Appendix J Noise Tables and Figures

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Table J-1 Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Table J-2 Predicted Future Noise Level and Noise Barrier for Alternative 2A - Alternative Barrier Locations

Table J-3 Predicted Future Noise Level and Noise Barrier for Alternative 2A with Design Option 3

Table J-4 Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Table J-5 Predicted Future Noise Level and Noise Barrier for Alternative 2B - Alternative Barrier Locations

Table J-6 Predicted Future Noise Level and Noise Barrier for Alternative 2B with Design Option 3

Table J-7 Predicted Future Noise Level and Noise Barrier for Alternative 2A (Re-evaluation)

Table J-8 Predicted Future Noise Level and Noise Barrier for Alternative 2B (Re-evaluation)

Figure J-1 Monitoring and Modeled Receptor Locations

Figure J-2 Modeled Noise Barrier and Receptor Locations for Alternative 2A

Figure J-3 Modeled Noise Barrier and Receptor Locations for Alternative 2A with Design Option 3

Figure J-4 Modeled Noise Barrier and Receptor Locations for Alternative 2B

Figure J-5 Modeled Noise Barrier and Receptor Locations for Alternative 2B with Design Option 3

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Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-1.01			Technology Road	Office	1	59.9	59.7	60.1	0.4	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.02			Technology Drive	Office	1	58.6	58.6	58.4	-0.2	-0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.03			Technology Drive	Office	1	59.4	59.1	59.3	0.2	-0.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.04			Technology Drive	Office	1	60.3	60.1	60.9	0.8	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.05			Technology Drive	School	1	60.7 / 35.7	60.3 / 35.3	61.3 / 36.3	1.0	0.6	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.06			Technology Drive	School	1	62.3 / 37.3	61.9 / 36.9	62.8 / 37.8	0.9	0.5	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.07			Technology Drive	Office	1	67.4	67.3	67.8	0.5	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.08			Technology Drive	Office	1	67.9	67.8	68.3	0.5	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.09			Technology Drive	Office	1	61.3	61.2	62.4	1.2	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.10			Technology Drive	Office	1	69.0	69.0	70.5	1.5	1.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.11			Technology Drive	Office	1	55.8	56.1	56.9	0.8	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.12			Technology Drive	Office	1	63.4	63.8	63.9	0.1	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.13			Technology Drive	Restaurant	1	58.1	58.5	59.1	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.14			Technology Drive	Retail	1	50.8	51.2	51.4	0.2	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.15			Technology Drive	Retail	1	53.5	53.9	54.3	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.16			Technology Drive	Retail	1	61.8	62.3	62.0	-0.3	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.17			Technology Drive	Retail	1	55.7	55.9	56.3	0.4	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.18			Technology Drive	Retail	1	66.7	67.1	67.0	-0.1	0.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.19			Technology Drive	Office	1	64.6	64.9	65.8	0.9	1.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.20			Technology Drive	Office	1	59.1	59.4	60.1	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.21			Technology Drive	Office	1	58.5	58.9	59.6	0.7	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.22		NB 1.1	Technology Drive	Office	1	69.6	69.8	70.5	0.7	0.9	E(72)	--	69.1	1.4	0	68.6	1.9	0	68.4	2.1	0	68.1	2.4	0	67.9	2.6	0	67.8	2.7	0	67.7	2.8	0	67.7	2.8	0	67.6	2.9	0
R-1.23		NB 1.1	Technology Drive	Office	1	68.3	68.6	69.2	0.6	0.9	E(72)	--	66.4	2.8	0	65.6	3.6	0	65.1	4.1	0	64.4	4.8	0	63.8	5.4	1	63.5	5.7	1	63.2	6.0	1	63.0	6.2	1	62.9	6.3	1
R-1.24		NB 1.1	Technology Drive	Office	1	70.9	**71.1**	**71.8**	0.7	0.9	E(72)	A/E	69.7	2.1	0	67.6	4.2	0	66.4	5.4	1	65.2	6.6	1	64.2	7.6	1	63.6	8.2	1	63.2	8.6	1	62.8	9.0	1	62.6	9.2	1
R-1.25			Technology Drive	Office	1	69.9	70.2	70.8	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.26			Technology Drive	Office	1	66.3	66.5	67.5	1.0	1.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.27			Technology Drive	Vacant Land	1	60.0	59.4	59.4	0.0	-0.6	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.01			Marine Way	Vacant Land	1	70.8	71.1	71.3	0.2	0.5	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.02		NB 2.1	Sand Canyon Avenue	Church	1	**70.6** / 45.6	**71.1** / 46.1	**71.6** / 46.6	0.5	1.0	C(67)/D(52)	A/E	**70.4**	1.2	0	**70.0**	1.6	0	**68.9**	2.7	0	**68.4**	3.2	0	**68.3**	3.3	0	**68.2**	3.4	0	**68.2**	3.4	0	**68.1**	3.5	0	**68.1**	3.5	0
R-2.03	EW 2.1		Jade Flower	Residential	2	63.8	64.2	64.6	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.04	EW 2.1		Jade Flower	Residential	2	63.2	63.6	64.0	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.05	EW 2.1		Jade Flower	Residential	2	62.7	63.2	63.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.06	EW 2.1		Rose Arch	Residential	1	62.8	63.2	63.6	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.07	EW 2.1		Rose Arch	Residential	1	62.8	63.2	63.5	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.08	EW 2.1		Twin Flower	Residential	3	59.1	59.6	60.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.09	EW 2.1		Twin Flower	Residential	2	58.7	59.1	59.6	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.10	EW 2.1		Twin Flower	Residential	4	58.3	58.8	59.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.11	EW 2.1		Twin Flower	Residential	2	58.6	59.0	59.5	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.12	EW 2.1		Twin Flower	Residential	4	58.2	58.6	59.1	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.13	EW 2.1		Twin Flower	Residential	3	58.4	58.9	59.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.14	EW 2.1		Rose Arch	Residential	2	62.5	63.0	63.3	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.15	EW 2.1		Rose Arch	Residential	2	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.16	EW 2.1		Rose Arch	Residential	2	61.8	62.3	62.6	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.17	EW 2.1		Rose Arch	Residential	2	61.4	61.9	62.2	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.18	EW 2.1		Rose Arch	Residential	2	61.1	61.6	61.9	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.19	EW 2.1		Rose Arch	Residential	1	60.9	61.4	61.8	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.20	EW 2.1		Rose Arch	Residential	1	61.1	61.6	62.1	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.21	EW 2.1		Rose Arch	Residential	1	60.6	61.1	61.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.22	EW 2.1		Rose Arch	Residential	1	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.23	EW 2.1		Rose Arch	Residential	1	61.8	62.3	62.7	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.24	EW 2.1		Rose Arch	Residential	1	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.25	EW 2.1		Rose Arch	Residential	1	61.8	62.3	62.6	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.26	EW 2.1		Rose Arch	Residential	1	62.2	62.7	63.1	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.27	EW 2.1		Rose Arch	Residential	1	62.2	62.7	63.1	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.28	EW 2.1		Rose Arch	Residential	1	61.7	62.2	62.5	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.29	EW 2.1		Rose Arch	Residential	2	59.3	59.8	60.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.30	EW 2.1		Rose Arch	Residential	2	62.1	62.6	63.1	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.31	EW 2.1		Rose Arch	Residential	2	61.5	62.0	62.4	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.32	EW 2.1		Rose Arch	Residential	2	61.1	61.6	62.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.33	EW 2.1		Rose Arch	Residential	2	60.4	60.9	61.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.34	EW 2.1		Rose Arch	Residential	2	58.2	58.7	59.1	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.35	EW 2.1		Rose Arch	Residential	2	61.0	61.6	61.9	0.3	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.36	EW 2.1		Rose Arch	Residential	2	60.4	60.9	61.2	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																												
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
													$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-2.37	EW 2.1		Rose Arch	Residential	2	58.2	58.8	59.2	0.4	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.38	EW 2.1		Rose Arch	Residential	2	61.0	61.5	62.0	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.39	EW 2.1		Rose Arch	Residential	2	60.4	60.9	61.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.40	EW 2.1		Rose Arch	Residential	2	58.4	58.9	59.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.41	EW 2.1		Rose Arch	Residential	2	61.9	62.4	62.8	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.42	EW 2.1		Rose Arch	Residential	2	61.1	61.6	62.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.43	EW 2.1		Rose Arch	Residential	2	61.0	61.5	61.9	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.44	EW 2.1		Rose Arch	Residential	2	61.3	61.8	62.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.45	EW 2.1		Pendio	Residential	2	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.46	EW 2.1		Pendio	Residential	4	62.3	62.8	63.3	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.47	EW 2.1		Pendio	Residential	4	61.7	62.2	62.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.48	EW 2.1		Pendio	Residential	2	61.9	62.4	62.8	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.49	EW 2.1		Pendio	Residential	4	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.50	EW 2.1		Pendio	Residential	4	62.4	62.9	63.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.51	EW 2.1		Pendio	Residential	2	62.4	62.9	63.1	0.2	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.52	EW 2.1		Pendio	Residential	2	61.0	61.5	61.9	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.53	EW 2.1		Pendio	Residential	2	61.5	62.0	62.4	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.54	EW 2.1		Pendio	Residential	2	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.55	EW 2.1		Pendio	Residential	4	62.8	63.3	63.6	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.56	EW 2.1		Pendio	Residential	4	62.8	63.3	63.7	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.57	EW 2.1		Pendio	Residential	2	62.6	63.1	63.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.58	EW 2.1		Pendio	Residential	2	61.9	62.4	62.7	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.59	EW 2.1		Pendio	Residential	4	61.5	62.0	62.3	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.60	EW 2.1		Pendio	Residential	4	61.1	61.6	61.9	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.61	EW 2.1		Pendio	Residential	2	62.6	63.1	63.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.62	EW 2.1		Pendio	Residential	4	63.0	63.5	63.9	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.63	EW 2.1		Pendio	Residential	4	63.1	63.6	64.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.64	EW 2.1		Pendio	Residential	2	62.7	63.2	63.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.65	EW 2.1		Pendio	Residential	4	63.4	63.9	64.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.66	EW 2.1		Pendio	Residential	4	63.6	64.1	64.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.67	EW 2.1		Pendio	Residential	2	63.1	63.6	64.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.68	EW 2.1		Pendio	Residential	2	63.2	63.7	64.1	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.69	EW 2.1		Pendio	Residential	4	63.2	63.7	63.9	0.2	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.70	EW 2.1		Pendio	Residential	4	62.8	63.3	63.6	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.71	EW 2.1		Pendio	Residential	2	62.1	62.5	63.4	0.9	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.72	EW 2.1		Pendio	Residential	2	61.4	61.8	62.3	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.73	EW 2.1		Pendio	Residential	4	61.9	62.3	62.8	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.74	EW 2.1		Pendio	Residential	4	62.3	62.7	63.3	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.75	EW 2.1		Pendio	Residential	2	62.5	62.9	63.5	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.76	EW 2.1		Pendio	Residential	2	61.7	62.1	62.6	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.77	EW 2.1		Pendio	Residential	4	61.2	61.6	62.2	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.78	EW 2.1		Pendio	Residential	4	61.0	61.4	62.0	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.79	EW 2.1		Pendio	Residential	2	61.0	61.4	61.9	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.80	EW 2.1		Pendio	Residential	2	61.6	62.1	62.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.81	EW 2.1		Pendio	Residential	2	61.3	61.8	62.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.82	EW 2.1		Pendio	Residential	2	61.3	61.7	62.1	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.83	EW 2.1		Pendio	Residential	2	61.0	61.5	61.8	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.84	EW 2.1		Pendio	Residential	1	59.6	60.1	60.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.85	EW 2.1		Pendio	Residential	1	59.6	60.1	60.4	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.86	EW 2.1		Vissions	Park - Sports Area	1	63.1	63.7	64.1	0.4	1.0	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.01			Roosevelt	Office	1	56.8	57.1	57.3	0.2	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.02			Roosevelt	Office	1	57.4	57.7	58.1	0.4	0.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.03			Roosevelt	Office	1	70.8	**71.1**	70.2	-0.9	-0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.04			Roosevelt	Office	1	54.9	55.4	55.6	0.2	0.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.05			Roosevelt	Office	1	69.3	69.5	70.5	1.0	1.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.06			Roosevelt	Office	1	62.0	62.4	63.0	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.07			Roosevelt	Office	1	63.7	64.0	65.4	1.4	1.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.08			Roosevelt	Office	1	58.3	58.6	59.0	0.4	0.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.09			Roosevelt	Office	1	58.3	58.7	58.8	0.1	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.10	EW 3.1	NB 3.3	Hayes Street	Residential	1	57.4	57.7	58.5	0.8	1.1	B(67)	--	--	--	--	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.4	0.1	0	58.4	0.1	0	58.4	0.1	0	58.3	0.2	0
R-3.11	EW 3.1	NB 3.3	Hayes Street	Residential	1	**68.3**	**68.5**	**69.2**	0.7	0.9	B(67)	A/E	--	--	--	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0	**69.1**	0.1	0	**69.0**	0.2	0	**68.9**	0.3	0	**68.9**	0.3	0	**68.9**	0.3	0
R-3.12	EW 3.1	NB 3.3	Hayes Street	Residential	1	60.7	61.0	61.5	0.5	0.8	B(67)	--	--	--	--	61.5	0.0	0	61.5	0.0	0	60.8	0.7	0	60.1	1.4	0	59.7	1.8	0	59.6	1.9	0	59.5	2.0	0	59.3	2.2	0
R-3.13	EW 3.1	NB 3.3	Hayes Street	Residential	1	65.3	65.6	**66.2**	0.6	0.9	B(67)	A/E	--	--	--	**66.2**	0.0	0	**66.2**	0.0	0	65.3	0.9	0	64.9	1.3	0	64.7	1.5	0	65.1	1.1	0	65.5	0.7	0	65.5	0.7	0

