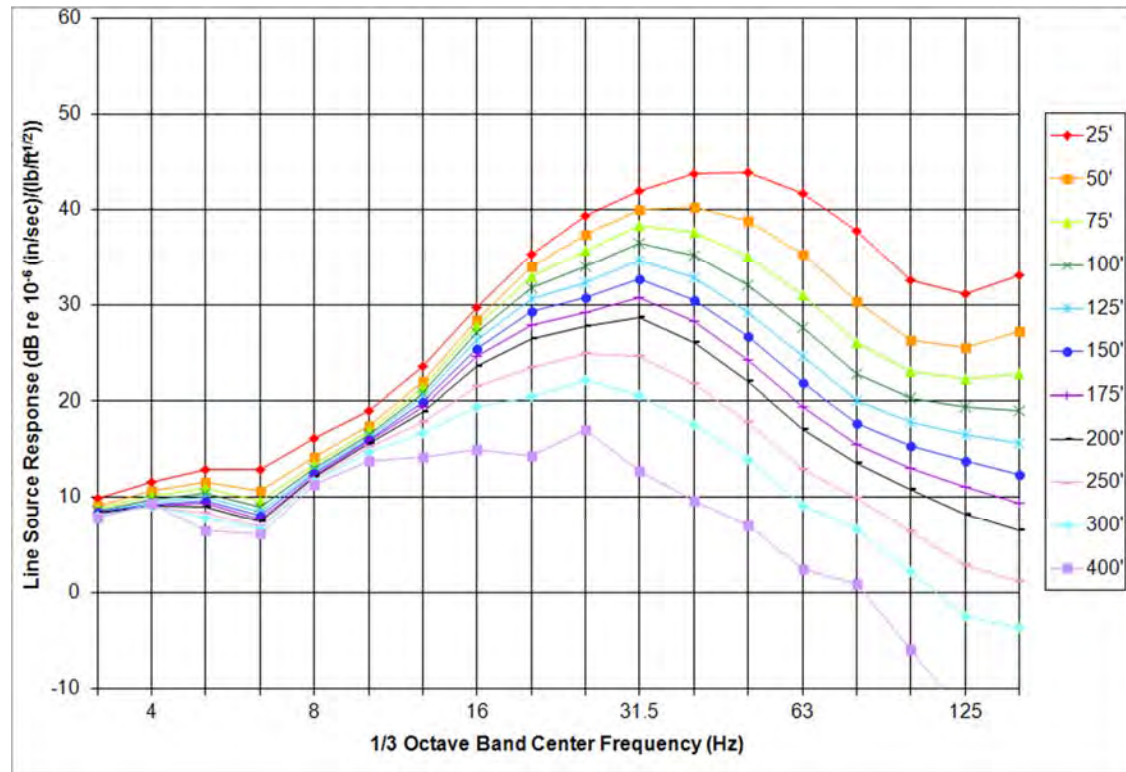


Exhibit E-6. Line Source Responses for Site SVT-06

Table E-7. SVT-07 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	122.8	145.5	136.3	102.9	117.1	198.0	222.1	226.2	191.0	114.0	57.2	-72.6	25.7	62.1	145.5	127.3	137.9	165.1
A₁	-194.9	-237.0	-218.1	-151.2	-170.5	-301.5	-310.2	-248.3	-179.3	-94.9	-29.1	179.7	4.4	-44.8	-153.4	-120.9	-138.4	-168.1
A₂	87.4	115.6	104.4	65.2	76.9	147.6	140.2	86.8	51.0	30.8	12.4	-98.5	-7.0	7.2	45.2	23.2	28.9	37.0
A₃	-13.1	-18.9	-17.0	-9.9	-12.1	-24.4	-21.6	-10.1	-4.6	-5.4	-5.3	13.8	-1.1	-1.5	-4.8	0.0	0.0	0.0