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																											
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.14	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.8**	**69.0**	**69.5**	0.5	0.7	B(67)	A/E	--	--	--	**69.5**	0.0	0	**69.5**	0.0	0	**67.9**	1.6	0	**67.4**	2.1	0	**67.2**	2.3	0	**67.0**	2.5	0	**66.9**	2.6	0	**66.8**	2.7	0
R-3.15	EW 3.1	NB 3.3	Hayes Street	Residential	2	**73.5**	**73.7**	**73.9**	0.2	0.4	B(67)	A/E	--	--	--	**73.9**	0.0	0	**73.9**	0.0	0	**68.2**	5.7	2	**66.9**	7.0	2	**66.1**	7.8	2	**66.8**	7.1	2	**66.1**	7.8	2	65.8	8.1	2
R-3.16	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.5	64.8	65.3	0.5	0.8	B(67)	--	--	--	--	65.3	0.0	0	65.3	0.0	0	62.9	2.4	0	61.0	4.3	0	60.2	5.1	3	59.8	5.5	3	59.5	5.8	3	59.4	5.9	3
R-3.17	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.1**	**69.4**	**69.9**	0.5	0.8	B(67)	A/E	--	--	--	**69.9**	0.0	0	**69.9**	0.0	0	**67.1**	2.8	0	65.1	4.8	0	64.4	5.5	3	65.8	4.1	0	**66.4**	3.5	0	65.9	4.0	0
R-3.18	EW 3.1	NB 3.3	Hayes Street	Residential	1	64.5	64.8	65.3	0.5	0.8	B(67)	--	--	--	--	65.3	0.0	0	65.3	0.0	0	63.6	1.7	0	62.3	3.0	0	61.9	3.4	0	61.7	3.6	0	61.6	3.7	0	61.6	3.7	0
R-3.19	EW 3.1	NB 3.3	Hayes Street	Residential	1	**67.8**	**68.0**	**68.4**	0.4	0.6	B(67)	A/E	--	--	--	**68.4**	0.0	0	**68.4**	0.0	0	**66.4**	2.0	0	64.4	4.0	0	63.9	4.5	0	65.8	2.6	0	65.8	2.6	0	65.2	3.2	0
R-3.20	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.3	64.5	65.0	0.5	0.7	B(67)	--	--	--	--	65.0	0.0	0	65.0	0.0	0	62.2	2.8	0	59.9	5.1	2	58.9	6.1	2	58.4	6.6	2	58.0	7.0	2	57.8	7.2	2
R-3.21	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.2**	**68.4**	**68.9**	0.5	0.7	B(67)	A/E	--	--	--	**68.9**	0.0	0	**68.9**	0.0	0	65.6	3.3	0	63.4	5.5	2	62.8	6.1	2	65.3	3.6	0	64.6	4.3	0	64.1	4.8	0
R-3.22	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.7	**66.0**	**66.6**	0.6	0.9	B(67)	A/E	--	--	--	**66.6**	0.0	0	**66.6**	0.0	0	63.7	2.9	0	62.1	4.5	0	61.3	5.3	3	60.8	5.8	3	60.4	6.2	3	60.0	6.6	3
R-3.23	EW 3.1	NB 3.3	Hayes Street	Residential	3	**71.3**	**71.5**	**72.0**	0.5	0.7	B(67)	A/E	--	--	--	**72.0**	0.0	0	**72.0**	0.0	0	**67.4**	4.6	0	65.5	6.5	3	64.7	7.3	3	65.1	6.9	3	**66.3**	5.7	3	65.8	6.2	3
R-3.24	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.4	63.9	0.5	0.7	B(67)	--	--	--	--	63.9	0.0	0	63.9	0.0	0	61.4	2.5	0	59.2	4.7	0	58.4	5.5	2	58.1	5.8	2	57.9	6.0	2	57.9	6.0	2
R-3.25	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**67.4**	0.0	0	**67.4**	0.0	0	65.2	2.2	0	63.2	4.2	0	62.5	4.9	0	65.0	2.4	0	64.1	3.3	0	63.6	3.8	0
R-3.26	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.5	64.1	0.6	0.9	B(67)	--	--	--	--	64.1	0.0	0	64.1	0.0	0	60.4	3.7	0	59.1	5.0	0	58.3	5.8	2	57.8	6.3	2	57.4	6.7	2	59.2	4.9	0
R-3.27	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.6**	**68.7**	**69.6**	0.9	1.0	B(67)	A/E	--	--	--	**69.6**	0.0	0	**69.6**	0.0	0	64.4	5.2	2	63.3	6.3	2	62.6	7.0	2	62.6	7.0	2	62.6	7.0	2	62.0	7.6	2
R-3.28	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.5	64.7	65.3	0.6	0.8	B(67)	--	--	--	--	65.3	0.0	0	65.3	0.0	0	61.8	3.5	0	60.0	5.3	2	59.1	6.2	2	58.5	6.8	2	58.0	7.3	2	57.7	7.6	2
R-3.29	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.9**	**71.1**	**71.6**	0.5	0.7	B(67)	A/E	--	--	--	**71.6**	0.0	0	**71.6**	0.0	0	65.6	6.0	2	63.6	8.0	2	62.8	8.8	2	64.6	7.0	2	63.6	8.0	2	63.1	8.5	2
R-3.30	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.2	65.4	65.9	0.5	0.7	B(67)	--	--	--	--	65.9	0.0	0	65.9	0.0	0	62.3	3.6	0	61.4	4.5	0	60.7	5.2	2	60.2	5.7	2	59.8	6.1	2	59.5	6.4	2
R-3.31	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.3**	0.6	0.8	B(67)	A/E	--	--	--	**70.3**	0.0	0	**70.3**	0.0	0	64.7	5.6	2	63.8	6.5	2	64.8	5.5	2	64.2	6.1	2	63.1	7.2	2	62.4	7.9	2
R-3.32	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**67.4**	0.0	0	**67.4**	0.0	0	64.0	3.4	0	63.1	4.3	0	62.4	5.0	2	61.9	5.5	2	61.5	5.9	2	61.0	6.4	2
R-3.33	EW 3.1	NB 3.3	Hayes Street	Residential	2	**72.5**	**72.7**	**73.2**	0.5	0.7	B(67)	A/E	--	--	--	**73.2**	0.0	0	**73.2**	0.0	0	**66.8**	6.4	2	65.7	7.5	2	**66.5**	6.7	2	65.8	7.4	2	65.2	8.0	2	64.3	8.9	2
R-3.34	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.8	**66.0**	**66.4**	0.4	0.6	B(67)	A/E	--	--	--	65.7	0.7	0	64.7	1.7	0	63.1	3.3	0	62.2	4.2	0	61.5	4.9	0	61.0	5.4	3	60.5	5.9	3	60.1	6.3	3
R-3.35	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.2**	**72.5**	**72.9**	0.4	0.7	B(67)	A/E	--	--	--	**72.9**	0.0	0	**72.9**	0.0	0	**67.1**	5.8	3	65.8	7.1	3	65.1	7.8	3	**66.8**	6.1	3	**66.1**	6.8	3	65.3	7.6	3
R-3.36	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.9	**66.1**	**66.6**	0.5	0.7	B(67)	A/E	--	--	--	**66.6**	0.0	0	**66.6**	0.0	0	63.2	3.4	0	62.3	4.3	0	61.7	4.9	0	61.2	5.4	2	60.8	5.8	2	61.2	5.4	2
R-3.37	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.1**	**68.4**	**68.9**	0.5	0.8	B(67)	A/E	--	--	--	**68.9**	0.0	0	**68.9**	0.0	0	64.0	4.9	0	63.2	5.7	2	65.6	3.3	0	64.7	4.2	0	63.7	5.2	2	63.1	5.8	2
R-3.38	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.6	64.9	65.2	0.3	0.6	B(67)	--	--	--	--	65.2	0.0	0	65.2	0.0	0	61.4	3.8	0	60.4	4.8	0	59.8	5.4	4	59.4	5.8	4	59.2	6.0	4	60.0	5.2	4
R-3.39	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.2	64.4	64.9	0.5	0.7	B(67)	--	--	--	--	64.9	0.0	0	64.9	0.0	0	60.9	4.0	0	59.9	5.0	4	59.2	5.7	4	58.7	6.2	4	58.4	6.5	4	60.0	4.9	0
R-3.40	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.6**	**66.9**	**67.4**	0.5	0.8	B(67)	A/E	--	--	--	**67.4**	0.0	0	**67.4**	0.0	0	63.9	3.5	0	62.9	4.5	0	62.3	5.1	3	61.8	5.6	3	61.4	6.0	3	61.0	6.4	3
R-3.41	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.5**	**72.8**	**73.2**	0.4	0.7	B(67)	A/E	--	--	--	**73.2**	0.0	0	**73.2**	0.0	0	**67.1**	6.1	3	65.9	7.3	3	65.2	8.0	3	**66.5**	6.7	3	65.9	7.3	3	65.4	7.8	3
R-3.42	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.0	65.3	65.7	0.4	0.7	B(67)	--	--	--	--	65.7	0.0	0	65.7	0.0	0	62.0	3.7	0	61.1	4.6	0	60.5	5.2	2	60.0	5.7	2	59.6	6.1	2	60.8	4.9	0
R-3.43	EW 3.1	NB 3.3	Hayes Street	Residential	2	**71.7**	**71.9**	**72.2**	0.3	0.5	B(67)	A/E	--	--	--	**72.2**	0.0	0	**72.2**	0.0	0	**66.2**	6.0	2	64.9	7.3	2	65.4	6.8	2	64.9	7.3	2	64.2	8.0	2	63.6	8.6	2
R-3.44	EW 3.1	NB 3.3	Hayes Street	Residential	2	60.7	60.9	61.3	0.4	0.6	B(67)	--	--	--	--	61.3	0.0	0	61.3	0.0	0	58.6	2.7	0	56.9	4.4	0	56.0	5.3	2	55.3	6.0	2	54.7	6.6	2	54.3	7.0	2
R-3.45	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.4	65.6	**66.1**	0.5	0.7	B(67)	A/E	--	--	--	**66.1**	0.0	0	**66.1**	0.0	0	61.6	4.5	0	59.6	6.5	2	58.4	7.7	2	57.8	8.3	2	59.3	6.8	2	59.3	6.8	2
R-3.46	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.5	59.7	60.1	0.4	0.6	B(67)	--	--	--	--	60.1	0.0	0	60.1	0.0	0	57.8	2.3	0	55.5	4.6	0	54.2	5.9	2	53.6	6.5	2	53.2	6.9	2	52.9	7.2	2
R-3.47	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.1	62.3	62.8	0.5	0.7	B(67)	--	--	--	--	62.8	0.0	0	62.8	0.0	0	60.4	2.4	0	58.2	4.6	0	57.2	5.6	2	57.1	5.7	2	59.7	3.1	0	58.9	3.9	0
R-3.48	EW 3.1	NB 3.3	Hayes Street	Residential	4	61.9	62.1	62.5	0.4	0.6	B(67)	--	--	--	--	62.5	0.0	0	62.5	0.0	0	60.4	2.1	0	58.7	3.8	0	57.7	4.8	0	57.0	5.5	4	56.5	6.0	4	56.1	6.4	4
R-3.49	EW 3.1	NB 3.3	Hayes Street	Residential	4	60.7	61.0	61.4	0.4	0.7	B(67)	--	--	--	--	61.4	0.0	0	61.4	0.0	0	59.0	2.4	0	56.8	4.6	0	55.6	5.8	4	55.0	6.4	4	54.5	6.9	4	54.1	7.3	4
R-3.50	EW 3.1	NB 3.3	Hayes Street	Residential	3	61.6	61.9	62.3	0.4	0.7	B(67)	--	--	--	--	62.3	0.0	0	62.3	0.0	0	60.1	2.2	0	58.4	3.9	0	57.4	4.9	0	56.8	5.5	3	56.4	5.9	3	55.9	6.4	3
R-3.51	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.8**	**67.1**	**67.6**	0.5	0.8	B(67)	A/E	--	--	--	**67.6**	0.0	0	**67.6**	0.0	0	63.5	4.1	0	61.3	6.3	3	60.1	7.5	3	59.5	8.1	3	59.4	8.2	3	60.6	7.0	3
R-3.52	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.5	62.8	63.2	0.4	0.7	B(67)	--	--	--	--	63.2	0.0	0	63.2	0.0	0	60.9	2.3	0	59.2	4.0	0	58.3	4.9	0	57.6	5.6	3	57.1	6.1	3	56.6	6.6	3
R-3.53	EW 3.1	NB 3.3	Hayes Street	Residential	3	**67.7**	**67.9**	**68.5**	0.6	0.8	B(67)	A/E	--	--	--	**68.5**	0.0	0	**68.5**	0.0	0	64.2	4.3	0	61.9	6.6	3	60.6	7.9	3	60.0	8.5	3	59.8	8.7	3	60.6	7.9	3
R-3.54	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.3	62.6	63.0	0.4	0.7	B(67)	--	--	--	--	63.0	0.0	0	63.0	0.0	0	59.4	3.6	0	57.8	5.2	2	56.9	6.1	2	56.3	6.7	2	55.6	7.4	2	55.2	7.8	2
R-3.55	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.9**	**68.1**	**68.7**	0.6	0.8	B(67)	A/E	--	--	--	**68.7**	0.0	0	**68.7**	0.0	0	62.4	6.3	2	60.3	8.4	2	59.1	9.6	2	58.3	10.4	2	59.4	9.3	2	59.6	9.1	2
R-3.56	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.6	59.8	60.2	0.4	0.6	B(67)	--	--	--	--	60.2	0.0	0	60.2	0.0	0	56.2	4.0	0	54.5	5.7	2	53.6	6.6	2	53.1	7.1	2	52.8	7.4	2	55.3	4.9	0
R-3.57	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.9	63.1	63.6	0.5	0.7	B(67)	--	--	--	--	63.6	0.0	0	63.6	0.0	0	59.3	4.3	0	58.2	5.4	2	59.5	4.1	0	59.0	4.6	0	58.4	5.2	2	57.3	6.3	2
R-3.58	EW 3.1	NB 3.3	Hayes Street	Residential	4	62.8	63.0	63.5	0.5	0.7	B(67)	--	--	--	--	63.5	0.0	0	63.5	0.0	0	60.4	3.1	0	59.3	4.2	0	58.4	5.1	4	57.9	5.6	4	57.4	6.1	4	57.0	6.5	4
R-3.59	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.7	63.0	63.4	0.4	0.7	B(67)	--	--	--	--	63.4	0.0	0	63.4	0.0	0	60.3	3.1	0	59.1	4.3	0	58.3	5.1	3	57.7	5.7	3	57.3	6.1	3	56.8	6.6	3
R-3.60	EW 3.1	NB 3.3	Hayes Street	Residential	3	**68.4**	**68.6**	**69.1**	0.5	0.7	B(67)	A/E	--	--	--	**69.1**	0.0	0	**69.1**	0.0	0	63.8	5.3	3	62.4	6.7	3	61.4	7.7	3	62.2	6.9	3	62.0	7.1	3	62.1	7.0	3
R-3.61	EW 3.1	NB 3.3	Hayes Street	Residential	3	63.9	64.2	64.8	0.6	0.9	B(67)	--	--	--	--	64.8	0.0	0	64.8	0.0	0	61.3	3.5	0	59.9	4.9	0	58.9	5.9	3	58.3	6.5	3	57.7	7.1	3	57.2	7.6	3
R-3.62	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.2**	**69.5**	**70.2**	0.7	1.0	B(67)	A/E	--	--	--	**70.2**	0.0	0	**70.2**	0.0	0	65.2	5.0	3	63.1	7.1	3	61.9	8.3	3	62.2	8.0	3	62.4	7.8	3	62.3	7.9	3
R-3.63	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.0	63.3	63.8	0.5	0.8	B(67)	--	--	--	--	63.8	0.0	0	63.8	0.0	0	60.6	3.2	0	59.3	4.5	0	58.3	5.5	2	57.7	6.1	2	57.2	6.6	2	56.8	7.0	2
R-3.64	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.0**	**68.2**	**68.8**	0.6	0.8	B(67)	A/E	--	--	--	**67.6**	1.2	0	65.8	3.0	0	63.8	5.0	2	62.0	6.8	2	61.1	7.7	2	62.0	6.8	2	61.9	6.9	2	61.3	7.5	2
R-3.65	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.7	63.0	63.5	0.5	0.8	B(67)	--	--	--	--	62.4	1.1	0	60.6	2.9	0	59.2	4.3	0	57.4	6.1	2	56.2	7.3	2	55.4	8.1	2	54.8	8.7	2	54.4	9.1	2
R-3.66	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.6**	**67.9**	**68.3**	0.4	0.7	B(67)	A/E	--	--	--	**66.8**	1.5	0	64.8	3.5	0	63.2	5.1	2	60.6	7.7	2	59.2	9.1	2	59.3	9.0	2	58.8	9.5	2	57.5	10.8	2
R-3.67	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.9	65.2	65.7	0.5	0.8	B(67)	--	--	--	--	64.3	1.4	0	62.5	3.2	0	61.0	4.7	0	59.5	6.2	2	58.5	7.2	2	57.8	7.9	2	57.1	8.6	2	56.6	9.1	2
R-3.68	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.5**	**70.8**	**71.2**	0.4	0.7	B(67)	A/E	--	--	--	**70.0**	1.2	0	**67.4**	3.8	0	65.2	6.0	2	62.6	8.6	2	61.5	9.7	2	61.4	9.8	2	61.1	10.1	2	60.4	10.8	2
R-3.69	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.9	64.2	64.9	0.7	1.0	B(67)	--	--	--	--	63.4	1.5	0	62.2	2.7	0	61.1	3.8	0	59.4	5.5	2	58.3	6.6	2	57.6	7.3	2	57.1	7.8	2	56.6	8.3	2
R-3.70	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.8**	**70.0**	**70.6**	0.6	0.8	B(67)	A/E	--	--	--	**68.9**	1.7	0	**66.8**	3.8	0	64.9	5.7	2	62.6	8.0	2	61.0	9.6	2	60.3	10.3	2	61.2	9.4	2	60.8	9.8	2
R-3.71	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.8	65.1	65.8	0.7	1.0	B(67)	--	--	--	--	64.9	0.9	0	63.8	2.0	0	62.8	3.0	0	61.0	4.8	0	59.9	5.9	3	59.2	6.6	3	58.7	7.1	3	58.2	7.6	3
R-3.72	EW 3.1	NB 3.3	Hayes Street	Residential	3	**70.0**	**70.2**	**70.7**	0.5	0.7	B(67)	A/E	--	--	--	**69.9**	0.8	0	**68.7**	2.0	0	**66.9**	3.8	0	64.4	6.3	3	63.0	7.7	3	62.2	8.5	3	62.9	7.8	3	63.3	7.4	3
R-3.73	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.1	64.4	65.0	0.6	0.9	B(67)	--	--	--	--	64.2	0.8	0	63.4	1.6	0	62.5	2.5	0	60.9	4.1	0	59.8	5.2	3	59.1	5.9	3	58.6	6.4	3	58.2	6.8	3
R-3.74	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.8**	**70.0**	**70.7**	0.7	0.9	B(67)	A/E	--	--	--	**69.9**	0.8	0	**68.2**	2.5	0	**66.6**	4.1	0	64.4	6.3	3	63.0	7.7	3	62.2	8.5	3	63.3	7.4	3	63.4	7.3	3
R-3.75	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	64.2	0.9	0	63.3	1.8	0	62.3	2.8	0	60.7	4.4	0	59.6	5.5	4	58.9	6.2	4	58.4	6.7	4	58.0	7.1	4
R-3.76	EW 3.1	NB 3.3	Hayes Street	Residential	4	63.1	63.4	64.0	0.6	0.9	B(67)	--	--	--	--	62.5	1.5	0	61.5	2.5	0	60.4	3.6	0	58.9	5.1	4	57.6	6.4	4	56.9	7.1	4	56.3	7.7	4	55.9	8.1	4

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level							Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																											
														6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.77	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.5**	0.8	1.0	B(67)	A/E	--	--	--	**68.4**	2.1	0	**66.6**	3.9	0	64.7	5.8	2	62.6	7.9	2	61.2	9.3	2	60.2	10.3	2	61.6	8.9	2	61.1	9.4	2
R-3.78	EW 3.1	NB 3.3	Huntington	Residential	2	64.3	64.6	65.9	1.3	1.6	B(67)	--	--	--	--	63.7	2.2	0	62.8	3.1	0	61.9	4.0	0	60.6	5.3	2	59.8	6.1	2	59.2	6.7	2	58.7	7.2	2	58.4	7.5	2
R-3.79	EW 3.1	NB 3.3	Huntington	Residential	2	**70.4**	**70.6**	**71.6**	1.0	1.2	B(67)	A/E	--	--	--	**69.3**	2.3	0	**67.5**	4.1	0	65.6	6.0	2	63.7	7.9	2	62.6	9.0	2	61.5	10.1	2	61.8	9.8	2	62.0	9.6	2
R-3.80	EW 3.1	NB 3.3	Huntington	Residential	3	64.1	64.4	65.9	1.5	1.8	B(67)	--	--	--	--	64.2	1.7	0	63.6	2.3	0	62.7	3.2	0	61.3	4.6	0	60.3	5.6	3	59.7	6.2	3	59.3	6.6	3	58.9	7.0	3
R-3.81	EW 3.1	NB 3.3	Huntington	Residential	3	**69.0**	**69.3**	**70.4**	1.1	1.4	B(67)	A/E	--	--	--	**69.5**	0.9	0	**68.0**	2.4	0	**66.5**	3.9	0	64.4	6.0	3	63.1	7.3	3	62.4	8.0	3	62.3	8.1	3	63.9	6.5	3
R-3.82	EW 3.1	NB 3.3	Huntington	Residential	3	64.4	64.7	**68.3**	3.6	3.9	B(67)	A/E	--	--	--	65.1	3.2	0	64.4	3.9	0	63.5	4.8	0	62.2	6.1	3	61.3	7.0	3	60.8	7.5	3	60.4	7.9	3	60.0	8.3	3
R-3.83	EW 3.1	NB 3.3	Huntington	Residential	3	**69.2**	**69.5**	**71.5**	2.0	2.3	B(67)	A/E	--	--	--	**70.3**	1.2	0	**69.1**	2.4	0	**67.8**	3.7	0	65.7	5.8	3	64.2	7.3	3	63.5	8.0	3	63.2	8.3	3	64.4	7.1	3
R-3.84	EW 3.1	NB 3.3	Huntington	Residential	4	55.3	55.6	56.2	0.6	0.9	B(67)	--	--	--	--	56.1	0.1	0	55.5	0.7	0	54.9	1.3	0	54.0	2.2	0	53.4	2.8	0	52.8	3.4	0	52.6	3.6	0	52.3	3.9	0
R-3.85	EW 3.1	NB 3.3	Huntington	Residential	2	59.3	59.5	60.2	0.7	0.9	B(67)	--	--	--	--	60.0	0.2	0	59.5	0.7	0	59.0	1.2	0	58.4	1.8	0	57.8	2.4	0	56.7	3.5	0	57.1	3.1	0	56.8	3.4	0
R-3.86	EW 3.1	NB 3.3	Huntington	Residential	2	61.1	61.4	61.9	0.5	0.8	B(67)	--	--	--	--	61.3	0.6	0	60.7	1.2	0	59.7	2.2	0	57.6	4.3	0	56.2	5.7	2	55.4	6.5	2	54.8	7.1	2	54.4	7.5	2
R-3.87	EW 3.1	NB 3.3	Huntington	Residential	2	65.5	65.7	**66.3**	0.6	0.8	B(67)	A/E	--	--	--	65.2	1.1	0	64.0	2.3	0	62.9	3.4	0	60.8	5.5	2	59.5	6.8	2	59.1	7.2	2	61.4	4.9	0	60.3	6.0	2
R-3.88	EW 3.1	NB 3.3	Huntington	Residential	2	63.4	63.7	**66.9**	3.2	3.5	B(67)	A/E	--	--	--	63.3	3.6	0	62.3	4.6	0	61.1	5.8	2	59.5	7.4	2	58.2	8.7	2	57.4	9.5	2	56.8	10.1	2	56.2	10.7	2
R-3.89	EW 3.1	NB 3.3	Huntington	Residential	2	**68.0**	**68.2**	**69.3**	1.1	1.3	B(67)	A/E	--	--	--	**67.1**	2.2	0	65.3	4.0	0	63.8	5.5	2	62.1	7.2	2	60.8	8.5	2	59.7	9.6	2	60.5	8.8	2	59.4	9.9	2
R-3.90	EW 3.1	NB 3.3	Huntington	Residential	2	63.1	63.4	63.9	0.5	0.8	B(67)	--	--	--	--	62.5	1.4	0	61.7	2.2	0	60.7	3.2	0	58.9	5.0	2	57.6	6.3	2	57.0	6.9	2	56.4	7.5	2	55.9	8.0	2
R-3.91	EW 3.1	NB 3.3	Huntington	Residential	2	**69.6**	**69.8**	**70.3**	0.5	0.7	B(67)	A/E	--	--	--	**69.0**	1.3	0	**66.9**	3.4	0	65.3	5.0	2	62.9	7.4	2	61.2	9.1	2	60.4	9.9	2	61.9	8.4	2	61.2	9.1	2
R-3.92	EW 3.2*	NB 3.3	Van Buren	Residential	2	59.1	59.3	63.0	3.7	3.9	B(67)	--	62.3	0.7	0	61.5	1.5	0	60.6	2.4	0	59.8	3.2	0	59.4	3.6	0	58.7	4.3	0	58.3	4.7	0	58.0	5.0	2	57.8	5.2	2
R-3.93	EW 3.2*	NB 3.3	Van Buren	Park - Sports Area	1	58.6	58.8	64.0	5.2	5.4	C(67)	--	61.0	3.0	0	60.5	3.5	0	60.3	3.7	0	59.9	4.1	0	59.4	4.6	0	59.2	4.8	0	59.1	4.9	0	59.0	5.0	1	58.9	5.1	1
R-4.01	EW 4.1*	NB 4.1	Roosevelt	Residential	2	57.6	57.9	65.5	7.6	7.9	B(67)	--	62.0	3.5	0	60.6	4.9	0	59.6	5.9	2	57.5	8.0	2	56.1	9.4	2	55.1	10.4	2	54.3	11.2	2	53.8	11.7	2			
R-4.02	EW 4.1*	NB 4.1	Roosevelt	Residential	2	61.6	61.9	**66.4**	4.5	4.8	B(67)	A/E	65.5	0.9	0	64.9	1.5	0	63.9	2.5	0	63.9	2.5	0	61.4	5.0	2	59.7	6.7	2	58.7	7.7	2	58.0	8.4	2	57.8	8.6	2
R-4.03	EW 4.1*	NB 4.1	Roosevelt	Residential	1	62.8	63.2	64.1	0.9	1.3	B(67)	--	64.1	0.0	0	64.0	0.1	0	63.9	0.2	0	63.9	0.2	0	63.7	0.4	0	63.4	0.7	0	63.3	0.8	0	63.2	0.9	0	63.1	1.0	0
R-4.04	EW 4.1*	NB 4.1	Roosevelt	Residential	1	60.3	60.6	62.0	1.4	1.7	B(67)	--	61.9	0.1	0	61.8	0.2	0	61.6	0.4	0	61.6	0.4	0	61.2	0.8	0	60.8	1.2	0	60.5	1.5	0	60.4	1.6	0	60.3	1.7	0
R-4.05	EW 4.1*	NB 4.1	Roosevelt	Residential	2	59.0	59.4	60.4	1.0	1.4	B(67)	--	60.4	0.0	0	60.3	0.1	0	60.2	0.2	0	60.2	0.2	0	59.9	0.5	0	59.6	0.8	0	59.4	1.0	0	59.3	1.1	0	59.3	1.1	0
R-4.06	EW 4.1*	NB 4.1	Roosevelt	Residential	2	61.6	62.0	63.0	1.0	1.4	B(67)	--	62.9	0.1	0	62.8	0.2	0	62.7	0.3	0	62.5	0.5	0	62.4	0.6	0	62.1	0.9	0	61.9	1.1	0	61.8	1.2	0	61.8	1.2	0
R-4.07	EW 4.1*	NB 4.1	Roosevelt	Residential	1	59.3	59.6	60.5	0.9	1.2	B(67)	--	60.4	0.1	0	60.3	0.2	0	60.2	0.3	0	60.0	0.5	0	59.8	0.7	0	59.4	1.1	0	59.2	1.3	0	59.1	1.4	0	59.1	1.4	0
R-4.08	EW 4.1*	NB 4.1	Roosevelt	Residential	1	62.0	62.4	63.5	1.1	1.5	B(67)	--	63.4	0.1	0	63.3	0.2	0	63.2	0.3	0	63.0	0.5	0	62.7	0.8	0	62.3	1.2	0	62.1	1.4	0	61.9	1.6	0	61.8	1.7	0
R-4.09	EW 4.1*	NB 4.1	Roosevelt	Residential	1	57.8	58.2	63.3	5.1	5.5	B(67)	--	60.6	2.7	0	59.9	3.4	0	59.3	4.0	0	58.6	4.7	0	57.7	5.6	1	56.7	6.6	1	56.0	7.3	1	55.5	7.8	1	55.2	8.1	1
R-4.10	EW 4.1*	NB 4.1	Roosevelt	Residential	1	63.4	63.7	65.7	2.0	2.3	B(67)	--	64.7	1.0	0	64.5	1.2	0	64.4	1.3	0	64.2	1.5	0	64.1	1.6	0	63.9	1.8	0	63.8	1.9	0	63.8	1.9	0	63.7	2.0	0
R-4.11	EW 4.1*	NB 4.1	Roosevelt	Residential	1	64.9	65.4	**67.8**	2.4	2.9	B(67)	A/E	**67.3**	0.5	0	**66.6**	1.2	0	**66.3**	1.5	0	**66.0**	1.8	0	65.8	2.0	0	65.5	2.3	0	65.4	2.4	0	65.3	2.5	0	65.3	2.5	0
R-4.12	EW 4.1*	NB 4.1	Roosevelt	Residential	1	52.0	52.7	54.1	1.4	2.1	B(67)	--	54.0	0.1	0	53.8	0.3	0	53.6	0.5	0	53.1	1.0	0	52.8	1.3	0	52.4	1.7	0	52.0	2.1	0	51.7	2.4	0	51.5	2.6	0
R-4.13	EW 4.1*	NB 4.1	Roosevelt	Residential	1	55.8	56.3	57.4	1.1	1.6	B(67)	--	57.3	0.1	0	57.1	0.3	0	56.8	0.6	0	56.4	1.0	0	56.1	1.3	0	55.7	1.7	0	55.3	2.1	0	55.1	2.3	0	54.9	2.5	0
R-4.14	EW 4.1*	NB 4.1	Roosevelt	Residential	1	60.0	60.5	61.6	1.1	1.6	B(67)	--	61.3	0.3	0	61.0	0.6	0	60.7	0.9	0	60.3	1.3	0	60.0	1.6	0	59.7	1.9	0	59.4	2.2	0	59.2	2.4	0	59.5	2.1	0
R-4.15	EW 4.1*	NB 4.1	Roosevelt	Residential	1	54.2	55.1	55.8	0.7	1.6	B(67)	--	55.8	0.0	0	55.7	0.1	0	55.6	0.2	0	55.4	0.4	0	55.3	0.5	0	55.1	0.7	0	54.8	1.0	0	54.6	1.2	0	54.4	1.4	0
R-4.16	EW 4.1*	NB 4.1	Roosevelt	Residential	1	60.3	60.8	63.1	2.3	2.8	B(67)	--	61.8	1.3	0	61.6	1.5	0	61.5	1.6	0	61.3	1.8	0	61.2	1.9	0	61.1	2.0	0	61.0	2.1	0	60.9	2.2	0	60.9	2.2	0
R-4.17	EW 4.1*	NB 4.1	Roosevelt	Residential	1	63.5	64.3	**66.0**	1.7	2.5	B(67)	A/E	65.6	0.4	0	65.2	0.8	0	64.9	1.1	0	64.8	1.2	0	64.7	1.3	0	64.6	1.4	0	64.5	1.5	0	64.5	1.5	0	64.5	1.5	0
R-4.18	EW 4.1*	NB 4.1	Roosevelt	Residential	1	53.6	54.5	55.6	1.1	2.0	B(67)	--	55.2	0.4	0	54.9	0.7	0	54.6	1.0	0	54.4	1.2	0	54.0	1.6	0	53.6	2.0	0	53.2	2.4	0	53.0	2.6	0	52.9	2.7	0
R-4.19	EW 4.1*	NB 4.1	Roosevelt	Residential	1	57.1	57.4	62.5	5.1	5.4	B(67)	--	60.3	2.2	0	59.4	3.1	0	58.5	4.0	0	57.4	5.1	1	56.2	6.3	1	54.5	8.0	1	53.2	9.3	1	52.3	10.2	1	51.7	10.8	1
R-4.20	EW 4.1*	NB 4.1	Roosevelt	Residential	1	58.1	58.4	**66.6**	8.2	8.5	B(67)	A/E	62.8	3.8	0	61.2	5.4	1	60.0	6.6	1	58.2	8.4	1	57.0	9.6	1	55.5	11.1	1	54.4	12.2	1	53.5	13.1	1	52.7	13.9	1
R-4.21	EW 4.1*	NB 4.1	Roosevelt	Residential	1	54.8	55.1	57.1	2.0	2.3	B(67)	--	56.9	0.2	0	56.7	0.4	0	56.1	1.0	0	55.4	1.7	0	54.6	2.5	0	52.7	4.4	0	51.3	5.8	1	50.2	6.9	1	49.7	7.4	1
R-4.22	EW 4.1*	NB 4.1	Roosevelt	Residential	1	55.5	55.9	57.8	1.9	2.3	B(67)	--	57.6	0.2	0	57.4	0.4	0	56.9	0.9	0	56.2	1.6	0	55.4	2.4	0	53.9	3.9	0	52.8	5.0	1	52.1	5.7	1	51.8	6.0	1
R-4.23	EW 4.1*	NB 4.1	Roosevelt	Residential	2	58.9	59.2	64.5	5.3	5.6	B(67)	--	62.1	2.4	0	61.0	3.5	0	60.2	4.3	0	59.2	5.3	2	58.0	6.5	2	56.6	7.9	2	55.5	9.0	2	54.6	9.9	2	54.1	10.4	2
R-4.24	EW 4.1*	NB 4.1	Roosevelt	Residential	2	62.6	62.9	**66.1**	3.2	3.5	B(67)	A/E	65.4	0.7	0	64.7	1.4	0	63.3	2.8	0	62.3	3.8	0	61.2	4.9	0	59.6	6.5	2	58.6	7.5	2	58.0	8.1	2	57.5	8.6	2
R-4.25	EW 4.1*	NB 4.1	Roosevelt	Residential	2	60.6	60.9	65.8	4.9	5.2	B(67)	--	62.8	3.0	0	62.0	3.8	0	61.2	4.6	0	60.4	5.4	2	59.4	6.4	2	58.5	7.3	2	57.8	8.0	2	57.3	8.5	2	57.0	8.8	2
R-4.26	EW 4.1*	NB 4.1	Roosevelt	Residential	2	63.9	64.1	**68.1**	4.0	4.2	B(67)	A/E	**66.9**	1.2	0	65.5	2.6	0	64.3	3.8	0	63.1	5.0	2	62.2	5.9	2	60.9	7.2	2	60.2	7.9	2	59.7	8.4	2	59.5	8.6	2
R-4.27	EW 4.1*	NB 4.1	Roosevelt	Residential	1	60.4	60.7	**66.4**	5.7	6.0	B(67)	A/E	63.3	3.1	0	62.2	4.2	0	61.5	4.9	0	60.6	5.8	1	59.3	7.1	1	58.5	7.9	1	57.8	8.6	1	57.3	9.1	1	57.0	9.4	1
R-4.28	EW 4.1*	NB 4.1	Roosevelt	Residential	1	63.1	63.4	**68.3**	4.9	5.2	B(67)	A/E	**67.3**	1.0	0	65.7	2.6	0	64.4	3.9	0	63.2	5.1	1	62.3	6.0	1	60.9	7.4	1	60.2	8.1	1	59.7	8.6	1	59.7	8.6	1
R-4.29	EW 4.1*	NB 4.1	Roosevelt	Residential	1	60.5	60.8	**66.2**	5.4	5.7	B(67)	A/E	63.0	3.2	0	62.2	4.0	0	61.5	4.7	0	60.7	5.5	1	59.7	6.5	1	58.9	7.3	1	58.3	7.9	1	57.9	8.3	1	57.6	8.6	1
R-4.30	EW 4.1*	NB 4.1	Roosevelt	Residential	1	59.9	60.3	**66.0**	5.7	6.1	B(67)	A/E	62.4	3.6	0	61.6	4.4	0	61.0	5.0	1	60.2	5.8	1	59.2	6.8	1	58.4	7.6	1	57.8	8.2	1	57.4	8.6	1	57.1	8.9	1
R-4.31	EW 4.1*	NB 4.1	Roosevelt	Residential	1	62.5	62.9	**67.9**	5.0	5.4	B(67)	A/E	**66.5**	1.4	0	64.7	3.2	0	63.7	4.2	0	62.7	5.2	1	61.7	6.2	1	60.5	7.4	1	59.9	8.0	1	59.5	8.4	1	59.4	8.5	1
R-4.32	EW 4.1*	NB 4.1	Roosevelt	Residential	2	54.3	54.7	56.0	1.3	1.7	B(67)	--	55.8	0.2	0	55.4	0.6	0	54.7	1.3	0	53.9	2.1	0	53.0	3.0	0	52.1	3.9	0	51.2	4.8	0	50.6	5.4	2	49.8	6.2	2
R-4.33	EW 4.1*	NB 4.1	Roosevelt	Residential	2	61.4	61.7	62.8	1.1	1.4	B(67)	--	62.1	0.7	0	61.2	1.6	0	60.4	2.4	0	59.3	3.5	0	58.4	4.4	0	57.4	5.4	2	56.6	6.2	2	56.0	6.8	2	55.5	7.3	2
R-4.34	EW 4.1*	NB 4.1	Roosevelt	Swimming Pool	1	57.4	57.7	59.7	2.0	2.3	C(67)	--	59.0	0.7	0	58.4	1.3	0	57.7	2.0	0	56.9	2.8	0	56.0	3.7	0	55.2	4.5	0	54.5	5.2	1	54.0	5.7	1	53.7	6.0	1
R-4.35	EW 4.2	NB 4.1	Roosevelt	Residential	2	56.3	56.6	57.8	1.2	1.5	B(67)	--	57.5	0.3	0	56.9	0.9	0	56.0	1.8	0	55.1	2.7	0	53.8	4.0	0	52.4	5.4	2	51.1	6.7	2	50.2	7.6	2	49.5	8.3	2
R-4.36	EW 4.2	NB 4.1	Roosevelt	Residential	2	63.6	63.8	64.7	0.9	1.1	B(67)	--	64.2	0.5	0	63.0	1.7	0	61.6	3.1	0	60.3	4.4	0	58.8	5.9	2	57.5	7.2	2	56.4	8.3	2	55.5	9.2	2	54.9	9.8	2
R-4.37	EW 4.2	NB 4.1	Roosevelt	Residential	1	58.7	59.0	65.3	6.3	6.6	B(67)	--	61.7	3.6	0	60.5	4.8	0	59.6	5.7	1	58.1	7.2	1	57.0	8.3	1	55.9	9.4	1	55.0	10.3	1	54.3	11.0	1	53.6	11.7	1
R-4.38	EW 4.2	NB 4.1	Roosevelt	Residential	1	57.1	57.5	62.1	4.6	5.0	B(67)	--	59.1	3.0	0	58.3	3.8	0	57.5	4.6	0	56.2	5.9	1	55.1	7.0	1	54.1	8.0	1	53.4	8.7	1	52.8	9.3	1	52.3	9.8	1
R-4.39	EW 4.2	NB 4.1	Roosevelt	Residential	1	60.3	60.6	**66.7**	6.1	6.4	B(67)	A/E	63.1	3.6	0	61.8	4.9	0	60.6	6.1	1	59.0	7.7	1	57.6	9.1	1	56.4	10.3	1	55.4	11.3	1	54.7	12.0	1	54.1	12.6	1
R-4.40	EW 4.2	NB 4.1	Roosevelt	Residential	1	62.8	63.0	**67.2**	4.2	4.4	B(67)	A/E	65.8	1.4	0	64.7	2.5	0	62.7	4.5	0	61.0	6.2	1	59.5	7.7	1	57.9	9.3	1	56.8	10.4	1	56.1	11.1	1	55.4	11.8	1
R-4.41	EW 4.2	NB 4.1	Roosevelt	Residential	1	60.7	61.0	61.8	0.8	1.1	B(67)	--	61.3	0.5	0	59.7	2.1	0	58.7	3.1	0	57.8	4.0	0	56.5	5.3	1	55.4	6.4	1	54.3	7.5	1	53.6	8.2	1	53.1	8.7	1
R-4.42	EW 4.2	NB 4.1	Roosevelt	Residential	1	57.0	57.4	63.5	6.1	6.5	B(67)	--	60.3	3.2	0	59.2	4.3	0	58.4	5.1	1	57.4	6.1	1	56.0	7.5	1	55.2	8.3	1	54.4	9.1	1	53.5	10.0	1	53.0	10.5	1
R-4.43	EW 4.2	NB 4.1	Roosevelt	Residential	1	60.3	60.7	65.3	4.6	5.0	B(67)	--	64.4	0.9	0	63.5	1.8	0	61.8	3.5	0	60.7	4.6	0	59.8	5.5	1	58.6	6.7	1	57.5	7.8	1	56.8	8.5	1	56.2	9.1	1
R-4.44	EW 4.2	NB 4.1	Roosevelt	Residential	1	57.5	57.8	58.5	0.7	1.0	B(67)	--	58.2	0.3	0	57.8	0.7	0	57.3	1.2	0	56.4	2.1	0	55.8	2.7	0	55.2	3.3	0	54.7	3.8	0	54.1	4.4	0	53.6	4.9	0
R-4.45	EW 4.2	NB 4.1	Roosevelt	Residential	1	58.8	59.2	61.6	2.4	2.8	B(67)	--	60.2	1.4	0	59.5	2.1	0	59.0	2.6	0	58.0	3.6	0	57.1	4.5	0	56.3	5.3	1	55.8	5.8	1	55.4	6.2	1	55.0	6.6	1
R-4.46	EW 4.2	NB 4.1	Roosevelt	Residential	1	62.8	63.2	65.1	1.9	2.3	B(67)	--	64.5	0.6	0	63.2	1.9	0	62.0	3.1	0	61.0	4.1	0	60.0	5.1	1	58.8	6.3	1	58.2	6.9	1	57.8	7.3	1	57.8	7.3	1