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

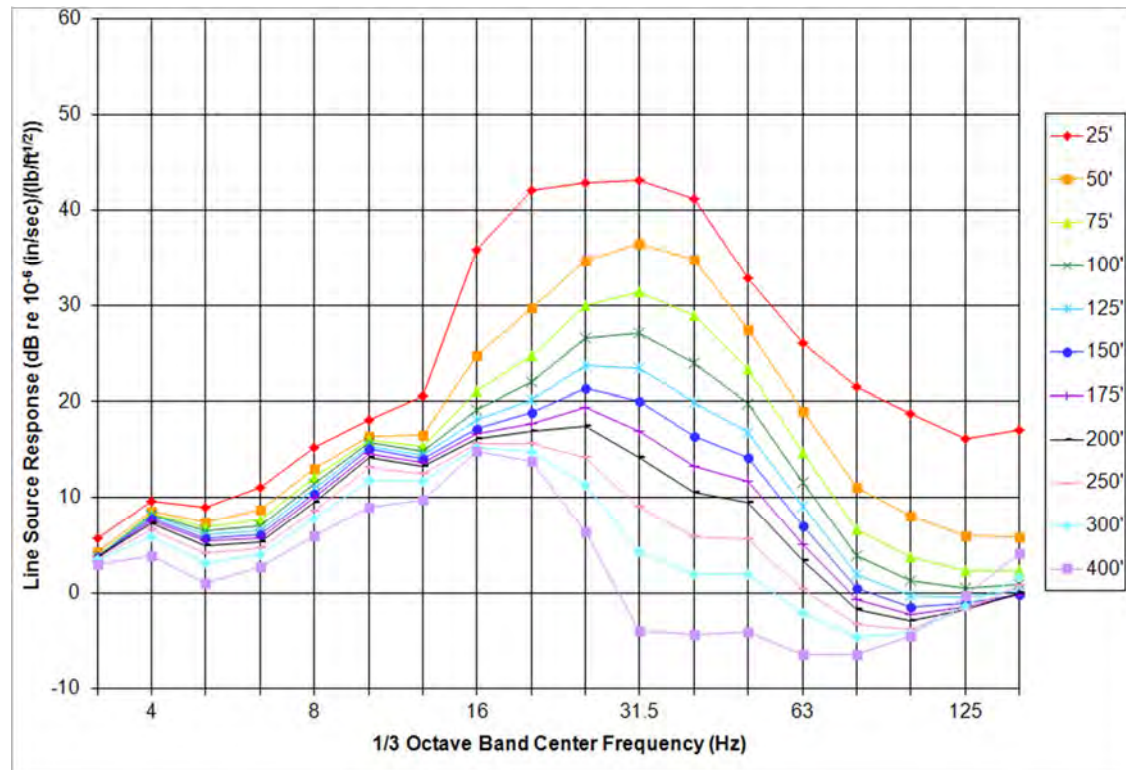


Exhibit E-7. Line Source Responses for Site SVT-07

Table E-8. SVT-08 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	12.0	-31.3	-15.0	-50.4	-39.5	-24.3	-41.0	131.8	282.3	285.7	229.8	176.8	230.0	77.0	-33.6	9.2	51.7	43.6
A₁	-40.9	39.7	30.3	95.4	88.9	71.2	95.8	-197.6	-448.0	-448.7	-341.5	-237.5	-309.4	-43.3	159.4	104.3	33.0	39.6
A₂	14.8	-31.3	-33.0	-68.6	-68.8	-58.5	-65.2	97.7	235.0	238.5	183.3	127.0	159.5	10.5	-111.0	-94.6	-60.2	-65.7
A₃	-1.9	6.2	7.3	13.4	14.1	12.0	12.1	-16.9	-41.3	-42.8	-34.5	-25.3	-30.4	-4.1	18.7	18.1	13.1	15.0

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

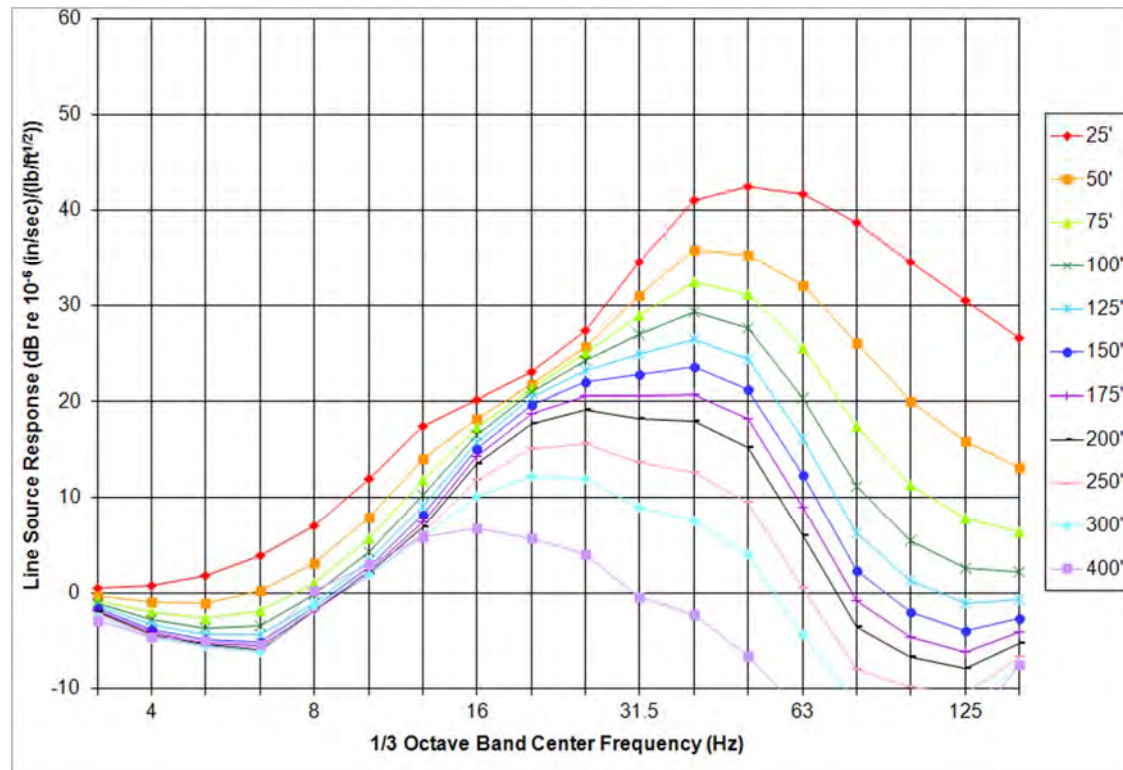


Exhibit E-8. Line Source Responses for Site SVT-08

Table E-9. SVT-09 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	332.7	174.9	106.1	93.2	-28.8	19.8	-69.5	-7.2	-15.8	35.3	93.7	41.6	31.7	-26.5	-121.4	-176.2	0.7	86.9
A₁	-521.3	-274.2	-160.0	-161.7	39.1	-34.4	117.7	12.4	30.3	-49.8	-140.6	-40.8	-27.2	79.2	250.1	326.9	73.0	-50.3
A₂	257.9	131.0	68.8	82.6	-26.6	9.4	-71.8	-12.3	-19.4	22.0	69.6	11.3	12.9	-41.2	-131.9	-161.5	-46.4	6.5
A₃	-42.6	-21.0	-9.7	-14.2	5.1	-0.5	13.2	2.3	3.4	-3.9	-12.2	-1.6	-4.1	4.6	19.5	22.0	5.4	-1.5