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																							
													Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																							
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-4.47	EW 4.2	NB 4.1	Roosevelt	Residential	1	59.0	59.5	61.2	1.7	2.2	B(67)	--	60.4	0.8	0	60.0	1.2	0	59.5	1.7	0	58.8	2.4	0	57.9	3.3	0	57.2	4.0	0	56.7	4.5	0	56.4	4.8	0	56.2	5.0	1
R-4.48	EW 4.2	NB 4.1	Roosevelt	Residential	1	59.1	59.6	60.9	1.3	1.8	B(67)	--	60.3	0.6	0	59.8	1.1	0	59.2	1.7	0	58.3	2.6	0	57.4	3.5	0	56.7	4.2	0	56.2	4.7	0	55.8	5.1	1	55.5	5.4	1
R-4.49	EW 4.2	NB 4.1	Roosevelt	Residential	2	59.1	59.5	60.9	1.4	1.8	B(67)	--	60.1	0.8	0	59.6	1.3	0	59.0	1.9	0	58.0	2.9	0	57.2	3.7	0	56.6	4.3	0	56.1	4.8	0	55.7	5.2	2	55.3	5.6	2
R-4.50	EW 4.2	NB 4.1	Roosevelt	Residential	2	63.5	63.8	64.9	1.1	1.4	B(67)	--	64.2	0.7	0	62.8	2.1	0	61.8	3.1	0	61.0	3.9	0	60.0	4.9	0	59.1	5.8	2	58.5	6.4	2	58.1	6.8	2	58.0	6.9	2
R-4.51	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.5	60.9	61.7	0.8	1.2	B(67)	--	61.2	0.5	0	60.6	1.1	0	59.6	2.1	0	58.5	3.2	0	57.7	4.0	0	57.0	4.7	0	56.4	5.3	2	55.9	5.8	2	55.6	6.1	2
R-4.52	EW 4.2	NB 4.1	Roosevelt	Residential	2	64.7	65.0	65.8	0.8	1.1	B(67)	--	65.2	0.6	0	63.7	2.1	0	62.4	3.4	0	61.3	4.5	0	60.2	5.6	2	59.2	6.6	2	58.6	7.2	2	58.3	7.5	2	58.1	7.7	2
R-4.53	EW 4.2	NB 4.1	Roosevelt	Residential	2	56.7	57.1	58.8	1.7	2.1	B(67)	--	57.8	1.0	0	57.5	1.3	0	57.0	1.8	0	56.3	2.5	0	55.5	3.3	0	54.4	4.4	0	53.4	5.4	2	52.3	6.5	2	51.7	7.1	2
R-4.54	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.3	60.6	61.2	0.6	0.9	B(67)	--	61.1	0.1	0	60.9	0.3	0	60.4	0.8	0	59.6	1.6	0	58.6	2.6	0	57.3	3.9	0	55.7	5.5	2	54.5	6.7	2	53.7	7.5	2
R-4.55	EW 4.2	NB 4.1	Roosevelt	Residential	2	55.4	55.7	56.3	0.6	0.9	B(67)	--	56.3	0.0	0	56.2	0.1	0	56.0	0.3	0	55.4	0.9	0	54.4	1.9	0	52.8	3.5	0	50.3	6.0	2	48.6	7.7	2	47.7	8.6	2
R-4.56	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.7	61.0	61.6	0.6	0.9	B(67)	--	61.6	0.0	0	61.5	0.1	0	61.1	0.5	0	60.5	1.1	0	59.5	2.1	0	57.8	3.8	0	55.7	5.9	2	54.2	7.4	2	53.4	8.2	2
R-4.57	EW 4.2	NB 4.1	Roosevelt	Residential	2	57.4	57.8	59.7	1.9	2.3	B(67)	--	58.4	1.3	0	57.6	2.1	0	56.9	2.8	0	56.2	3.5	0	55.6	4.1	0	55.0	4.7	0	54.6	5.1	2	54.1	5.6	2	53.7	6.0	2
R-4.58	EW 4.2	NB 4.1	Roosevelt	Residential	2	61.5	61.8	63.2	1.4	1.7	B(67)	--	62.4	0.8	0	61.2	2.0	0	60.2	3.0	0	59.1	4.1	0	58.5	4.7	0	58.1	5.1	2	57.6	5.6	2	57.0	6.2	2	56.3	6.9	2
R-4.59	EW 4.2	NB 4.1	Roosevelt	Residential	2	58.2	58.6	59.1	0.5	0.9	B(67)	--	59.0	0.1	0	58.7	0.4	0	58.0	1.1	0	57.4	1.7	0	56.7	2.4	0	55.6	3.5	0	54.7	4.4	0	54.0	5.1	2	53.5	5.6	2
R-4.60	EW 4.2	NB 4.1	Roosevelt	Residential	2	63.6	63.9	64.4	0.5	0.8	B(67)	--	64.1	0.3	0	63.3	1.1	0	62.2	2.2	0	61.2	3.2	0	60.1	4.3	0	58.8	5.6	2	57.7	6.7	2	56.8	7.6	2	56.2	8.2	2
R-4.61	EW 4.2	NB 4.1	Roosevelt	Residential	2	57.6	57.9	58.4	0.5	0.8	B(67)	--	58.1	0.3	0	57.5	0.9	0	56.7	1.7	0	55.8	2.6	0	54.9	3.5	0	53.8	4.6	0	52.9	5.5	2	52.2	6.2	2	51.6	6.8	2
R-4.62	EW 4.2	NB 4.1	Roosevelt	Residential	2	59.6	59.9	60.4	0.5	0.8	B(67)	--	60.4	0.0	0	60.4	0.0	0	60.1	0.3	0	59.7	0.7	0	58.9	1.5	0	57.3	3.1	0	55.6	4.8	0	53.9	6.5	2	52.9	7.5	2
R-4.63	EW 4.2	NB 4.1	Roosevelt	Residential	1	64.9	65.2	65.9	0.7	1.0	B(67)	--	65.0	0.9	0	63.6	2.3	0	61.7	4.2	0	60.2	5.7	1	59.2	6.7	1	58.2	7.7	1	57.3	8.6	1	56.6	9.3	1	56.0	9.9	1
R-4.64	EW 4.2	NB 4.1	Roosevelt	Residential	1	**70.6**	**70.9**	**71.2**	0.3	0.6	B(67)	A/E	**70.9**	0.3	0	**69.9**	1.3	0	**68.1**	3.1	0	65.5	5.7	1	63.6	7.6	1	61.5	9.7	1	60.3	10.9	1	59.1	12.1	1	58.3	12.9	1
R-4.65	EW 4.2	NB 4.1	Roosevelt	Residential	1	64.1	64.4	65.4	1.0	1.3	B(67)	--	64.4	1.0	0	63.2	2.2	0	62.0	3.4	0	60.6	4.8	0	59.6	5.8	1	58.5	6.9	1	57.5	7.9	1	56.7	8.7	1	56.0	9.4	1
R-4.66	EW 4.2	NB 4.1	Roosevelt	Residential	1	57.8	58.3	58.8	0.5	1.0	B(67)	--	58.5	0.3	0	57.8	1.0	0	57.2	1.6	0	56.3	2.5	0	55.5	3.3	0	54.7	4.1	0	54.0	4.8	0	53.4	5.4	1	53.1	5.7	1
R-4.67	EW 4.2	NB 4.1	Roosevelt	Residential	1	59.6	60.1	60.4	0.3	0.8	B(67)	--	60.4	0.0	0	60.2	0.2	0	60.0	0.4	0	59.5	0.9	0	58.8	1.6	0	58.2	2.2	0	57.4	3.0	0	56.5	3.9	0	55.9	4.5	0
R-4.68	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.5	61.2	61.7	0.5	1.2	B(67)	--	61.5	0.2	0	61.0	0.7	0	60.4	1.3	0	59.8	1.9	0	58.7	3.0	0	58.0	3.7	0	57.5	4.2	0	57.2	4.5	0	56.9	4.8	0
R-4.69	EW 4.2	NB 4.1	Roosevelt	Residential	2	63.8	64.3	64.8	0.5	1.0	B(67)	--	64.6	0.2	0	64.0	0.8	0	63.4	1.4	0	62.7	2.1	0	61.8	3.0	0	60.9	3.9	0	60.1	4.7	0	59.2	5.6	2	58.4	6.4	2
R-4.70	EW 4.2	NB 4.1	Roosevelt	Residential	2	61.5	62.1	62.6	0.5	1.1	B(67)	--	62.3	0.3	0	61.6	1.0	0	60.9	1.7	0	60.0	2.6	0	59.1	3.5	0	58.4	4.2	0	57.9	4.7	0	57.5	5.1	2	57.2	5.4	2
R-4.71	EW 4.2	NB 4.1	Roosevelt	Residential	2	**66.5**	**66.9**	**67.3**	0.4	0.8	B(67)	A/E	**67.0**	0.3	0	**66.2**	1.1	0	64.8	2.5	0	63.7	3.6	0	62.6	4.7	0	61.5	5.8	2	60.4	6.9	2	59.4	7.9	2	58.7	8.6	2
R-4.72	EW 4.2	NB 4.1	Monroe	Residential	2	56.9	57.3	58.1	0.8	1.2	B(67)	--	57.7	0.4	0	57.3	0.8	0	56.5	1.6	0	55.9	2.2	0	55.2	2.9	0	54.6	3.5	0	54.1	4.0	0	53.7	4.4	0	53.3	4.8	0
R-4.73	EW 4.2	NB 4.1	Monroe	Residential	4	55.6	56.1	57.0	0.9	1.4	B(67)	--	56.5	0.5	0	56.1	0.9	0	55.5	1.5	0	54.9	2.1	0	54.2	2.8	0	53.6	3.4	0	53.1	3.9	0	52.7	4.3	0	52.3	4.7	0
R-4.74	EW 4.2	NB 4.1	Monroe	Residential	2	54.5	54.8	55.4	0.6	0.9	B(67)	--	55.0	0.4	0	53.9	1.5	0	53.1	2.3	0	52.3	3.1	0	51.6	3.8	0	51.0	4.4	0	50.4	5.0	2	50.1	5.3	2	50.0	5.4	2
R-4.75	EW 4.2	NB 4.1	Monroe	Residential	4	50.8	51.1	51.8	0.7	1.0	B(67)	--	51.5	0.3	0	50.7	1.1	0	50.2	1.6	0	49.9	1.9	0	49.6	2.2	0	49.2	2.6	0	48.9	2.9	0	48.7	3.1	0	48.6	3.2	0
R-4.76	EW 4.2	NB 4.1	Monroe	Residential	1	54.1	54.5	55.4	0.9	1.3	B(67)	--	55.0	0.4	0	54.7	0.7	0	54.3	1.1	0	54.0	1.4	0	53.6	1.8	0	53.2	2.2	0	52.9	2.5	0	52.3	3.1	0	52.2	3.2	0
R-4.77	EW 4.2	NB 4.1	Monroe	Residential	1	57.6	58.2	58.9	0.7	1.3	B(67)	--	58.6	0.3	0	58.0	0.9	0	57.6	1.3	0	57.4	1.5	0	57.0	1.9	0	56.7	2.2	0	56.4	2.5	0	56.2	2.7	0	55.9	3.0	0
R-4.78	EW 4.2	NB 4.1	Monroe	Residential	2	56.5	56.8	57.5	0.7	1.0	B(67)	--	57.0	0.5	0	56.1	1.4	0	54.6	2.9	0	53.8	3.7	0	53.1	4.4	0	52.6	4.9	0	52.0	5.5	2	51.4	6.1	2	50.9	6.6	2
R-4.79	EW 4.2	NB 4.1	Monroe	Residential	3	53.1	53.4	54.0	0.6	0.9	B(67)	--	53.7	0.3	0	53.3	0.7	0	51.9	2.1	0	51.3	2.7	0	50.9	3.1	0	50.5	3.5	0	50.1	3.9	0	49.7	4.3	0	49.2	4.8	0
R-4.80	EW 4.2	NB 4.1	Monroe	Residential	2	58.4	58.7	59.4	0.7	1.0	B(67)	--	58.9	0.5	0	57.0	2.4	0	55.8	3.6	0	54.8	4.6	0	54.0	5.4	2	53.4	6.0	2	52.8	6.6	2	52.3	7.1	2	52.0	7.4	2
R-4.81	EW 4.2	NB 4.1	Monroe	Residential	4	55.4	55.7	56.5	0.8	1.1	B(67)	--	55.7	0.8	0	54.3	2.2	0	53.4	3.1	0	52.5	4.0	0	51.9	4.6	0	51.4	5.1	4	50.9	5.6	4	50.6	5.9	4	50.1	6.4	4
R-4.82	EW 4.2	NB 4.1	Monroe	Residential	1	56.8	57.2	57.8	0.6	1.0	B(67)	--	57.5	0.3	0	56.8	1.0	0	55.6	2.2	0	54.8	3.0	0	54.0	3.8	0	53.4	4.4	0	53.0	4.8	0	52.6	5.2	1	52.1	5.7	1
R-4.83	EW 4.2	NB 4.1	Monroe	Residential	1	61.2	61.6	62.2	0.6	1.0	B(67)	--	61.3	0.9	0	60.5	1.7	0	59.3	2.9	0	58.4	3.8	0	57.6	4.6	0	57.1	5.1	1	56.7	5.5	1	56.6	5.6	1	56.3	5.9	1
R-4.84	EW 4.2	NB 4.1	Monroe	Residential	2	60.8	61.0	61.8	0.8	1.0	B(67)	--	60.9	0.9	0	59.3	2.5	0	57.9	3.9	0	56.1	5.7	2	55.1	6.7	2	54.2	7.6	2	53.5	8.3	2	52.9	8.9	2	52.2	9.6	2
R-4.85	EW 4.2	NB 4.1	Monroe	Residential	3	55.3	55.6	56.4	0.8	1.1	B(67)	--	55.7	0.7	0	54.5	1.9	0	53.4	3.0	0	52.1	4.3	0	51.4	5.0	3	50.8	5.6	3	50.5	5.9	3	49.9	6.5	3	49.4	7.0	3
R-4.86	EW 4.2	NB 4.1	Monroe	Residential	2	61.4	61.7	63.1	1.4	1.7	B(67)	--	62.1	1.0	0	61.1	2.0	0	60.1	3.0	0	59.2	3.9	0	57.9	5.2	2	57.1	6.0	2	56.4	6.7	2	55.8	7.3	2	55.2	7.9	2
R-4.87	EW 4.2	NB 4.1	Monroe	Residential	3	60.3	60.6	62.4	1.8	2.1	B(67)	--	61.0	1.4	0	60.1	2.3	0	59.2	3.2	0	58.3	4.1	0	57.1	5.3	3	56.3	6.1	3	55.7	6.7	3	55.2	7.2	3	54.7	7.7	3
R-4.88	EW 4.2	NB 4.1	Monroe	Residential	1	62.6	63.0	64.0	1.0	1.4	B(67)	--	63.2	0.8	0	62.0	2.0	0	61.1	2.9	0	60.2	3.8	0	59.1	4.9	0	58.3	5.7	1	57.6	6.4	1	56.8	7.2	1	56.2	7.8	1
R-4.89	EW 4.2	NB 4.1	Monroe	Residential	1	65.9	**66.3**	**67.1**	0.8	1.2	B(67)	A/E	**66.6**	0.5	0	65.8	1.3	0	64.1	3.0	0	63.1	4.0	0	62.4	4.7	0	61.3	5.8	1	60.4	6.7	1	60.1	7.0	1	60.2	6.9	1
R-4.90	EW 4.2	NB 4.1	Monroe	Residential	1	60.3	60.8	62.3	1.5	2.0	B(67)	--	61.5	0.8	0	60.5	1.8	0	60.0	2.3	0	59.4	2.9	0	58.5	3.8	0	57.9	4.4	0	57.2	5.1	1	56.4	5.9	1	55.9	6.4	1
R-4.91	EW 4.2	NB 4.1	Monroe	Residential	1	64.4	64.8	**66.2**	1.4	1.8	B(67)	A/E	65.1	1.1	0	64.3	1.9	0	63.2	3.0	0	62.4	3.8	0	61.9	4.3	0	61.0	5.2	1	60.3	5.9	1	60.1	6.1	1	60.2	6.0	1
R-4.92	EW 4.2	NB 4.1	Monroe	Residential	2	57.7	58.1	58.6	0.5	0.9	B(67)	--	58.6	0.0	0	58.5	0.1	0	57.9	0.7	0	57.1	1.5	0	56.4	2.2	0	55.2	3.4	0	53.8	4.8	0	52.4	6.2	2	51.6	7.0	2
R-4.93	EW 4.2	NB 4.1	Monroe	Residential	2	60.8	61.2	61.7	0.5	0.9	B(67)	--	61.7	0.0	0	61.7	0.0	0	61.5	0.2	0	61.1	0.6	0	60.3	1.4	0	58.9	2.8	0	57.4	4.3	0	56.1	5.6	2	55.4	6.3	2
R-4.94	EW 4.2	NB 4.1	Monroe	Residential	2	55.9	56.3	57.3	1.0	1.4	B(67)	--	57.0	0.3	0	56.9	0.4	0	56.6	0.7	0	56.2	1.1	0	55.4	1.9	0	54.3	3.0	0	53.2	4.1	0	52.3	5.0	2	51.7	5.6	2
R-4.95	EW 4.2	NB 4.1	Monroe	Residential	2	62.5	62.9	63.4	0.5	0.9	B(67)	--	63.2	0.2	0	62.8	0.6	0	61.9	1.5	0	61.0	2.4	0	60.1	3.3	0	58.8	4.6	0	57.4	6.0	2	56.3	7.1	2	55.6	7.8	2
R-4.96		NB 4.1	Monroe	Residential	2	56.5	56.9	57.8	0.9	1.3	B(67)	--	57.6	0.2	0	57.5	0.3	0	57.3	0.5	0	56.8	1.0	0	56.1	1.7	0	54.9	2.9	0	53.7	4.1	0	52.7	5.1	2	52.0	5.8	2
R-4.97		NB 4.1	Monroe	Residential	2	61.2	61.6	62.3	0.7	1.1	B(67)	--	62.2	0.1	0	62.0	0.3	0	61.6	0.7	0	61.1	1.2	0	60.3	2.0	0	59.0	3.3	0	57.5	4.8	0	56.3	6.0	2	55.6	6.7	2
R-4.98		NB 4.1	Monroe	Residential	2	58.6	59.0	59.6	0.6	1.0	B(67)	--	59.6	0.0	0	59.5	0.1	0	58.1	1.5	0	57.6	2.0	0	56.7	2.9	0	55.6	4.0	0	54.5	5.1	2	53.7	5.9	2	53.2	6.4	2
R-4.99		NB 4.1	Monroe	Residential	2	61.7	62.1	62.7	0.6	1.0	B(67)	--	62.7	0.0	0	62.7	0.0	0	62.6	0.1	0	62.2	0.5	0	61.5	1.2	0	59.8	2.9	0	58.1	4.6	0	56.8	5.9	2	56.1	6.6	2
R-4.100		NB 4.1	Monroe	Residential	2	55.3	55.7	56.5	0.8	1.2	B(67)	--	56.4	0.1	0	56.4	0.1	0	56.2	0.3	0	55.8	0.7	0	55.1	1.4	0	53.9	2.6	0	52.8	3.7	0	51.7	4.8	0	51.0	5.5	2
R-4.101		NB 4.1	Monroe	Residential	2	60.9	61.3	62.0	0.7	1.1	B(67)	--	62.0	0.0	0	61.9	0.1	0	61.6	0.4	0	61.1	0.9	0	60.3	1.7	0	59.0	3.0	0	57.7	4.3	0	56.5	5.5	2	55.9	6.1	2
R-4.102		NB 4.1	Monroe	Residential	2	53.3	53.8	54.5	0.7	1.2	B(67)	--	54.5	0.0	0	54.5	0.0	0	54.4	0.1	0	54.1	0.4	0	53.5	1.0	0	52.5	2.0	0	51.6	2.9	0	50.6	3.9	0	50.0	4.5	0
R-4.103		NB 4.1	Monroe	Residential	2	60.2	60.6	61.2	0.6	1.0	B(67)	--	61.2	0.0	0	61.2	0.0	0	61.1	0.1	0	60.7	0.5	0	60.0	1.2	0	58.6	2.6	0	57.4	3.8	0	56.2	5.0	2	55.6	5.6	2
R-4.104		NB 4.1	Monroe	Residential	2	55.5	56.0	56.7	0.7	1.2	B(67)	--	56.6	0.1	0	56.6	0.1	0	56.5	0.2	0	56.2	0.5	0	55.6	1.1	0	54.6	2.1	0	53.5	3.2	0	52.4	4.3	0	51.6	5.1	2
R-4.105		NB 4.1	Monroe	Residential	2	60.1	60.7	61.2	0.5	1.1	B(67)	--	61.2	0.0	0	61.2	0.0	0	61.1	0.1	0	60.8	0.4	0	60.2	1.0	0	58.9	2.3	0	57.8	3.4	0	56.8	4.4	0	56.2	5.0	2
R-4.106		NB 4.1	Monroe	Residential	2	59.3	59.7	60.4	0.7	1.1	B(67)	--	58.3	2.1	0	58.0	2.4	0	57.8	2.6	0	57.4	3.0	0	56.8	3.6	0	55.9	4.5	0	55.0	5.4	2	54.0	6.4	2	53.3	7.1	2
R-4.107		NB 4.1	Monroe	Residential	2	65.1	65.5	**66.1**	0.6	1.0	B(67)	A/E	**66.1**	0.0	0	65.1	1.0	0	63.7	2.4	0	62.2	3.9	0	61.3	4.8	0	60.0	6.1	2	59.0	7.1	2	58.0	8.1	2	57.4	8.7	2
R-4.108		NB 4.1	Monroe	Residential	2	56.8	57.2	57.9	0.7	1.1	B(67)	--	57.4	0.5	0	57.3	0.6	0	57.3	0.6	0	57.1	0.8	0	56.6	1.3	0	55.8	2.1	0	54.8	3.1	0	53.8	4.1	0	53.2	4.7	0
R-4.109		NB 4.1	Monroe	Residential	2	62.1	62.5	63.1	0.6	1.0	B(67)	--	63.1	0.0	0	62.9	0.2	0	62.7	0.4	0	62.2	0.9	0	61.7	1.4	0	60.6	2.5	0	59.5	3.6	0	58.4	4.7	0	57.6	5.5	2

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																															
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-4.110		NB 4.1	Monroe	Residential	2	54.5	55.0	55.8	0.8	1.3	B(67)	--	55.8	0.0	0	55.8	0.0	0	55.8	0.0	0	55.6	0.2	0	55.3	0.5	0	54.4	1.4	0	53.3	2.5	0	52.1	3.7	0	51.3	4.5	0
R-4.111		NB 4.1	Monroe	Residential	2	60.1	60.6	61.3	0.7	1.2	B(67)	--	61.3	0.0	0	61.2	0.1	0	61.2	0.1	0	61.0	0.3	0	60.6	0.7	0	59.7	1.6	0	58.4	2.9	0	57.3	4.0	0	56.4	4.9	0
R-4.112		NB 4.1	Monroe	Residential	2	63.6	63.9	61.2	-2.7	-2.4	B(67)	--	61.2	0.0	0	61.2	0.0	0	61.2	0.0	0	60.6	0.6	0	59.0	2.2	0	57.6	3.6	0	56.4	4.8	0	55.2	6.0	2	54.2	7.0	2
R-4.113		NB 4.1	Monroe	Residential	2	65.0	65.3	**66.3**	1.0	1.3	B(67)	A/E	**66.3**	0.0	0	**66.3**	0.0	0	**66.3**	0.0	0	65.1	1.2	0	62.9	3.4	0	61.1	5.2	2	59.5	6.8	2	57.6	8.7	2	56.6	9.7	2
R-4.114		NB 4.1	Monroe	Residential	3	59.0	59.4	60.1	0.7	1.1	B(67)	--	59.2	0.9	0	58.9	1.2	0	58.5	1.6	0	58.0	2.1	0	57.3	2.8	0	56.3	3.8	0	55.2	4.9	0	54.0	6.1	3	53.3	6.8	3
R-4.115		NB 4.1	Monroe	Residential	2	62.2	62.7	63.1	0.4	0.9	B(67)	--	63.1	0.0	0	62.5	0.6	0	61.8	1.3	0	61.2	1.9	0	60.7	2.4	0	59.7	3.4	0	58.8	4.3	0	57.9	5.2	2	57.4	5.7	2
R-4.116		NB 4.1	Monroe	Residential	2	61.7	62.2	62.7	0.5	1.0	B(67)	--	62.6	0.1	0	62.0	0.7	0	61.6	1.1	0	61.1	1.6	0	60.6	2.1	0	59.8	2.9	0	59.0	3.7	0	59.0	3.7	0	59.0	3.7	0
R-4.117		NB 4.1	Monroe	Residential	3	59.2	59.6	60.1	0.5	0.9	B(67)	--	59.4	0.7	0	59.0	1.1	0	58.7	1.4	0	58.2	1.9	0	57.5	2.6	0	56.5	3.6	0	55.5	4.6	0	55.5	4.6	0	55.5	4.6	0
R-4.118		NB 4.1	Monroe	Residential	2	61.7	62.2	62.6	0.4	0.9	B(67)	--	62.6	0.0	0	62.0	0.6	0	61.7	0.9	0	61.3	1.3	0	60.9	1.7	0	60.1	2.5	0	59.3	3.3	0	59.3	3.3	0	59.3	3.3	0
R-4.119		NB 4.1	Monroe	Residential	2	58.0	58.4	59.0	0.6	1.0	B(67)	--	58.8	0.2	0	58.8	0.2	0	58.6	0.4	0	58.2	0.8	0	57.7	1.3	0	56.6	2.4	0	55.6	3.4	0	55.6	3.4	0	55.6	3.4	0
R-4.120		NB 4.1	Monroe	Residential	2	58.2	58.7	59.1	0.4	0.9	B(67)	--	59.1	0.0	0	59.1	0.0	0	58.9	0.2	0	58.5	0.6	0	57.9	1.2	0	56.8	2.3	0	55.9	3.2	0	55.9	3.2	0	55.9	3.2	0
R-4.121		NB 4.1	Monroe	Residential	2	61.6	62.1	62.7	0.6	1.1	B(67)	--	62.6	0.1	0	62.4	0.3	0	62.2	0.5	0	61.8	0.9	0	61.3	1.4	0	60.6	2.1	0	59.8	2.9	0	59.8	2.9	0	59.8	2.9	0
R-4.122		NB 4.1	Monroe	Residential	2	62.1	62.6	63.2	0.6	1.1	B(67)	--	63.2	0.0	0	63.2	0.0	0	62.8	0.4	0	62.4	0.8	0	61.8	1.4	0	61.1	2.1	0	60.3	2.9	0	60.3	2.9	0	60.3	2.9	0
R-4.123		NB 4.1	Monroe	Residential	2	65.4	65.8	**66.5**	0.7	1.1	B(67)	A/E	**66.5**	0.0	0	**66.3**	0.2	0	65.1	1.4	0	63.5	3.0	0	62.7	3.8	0	61.5	5.0	2	60.3	6.2	2	60.3	6.2	2	60.3	6.2	2
R-4.124		NB 4.1	Monroe	Residential	2	63.2	63.7	64.3	0.6	1.1	B(67)	--	64.3	0.0	0	64.1	0.2	0	63.6	0.7	0	63.0	1.3	0	62.4	1.9	0	61.4	2.9	0	60.3	4.0	0	60.3	4.0	0	60.3	4.0	0
R-4.125		NB 4.1	Monroe	Residential	2	59.6	60.0	60.9	0.9	1.3	B(67)	--	60.6	0.3	0	60.2	0.7	0	59.7	1.2	0	59.3	1.6	0	58.7	2.2	0	57.8	3.1	0	56.8	4.1	0	56.8	4.1	0	56.8	4.1	0
R-4.126		NB 4.1	Monroe	Residential	2	59.4	59.8	60.7	0.9	1.3	B(67)	--	60.3	0.4	0	60.0	0.7	0	59.7	1.0	0	59.4	1.3	0	58.9	1.8	0	58.0	2.7	0	57.0	3.7	0	57.0	3.7	0	57.0	3.7	0
R-4.127		NB 4.1	Monroe	Residential	2	59.4	59.9	60.9	1.0	1.5	B(67)	--	60.2	0.7	0	60.1	0.8	0	60.0	0.9	0	59.8	1.1	0	59.4	1.5	0	58.7	2.2	0	57.9	3.0	0	57.9	3.0	0	57.9	3.0	0
R-4.128		NB 4.1	Monroe	Residential	2	60.1	60.9	61.4	0.5	1.3	B(67)	--	61.1	0.3	0	61.1	0.3	0	61.0	0.4	0	60.9	0.5	0	60.6	0.8	0	60.1	1.3	0	59.5	1.9	0	59.5	1.9	0	59.5	1.9	0
R-4.129		NB 4.1	Monroe	Residential	2	62.6	63.1	63.8	0.7	1.2	B(67)	--	63.8	0.0	0	63.7	0.1	0	63.5	0.3	0	63.3	0.5	0	62.8	1.0	0	62.0	1.8	0	61.0	2.8	0	61.0	2.8	0	61.0	2.8	0
R-4.130		NB 4.1	Monroe	Residential	2	62.7	63.3	64.0	0.7	1.3	B(67)	--	64.0	0.0	0	63.9	0.1	0	63.7	0.3	0	63.5	0.5	0	62.9	1.1	0	62.1	1.9	0	61.5	2.5	0	61.5	2.5	0	61.5	2.5	0
R-4.131		NB 4.1	Monroe	Residential	2	61.4	62.1	62.7	0.6	1.3	B(67)	--	62.7	0.0	0	62.5	0.2	0	62.3	0.4	0	62.1	0.6	0	61.8	0.9	0	61.4	1.3	0	61.2	1.5	0	61.2	1.5	0	61.2	1.5	0
R-4.132		NB 4.1	Monroe	Residential	1	59.6	59.9	59.5	-0.4	-0.1	B(67)	--	59.3	0.2	0	59.3	0.2	0	59.2	0.3	0	58.9	0.6	0	58.2	1.3	0	56.9	2.6	0	55.4	4.1	0	55.4	4.1	0	55.4	4.1	0
R-4.133		NB 4.1	Monroe	Residential	2	65.3	65.6	**67.0**	1.4	1.7	B(67)	A/E	**67.0**	0.0	0	**67.0**	0.0	0	**67.0**	0.0	0	**67.0**	0.0	0	**66.9**	0.1	0	65.4	1.6	0	63.1	3.9	0	63.1	3.9	0	63.1	3.9	0
R-4.134		NB 4.1	Monroe	Residential	3	59.0	60.1	60.4	0.3	1.4	B(67)	--	60.4	0.0	0	60.3	0.1	0	60.3	0.1	0	60.3	0.1	0	60.2	0.2	0	60.1	0.3	0	59.9	0.5	0	59.9	0.5	0	59.9	0.5	0
R-4.135			Trabuco Road	Retail/Office	1	62.9	63.3	64.1	0.8	1.2	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.136			Westmoreland	Residential	1	62.5	63.2	64.8	1.6	2.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.137			Westmoreland	Residential	2	63.2	63.9	65.5	1.6	2.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.138	EW 4.3*	NB 4.2	Shadwell	Residential	1	63.0	63.8	**66.1**	2.3	3.1	B(67)	A/E	64.5	1.6	0	64.2	1.9	0	64.0	2.1	0	63.7	2.4	0	63.6	2.5	0	63.5	2.6	0	63.4	2.7	0	63.4	2.7	0	63.3	2.8	0
R-4.139	EW 4.3*	NB 4.2	Henry	Residential	1	59.0	59.8	62.5	2.7	3.5	B(67)	--	61.0	1.5	0	60.6	1.9	0	60.3	2.2	0	59.9	2.6	0	59.7	2.8	0	59.6	2.9	0	59.5	3.0	0	59.4	3.1	0	59.4	3.1	0
R-4.140	EW 4.3*	NB 4.2	Henry	Residential	2	58.2	59.4	62.3	2.9	4.1	B(67)	--	60.4	1.9	0	59.9	2.4	0	59.6	2.7	0	59.1	3.2	0	58.9	3.4	0	58.8	3.5	0	58.7	3.6	0	58.6	3.7	0	58.5	3.8	0
R-4.141	EW 4.3*	NB 4.2	Henry	Residential	2	57.6	58.8	62.1	3.3	4.5	B(67)	--	60.1	2.0	0	59.6	2.5	0	59.2	2.9	0	58.7	3.4	0	58.6	3.5	0	58.4	3.7	0	58.3	3.8	0	58.2	3.9	0	58.2	3.9	0
R-4.142	EW 4.3*	NB 4.2	Mosby	Residential	2	61.2	61.6	65.6	4.0	4.4	B(67)	--	63.6	2.0	0	63.2	2.4	0	62.8	2.8	0	62.4	3.2	0	62.3	3.3	0	62.2	3.4	0	62.1	3.5	0	62.0	3.6	0	61.9	3.7	0
R-4.143	EW 4.3*	NB 4.2	Mosby	Residential	2	58.0	58.5	62.9	4.4	4.9	B(67)	--	60.7	2.2	0	60.2	2.7	0	59.6	3.3	0	59.2	3.7	0	58.9	4.0	0	58.8	4.1	0	58.6	4.3	0	58.5	4.4	0	58.4	4.5	0
R-4.144	EW 4.3*	NB 4.2	Mosby	Residential	2	57.6	57.9	62.8	4.9	5.2	B(67)	--	60.3	2.5	0	59.7	3.1	0	59.3	3.5	0	58.6	4.2	0	58.4	4.4	0	58.2	4.6	0	58.0	4.8	0	57.9	4.9	0	57.8	5.0	2
R-4.145	EW 4.4	NB 4.2	Pierce	Residential	2	60.7	61.2	63.3	2.1	2.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61.4	1.9	0	61.4	1.9	0	61.4	1.9	0
R-4.146	EW 4.4	NB 4.2	Pierce	Residential	2	60.4	60.7	64.5	3.8	4.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60.9	3.6	0	60.7	3.8	0	60.6	3.9	0
R-4.147	EW 4.4	NB 4.2	Pierce	Residential	2	59.6	59.8	63.5	3.7	3.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60.0	3.5	0	59.8	3.7	0	59.7	3.8	0
R-4.148	EW 4.5	NB 4.2	Pierce	Residential	2	64.4	64.7	65.9	1.2	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.9	0.0	0	65.9	0.0	0	65.9	0.0	0
R-4.149	EW 4.5	NB 4.2	Phillipsburg	Residential	2	65.9	**66.3**	**67.1**	0.8	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.1**	0.0	0	**67.1**	0.0	0	**67.1**	0.0	0
R-4.150	EW 4.5	NB 4.2	Phillipsburg	Residential	1	65.3	65.7	**66.7**	1.0	1.4	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0
R-5.01			Trailing Vine	Residential	2	61.5	61.7	62.5	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.02			Trailing Vine	Residential	3	61.6	61.8	62.6	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.03			New Season	Residential	4	57.3	57.6	57.4	-0.2	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.04			New Season	Residential	4	55.7	56.0	56.1	0.1	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.05			New Season	Residential	4	55.9	56.3	56.6	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.06			New Season	Residential	6	55.3	55.7	55.6	-0.1	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.07			New Season	Residential	4	57.4	57.8	58.4	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.08			New Season	Residential	6	54.8	55.2	55.8	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.09			New Season	Residential	4	56.6	57.0	57.3	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.10			New Season	Residential	6	55.3	55.7	55.8	0.1	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.11			New Season	Residential	3	60.1	60.5	60.9	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.12			New Season	Residential	2	58.3	58.7	58.9	0.2	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.13			New Season	Residential	3	58.1	58.5	58.9	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.14			Trailing Vine	Residential	5	60.3	60.5	61.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.15			Trailing Vine	Residential	5	55.5	55.7	56.7	1.0	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.16			Trailing Vine	Residential	5	54.0	54.2	55.0	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.17			Trailing Vine	Residential	5	54.7	55.0	55.6	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.18			Trailing Vine	Residential	2	57.6	58.0	58.3	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.19			Trailing Vine	Residential	3	56.6	56.9	57.2	0.3	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.20			Trailing Vine	Swimming Pool	1	57.1	57.4	58.0	0.6	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.21			Commerce	Office	1	55.8	56.1	56.7	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.22			Commerce	Office	1	60.3	60.6	61.3	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-5.23			Exchange	Office	1	65.1	65.4	66.6	1.2	1.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.24			Commerce	Office	1	65.8	66.1	66.9	0.8	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.25			Commerce	Office	1	56.8	57.2	57.6	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.26			Commerce	Office	1	64.6	64.9	66.2	1.3	1.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.27			Commerce	Office	1	63.8	64.1	65.8	1.7	2.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.28			El Camino Real	Office	1	52.4	52.7	54.1	1.4	1.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.29			El Camino Real	Office	1	62.6	63.0	63.6	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.30			El Camino Real	Office	1	57.2	57.5	58.2	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.31			El Camino Real	Office	1	54.9	55.0	55.1	0.1	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.32			El Camino Real	Office	1	65.6	65.7	66.3	0.6	0.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.33			Jamboree Road	Retail	1	63.3	63.4	63.8	0.4	0.5	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.34			Jamboree Road	Retail	1	61.0	61.3	61.5	0.2	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.35			El Camino Real	Retail	1	57.1	57.9	58.5	0.6	1.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.36			El Camino Real	Retail	1	54.3	54.8	55.2	0.4	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.37			El Camino Real	Retail	1	51.0	51.5	52.0	0.5	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.38			Auto Center Drive	Retail	1	62.2	62.7	63.1	0.4	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.39			Auto Center Drive	Retail	1	57.8	58.3	58.7	0.4	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.40			Auto Center Drive	Retail	1	59.6	60.0	60.7	0.7	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.41			Auto Center Drive	Retail	1	61.4	61.5	62.4	0.9	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.01	EW 6.1	NB 6.1	Park Center Lane	Basketball Court	1	63.1	63.4	64.5	1.1	1.4	C(67)	--	--	--	--	63.8	0.7	0	62.7	1.8	0	61.9	2.6	0	61.3	3.2	0	60.7	3.8	0	60.3	4.2	0	60.0	4.5	0	59.6	4.9	0
R-6.02	EW 6.1		Park Center Lane	Residential	1	53.7	54.0	55.6	1.6	1.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.03	EW 6.1		Park Center Lane	Residential	1	59.7	59.8	60.5	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.04	EW 6.1		Park Center Lane	Residential	2	56.4	56.5	59.2	2.7	2.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.05	EW 6.1		Park Center Lane	Residential	2	58.6	58.8	60.9	2.1	2.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.06	EW 6.1		Park Center Lane	Residential	2	53.6	53.7	55.2	1.5	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.07	EW 6.1		Park Center Lane	Residential	2	57.9	58.0	59.1	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.08	EW 6.1		Park Center Lane	Residential	2	51.5	51.7	52.7	1.0	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.09	EW 6.1		Park Center Lane	Residential	2	56.0	56.2	57.1	0.9	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.10	EW 6.1		Park Center Lane	Residential	1	55.3	55.4	56.5	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.11	EW 6.1		Park Center Lane	Residential	1	59.9	60.0	60.8	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.12	EW 6.1		Park Center Lane	Residential	2	51.5	51.6	54.6	3.0	3.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.13	EW 6.1		Park Center Lane	Residential	2	55.2	55.4	57.5	2.1	2.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.14	EW 6.1		Park Center Lane	Residential	2	51.8	52.1	53.9	1.8	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.15	EW 6.1		Park Center Lane	Residential	2	56.5	56.7	58.2	1.5	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.16	EW 6.1		Park Center Lane	Residential	1	54.8	55.0	55.7	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.17	EW 6.1		Park Center Lane	Residential	1	63.2	63.3	64.3	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.18	EW 6.1		Park Center Lane	Residential	1	53.4	53.6	54.8	1.2	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.19	EW 6.1		Park Center Lane	Residential	1	61.5	61.6	63.3	1.7	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.20	EW 6.1		Park Center Lane	Residential	2	51.5	51.7	53.4	1.7	1.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.21	EW 6.1		Park Center Lane	Residential	2	56.7	56.8	57.6	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.22	EW 6.1		Park Center Lane	Residential	1	54.2	54.5	55.4	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.23	EW 6.1		Park Center Lane	Residential	1	57.9	58.1	59.2	1.1	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.24	EW 6.1		Park Center Lane	Residential	2	53.8	54.2	56.4	2.2	2.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.25	EW 6.1		Park Center Lane	Residential	2	57.9	58.3	60.0	1.7	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.26	EW 6.1		Park Center Lane	Residential	1	52.8	53.2	55.3	2.1	2.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.27	EW 6.1		Park Center Lane	Residential	1	57.0	57.4	59.0	1.6	2.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.28	EW 6.1	NB 6.1	Park Center Lane	Swimming Pool	1	53.9	54.3	55.5	1.2	1.6	C(67)	--	--	--	--	55.4	0.1	0	55.2	0.3	0	55.0	0.5	0	54.6	0.9	0	54.0	1.5	0	53.6	1.9	0	53.4	2.1	0	53.2	2.3	0
R-6.29	EW 6.1	NB 6.1	Park Center Lane	Residential	1	53.6	53.7	54.6	0.9	1.0	B(67)	--	--	--	--	54.4	0.2	0	54.0	0.6	0	53.3	1.3	0	52.5	2.1	0	51.8	2.8	0	51.3	3.3	0	50.5	4.1	0	50.0	4.6	0
R-6.30	EW 6.1	NB 6.1	Park Center Lane	Residential	1	64.8	64.8	**66.5**	1.7	1.7	B(67)	A/E	--	--	--	**66.2**	0.3	0	63.5	3.0	0	61.5	5.0	1	60.0	6.5	1	58.7	7.8	1	57.8	8.7	1	57.0	9.5	1	56.3	10.2	1
R-6.31	EW 6.1	NB 6.1	Park Center Lane	Residential	2	51.1	51.7	53.3	1.6	2.2	B(67)	--	--	--	--	53.3	0.0	0	53.3	0.0	0	53.1	0.2	0	52.8	0.5	0	52.2	1.1	0	52.0	1.3	0	51.9	1.4	0	51.8	1.5	0
R-6.32	EW 6.1	NB 6.1	Park Center Lane	Residential	2	56.9	57.5	58.5	1.0	1.6	B(67)	--	--	--	--	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.0	0.5	0	57.5	1.0	0	57.1	1.4	0	56.9	1.6	0
R-6.33	EW 6.1	NB 6.1	Park Center Lane	Residential	2	52.7	52.8	53.6	0.8	0.9	B(67)	--	--	--	--	53.3	0.3	0	52.4	1.2	0	51.5	2.1	0	50.7	2.9	0	50.1	3.5	0	49.7	3.9	0	49.2	4.4	0	48.9	4.7	0
R-6.34	EW 6.1	NB 6.1	Park Center Lane	Residential	2	57.8	58.2	58.7	0.5	0.9	B(67)	--	--	--	--	58.5	0.2	0	57.9	0.8	0	57.8	0.9	0	57.7	1.0	0	57.6	1.1	0	56.8	1.9	0	56.3	2.4	0	55.9	2.8	0
R-6.35	EW 6.1	NB 6.1	Park Center Lane	Residential	1	55.4	55.5	56.6	1.1	1.2	B(67)	--	--	--	--	56.4	0.2	0	56.0	0.6	0	55.0	1.6	0	53.8	2.8	0	52.6	4.0	0	52.0	4.6	0	51.5	5.1	1	51.0	5.6	1
R-6.36	EW 6.1	NB 6.1	Park Center Lane	Residential	1	60.7	60.8	61.9	1.1	1.2	B(67)	--	--	--	--	61.6	0.3	0	60.9	1.0	0	59.6	2.3	0	57.9	4.0	0	56.5	5.4	1	55.7	6.2	1	55.0	6.9	1	54.7	7.2	1
R-6.37	EW 6.1	NB 6.1	Park Center Lane	Residential	1	54.8	55.0	55.9	0.9	1.1	B(67)	--	--	--	--	55.7	0.2	0	55.1	0.8	0	54.2	1.7	0	53.2	2.7	0	52.4	3.5	0	51.7	4.2	0	51.2	4.7	0	50.8	5.1	1
R-6.38	EW 6.1	NB 6.1	Park Center Lane	Residential	1	58.6	58.7	59.7	1.0	1.1	B(67)	--	--	--	--	59.5	0.2	0	58.8	0.9	0	57.8	1.9	0	57.0	2.7	0	55.6	4.1	0	54.5	5.2	1	53.9	5.8	1	53.7	6.0	1
R-6.39	EW 6.1	NB 6.1	Park Center Lane	Residential	2	54.5	54.5	55.4	0.9	0.9	B(67)	--	--	--	--	55.2	0.2	0	54.4	1.0	0	53.0	2.4	0	51.2	4.2	0	50.3	5.1	2	49.6	5.8	2	49.1	6.3	2	48.7	6.7	2
R-6.40	EW 6.1	NB 6.1	Park Center Lane	Residential	2	58.4	58.6	59.1	0.5	0.7	B(67)	--	--	--	--	58.8	0.3	0	58.0	1.1	0	57.2	1.9	0	56.8	2.3	0	56.5	2.6	0	55.6	3.5	0	54.9	4.2	0	54.4	4.7	0
R-6.41	EW 6.1	NB 6.1	Park Center Lane	Residential	1	50.5	51.7	52.7	1.0	2.2	B(67)	--	--	--	--	52.7	0.0	0	52.7	0.0	0	52.7	0.0	0	52.6	0.1	0	52.5	0.2	0	52.4	0.3	0	52.3	0.4	0	52.2	0.5	0
R-6.42	EW 6.1	NB 6.1	Park Center Lane	Residential	1	56.2	57.2	57.9	0.7	1.7	B(67)	--	--	--	--	57.9	0.0	0	57.9	0.0	0	57.9	0.0	0	57.9	0.0	0	57.9	0.0	0	57.8	0.1	0	57.5	0.4	0	57.3	0.6	0
R-6.43	EW 6.1	NB 6.1	Park Center Lane	Residential	1	52.3	52.5	53.6	1.1	1.3	B(67)	--	--	--	--	53.4	0.2	0	52.7	0.9	0	52.0	1.6	0	51.5	2.1	0	51.1	2.5	0	50.7	2.9	0	50.4	3.2	0	50.2	3.4	0
R-6.44	EW 6.1	NB 6.1	Park Center Lane	Residential	1	57.7	57.9	59.0	1.1	1.3	B(67)	--	--	--	--	58.8	0.2	0	58.1	0.9	0	57.6	1.4	0	57.4	1.6	0	56.8	2.2	0	55.9	3.1	0	55.2	3.8	0	54.9	4.1	0