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

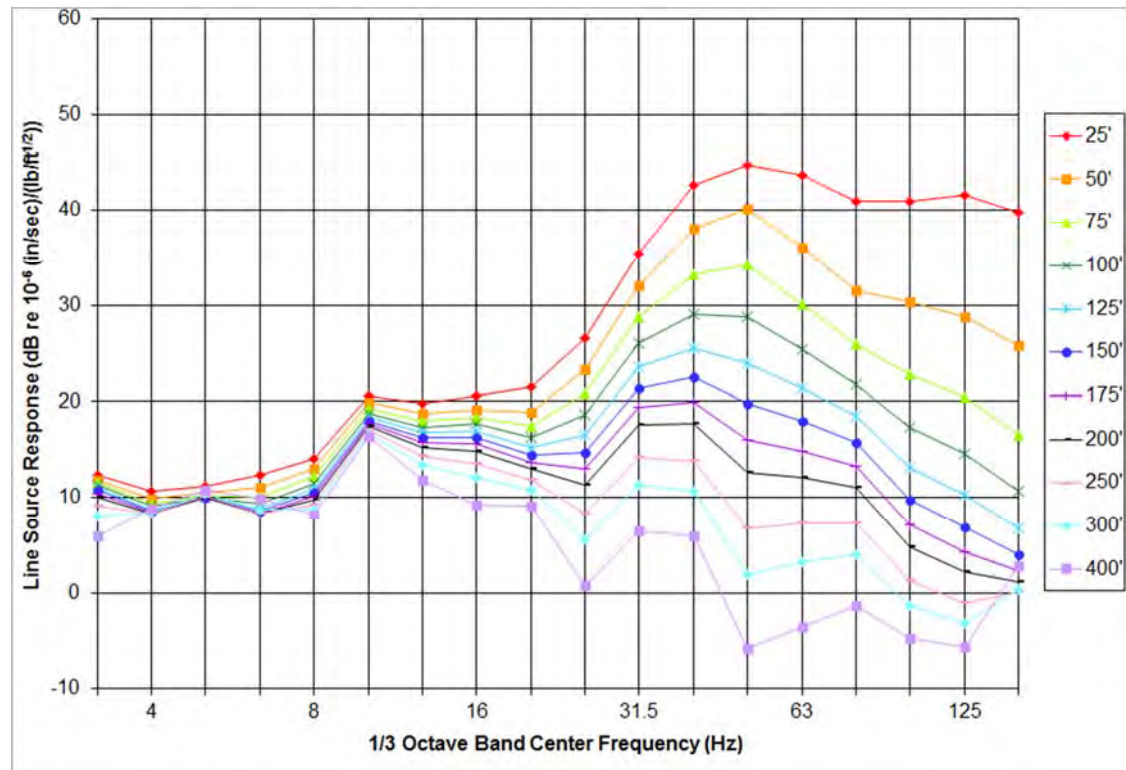


Exhibit E-9. Line Source Responses for Site SVT-09

Table E-10. SVT-10 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	374.5	204.4	2.6	-6.8	-22.8	-119.0	-32.4	89.7	149.2	113.9	102.9	-61.5	-151.7	-204.5	-366.2	-477.6	-385.6	-217.0
A₁	-557.1	-314.9	19.1	5.3	21.4	177.9	47.7	-140.2	-227.2	-140.8	-103.2	169.9	314.6	414.8	691.0	875.8	754.5	467.6
A₂	262.4	151.0	-19.4	-1.2	-7.4	-87.0	-22.3	69.9	115.6	66.6	46.6	-94.9	-167.3	-227.1	-381.0	-488.7	-442.7	-291.5
A₃	-41.1	-24.3	3.8	-0.4	0.4	13.2	2.6	-12.0	-20.0	-11.8	-9.1	14.0	25.2	36.2	63.7	84.2	79.2	53.4

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

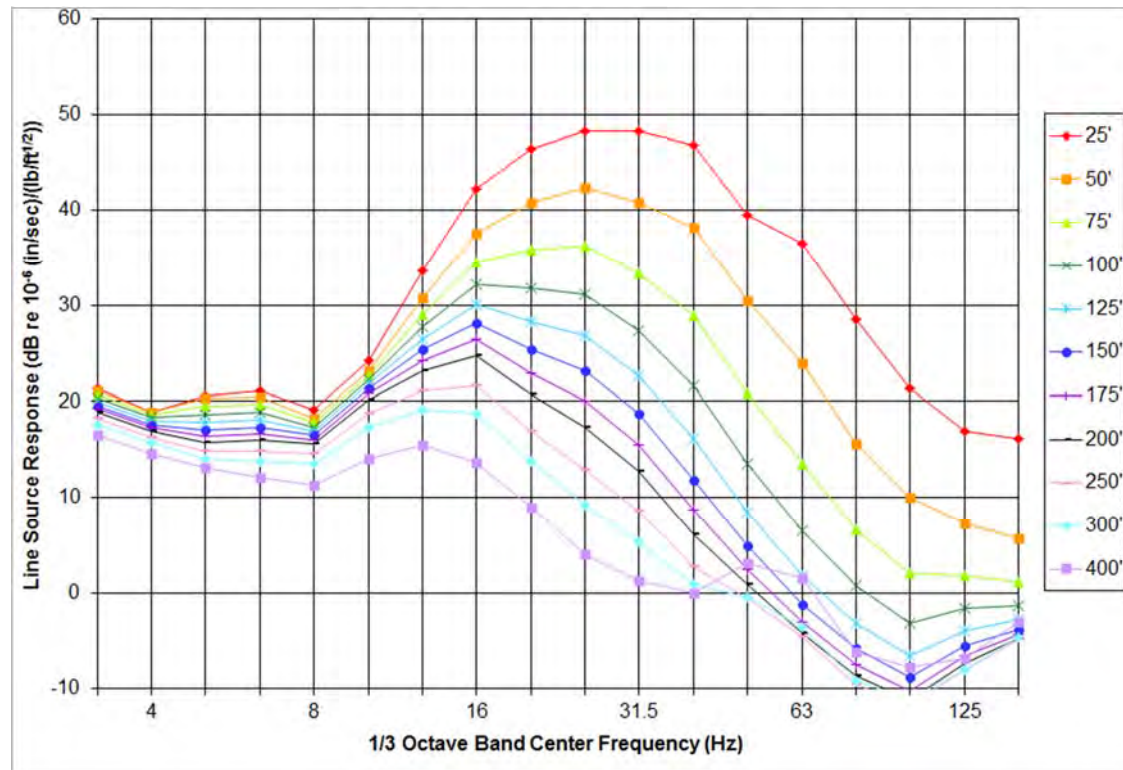


Exhibit E-10. Line Source Responses for Site SVT-10

Table E-11. SVT-11 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	289.2	276.8	203.8	141.2	40.5	34.5	71.8	62.2	92.5	76.8	96.5	121.5	272.6	149.3	75.8	55.0	-48.3	30.6
A₁	-442.4	-432.8	-326.5	-238.0	-66.0	-50.3	-100.2	-71.5	-124.5	-90.6	-115.7	-161.7	-404.0	-187.7	-40.5	-13.3	167.3	25.0
A₂	207.0	208.5	159.4	120.6	27.1	18.1	40.3	21.8	54.5	36.6	49.1	81.6	211.2	97.0	10.7	2.4	-101.9	-25.9
A₃	-31.9	-33.0	-25.5	-20.2	-3.9	-2.4	-5.6	-2.1	-8.2	-5.3	-7.5	-14.7	-37.3	-18.6	-3.1	-3.2	16.1	3.1