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																									
													Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																									
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-6.45	EW 6.1	NB 6.1	Park Center Lane	Residential	2	56.4	57.3	58.0	0.7	1.6	B(67)	--	--	--	--	57.9	0.1	0	57.7	0.3	0	57.4	0.6	0	57.0	1.0	0	56.6	1.4	0	56.4	1.6	0	56.3	1.7	0	56.2	1.8	0
R-6.46	EW 6.1	NB 6.1	Park Center Lane	Residential	2	59.9	60.7	61.5	0.8	1.6	B(67)	--	--	--	--	61.4	0.1	0	61.3	0.2	0	61.0	0.5	0	60.7	0.8	0	60.4	1.1	0	60.1	1.4	0	59.9	1.6	0	60.4	1.1	0
R-6.47	EW 6.1	NB 6.1	Park Center Lane	Residential	1	54.0	55.8	56.4	0.6	2.4	B(67)	--	--	--	--	56.4	0.0	0	56.4	0.0	0	56.4	0.0	0	56.4	0.0	0	56.4	0.0	0	56.3	0.1	0	56.2	0.2	0	56.2	0.2	0
R-6.48	EW 6.1	NB 6.1	Park Center Lane	Residential	1	57.2	58.4	59.1	0.7	1.9	B(67)	--	--	--	--	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	58.8	0.3	0	58.6	0.5	0
R-6.49	EW 6.1	NB 6.1	Park Center Lane	Residential	1	58.6	58.9	60.6	1.7	2.0	B(67)	--	--	--	--	60.5	0.1	0	60.1	0.5	0	59.5	1.1	0	58.8	1.8	0	58.4	2.2	0	58.1	2.5	0	57.9	2.7	0	57.7	2.9	0
R-6.50	EW 6.1	NB 6.1	Park Center Lane	Residential	1	64.4	64.5	**66.3**	1.8	1.9	B(67)	A/E	--	--	--	65.7	0.6	0	63.5	2.8	0	61.8	4.5	0	60.3	6.0	1	59.1	7.2	1	58.2	8.1	1	57.3	9.0	1	56.8	9.5	1
R-6.51	EW 6.1	NB 6.1	Park Center Lane	Residential	2	61.5	62.6	63.9	1.3	2.4	B(67)	--	--	--	--	63.8	0.1	0	63.7	0.2	0	63.5	0.4	0	63.3	0.6	0	63.2	0.7	0	63.1	0.8	0	63.0	0.9	0	62.9	1.0	0
R-6.52	EW 6.1	NB 6.1	Park Center Lane	Residential	2	65.4	**66.0**	**67.3**	1.3	1.9	B(67)	A/E	--	--	--	**66.8**	0.5	0	**66.2**	1.1	0	65.7	1.6	0	65.4	1.9	0	65.2	2.1	0	65.0	2.3	0	64.8	2.5	0	64.7	2.6	0
R-6.53	EW 6.1	NB 6.1	Park Center Lane	Residential	1	58.6	60.5	60.8	0.3	2.2	B(67)	--	--	--	--	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.7	0.1	0	60.7	0.1	0
R-6.54	EW 6.1	NB 6.1	Park Center Lane	Residential	1	59.5	60.9	61.4	0.5	1.9	B(67)	--	--	--	--	61.4	0.0	0	61.4	0.0	0	61.4	0.0	0	61.4	0.0	0	61.4	0.0	0	61.2	0.2	0	60.9	0.5	0	60.8	0.6	0
R-6.55	EW 6.1	NB 6.2	Cherokee	Residential	1	63.5	63.7	65.9	2.2	2.4	B(67)	--	63.7	2.2	0	63.1	2.8	0	62.7	3.2	0	62.5	3.4	0	62.2	3.7	0	62.1	3.8	0	62.0	3.9	0	61.9	4.0	0	61.8	4.1	0
R-6.56	EW 6.1		Cherokee	Residential	3	61.8	62.1	63.8	1.7	2.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.57	EW 6.1		Cherokee	Residential	3	59.2	59.6	61.0	1.4	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.58	EW 6.1		Cherokee	Residential	3	57.2	57.9	58.8	0.9	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.59	EW 6.1	NB 6.2	Arapahoe	Residential	1	58.5	58.6	61.1	2.5	2.6	B(67)	--	60.8	0.3	0	60.7	0.4	0	60.4	0.7	0	60.3	0.8	0	60.0	1.1	0	59.9	1.2	0	59.8	1.3	0	59.7	1.4	0	59.7	1.4	0
R-6.60	EW 6.1		Arapahoe	Residential	2	56.7	56.9	59.3	2.4	2.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.61	EW 6.2*	NB 6.2	El Camino Real	Residential	4	**72.5**	**73.1**	**82.6**	9.5	10.1	B(67)	A/E	**78.8**	3.8	0	**76.7**	5.9	4	**75.4**	7.2	4	**73.9**	8.7	4	**73.1**	9.5	4	**72.5**	10.1	4	**72.0**	10.6	4	**71.7**	10.9	4	**71.4**	11.2	4
R-6.62	EW 6.2*	NB 6.2	El Camino Real	Residential	4	**77.6**	**77.9**	**83.7**	5.8	6.1	B(67)	A/E	**83.2**	0.5	0	**82.6**	1.1	0	**81.2**	2.5	0	**79.3**	4.4	0	**77.0**	6.7	4	**75.0**	8.7	4	**74.0**	9.7	4	**73.2**	10.5	4	**72.7**	11.0	4
R-6.63	EW 6.2*	NB 6.2	El Camino Real	Residential	4	**77.2**	**77.5**	**83.6**	6.1	6.4	B(67)	A/E	**83.0**	0.6	0	**82.0**	1.6	0	**80.8**	2.8	0	**78.4**	5.2	4	**76.4**	7.2	4	**74.4**	9.2	4	**73.5**	10.1	4	**72.7**	10.9	4	**72.2**	11.4	4
R-6.64	EW 6.2*	NB 6.2	El Camino Real	Residential	1	**66.4**	**66.7**	**76.2**	9.5	9.8	B(67)	A/E	**71.7**	4.5	0	**70.4**	5.8	1	**69.2**	7.0	1	**67.6**	8.6	1	**66.8**	9.4	1	**66.3**	9.9	1	**66.0**	10.2	1	65.8	10.4	1	65.6	10.6	1
R-6.65	EW 6.2*	NB 6.2	Sierra Vista Drive	Residential	2	**70.6**	**70.7**	**75.7**	5.0	5.1	B(67)	A/E	**73.7**	2.0	0	**72.9**	2.8	0	**72.3**	3.4	0	**71.5**	4.2	0	**71.2**	4.5	0	**71.0**	4.7	0	**70.8**	4.9	0	**70.6**	5.1	2	**70.5**	5.2	2
R-6.66	EW 6.2*	NB 6.2	Sierra Vista Drive	Residential	2	**69.7**	**69.9**	**76.2**	6.3	6.5	B(67)	A/E	**73.9**	2.3	0	**73.7**	2.5	0	**72.6**	3.6	0	**70.5**	5.7	2	**69.4**	6.8	2	**68.6**	7.6	2	**67.9**	8.3	2	**67.4**	8.8	2	**66.9**	9.3	2
R-6.67	EW 6.2*	NB 6.2	Sierra Vista Drive	Residential	2	**68.4**	**68.6**	**74.6**	6.0	6.2	B(67)	A/E	**72.5**	2.1	0	**72.2**	2.4	0	**71.1**	3.5	0	**69.4**	5.2	2	**68.4**	6.2	2	**67.4**	7.2	2	**66.7**	7.9	2	**66.3**	8.3	2	65.9	8.7	2
R-6.68	EW 6.2*	NB 6.2	Sierra Vista Drive	Residential	2	**67.9**	**68.1**	**73.6**	5.5	5.7	B(67)	A/E	**71.2**	2.4	0	**71.7**	1.9	0	**70.6**	3.0	0	**68.7**	4.9	0	**67.8**	5.8	2	**67.0**	6.6	2	**66.3**	7.3	2	65.9	7.7	2	65.5	8.1	2
R-6.69	EW 6.2*	NB 6.2	Sierra Vista Drive	Residential	1	65.3	65.5	**67.8**	2.3	2.5	B(67)	A/E	**67.5**	0.3	0	**67.1**	0.7	0	**66.4**	1.4	0	65.9	1.9	0	65.3	2.5	0	64.5	3.3	0	64.0	3.8	0	63.8	4.0	0	63.6	4.2	0
R-6.70	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	65.6	65.7	**70.9**	5.2	5.3	B(67)	A/E	**70.7**	0.2	0	**70.3**	0.6	0	**68.4**	2.5	0	**66.4**	4.5	0	64.8	6.1	2	62.7	8.2	2	61.6	9.3	2	60.5	10.4	2	59.9	11.0	2
R-6.71	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	58.6	58.8	64.9	6.1	6.3	B(67)	--	63.4	1.5	0	62.4	2.5	0	60.8	4.1	0	59.7	5.2	2	58.7	6.2	2	60.2	4.7	0	59.6	5.3	2	59.2	5.7	2	58.9	6.0	2
R-6.72	EW 6.2*	NB 6.2	Tustin East Drive	Residential	3	58.6	58.7	64.3	5.6	5.7	B(67)	--	62.8	1.5	0	62.1	2.2	0	60.9	3.4	0	59.9	4.4	0	60.3	4.0	0	59.6	4.7	0	59.1	5.2	3	58.7	5.6	3	58.1	6.2	3
R-6.73	EW 6.2*	NB 6.2	Tustin East Drive	Residential	3	58.3	58.4	63.1	4.7	4.8	B(67)	--	61.9	1.2	0	61.3	1.8	0	60.3	2.8	0	59.3	3.8	0	59.6	3.5	0	58.9	4.2	0	58.1	5.0	3	57.7	5.4	3	57.4	5.7	3
R-6.74	EW 6.2*	NB 6.2	Tustin East Drive	Residential	3	57.5	57.6	61.8	4.2	4.3	B(67)	--	60.7	1.1	0	60.2	1.6	0	59.3	2.5	0	58.3	3.5	0	59.6	2.2	0	59.1	2.7	0	58.7	3.1	0	58.4	3.4	0	58.2	3.6	0
R-6.75	EW 6.2*	NB 6.2	Tustin East Drive	Residential	3	61.0	61.2	64.5	3.3	3.5	B(67)	--	64.3	0.2	0	63.9	0.6	0	63.3	1.2	0	62.0	2.5	0	60.6	3.9	0	59.2	5.3	3	58.2	6.3	3	57.8	6.7	3	57.9	6.6	3
R-6.76	EW 6.2*	NB 6.2	Tustin East Drive	Residential	3	58.9	59.0	61.7	2.7	2.8	B(67)	--	61.4	0.3	0	61.0	0.7	0	60.3	1.4	0	59.6	2.1	0	58.8	2.9	0	57.8	3.9	0	57.3	4.4	0	57.4	4.3	0	57.0	4.7	0
R-6.77	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	**66.1**	**66.3**	**71.7**	5.4	5.6	B(67)	A/E	**71.5**	0.2	0	**71.0**	0.7	0	**69.1**	2.6	0	**67.1**	4.6	0	65.4	6.3	2	63.2	8.5	2	61.9	9.8	2	60.9	10.8	2	60.1	11.6	2
R-6.78	EW 6.2*	NB 6.2	Tustin East Drive	Residential	4	64.5	64.7	**71.4**	6.7	6.9	B(67)	A/E	**69.1**	2.3	0	**67.7**	3.7	0	**66.0**	5.4	4	64.4	7.0	4	63.3	8.1	4	64.5	6.9	4	63.8	7.6	4	63.2	8.2	4	62.7	8.7	4
R-6.79	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	**68.3**	**68.4**	**74.4**	6.0	6.1	B(67)	A/E	**73.3**	1.1	0	**72.3**	2.1	0	**70.3**	4.1	0	**68.3**	6.1	2	**66.7**	7.7	2	64.8	9.6	2	63.6	10.8	2	62.7	11.7	2	62.0	12.4	2
R-6.80	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	57.6	57.7	61.0	3.3	3.4	B(67)	--	60.7	0.3	0	60.2	0.8	0	59.4	1.6	0	58.7	2.3	0	57.5	3.5	0	56.1	4.9	0	54.9	6.1	2	54.1	6.9	2	53.6	7.4	2
R-6.81	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	62.2	62.3	65.5	3.2	3.3	B(67)	--	65.2	0.3	0	64.7	0.8	0	64.2	1.3	0	63.0	2.5	0	61.4	4.1	0	59.7	5.8	2	58.5	7.0	2	57.8	7.7	2	57.6	7.9	2
R-6.82	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	61.6	61.7	65.0	3.3	3.4	B(67)	--	64.6	0.4	0	64.1	0.9	0	63.8	1.2	0	62.7	2.3	0	61.0	4.0	0	59.5	5.5	2	58.5	6.5	2	57.8	7.2	2	58.1	6.9	2
R-6.83	EW 6.2*	NB 6.2	Tustin East Drive	Residential	1	58.0	58.1	61.6	3.5	3.6	B(67)	--	61.3	0.3	0	60.7	0.9	0	59.8	1.8	0	58.9	2.7	0	58.4	3.2	0	57.0	4.6	0	55.9	5.7	1	55.2	6.4	1	54.7	6.9	1
R-6.84	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	63.0	63.1	**66.5**	3.4	3.5	B(67)	A/E	**66.3**	0.2	0	65.7	0.8	0	65.4	1.1	0	63.9	2.6	0	62.4	4.1	0	60.5	6.0	2	59.4	7.1	2	58.7	7.8	2	59.1	7.4	2
R-6.85	EW 6.2*	NB 6.2	Tustin East Drive	Residential	3	50.3	50.5	51.8	1.3	1.5	B(67)	--	51.7	0.1	0	51.7	0.1	0	51.6	0.2	0	51.4	0.4	0	51.1	0.7	0	50.6	1.2	0	50.0	1.8	0	49.6	2.2	0	49.2	2.6	0
R-6.86	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	52.6	52.7	54.2	1.5	1.6	B(67)	--	54.2	0.0	0	54.2	0.0	0	54.0	0.2	0	53.7	0.5	0	53.4	0.8	0	52.9	1.3	0	52.3	1.9	0	51.8	2.4	0	51.4	2.8	0
R-6.87	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	56.9	57.1	60.6	3.5	3.7	B(67)	--	60.3	0.3	0	59.7	0.9	0	58.9	1.7	0	58.0	2.6	0	57.1	3.5	0	55.9	4.7	0	54.8	5.8	2	54.2	6.4	2	53.8	6.8	2
R-6.88	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	54.9	55.0	57.7	2.7	2.8	B(67)	--	57.4	0.3	0	57.1	0.6	0	56.6	1.1	0	56.0	1.7	0	54.9	2.8	0	54.0	3.7	0	53.1	4.6	0	52.6	5.1	2	52.2	5.5	2
R-6.89	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	64.3	64.5	**71.6**	7.1	7.3	B(67)	A/E	**70.1**	1.5	0	**68.8**	2.8	0	**66.7**	4.9	0	65.1	6.5	2	63.6	8.0	2	61.9	9.7	2	60.9	10.7	2	60.1	11.5	2	59.2	12.4	2
R-6.90	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	61.6	61.7	**68.5**	6.8	6.9	B(67)	A/E	**66.9**	1.6	0	64.8	3.7	0	63.2	5.3	2	62.3	6.2	2	60.8	7.7	2	59.5	9.0	2	58.7	9.8	2	57.9	10.6	2	56.8	11.7	2
R-6.91	EW 6.2*	NB 6.2	Tustin East Drive	Swimming Pool	1	54.9	55.0	57.4	2.4	2.5	C(67)	--	57.3	0.1	0	57.2	0.2	0	56.5	0.9	0	55.7	1.7	0	55.2	2.2	0	54.4	3.0	0	53.7	3.7	0	53.3	4.1	0	52.8	4.6	0
R-6.92	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	62.3	62.6	**72.7**	10.1	10.4	B(67)	A/E	**68.6**	4.1	0	**66.7**	6.0	2	65.2	7.5	2	63.0	9.7	2	62.9	9.8	2	62.1	10.6	2	61.3	11.4	2	60.7	12.0	2	60.1	12.6	2
R-6.93	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	65.3	65.5	**72.4**	6.9	7.1	B(67)	A/E	**71.4**	1.0	0	**70.5**	1.9	0	**68.1**	4.3	0	**66.3**	6.1	2	64.9	7.5	2	62.9	9.5	2	61.9	10.5	2	61.0	11.4	2	60.2	12.2	2
R-6.94	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	58.3	58.5	**67.0**	8.5	8.7	B(67)	A/E	63.6	3.4	0	62.1	4.9	0	60.8	6.2	2	58.9	8.1	2	59.2	7.8	2	58.2	8.8	2	57.4	9.6	2	56.7	10.3	2	56.0	11.0	2
R-6.95	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	62.7	62.8	**69.3**	6.5	6.6	B(67)	A/E	**68.2**	1.1	0	**67.0**	2.3	0	65.4	3.9	0	63.7	5.6	2	62.3	7.0	2	60.5	8.8	2	59.5	9.8	2	58.7	10.6	2	58.0	11.3	2
R-6.96	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	58.8	58.9	**67.0**	8.1	8.2	B(67)	A/E	63.2	3.8	0	61.8	5.2	2	60.8	6.2	2	59.8	7.2	2	58.5	8.5	2	57.5	9.5	2	56.7	10.3	2	56.0	11.0	2	55.4	11.6	2
R-6.97	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	61.1	61.2	**67.5**	6.3	6.4	B(67)	A/E	**66.3**	1.2	0	64.5	3.0	0	63.7	3.8	0	62.2	5.3	2	60.9	6.6	2	59.4	8.1	2	58.5	9.0	2	57.8	9.7	2	57.2	10.3	2
R-6.98	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	61.9	62.1	65.6	3.5	3.7	B(67)	--	65.3	0.3	0	64.8	0.8	0	64.0	1.6	0	63.1	2.5	0	61.9	3.7	0	60.8	4.8	0	60.1	5.5	2	59.6	6.0	2	59.2	6.4	2
R-6.99	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	59.4	59.5	62.3	2.8	2.9	B(67)	--	61.9	0.4	0	61.4	0.9	0	60.7	1.6	0	60.0	2.3	0	58.6	3.7	0	57.3	5.0	2	56.3	6.0	2	55.7	6.6	2	55.3	7.0	2
R-6.100	EW 6.2*	NB 6.2	El Camino Real	Residential	2	60.4	60.5	63.7	3.2	3.3	B(67)	--	63.2	0.5	0	62.8	0.9	0	61.9	1.8	0	60.7	3.0	0	59.4	4.3	0	58.1	5.6	2	57.3	6.4	2	56.7	7.0	2	56.2	7.5	2
R-6.101	EW 6.2*	NB 6.2	El Camino Real	Residential	2	59.4	59.5	61.9	2.4	2.5	B(67)	--	61.4	0.5	0	60.9	1.0	0	60.1	1.8	0	58.7	3.2	0	57.5	4.4	0	56.3	5.6	2	55.4	6.5	2	54.9	7.0	2	54.5	7.4	2
R-6.102	EW 6.2*	NB 6.2	El Camino Real	Residential	2	60.9	61.0	65.1	4.1	4.2	B(67)	--	64.4	0.7	0	63.7	1.4	0	62.5	2.6	0	61.0	4.1	0	59.5	5.6	2	58.0	7.1	2	57.0	8.1	2	56.3	8.8	2	55.7	9.4	2
R-6.103	EW 6.2*	NB 6.2	El Camino Real	Residential	2	58.5	58.7	60.7	2.0	2.2	B(67)	--	60.4	0.3	0	60.0	0.7	0	59.4	1.3	0	58.5	2.2	0	57.7	3.0	0	56.9	3.8	0	56.1	4.6	0	55.3	5.4	2	54.0	6.7	2
R-6.104	EW 6.2*	NB 6.2	El Camino Real	Residential	4	61.7	61.8	65.2	3.4	3.5	B(67)	--	63.3	1.9	0	62.3	2.9	0	61.2	4.0	0	60.0	5.2	4	59.7	5.5	4	58.7	6.5	4	57.8	7.4	4	57.3	7.9	4	56.8	8.4	4
R-6.105	EW 6.2*	NB 6.2	El Camino Real	Residential	2	62.2	62.3	64.7	2.4	2.5	B(67)	--	63.3	1.4	0	62.4	2.3	0	62.0	2.7	0	60.5	4.2	0	59.4	5.3	2	58.5	6.2	2	57.6	7.1	2	57.1	7.6	2	56.6	8.1	2
R-6.106	EW 6.2*	NB 6.2	El Camino Real	Residential	4	**66.9**	**67.0**	**68.9**	1.9	2.0	B(67)	A/E	**68.2**	0.7	0	**67.4**	1.5	0	**66.1**	2.8	0	64.7	4.2	0	63.3	5.6	4	61.9	7.0	4	61.0	7.9	4	60.4	8.5	4	59.9	9.0	4
R-6.107	EW 6.2*	NB 6.2	El Camino Real	Residential	2	65.5	65.6	**70.2**	4.6	4.7	B(67)	A/E	**69.0**	1.2	0	**67.8**	2.4	0	**66.3**	3.9	0	64.8	5.4	2	63.0	7.2	2	61.8	8.4	2	61.0	9.2	2	60.4	9.8	2	59.9	10.3	2