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

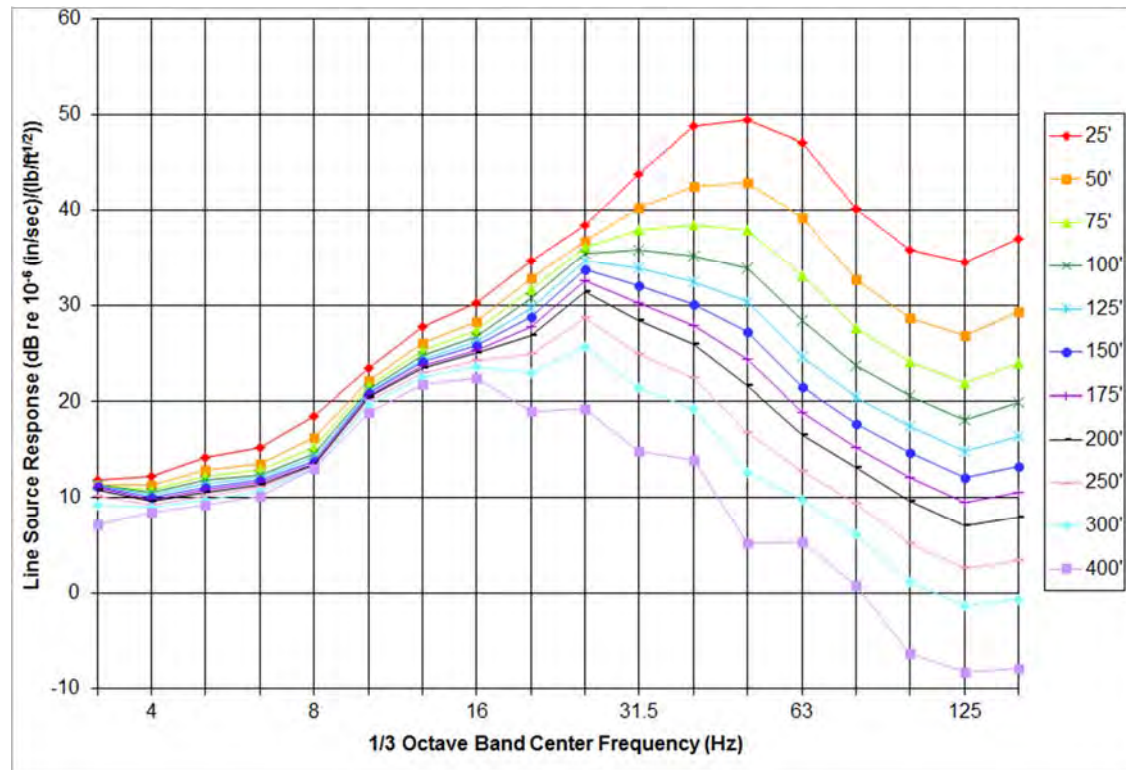


Exhibit E-11. Line Source Responses for Site SVT-11

Table E-12. SVT-12 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	210.1	173.3	54.4	132.9	22.3	27.5	78.4	172.7	116.0	72.2	131.0	14.0	75.0	178.2	135.1	23.4	46.4	113.1
A₁	-301.8	-258.5	-99.6	-236.0	-52.0	-34.5	-128.8	-281.3	-184.8	-93.0	-189.5	17.4	-85.3	-239.0	-169.2	23.2	-8.5	-128.6
A₂	132.9	113.5	49.5	125.4	26.4	7.9	64.0	146.3	97.3	44.4	102.9	-7.7	53.5	129.3	95.3	-10.5	-4.1	60.8
A₃	-19.4	-16.4	-8.1	-21.6	-4.4	-0.1	-10.7	-25.3	-17.2	-7.8	-19.6	-1.0	-12.8	-25.1	-20.2	-2.0	-1.3	-12.7

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

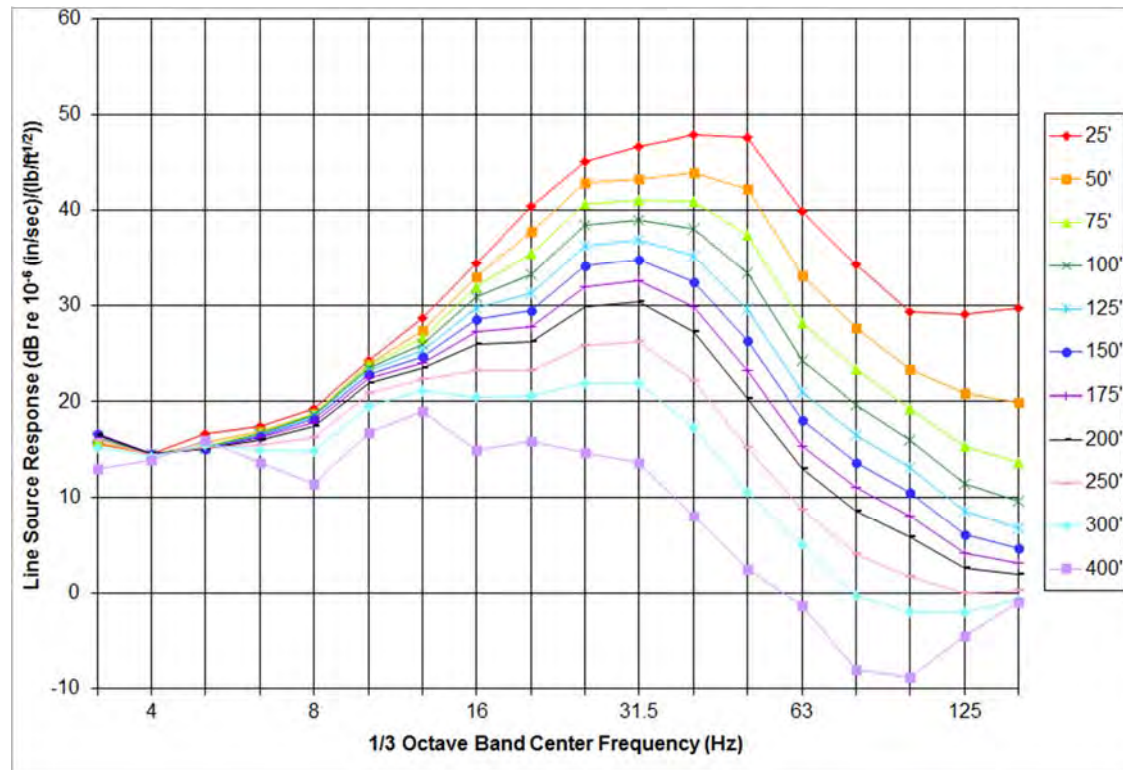


Exhibit E-12. Line Source Responses for Site SVT-12

Table E-13. SVT-13 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	260.3	290.9	310.2	276.3	140.1	34.8	-1.7	43.0	72.4	119.8	255.1	340.3	507.2	477.4	249.2	187.6	76.7	-48.2
A₁	-339.0	-400.2	-458.2	-427.6	-211.8	-39.1	7.6	-61.8	-115.5	-180.3	-406.7	-552.0	-823.8	-738.5	-347.2	-237.1	-52.5	161.7
A₂	141.3	174.2	213.9	208.7	93.5	3.7	-14.2	23.9	58.1	87.6	212.4	299.0	448.4	393.6	183.3	122.4	22.1	-101.8
A₃	-20.3	-25.3	-33.0	-33.6	-13.4	1.5	3.5	-3.4	-9.9	-14.4	-36.8	-53.9	-80.7	-70.3	-34.2	-24.0	-6.8	16.3

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

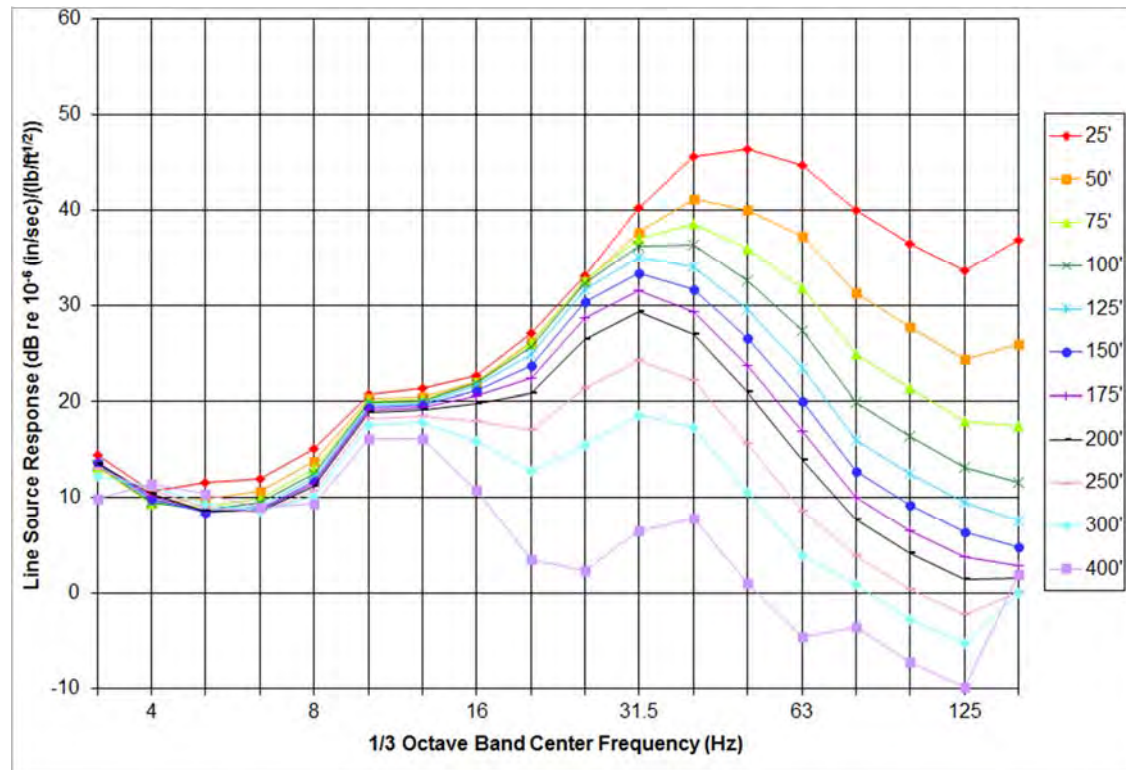


Exhibit E-13. Line Source Responses for Site SVT-13

Table E-14. SVT-14 Regression Coefficients from Measured Transfer Mobilities

Coeff.	1/3 Octave Band Center Frequency (Hz)																	
	3.15	4	5	6.3	8	10	12.5	16	20	25	31.5	40	50	63	80	100	125	160
A₀	264.3	360.7	365.7	388.7	366.6	452.3	399.3	225.9	180.3	151.5	168.8	77.4	47.5	58.9	83.3	79.8	25.4	53.7
A₁	-291.3	-478.2	-514.5	-583.9	-562.6	-711.7	-621.0	-328.6	-271.7	-235.6	-281.7	-106.3	8.8	48.9	13.1	5.4	90.2	19.8
A₂	81.9	193.0	225.8	277.4	271.6	355.7	306.3	151.2	135.1	124.5	159.9	60.7	-26.0	-69.7	-47.1	-36.7	-85.3	-40.2
A₃	-4.0	-24.6	-32.1	-43.1	-42.9	-58.6	-50.0	-23.2	-23.0	-22.7	-30.7	-13.3	5.1	15.6	10.4	7.2	16.5	7.4

$PSR = A_0 + A_1 \cdot \log_{10}(D) + A_2 \cdot \log_{10}^2(D) + A_3 \cdot \log_{10}^3(D)$