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-6.108	EW 6.2*	NB 6.2	Tustin East Drive	Residential	4	49.4	49.5	50.7	1.2	1.3	B(67)	--	50.7	0.0	0	50.5	0.2	0	50.2	0.5	0	49.9	0.8	0	49.5	1.2	0	49.1	1.6	0	48.6	2.1	0	48.1	2.6	0	47.8	2.9	0
R-6.109	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	47.3	47.4	49.1	1.7	1.8	B(67)	--	48.9	0.2	0	48.8	0.3	0	48.3	0.8	0	48.1	1.0	0	47.7	1.4	0	47.2	1.9	0	46.7	2.4	0	46.2	2.9	0	45.8	3.3	0
R-6.110	EW 6.2*	NB 6.2	Tustin East Drive	Residential	4	56.4	56.5	57.2	0.7	0.8	B(67)	--	57.2	0.0	0	57.2	0.0	0	57.0	0.2	0	56.7	0.5	0	56.4	0.8	0	56.0	1.2	0	55.5	1.7	0	54.7	2.5	0	53.9	3.3	0
R-6.111	EW 6.2*	NB 6.2	Tustin East Drive	Residential	2	56.0	56.1	57.4	1.3	1.4	B(67)	--	57.4	0.0	0	57.2	0.2	0	56.8	0.6	0	56.5	0.9	0	56.2	1.2	0	55.8	1.6	0	55.2	2.2	0	54.2	3.2	0	53.6	3.8	0
R-6.112		NB 6.2	Tustin East Drive	Residential	2	64.0	64.1	65.1	1.0	1.1	B(67)	--	64.0	1.1	0	62.8	2.3	0	61.4	3.7	0	60.2	4.9	0	58.9	6.2	2	58.3	6.8	2	57.9	7.2	2	57.8	7.3	2	57.7	7.4	2
R-6.113		NB 6.2	Tustin East Drive	Residential	2	61.2	61.3	62.3	1.0	1.1	B(67)	--	62.0	0.3	0	60.9	1.4	0	59.7	2.6	0	59.0	3.3	0	57.9	4.4	0	57.4	4.9	0	57.4	4.9	0	58.0	4.3	0	57.8	4.5	0
R-6.114		NB 6.2	Tustin East Drive	Residential	2	61.7	61.8	64.6	2.8	2.9	B(67)	--	63.8	0.8	0	63.1	1.5	0	61.9	2.7	0	60.8	3.8	0	59.8	4.8	0	59.0	5.6	2	58.6	6.0	2	58.2	6.4	2	57.9	6.7	2
R-6.115		NB 6.2	Tustin East Drive	Residential	2	60.3	60.4	61.9	1.5	1.6	B(67)	--	61.1	0.8	0	60.2	1.7	0	58.9	3.0	0	57.9	4.0	0	56.3	5.6	2	55.5	6.4	2	55.0	6.9	2	54.6	7.3	2	54.2	7.7	2
R-6.116		NB 6.2	Tustin East Drive	Residential	2	60.9	61.0	63.1	2.1	2.2	B(67)	--	62.2	0.9	0	61.1	2.0	0	59.8	3.3	0	58.7	4.4	0	57.6	5.5	2	56.9	6.2	2	56.5	6.6	2	56.1	7.0	2	55.8	7.3	2
R-6.117		NB 6.2	Tustin East Drive	Residential	2	60.7	60.8	62.0	1.2	1.3	B(67)	--	61.0	1.0	0	59.7	2.3	0	58.5	3.5	0	57.3	4.7	0	56.4	5.6	2	55.9	6.1	2	55.4	6.6	2	55.0	7.0	2	54.7	7.3	2
R-6.118		NB 6.2	Tustin East Drive	Residential	2	62.0	62.1	64.2	2.1	2.2	B(67)	--	62.5	1.7	0	62.0	2.2	0	60.9	3.3	0	59.4	4.8	0	58.3	5.9	2	57.5	6.7	2	56.9	7.3	2	56.4	7.8	2	56.0	8.2	2
R-6.119		NB 6.2	Tustin East Drive	Residential	2	**68.0**	**68.0**	**69.7**	1.7	1.7	B(67)	A/E	**67.7**	2.0	0	**66.0**	3.7	0	64.5	5.2	2	62.6	7.1	2	61.0	8.7	2	60.0	9.7	2	59.2	10.5	2	58.8	10.9	2	58.6	11.1	2
R-6.120		NB 6.2	Tustin East Drive	Residential	4	62.2	62.3	63.6	1.3	1.4	B(67)	--	62.5	1.1	0	61.3	2.3	0	60.1	3.5	0	58.9	4.7	0	58.1	5.5	4	57.6	6.0	4	57.2	6.4	4	56.9	6.7	4	56.6	7.0	4
R-6.121		NB 6.2	Tustin East Drive	Residential	4	65.8	65.9	**67.7**	1.8	1.9	B(67)	A/E	**66.1**	1.6	0	64.5	3.2	0	63.1	4.6	0	61.9	5.8	4	60.7	7.0	4	60.1	7.6	4	59.6	8.1	4	59.2	8.5	4	58.9	8.8	4
R-6.122		NB 6.2	Tustin East Drive	Residential	3	49.8	49.9	50.9	1.0	1.1	B(67)	--	50.9	0.0	0	50.8	0.1	0	50.4	0.5	0	50.0	0.9	0	49.3	1.6	0	48.9	2.0	0	48.4	2.5	0	48.1	2.8	0	47.7	3.2	0
R-6.123		NB 6.2	Tustin East Drive	Residential	3	56.4	56.5	57.2	0.7	0.8	B(67)	--	57.2	0.0	0	57.2	0.0	0	57.0	0.2	0	56.7	0.5	0	56.2	1.0	0	55.8	1.4	0	55.3	1.9	0	54.2	3.0	0	53.7	3.5	0
R-6.124		NB 6.2	Tustin East Drive	Residential	3	49.2	49.3	50.3	1.0	1.1	B(67)	--	50.2	0.1	0	50.0	0.3	0	49.6	0.7	0	49.0	1.3	0	48.4	1.9	0	47.9	2.4	0	47.4	2.9	0	47.0	3.3	0	46.6	3.7	0
R-6.125		NB 6.2	Tustin East Drive	Residential	3	55.2	55.3	56.2	0.9	1.0	B(67)	--	56.2	0.0	0	56.2	0.0	0	55.9	0.3	0	55.5	0.7	0	55.0	1.2	0	54.7	1.5	0	54.3	1.9	0	53.9	2.3	0	53.4	2.8	0
R-6.126		NB 6.2	Tustin East Drive	Residential	2	64.7	64.8	65.0	0.2	0.3	B(67)	--	63.0	2.0	0	61.5	3.5	0	59.8	5.2	2	58.6	6.4	2	57.8	7.2	2	57.0	8.0	2	56.4	8.6	2	55.9	9.1	2	55.5	9.5	2
R-6.127		NB 6.2	Tustin East Drive	Residential	2	**66.0**	**66.0**	65.9	-0.1	-0.1	B(67)	--	63.5	2.4	0	62.2	3.7	0	60.9	5.0	2	58.8	7.1	2	57.8	8.1	2	56.8	9.1	2	56.0	9.9	2	55.6	10.3	2	55.4	10.5	2
R-6.128		NB 6.2	Tustin East Drive	Residential	4	58.5	58.5	58.8	0.3	0.3	B(67)	--	57.5	1.3	0	56.6	2.2	0	55.7	3.1	0	54.9	3.9	0	54.0	4.8	0	53.4	5.4	4	51.6	7.2	4	51.1	7.7	4	50.6	8.2	4
R-6.129		NB 6.2	Tustin East Drive	Residential	4	61.5	61.5	62.0	0.5	0.5	B(67)	--	60.7	1.3	0	59.7	2.3	0	58.8	3.2	0	57.5	4.5	0	56.7	5.3	4	56.2	5.8	4	55.4	6.6	4	55.0	7.0	4	55.3	6.7	4
R-6.130			El Camino Real	Swimming Pool	1	57.2	57.3	58.1	0.8	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.131			El Camino Real	Hotel	2	69.9	70.3	70.1	-0.2	0.2	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.132			El Camino Real	Hotel	1	76.3	76.5	76.1	-0.4	-0.2	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.133			El Camino Real	Retail	1	63.9	63.9	64.3	0.4	0.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.134			El Camino Real	Retail	1	67.2	68.1	67.2	-0.9	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.135			El Camino Real	Hotel	1	67.6	68.3	68.7	0.4	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.136			El Camino Real	Hotel	1	66.7	67.0	67.4	0.4	0.7	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.137			El Camino Real	Hotel	1	72.9	73.0	73.2	0.2	0.3	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.138			El Camino Real	Restaurant	1	67.0	67.4	68.1	0.7	1.1	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.139			El Camino Real	Restaurant	1	66.1	66.2	67.1	0.9	1.0	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.140			El Camino Real	Commercial	1	67.7	68.3	70.3	2.0	2.6	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.01	EW 7.1*	NB 7.1	El Camino Real	Restaurant	1	63.9	64.4	65.9	1.5	2.0	E(72)	--	65.1	0.8	0	64.9	1.0	0	64.8	1.1	0	64.7	1.2	0	64.6	1.3	0	64.6	1.3	0	64.5	1.4	0	64.5	1.4	0	64.4	1.5	0
R-7.02	EW 7.1*		El Camino Real	Light Industrial	1	70.7	71.2	72.9	1.7	2.2	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.03	EW 7.2*	NB 7.1	El Camino Real	Residential	1	**70.8**	**71.3**	**75.3**	4.0	4.5	B(67)	A/E	**74.1**	1.2	0	**73.8**	1.5	0	**73.7**	1.6	0	**73.6**	1.7	0	**73.5**	1.8	0	**73.5**	1.8	0	**73.5**	1.8	0	**73.4**	1.9	0	**73.4**	1.9	0
R-7.04	EW 7.2*	NB 7.1	El Camino Real	Residential	1	**70.5**	**71.1**	**75.4**	4.3	4.9	B(67)	A/E	**75.0**	0.4	0	**74.9**	0.5	0	**74.8**	0.6	0	**74.8**	0.6	0	**74.8**	0.6	0	**74.8**	0.6	0	**74.7**	0.7	0	**74.7**	0.7	0	**74.7**	0.7	0
R-7.05	EW 7.2*	NB 7.1	El Camino Real	School - Sports Area	1	62.6	62.7	**67.2**	4.5	4.6	C(67)	A/E	65.5	1.7	0	65.0	2.2	0	64.2	3.0	0	63.5	3.7	0	63.2	4.0	0	62.9	4.3	0	62.7	4.5	0	62.5	4.7	0	62.4	4.8	0
R-7.06	EW 7.2*	NB 7.1	El Camino Real	School	1	**68.2** / 43.2	**68.7** / 43.7	**73.9** / 48.9	5.2	5.7	C(67)/D(52)	A/E	**70.6**	3.3	0	**69.7**	4.2	0	**69.0**	4.9	0	**68.7**	5.2	1	**68.3**	5.6	1	**68.1**	5.8	1	**67.9**	6.0	1	**67.7**	6.2	1	**67.6**	6.3	1
R-7.07	EW 7.2*	NB 7.1	El Camino Real	School	1	65.5 / 40.5	65.7 / 40.7	**71.3** / 46.3	5.6	5.8	C(67)/D(52)	A/E	**68.0**	3.3	0	**67.0**	4.3	0	65.9	5.4	1	65.3	6.0	1	64.8	6.5	1	64.4	6.9	1	64.1	7.2	1	63.8	7.5	1	63.6	7.7	1
R-7.08	EW 7.2*	NB 7.1	El Camino Real	School	1	65.2 / 40.2	65.4 / 40.4	69.5 / 44.5	4.1	4.3	D(52)	A/E	66.7	2.8	0	65.7	3.8	0	64.6	4.9	0	63.8	5.7	1	63.3	6.2	1	62.9	6.6	1	62.6	6.9	1	62.2	7.3	1	62	7.5	1
R-7.09			El Camino Real	Commercial	1	70.4	70.5	70.7	0.2	0.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.10		NB 7.1	El Camino Real	School	1	**71.8** / 46.8	**72.3** / 47.3	**73.5** / 48.5	1.2	1.7	C(67)/D(52)	A/E	**71.5**	2.0	0	**71.2**	2.3	0	**70.7**	2.8	0	**70.3**	3.2	0	**70.1**	3.4	0	**70.0**	3.5	0	**69.9**	3.6	0	**69.8**	3.7	0	**69.7**	3.8	0
R-7.11		NB 7.1	El Camino Real	Residential	1	**66.3**	**66.5**	**67.1**	0.6	0.8	B(67)	A/E	64.4	2.7	0	63.7	3.4	0	62.6	4.5	0	61.8	5.3	1	61.4	5.7	1	61.1	6.0	1	60.8	6.3	1	60.6	6.5	1	60.5	6.6	1
R-7.12			Newport Avenue	Vacant Land	1	71.0	71.1	72.2	1.1	1.2	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.13			Newport Avenue	Restaurant	1	72.6	73.1	76.0	2.9	3.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.14			El Camino Way	Commercial	1	71.6	71.7	72.3	0.6	0.7	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.15			Newport Avenue	Restaurant	1	67.3	67.6	70.4	2.8	3.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.16			El Camino Real	Retail	1	64.7	64.8	65.5	0.7	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.17			El Camino Real	Restaurant/Retail	1	61.8	61.9	62.3	0.4	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.18			South B Street	Office	1	71.7	71.8	71.4	-0.4	-0.3	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.19			South B Street	Light Industrial	1	72.8	72.9	72.5	-0.4	-0.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.20			West 6th Street	Light Industrial	1	82.1	82.2	83.7	1.5	1.6	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.21	EW 7.3*	NB 7.2	West 6th Street	After School Facility	1	**68.1** / 43.1	**68.2** / 43.2	**82.5** / **57.5**	14.3	14.4	C(67)/D(52)	A/E	**76.5**	6.0	1	**73.6**	8.9	1	**70.6**	11.9	1	**68.8**	13.7	1	**67.5**	15.0	1	**66.8**	15.7	1	65.8	16.7	1	64.9	17.6	1	64.3	18.2	1
R-7.22	EW 7.3*	NB 7.2	West 6th Street	Church	1	**68.9** / 43.9	**69** / 44	**82.2** / **57.2**	13.2	13.3	C(67)/D(52)	A/E	**76.0**	6.2	1	**73.7**	8.5	1	**71.2**	11.0	1	**69.6**	12.6	1	**68.4**	13.8	1	**67.3**	14.9	1	**66.4**	15.8	1	65.7	16.5	1	64.8	17.4	1
R-7.23	EW 7.3*	NB 7.2	Pacific Street	Residential	1	59.2	59.2	63.3	4.1	4.1	B(67)	--	61.5	1.8	0	60.9	2.4	0	60.3	3.0	0	59.9	3.4	0	58.9	4.4	0	58.5	4.8	0	58.2	5.1	1	58.0	5.3	1	57.7	5.6	1
R-7.24	EW 7.3*	NB 7.2	Pacific Street	Residential	1	59.8	59.8	**66.6**	6.8	6.8	B(67)	A/E	63.5	3.1	0	62.5	4.1	0	61.9	4.7	0	61.2	5.4	1	59.6	7.0	1	58.8	7.8	1	58.2	8.4	1	57.7	8.9	1	57.2	9.4	1
R-7.25	EW 7.3*	NB 7.2	West 6th Street	Residential	4	54.5	54.6	56.7	2.1	2.2	B(67)	--	56.0	0.7	0	55.6	1.1	0	55.3	1.4	0	55.1	1.6	0	54.6	2.1	0	54.4	2.3	0	54.2	2.5	0	54.1	2.6	0	54.0	2.7	0
R-7.26	EW 7.4*	NB 7.2	West 6th Street	Residential	4	53.9	54.0	56.1	2.1	2.2	B(67)	--	55.3	0.8	0	55.0	1.1	0	54.6	1.5	0	54.4	1.7	0	54.1	2.0	0	54.1	2.0	0	54.1	2.0	0	54.0	2.1	0	53.7	2.4	0
R-7.27	EW 7.4*	NB 7.2	West 6th Street	Residential	2	58.2	58.2	65.5	7.3	7.3	B(67)	--	62.2	3.3	0	61.2	4.3	0	60.6	4.9	0	59.9	5.6	2	58.3	7.2	2	57.4	8.1	2	56.7	8.8	2	56.2	9.3	2	55.8	9.7	2
R-7.28	EW 7.4*	NB 7.2	West 6th Street	Residential	2	55.4	55.5	59.9	4.4	4.5	B(67)	--	57.8	2.1	0	57.2	2.7	0	56.8	3.1	0	56.4	3.5	0	55.6	4.3	0	55.3	4.6	0	55.1	4.8	0	54.7	5.2	2	54.4	5.5	2
R-7.29	EW 7.4*	NB 7.2	West 6th Street	Residential	4	45.7	45.8	46.0	0.2	0.3	B(67)	--	46.0	0.0	0	46.0	0.0	0	46.0	0.0	0	46.0	0.0	0	46.0	0.0	0	46.0	0.0	0	46.0	0.0	0	45.8	0.2	0	45.4	0.6	0
R-7.30	EW 7.4*	NB 7.2	West 6th Street	Residential	4	47.2	47.4	47.4	0.0	0.2	B(67)	--	47.4	0.0	0	47.4	0.0	0	47.4	0.0	0	47.4	0.0	0	47.4	0.0	0	47.4	0.0	0	47.4	0.0	0	47.4	0.0	0	47.2	0.2	0