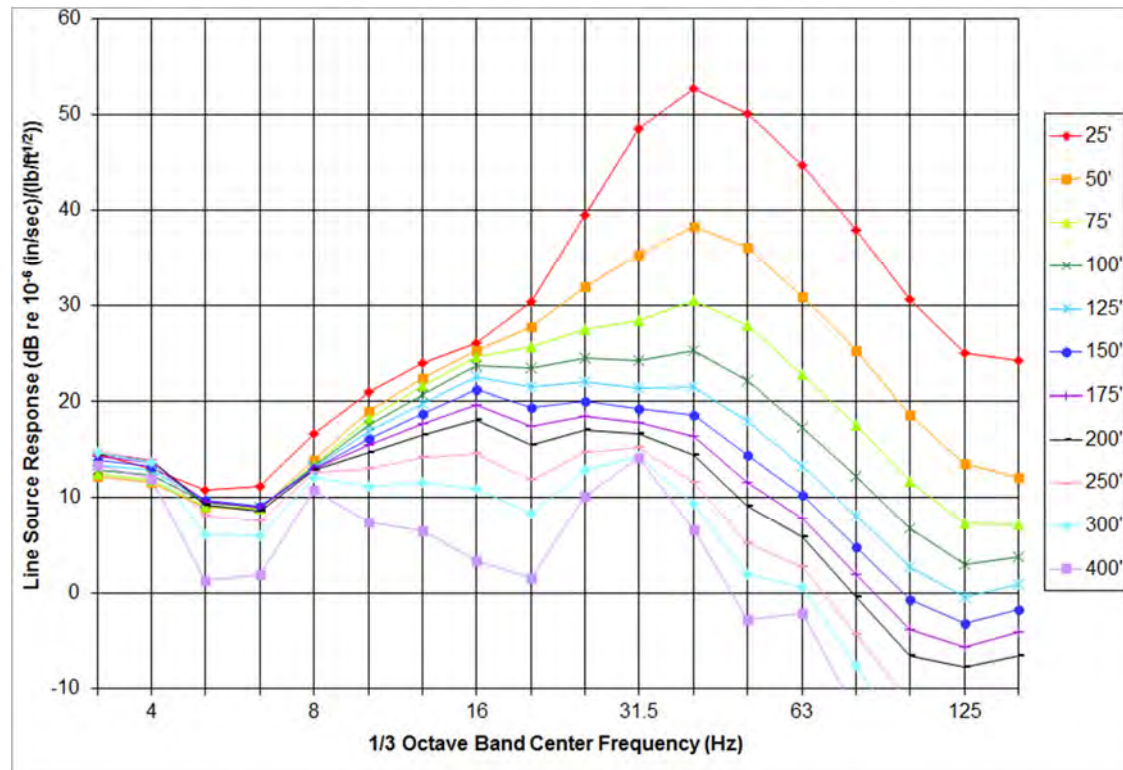
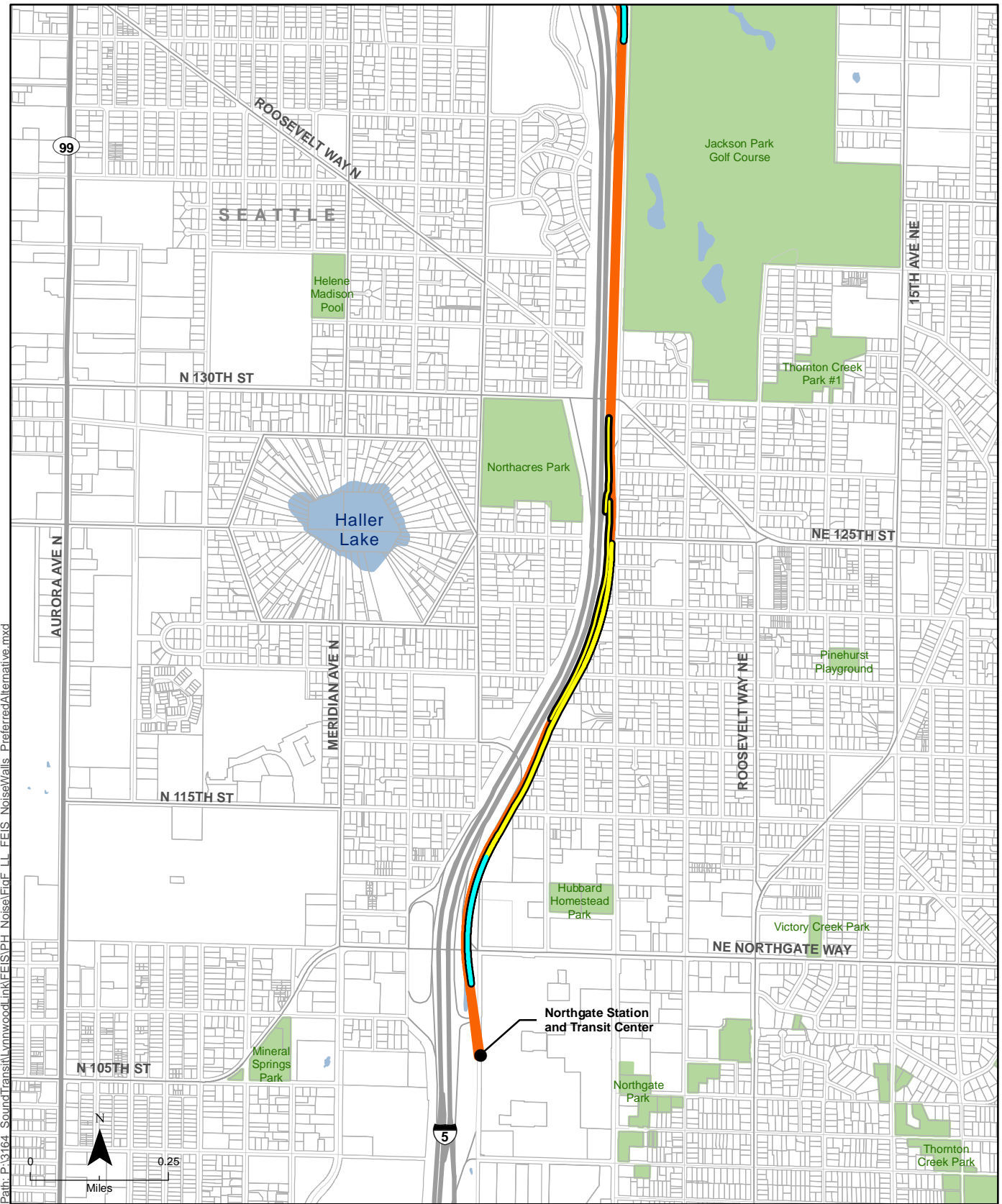


Exhibit E-14. Line Source Responses for Site SVT-14

ATTACHMENT F

Maps of Noise Wall Mitigation Locations



Path: P:\3164_SoundTransit\Lynnwood\link\FEIS\PH_Noise\FigF_LL_FEIS_NoiseWalls_PreferredAlternative.mxd

Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- At Grade Noise Wall
- Preferred Alternative (PA)
- Aerial Noise Wall
- Preferred Alternative Station Location

**Preferred Alternative
Noise Walls**

Lynnwood Link Extension

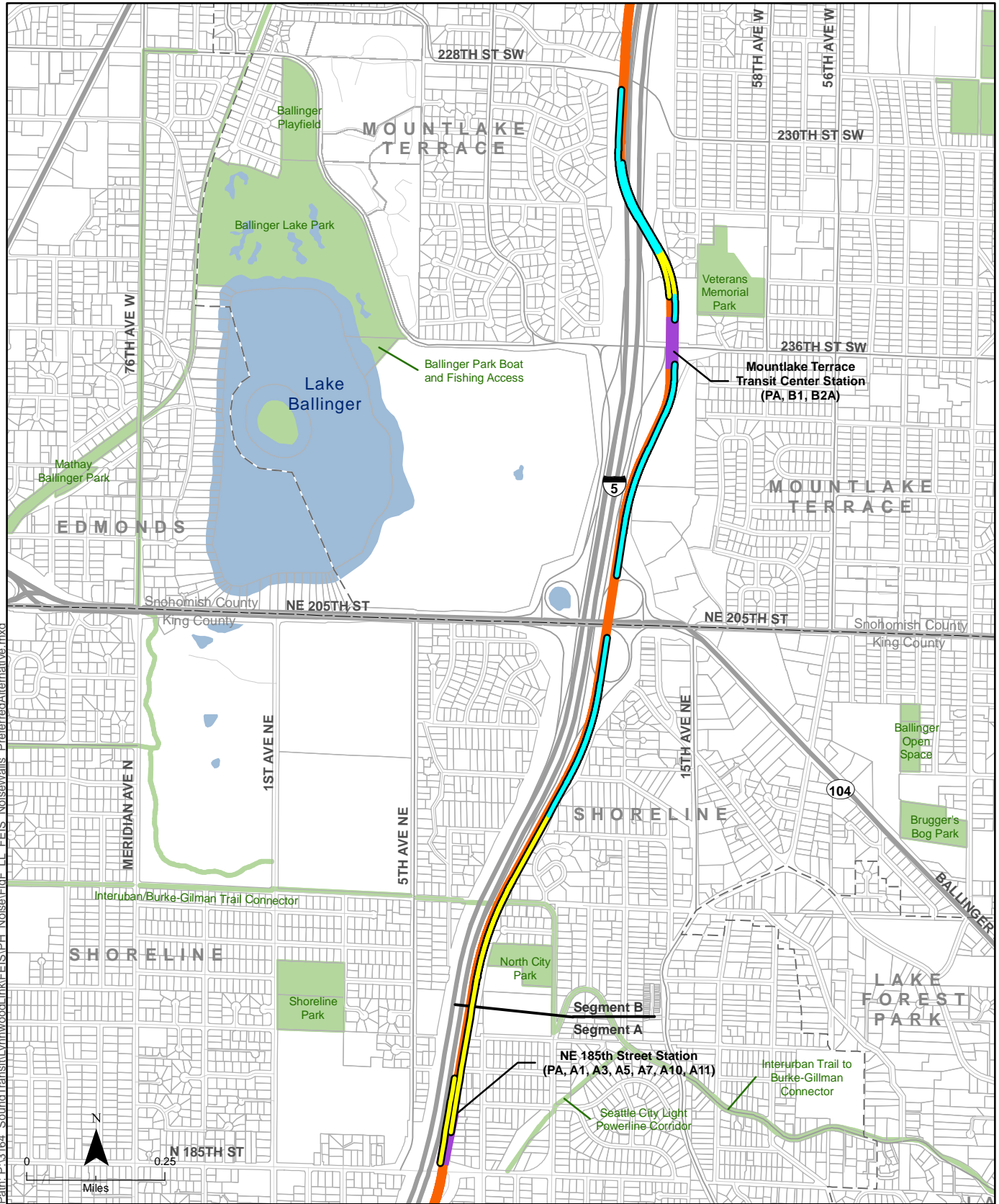


Path: P:\3164_SoundTransit\Lynnwood\link\FEIS\PH_Noise\FigF_LL_FEIS_NoiseWalls_PreferredAlternative.mxd

Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

- At Grade Noise Wall
- Preferred Alternative (PA)
- Aerial Noise Wall
- Preferred Alternative Station Location

Preferred Alternative Noise Walls



Path: P:\3164_SoundTransit\LynnwoodLink\FEIS\PH_Noise\FigF_LL_FEIS_NoiseWalls_PreferredAlternative.mxd

Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

Preferred Alternative Noise Walls

- At Grade Noise Wall
- Aerial Noise Wall
- Preferred Alternative (PA)
- Preferred Alternative Station Location



Path: P:\3164_SoundTransit\Lynnwood\ink\FEIS\PH_Noise\FioF_LL_FEIS_NoiseWalls_PreferredAlternative.mxd

Data Sources: (King County, Snohomish County, WSDOT, Sound Transit)

Preferred Alternative Noise Walls

- At Grade Noise Wall
- Aerial Noise Wall
- Preferred Alternative (PA)
- Preferred Alternative Station Location

Lynnwood Link Extension