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																							
													Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																							
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-7.31	EW 7.4*	NB 7.2	West 6th Street	Residential	4	52.1	52.1	52.3	0.2	0.2	B(67)	--	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0
R-7.32	EW 7.4		West 6th Street	Residential	4	51.2	51.4	51.5	0.1	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.33	EW 7.4		West 6th Street	Residential	4	50.5	50.7	50.8	0.1	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.34	EW 7.4		West 6th Street	Residential	4	53.4	53.4	53.6	0.2	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.35	EW 7.4		West 6th Street	Residential	4	57.2	57.1	57.5	0.4	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.36	EW 7.4		West 6th Street	Residential	4	56.5	56.6	56.7	0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.37	EW 7.4		West 6th Street	Residential	4	56.5	56.6	56.8	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.38	EW 7.4		West 6th Street	Residential	4	60.5	60.4	60.7	0.3	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.39	EW 7.4		West 6th Street	Residential	4	60.6	60.5	60.8	0.3	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.40	EW 7.4		West 6th Street	Residential	4	57.0	56.8	57.1	0.3	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.41	EW 7.4		West Main Street	Residential	4	59.0	59.1	59.3	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.42	EW 7.4		West Main Street	Residential	4	58.7	58.8	58.9	0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.43	EW 7.4		West Main Street	Residential	4	58.3	58.3	58.5	0.2	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.44	EW 7.4		West Main Street	Residential	4	64.3	64.2	64.4	0.2	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.45	EW 7.4		West Main Street	Residential	4	64.1	64.0	64.2	0.2	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.46	EW 7.4		West Main Street	Residential	4	65.5	65.5	65.6	0.1	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.01			Spectrum Center Drive	Retail	1	63.8	63.3	64.3	1.0	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.02			Spectrum Center Drive	Retail	1	67.6	67.6	68.0	0.4	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.03			Spectrum Center Drive	Retail	1	63.7	63.9	63.9	0.0	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.04			Spectrum Center Drive	Parking Lot	1	65.7	66.1	66.3	0.2	0.6	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.05			Glen Bell Way	Office	1	63.3	63.7	64.3	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.06			Gateway	Office	1	67.8	68.2	68.7	0.5	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.07			Irvine Center Drive	Office	1	63.8	64.2	64.9	0.7	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.08			Irvine Center Drive	Office	1	64.8	65.2	65.0	-0.2	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.09			Irvine Center Drive	Office	1	64.0	64.3	64.8	0.5	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.10			Irvine Center Drive	Office	1	59.9	60.1	59.9	-0.2	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.11			Discovery	Office	1	64.1	64.3	64.2	-0.1	0.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.12			Discovery	Office	1	67.7	68.0	68.0	0.0	0.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.13			Discovery	Office	1	69.1	69.5	69.7	0.2	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.14			Discovery	Vacant Land	1	70.7	71.1	71.2	0.1	0.5	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.01			Sand Canyon Avenue	Office	1	69.0	69.6	69.9	0.3	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.02			Sand Canyon Avenue	Hotel	1	69.6	70.1	70.6	0.5	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.03			Sand Canyon Avenue	Restaurant	1	69.7	70.2	70.5	0.3	0.8	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.04			Sand Canyon Avenue	Restaurant	1	69.8	70.4	70.7	0.3	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.05			Sand Canyon Avenue	Commercial	1	74.1	75.1	75.9	0.8	1.8	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.06			Burt Road	Vacant Land	1	67.1	67.6	68.5	0.9	1.4	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.07			Walnut Avenue	Vacant Land	1	67.1	67.7	67.9	0.2	0.8	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.08			Walnut Avenue	Golf Course	1	56.3	56.8	57.1	0.3	0.8	C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.09			Walnut Avenue	Golf Course	1	55.2	55.6	55.6	0.0	0.4	C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.10			Walnut Avenue	Parking Lot	1	70.3	70.8	71.2	0.4	0.9	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.01			Walnut Avenue	Restaurant	1	61.4	61.6	61.8	0.2	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.02			Walnut Avenue	Retail	1	58.0	58.2	58.8	0.6	0.8	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.03			Walnut Avenue	Restaurant	1	56.0	56.3	58.1	1.8	2.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.04			Walnut Avenue	Restaurant	1	56.0	56.7	56.8	0.1	0.8	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.05	EW 10.1*		Topeka	Day Care Center	1	56.9 / 31.9	57.1 / 32.1	64.6 / 39.6	7.5	7.7	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.06	EW 10.1*		Topeka	Day Care Center	1	60.3	60.5	63.5	3.0	3.2	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.07	EW 10.1*		Austin	Residential	2	60.3	60.8	62.0	1.2	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.08	EW 10.1*	NB 10.1	Austin	Residential	2	64.4	64.9	**66.3**	1.4	1.9	B(67)	A/E	65.9	0.4	0	65.6	0.7	0	65.3	1.0	0	65.2	1.1	0	64.9	1.4	0	64.9	1.4	0	64.8	1.5	0	64.9	1.4	0	64.9	1.4	0
R-10.09	EW 10.1*	NB 10.1	Austin	Residential	1	59.9	60.4	61.7	1.3	1.8	B(67)	--	61.2	0.5	0	61.2	0.5	0	61.0	0.7	0	60.7	1.0	0	60.4	1.3	0	60.3	1.4	0	60.3	1.4	0	60.4	1.3	0	60.4	1.3	0
R-10.10	EW 10.1*	NB 10.1	Austin	Residential	1	60.5	60.9	62.6	1.7	2.1	B(67)	--	62.0	0.6	0	62.0	0.6	0	61.8	0.8	0	61.5	1.1	0	61.3	1.3	0	61.2	1.4	0	61.1	1.5	0	61.1	1.5	0	61.1	1.5	0
R-10.11	EW 10.1*	NB 10.1	Austin	Residential	1	64.8	65.2	**66.9**	1.7	2.1	B(67)	A/E	**66.5**	0.4	0	**66.1**	0.8	0	65.8	1.1	0	65.7	1.2	0	65.4	1.5	0	65.3	1.6	0	65.3	1.6	0	65.4	1.5	0	65.4	1.5	0
R-10.12	EW 10.1*	NB 10.1	Austin	Residential	2	60.6	61.0	62.0	1.0	1.4	B(67)	--	61.5	0.5	0	61.5	0.5	0	61.2	0.8	0	60.9	1.1	0	60.7	1.3	0	60.5	1.5	0	60.5	1.5	0	60.5	1.5	0	60.5	1.5	0
R-10.13	EW 10.1*	NB 10.1	Austin	Residential	2	64.3	64.7	**66.4**	1.7	2.1	B(67)	A/E	**66.1**	0.3	0	65.7	0.7	0	65.5	0.9	0	65.3	1.1	0	65.1	1.3	0	65.0	1.4	0	65.0	1.4	0	65.1	1.3	0	65.1	1.3	0
R-10.14	EW 10.1*	NB 10.1	Austin	Residential	2	58.4	58.8	59.4	0.6	1.0	B(67)	--	59.4	0.0	0	59.4	0.0	0	59.4	0.0	0	59.4	0.0	0	59.4	0.0	0	59.4	0.0	0	59.4	0.0	0	59.3	0.1	0	59.3	0.1	0
R-10.15	EW 10.1*	NB 10.1	Austin	Residential	2	59.7	60.0	63.7	3.7	4.0	B(67)	--	62.9	0.8	0	62.2	1.5	0	61.3	2.4	0	60.5	3.2	0	59.9	3.8	0	59.8	3.9	0	59.8	3.9	0	60.2	3.5	0	60.1	3.6	0
R-10.16	EW 10.1*	NB 10.1	Austin	Residential	1	60.3	60.6	62.7	2.1	2.4	B(67)	--	62.3	0.4	0	62.0	0.7	0	61.7	1.0	0	61.4	1.3	0	61.1	1.6	0	61.0	1.7	0	60.9	1.8	0	61.0	1.7	0	61.0	1.7	0
R-10.17	EW 10.1*	NB 10.1	Austin	Residential	1	60.8	61.2	64.2	3.0	3.4	B(67)	--	63.5	0.7	0	62.8	1.4	0	62.1	2.1	0	61.6	2.6	0	61.1	3.1	0	61.2	3.0	0	61.3	2.9	0	61.3	2.9	0	61.4	2.8	0
R-10.18	EW 10.1*	NB 10.1	Austin	Residential	3	55.5	55.9	59.6	3.7	4.1	B(67)	--	58.9	0.7	0	58.3	1.3	0	57.5	2.1	0	56.7	2.9	0	55.6	4.0	0	54.8	4.8	0	54.4	5.2	3	54.2	5.4	3	54.0	5.6	3
R-10.19	EW 10.1*	NB 10.1	Austin	Residential	3	59.0	59.3	63.1	3.8	4.1	B(67)	--	62.3	0.8	0	61.6	1.5	0	60.7	2.4	0	60.0	3.1	0	59.2	3.9	0	58.6	4.5	0	58.8	4.3	0	58.8	4.3	0	58.9	4.2	0
R-10.20	EW 10.1*	NB 10.1	Austin	Residential	2	59.4	59.7	63.6	3.9	4.2	B(67)	--	62.8	0.8	0	62.2	1.4	0	61.1	2.5	0	60.3	3.3	0	59.5	4.1	0	59.0	4.6	0	59.3	4.3	0	59.8	3.8	0	59.8	3.8	0
R-10.21	EW 10.1*	NB 10.1	Austin	Residential	4	57.3	57.6	65.5	7.9	8.2	B(67)	--	61.9	3.6	0	61.0	4.5	0	59.8	5.7	4	58.4	7.1	4	57.2	8.3	4	56.4	9.1	4	56.0	9.5	4	55.7	9.8	4	55.5	10.0	4
R-10.22	EW 10.1*	NB 10.1	Austin	Residential	2	62.1	62.4	**69.9**	7.5	7.8	B(67)	A/E	**67.2**	2.7	0	65.6	4.3	0	64.2	5.7	2	63.1	6.8	2	61.3	8.6	2	60.4	9.5	2	60.0	9.9	2	59.6	10.3	2	59.5	10.4	2
R-10.23	EW 10.1*	NB 10.1	Austin	Residential	2	59.7	60.0	64.4	4.4	4.7	B(67)	--	62.8	1.6	0	62.3	2.1	0	61.8	2.6	0	60.6	3.8	0	59.7	4.7	0	59.1	5.3	2	58.8	5.6	2	58.5	5.9	2	58.4	6.0	2

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																															
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																									
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-10.24	EW 10.1*	NB 10.1	Austin	Residential	2	64.7	64.9	**70.3**	5.4	5.6	B(67)	A/E	**68.2**	2.1	0	**67.0**	3.3	0	**66.0**	4.3	0	65.2	5.1	2	64.3	6.0	2	63.9	6.4	2	63.6	6.7	2	63.4	6.9	2	63.4	6.9	2
R-10.25	EW 10.1*	NB 10.1	Austin	Residential	2	56.3	56.6	61.4	4.8	5.1	B(67)	--	60.6	0.8	0	59.9	1.5	0	58.6	2.8	0	57.4	4.0	0	56.1	5.3	2	55.5	5.9	2	55.1	6.3	2	54.8	6.6	2	54.6	6.8	2
R-10.26	EW 10.1*	NB 10.1	Austin	Residential	2	60.1	60.4	65.2	4.8	5.1	B(67)	--	64.4	0.8	0	63.6	1.6	0	62.3	2.9	0	61.1	4.1	0	60.0	5.2	2	59.1	6.1	2	58.7	6.5	2	58.8	6.4	2	59.2	6.0	2
R-10.27	EW 10.1*	NB 10.1	Austin	Residential	2	60.6	60.9	65.3	4.4	4.7	B(67)	--	64.5	0.8	0	63.8	1.5	0	62.6	2.7	0	61.6	3.7	0	60.6	4.7	0	60.0	5.3	2	59.8	5.5	2	60.5	4.8	0	60.4	4.9	0
R-10.28	EW 10.1*	NB 10.1	Austin	Residential	4	57.2	57.5	62.4	4.9	5.2	B(67)	--	61.6	0.8	0	60.8	1.6	0	59.4	3.0	0	58.1	4.3	0	56.8	5.6	4	56.2	6.2	4	55.9	6.5	4	55.7	6.7	4	55.6	6.8	4
R-10.29	EW 10.1*	NB 10.1	Austin	Residential	2	60.5	60.8	**68.7**	7.9	8.2	B(67)	A/E	**66.0**	2.7	0	64.7	4.0	0	63.3	5.4	2	61.7	7.0	2	60.3	8.4	2	59.6	9.1	2	58.9	9.8	2	58.6	10.1	2	59.6	9.1	2
R-10.30	EW 10.1*	NB 10.1	Austin	Residential	2	58.5	58.7	**66.4**	7.7	7.9	B(67)	A/E	63.5	2.9	0	62.6	3.8	0	60.9	5.5	2	59.6	6.8	2	58.1	8.3	2	57.4	9.0	2	56.8	9.6	2	56.3	10.1	2	55.9	10.5	2
R-10.31	EW 10.1*	NB 10.1	Austin	Residential	2	61.2	61.5	**69.9**	8.4	8.7	B(67)	A/E	**67.1**	2.8	0	65.5	4.4	0	64.1	5.8	2	62.3	7.6	2	60.8	9.1	2	60.0	9.9	2	59.1	10.8	2	58.6	11.3	2	58.3	11.6	2
R-10.32	EW 10.1*	NB 10.1	Austin	Residential	1	60.0	60.3	**67.0**	6.7	7.0	B(67)	A/E	65.0	2.0	0	63.8	3.2	0	62.5	4.5	0	61.0	6.0	1	59.8	7.2	1	59.2	7.8	1	58.5	8.5	1	58.2	8.8	1	59.4	7.6	1
R-10.33	EW 10.1*	NB 10.1	Austin	Residential	2	57.0	57.3	61.9	4.6	4.9	B(67)	--	61.1	0.8	0	60.3	1.6	0	59.1	2.8	0	58.0	3.9	0	56.6	5.3	2	56.1	5.8	2	55.6	6.3	2	55.1	6.8	2	55.0	6.9	2
R-10.34	EW 10.1*	NB 10.1	Austin	Residential	2	62.2	62.4	**66.6**	4.2	4.4	B(67)	A/E	65.9	0.7	0	65.2	1.4	0	64.0	2.6	0	63.0	3.6	0	62.1	4.5	0	61.7	4.9	0	61.5	5.1	2	61.3	5.3	2	61.2	5.4	2
R-10.35	EW 10.1*	NB 10.1	Austin	Residential	4	63.8	64.0	**75.6**	11.6	11.8	B(67)	A/E	**72.6**	3.0	0	**71.3**	4.3	0	**70.7**	4.9	0	**70.0**	5.6	4	**69.7**	5.9	4	**69.5**	6.1	4	**69.3**	6.3	4	**69.2**	6.4	4	**69.2**	6.4	4
R-10.36	EW 10.1*	NB 10.1	Austin	Residential	4	60.4	60.6	**70.4**	9.8	10.0	B(67)	A/E	**66.6**	3.8	0	65.1	5.3	4	63.1	7.3	4	62.0	8.4	4	61.1	9.3	4	60.2	10.2	4	59.5	10.9	4	58.9	11.5	4	58.4	12.0	4
R-10.37	EW 10.1*	NB 10.1	Austin	Residential	4	61.7	61.9	**73.6**	11.7	11.9	B(67)	A/E	**67.6**	6.0	4	**66.3**	7.3	4	64.2	9.4	4	62.9	10.7	4	62.0	11.6	4	61.1	12.5	4	60.5	13.1	4	59.8	13.8	4	59.3	14.3	4
R-10.38	EW 10.1*	NB 10.1	Austin	Residential	4	62.4	62.6	**75.1**	12.5	12.7	B(67)	A/E	**70.6**	4.5	0	**68.4**	6.7	4	**67.1**	8.0	4	64.5	10.6	4	63.1	12.0	4	61.9	13.2	4	60.9	14.2	4	60.3	14.8	4	59.4	15.7	4
R-10.39	EW 10.1*	NB 10.1	Austin	Residential	4	63.4	63.6	**76.1**	12.5	12.7	B(67)	A/E	**71.7**	4.4	0	**69.4**	6.7	4	**68.0**	8.1	4	65.4	10.7	4	64.0	12.1	4	62.9	13.2	4	61.6	14.5	4	60.8	15.3	4	60.1	16.0	4
R-10.40	EW 10.1*	NB 10.1	Austin	Residential	4	63.8	64.0	**78.1**	14.1	14.3	B(67)	A/E	**70.0**	8.1	4	**67.8**	10.3	4	**66.5**	11.6	4	65.5	12.6	4	64.6	13.5	4	63.8	14.3	4	63.1	15.0	4	62.3	15.8	4	61.8	16.3	4
R-10.41	EW 10.1*	NB 10.1	Austin	Residential	6	57.4	57.6	**67.8**	10.2	10.4	B(67)	A/E	63.8	4.0	0	62.8	5.0	6	60.8	7.0	6	59.5	8.3	6	58.3	9.5	6	57.5	10.3	6	57.1	10.7	6	56.9	10.9	6	56.8	11.0	6
R-10.42	EW 10.1*	NB 10.1	Walnut Avenue	Residential	6	56.0	56.2	64.9	8.7	8.9	B(67)	--	62.0	2.9	0	61.0	3.9	0	59.7	5.2	6	58.6	6.3	6	56.9	8.0	6	55.8	9.1	6	55.4	9.5	6	55.6	9.3	6	55.6	9.3	6
R-10.43	EW 10.1*	NB 10.1	Walnut Avenue	Residential	6	51.4	51.7	56.5	4.8	5.1	B(67)	--	55.6	0.9	0	54.5	2.0	0	53.6	2.9	0	53.2	3.3	0	52.4	4.1	0	51.8	4.7	0	51.2	5.3	6	50.6	5.9	6	50.1	6.4	6
R-10.44	EW 10.1*	NB 10.1	Walnut Avenue	Residential	3	58.9	59.1	**69.6**	10.5	10.7	B(67)	A/E	64.8	4.8	0	63.7	5.9	3	62.5	7.1	3	60.9	8.7	3	59.7	9.9	3	58.4	11.2	3	57.7	11.9	3	56.8	12.8	3	56.0	13.6	3
R-10.45	EW 10.1*	NB 10.1	Walnut Avenue	Residential	4	59.2	59.5	**69.7**	10.2	10.5	B(67)	A/E	64.8	4.9	0	64.0	5.7	4	62.9	6.8	4	61.7	8.0	4	60.4	9.3	4	58.8	10.9	4	57.9	11.8	4	57.2	12.5	4	56.8	12.9	4
R-10.46	EW 10.1*	NB 10.1	Walnut Avenue	Residential	6	61.3	61.5	**74.1**	12.6	12.8	B(67)	A/E	**67.5**	6.6	6	**66.0**	8.1	6	64.5	9.6	6	63.5	10.6	6	62.3	11.8	6	60.9	13.2	6	60.0	14.1	6	59.2	14.9	6	58.6	15.5	6
R-10.47	EW 10.1*	NB 10.1	Walnut Avenue	Church	1	64.9 / 39.9	65.1 / 40.1	**79.8 / 54.8**	14.7	14.9	C(67)/D(52)	A/E	**71.6**	8.2	1	**69.6**	10.2	1	**67.6**	12.2	1	**66.5**	13.3	1	65.5	14.3	1	64.7	15.1	1	63.9	15.9	1	63.3	16.5	1	62.6	17.2	1
R-10.48	EW 10.1*	NB 10.1	Walnut Avenue	Church/ School	1	55.3 / 30.3	55.6 / 30.6	64.1 / 39.1	8.5	8.8	C(67)/D(52)	--	60.4	3.7	0	59.8	4.3	0	58.8	5.3	1	57.5	6.6	1	56.5	7.6	1	55.6	8.5	1	54.8	9.3	1	54.2	9.9	1	53.7	10.4	1
R-10.49	EW 10.1*	NB 10.1	Walnut Avenue	Church	1	64.5	64.6	**79.9**	15.3	15.4	C(67)	A/E	**71.8**	8.1	1	**69.4**	10.5	1	**67.5**	12.4	1	**66.2**	13.7	1	65.2	14.7	1	64.2	15.7	1	63.3	16.6	1	62.7	17.2	1	61.8	18.1	1
R-10.50	EW 10.1*	NB 10.1	Raleigh	Residential	5	61.8	62.0	**74.5**	12.5	12.7	B(67)	A/E	**68.3**	6.2	5	**66.7**	7.8	5	64.9	9.6	5	63.7	10.8	5	62.8	11.7	5	62.0	12.5	5	61.3	13.2	5	60.5	14.0	5	60.0	14.5	5
R-10.51	EW 10.1*	NB 10.1	Albany	Residential	3	51.8	52.1	61.4	9.3	9.6	B(67)	--	58.2	3.2	0	57.4	4.0	0	56.2	5.2	3	55.0	6.4	3	53.5	7.9	3	52.4	9.0	3	51.6	9.8	3	51.2	10.2	3	50.9	10.5	3
R-10.52	EW 10.1*	NB 10.1	Albany	Residential	3	46.8	47.1	49.8	2.7	3.0	B(67)	--	49.6	0.2	0	49.3	0.5	0	48.9	0.9	0	48.5	1.3	0	48.0	1.8	0	47.4	2.4	0	46.9	2.9	0	46.4	3.4	0	46.0	3.8	0
R-10.53	EW 10.1*	NB 10.1	Heritage	Residential	3	47.8	48.2	51.1	2.9	3.3	B(67)	--	50.8	0.3	0	50.3	0.8	0	49.9	1.2	0	49.6	1.5	0	49.0	2.1	0	48.5	2.6	0	48.2	2.9	0	47.6	3.5	0	47.4	3.7	0
R-10.54	EW 10.1*	NB 10.1	Heritage	Residential	5	49.4	49.7	55.8	6.1	6.4	B(67)	--	53.7	2.1	0	52.9	2.9	0	52.1	3.7	0	51.5	4.3	0	50.6	5.2	5	50.0	5.8	5	49.4	6.4	5	48.8	7.0	5	48.5	7.3	5
R-10.55	EW 10.1*	NB 10.1	Heritage	Residential	2	61.3	61.5	**75.2**	13.7	13.9	B(67)	A/E	**68.5**	6.7	2	**67.1**	8.1	2	65.2	10.0	2	63.7	11.5	2	62.6	12.6	2	61.8	13.4	2	61.0	14.2	2	60.3	14.9	2	59.8	15.4	2
R-10.56	EW 10.1*	NB 10.1	Heritage	Residential	4	60.0	60.2	**73.3**	13.1	13.3	B(67)	A/E	**67.1**	6.2	4	**66.0**	7.3	4	64.2	9.1	4	62.5	10.8	4	61.5	11.8	4	60.6	12.7	4	60.0	13.3	4	59.3	14.0	4	58.8	14.5	4
R-10.57	EW 10.1*	NB 10.1	Raleigh	Residential	3	60.6	60.8	**75.0**	14.2	14.4	B(67)	A/E	**68.0**	7.0	3	**66.6**	8.4	3	64.8	10.2	3	63.2	11.8	3	62.1	12.9	3	61.2	13.8	3	60.4	14.6	3	59.7	15.3	3	59.1	15.9	3
R-10.58	EW 10.1*	NB 10.1	Raleigh	Residential	2	62.3	62.4	**79.0**	16.6	16.7	B(67)	A/E	**70.0**	9.0	2	**68.0**	11.0	2	65.9	13.1	2	64.8	14.2	2	63.7	15.3	2	62.8	16.2	2	61.8	17.2	2	61.2	17.8	2	60.6	18.4	2
R-10.59	EW 10.1*	NB 10.1	Montgomery	Residential	3	61.0	61.2	**77.2**	16.0	16.2	B(67)	A/E	**69.6**	7.6	3	**68.0**	9.2	3	65.6	11.6	3	64.1	13.1	3	63.0	14.2	3	61.9	15.3	3	61.1	16.1	3	60.2	17.0	3	59.6	17.6	3
R-10.60	EW 10.1*	NB 10.1	Montgomery	Residential	3	57.0	57.2	**70.6**	13.4	13.6	B(67)	A/E	64.7	5.9	3	63.4	7.2	3	62.1	8.5	3	60.1	10.5	3	58.9	11.7	3	57.9	12.7	3	57.0	13.6	3	56.2	14.4	3	55.5	15.1	3
R-10.61	EW 10.1*	NB 10.1	Heritage	Residential	5	57.5	57.7	**69.1**	11.4	11.6	B(67)	A/E	63.8	5.3	5	62.9	6.2	5	61.9	7.2	5	60.1	9.0	5	59.1	10.0	5	58.2	10.9	5	57.5	11.6	5	56.8	12.3	5	56.4	12.7	5
R-10.62	EW 10.1*	NB 10.1	Montgomery	Residential	3	58.0	58.1	**74.4**	16.3	16.4	B(67)	A/E	**66.8**	7.6	3	64.8	9.6	3	62.4	12.0	3	60.9	13.5	3	59.8	14.6	3	59.2	15.2	3	58.6	15.8	3	58.1	16.3	3	57.7	16.7	3
R-10.63	EW 10.1*	NB 10.1	Montgomery	Residential	5	52.1	52.3	65.5	13.2	13.4	B(67)	Sub	59.9	5.6	5	58.8	6.7	5	57.6	7.9	5	55.6	9.9	5	54.3	11.2	5	53.0	12.5	5	52.1	13.4	5	51.4	14.1	5	50.7	14.8	5
R-10.64	EW 10.1*	NB 10.1	Lincoln	Residential	5	61.1	61.3	**75.7**	14.4	14.6	B(67)	A/E	**69.1**	6.6	5	**67.6**	8.1	5	65.9	9.8	5	64.3	11.4	5	63.1	12.6	5	62.0	13.7	5	61.4	14.3	5	60.8	14.9	5	60.2	15.5	5
R-10.65	EW 10.1*	NB 10.1	Lincoln	Residential	5	57.2	57.5	**68.8**	11.3	11.6	B(67)	A/E	64.0	4.8	0	63.1	5.7	5	62.1	6.7	5	60.2	8.6	5	59.0	9.8	5	58.1	10.7	5	57.4	11.4	5	56.7	12.1	5	56.2	12.6	5
R-10.66	EW 10.1*	NB 10.1	Lincoln	Residential	5	62.1	62.3	**71.3**	9.0	9.2	B(67)	A/E	**67.9**	3.4	0	**66.7**	4.6	0	65.5	5.8	5	64.3	7.0	5	63.5	7.8	5	62.7	8.6	5	62.0	9.3	5	61.8	9.5	5	62.1	9.2	5
R-10.67	EW 10.1*	NB 10.1	Lincoln	Residential	5	59.6	59.9	**69.2**	9.3	9.6	B(67)	A/E	65.8	3.4	0	65.4	3.8	0	64.9	4.3	0	62.8	6.4	5	61.5	7.7	5	60.5	8.7	5	59.7	9.5	5	59.0	10.2	5	58.3	10.9	5
R-10.68	EW 10.1*	NB 10.1	Helena	Residential	5	62.3	62.5	**72.9**	10.4	10.6	B(67)	A/E	**68.8**	4.1	0	**67.5**	5.4	5	**66.1**	6.8	5	64.8	8.1	5	63.9	9.0	5	63.1	9.8	5	62.5	10.4	5	61.9	11.0	5	61.4	11.5	5
R-10.69	EW 10.1*	NB 10.1	Helena	Residential	5	59.3	59.5	**67.9**	8.4	8.6	B(67)	A/E	**66.4**	1.5	0	64.7	3.2	0	63.4	4.5	0	61.8	6.1	5	61.0	6.9	5	60.2	7.7	5	59.5	8.4	5	59.1	8.8	5	58.7	9.2	5
R-10.70	EW 10.1*	NB 10.1	Helena	Residential	5	61.7	61.9	**72.3**	10.4	10.6	B(67)	A/E	**69.1**	3.2	0	**67.4**	4.9	0	65.5	6.8	5	64.2	8.1	5	63.5	8.8	5	62.4	9.9	5	61.7	10.6	5	61.3	11.0	5	60.5	11.8	5
R-10.71	EW 10.1*	NB 10.1	Baton Rouge	Residential	5	51.9	52.1	57.3	5.2	5.4	B(67)	--	56.1	1.2	0	55.5	1.8	0	55.1	2.2	0	54.5	2.8	0	53.5	3.8	0	52.8	4.5	0	52.2	5.1	5	51.7	5.6	5	51.2	6.1	5
R-10.72	EW 10.1*	NB 10.1	Baton Rouge	Residential	5	51.4	51.6	56.8	5.2	5.4	B(67)	--	55.4	1.4	0	54.9	1.9	0	54.5	2.3	0	54.0	2.8	0	53.1	3.7	0	52.4	4.4	0	51.8	5.0	5	51.3	5.5	5	50.9	5.9	5
R-10.73	EW 10.1*	NB 10.1	Helena	Residential	5	62.0	62.2	**74.1**	11.9	12.1	B(67)	A/E	**69.4**	4.7	0	**67.7**	6.4	5	65.7	8.4	5	64.8	9.3	5	63.6	10.5	5	63.0	11.1	5	62.6	11.5	5	62.0	12.1	5	61.5	12.6	5
R-10.74	EW 10.1*	NB 10.1	Cheyenne	Residential	5	60.6	60.8	**73.0**	12.2	12.4	B(67)	A/E	**68.4**	4.6	0	**66.4**	6.6	5	64.4	8.6	5	63.3	9.7	5	62.2	10.8	5	61.3	11.7	5	60.7	12.3	5	59.7	13.3	5	59.2	13.8	5
R-10.75	EW 10.1*	NB 10.1	Bismark	Residential	5	47.9	48.2	52.6	4.4	4.7	B(67)	--	51.5	1.1	0	51.1	1.5	0	50.9	1.7	0	50.4	2.2	0	49.6	3.0	0	49.1	3.5	0	48.6	4.0	0	48.1	4.5	0	47.8	4.8	0
R-10.76	EW 10.1*	NB 10.1	Heritage	Residential	5	47.9	48.2	52.2	4.0	4.3	B(67)	--	51.3	0.9	0	50.9	1.3	0	50.8	1.4	0	50.6	1.6	0	49.9	2.3	0	49.4	2.8	0	48.9	3.3	0	48.5	3.7	0	48.2	4.0	0
R-10.77	EW 10.1*	NB 10.1	Cheyenne	Residential	5	59.4	59.6	**71.6**	12.0	12.2	B(67)	A/E	**67.4**	4.2	0	65.5	6.1	5	63.4	8.2	5	62.2	9.4	5	61.1	10.5	5	60.5	11.1	5	60.0	11.6	5	59.1	12.5	5	58.7	12.9	5
R-10.78	EW 10.1*	NB 10.1	Cheyenne	Residential	5	58.8	59.0	**68.3**	9.3	9.5	B(67)	A/E	64.2	4.1	0	63.0	5.3	5	61.9	6.4	5	60.9	7.4	5	60.3	8.0	5	59.8	8.5	5	59.4	8.9	5	59.1	9.2	5	58.8	9.5	5
R-10.79	EW 10.1*	NB 10.1	Cheyenne	Residential	5	61.7	61.9	**69.2**	7.3	7.5	B(67)	A/E	**66.2**	3.0	0	65.2	4.0	0	64.4	4.8	0	63.6	5.6	5	63.1	6.1	5	62.8	6.4	5	62.5	6.7	5	62.3	6.9	5	62.2	7.0	5
R-10.80	EW 10.1*	NB 10.1	Denver	Residential	4	53.8	54.1	57.8	3.7	4.0	B(67)	--	57.4	0.4	0	57.1	0.7	0	56.8	1.0	0	56.2	1.6	0	55.7	2.1	0	55.3	2.5	0	55.1	2.7	0	55.0	2.8	0	54.9	2.9	0
R-10.81	EW 10.1*	NB 10.1	Denver	Residential	5	52.6	52.8	55.3	2.5	2.7	B(67)	--	55.3	0.0	0	55.3	0.0	0	55.3	0.0	0	55.3	0.0	0	55.3	0.0	0	55.1	0.2	0	55.0	0.3	0	54.8	0.5	0	54.7	0.6	0
R-11.01	EW 11.1*	NB 11.1	Yale Avenue	Institution	1	60.8 / 35.8	61.3 / 36.3	65.1 / 40.1	3.8	4.3	D(52)	A/E	63.1	2	0	63	2.1	0	62.8	2.3	0	62.5	2.6	0	62.4	2.7	0	62.3	2.8	0	62.2	2.9	0	62.2	2.9	0	62.1	3	0
R-11.02	EW 11.1*	NB 11.1	Yale Avenue	Community Center	1	63.1 / 38.1	63.4 / 38.4	70.4 / 45.4	7.0	7.3	D(52)	A/E	66.2	4.2	0	65.8	4.6	0	65.1	5.3	1	64.1	6.3	1	63.7	6.7	1	63.3	7.1	1	63.1	7.3	1	62.9	7.5	1	62.7	7.7	1
R-11.03	EW 11.1*	NB 11.1	Yale Avenue	Park - Playground	1	63.6	63.9	**70.1**	6.2	6.5	C(67)	A/E	**66.3**	3.8	0	65.9	4.2	0	65.6	4.5	0	64.8	5.3	1	64.2	5.9	1	63.9	6.2	1	63.7	6.4	1	63.5	6.6	1	63.4	6.7	1
R-11.04	EW 11.1*	NB 11.1	Yale Avenue	Park - Basketball	1	61.9	62.1	**67.6**	5.5	5.7	C(67)	A/E	64.2	3.4	0	64.0	3.6	0	63.8	3.8	0	63.2	4.4	0	62.8	4.8	0	62.6	5.0	0	62.5	5.1	1	62.4	5.2	1	62.3	5.3	1
R-11.05	EW 11.1*	NB 11.1	Yale Avenue	Park - Baseball	1	64.0	64.3	**70.2**	5.9	6.2	C(67)	A/E	**66.7**	3.5	0	**66.4**	3.8	0	**66.1**	4.1	0	65.5	4.7	0	65.0	5.2	1	64.8	5.4	1	64.6	5.6	1	64.5	5.7	1	64.4	5.8	1

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																									
													Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																									
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-11.06	EW 11.1*	NB 11.1	Yale Avenue	Park - Tennis Courts	1	62.8	63.1	**67.6**	4.5	4.8	C(67)	A/E	65.1	2.5	0	65.0	2.6	0	64.9	2.7	0	64.5	3.1	0	64.2	3.4	0	64.1	3.5	0	64.0	3.6	0	64.0	3.6	0	63.9	3.7	0
R-11.07	EW 11.1*	NB 11.1	Yale Avenue	Park - Baseball	1	60.0	60.3	63.9	3.6	3.9	C(67)	--	62.3	1.6	0	62.2	1.7	0	62.1	1.8	0	61.9	2.0	0	61.8	2.1	0	61.8	2.1	0	61.7	2.2	0	61.7	2.2	0	61.7	2.2	0
R-11.08			Walnut Avenue	School - Sports Area	1	54.6	54.8	56.4	1.6	1.8	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.09			Walnut Avenue	Park - Baseball	1	53.5	53.8	55.9	2.1	2.4	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.10	EW 11.2*	NB 11.2	Orangetip	Residential	1	64.4	64.6	**66.2**	1.6	1.8	B(67)	A/E	65.5	0.7	0	64.7	1.5	0	64.2	2.0	0	63.9	2.3	0	63.6	2.6	0	63.4	2.8	0	63.3	2.9	0	63.1	3.1	0	63.0	3.2	0
R-11.11	EW 11.2*	NB 11.2	Orangetip	Residential	2	62.1	62.4	**66.1**	3.7	4.0	B(67)	A/E	64.0	2.1	0	63.1	3.0	0	62.7	3.4	0	62.4	3.7	0	62.2	3.9	0	62.0	4.1	0	61.9	4.2	0	61.8	4.3	0	61.7	4.4	0
R-11.12	EW 11.2*	NB 11.2	Orangetip	Residential	2	61.1	61.4	64.4	3.0	3.3	B(67)	--	62.9	1.5	0	62.2	2.2	0	61.7	2.7	0	61.5	2.9	0	61.2	3.2	0	61.1	3.3	0	60.9	3.5	0	60.8	3.6	0	60.7	3.7	0
R-11.13	EW 11.2*	NB 11.2	Orangetip	Residential	3	59.5	59.8	63.0	3.2	3.5	B(67)	--	61.2	1.8	0	60.2	2.8	0	59.6	3.4	0	59.2	3.8	0	58.9	4.1	0	58.6	4.4	0	58.4	4.6	0	58.3	4.7	0	58.2	4.8	0
R-11.14	EW 11.2*	NB 11.2	Orangetip	Residential	6	59.3	59.5	61.8	2.3	2.5	B(67)	--	60.4	1.4	0	59.9	1.9	0	59.5	2.3	0	59.2	2.6	0	59.0	2.8	0	58.8	3.0	0	58.7	3.1	0	58.7	3.1	0	58.6	3.2	0
R-11.15	EW 11.2*	NB 11.2	Bird Wing	Residential	1	60.8	61.1	63.7	2.6	2.9	B(67)	--	59.9	3.8	0	59.0	4.7	0	58.1	5.6	1	57.4	6.3	1	56.8	6.9	1	56.3	7.4	1	55.8	7.9	1	55.4	8.3	1	55.1	8.6	1
R-11.16	EW 11.2*	NB 11.2	Bird Wing	Residential	1	63.6	63.8	64.2	0.4	0.6	B(67)	--	62.2	2.0	0	61.4	2.8	0	60.9	3.3	0	60.3	3.9	0	59.8	4.4	0	59.5	4.7	0	59.2	5.0	1	58.9	5.3	1	58.6	5.6	1
R-11.17	EW 11.3	NB 11.2	Bird Wing	Residential	2	63.6	63.9	64.8	0.9	1.2	B(67)	--	62.3	2.5	0	60.8	4.0	0	59.8	5.0	2	58.8	6.0	2	58.1	6.7	2	57.4	7.4	2	56.9	7.9	2	56.5	8.3	2	56.2	8.6	2
R-11.18	EW 11.2*	NB 11.2	Bird Wing	Residential	2	62.7	63.0	65.5	2.5	2.8	B(67)	--	63.8	1.7	0	62.8	2.7	0	62.1	3.4	0	61.5	4.0	0	61.0	4.5	0	60.7	4.8	0	60.4	5.1	2	60.3	5.2	2	60.1	5.4	2
R-11.19	EW 11.3	NB 11.2	Skipper	Residential	1	57.9	58.2	58.3	0.1	0.4	B(67)	--	56.7	1.6	0	56.0	2.3	0	55.4	2.9	0	54.7	3.6	0	54.1	4.2	0	53.7	4.6	0	53.5	4.8	0	53.3	5.0	1	53.1	5.2	1
R-11.20	EW 11.3	NB 11.2	Skipper	Residential	1	63.6	63.8	63.6	-0.2	0.0	B(67)	--	62.6	1.0	0	62.2	1.4	0	61.5	2.1	0	60.6	3.0	0	59.7	3.9	0	59.0	4.6	0	58.4	5.2	1	58.0	5.6	1	57.5	6.1	1
R-11.21	EW 11.3	NB 11.2	Skipper	Residential	1	62.6	62.8	62.8	0.0	0.2	B(67)	--	62.1	0.7	0	61.8	1.0	0	61.4	1.4	0	60.7	2.1	0	59.8	3.0	0	59.0	3.8	0	58.5	4.3	0	58.0	4.8	0	57.7	5.1	1
R-11.22	EW 11.3	NB 11.2	Skipper	Tennis Courts	1	**67.3**	**67.5**	**67.3**	-0.2	0.0	C(67)	A/E	63.9	3.4	0	63.4	3.9	0	62.6	4.7	0	62.0	5.3	1	61.5	5.8	1	61.1	6.2	1	60.7	6.6	1	60.3	7.0	1	60.0	7.3	1
R-11.23			Culver Drive	Restaurant	1	62.9	63.1	62.9	-0.2	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.24			Culver Drive	Restaurant	1	66.6	66.7	67.5	0.8	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.01	EW 12.1	NB 12.1	Moore Court	Residential	1	**66.1**	**66.2**	**68.3**	2.1	2.2	B(67)	A/E	**67.1**	1.2	0	65.6	2.7	0	64.3	4.0	0	63.2	5.1	1	62.1	6.2	1	61.3	7.0	1	60.7	7.6	1	60.3	8.0	1	59.9	8.4	1
R-12.02	EW 12.1	NB 12.1	Moore Court	Residential	3	**66.8**	**67.0**	**68.1**	1.1	1.3	B(67)	A/E	**66.8**	1.3	0	65.2	2.9	0	63.8	4.3	0	62.7	5.4	3	62.0	6.1	3	61.4	6.7	3	60.9	7.2	3	60.5	7.6	3	60.2	7.9	3
R-12.03	EW 12.1	NB 12.1	Moore Court	Residential	3	**68.0**	**68.2**	**69.5**	1.3	1.5	B(67)	A/E	**68.3**	1.2	0	**66.6**	2.9	0	65.6	3.9	0	64.7	4.8	0	63.5	6.0	3	62.7	6.8	3	62.1	7.4	3	61.7	7.8	3	61.2	8.3	3
R-12.04	EW 12.1		Moore Court	Residential	2	64.9	65.2	65.9	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.05	EW 12.1		Moore Court	Residential	4	62.8	63.1	63.4	0.3	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.06	EW 12.1		Saarinen Avenue	Residential	3	63.3	63.6	64.4	0.8	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.07	EW 12.1		Saarinen Avenue	Residential	2	61.2	61.5	63.0	1.5	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.08	EW 12.1		Picasso Court	Residential	1	60.5	60.8	61.7	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.09	EW 12.1		Picasso Court	Residential	2	60.0	60.3	60.8	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.10	EW 12.2		Picasso Court	Residential	1	62.1	62.4	63.2	0.8	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.11	EW 12.2		Chagall Avenue	Residential	3	61.5	61.8	62.6	0.8	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.12	EW 12.2		Chagall Avenue	Residential	3	60.5	60.8	61.5	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.13	EW 12.2	NB 12.2	Chagall Avenue	Residential	2	**68.7**	**69.0**	**69.9**	0.9	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**69.9**	0.0	0	**69.4**	0.5	0	**68.6**	1.3	0	**67.9**	2.0	0	**67.3**	2.6	0
R-12.14	EW 12.2	NB 12.2	Chagall Avenue	Residential	2	**67.9**	**68.3**	**68.9**	0.6	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**68.6**	0.3	0	**68.1**	0.8	0	**67.3**	1.6	0	**66.6**	2.3	0	**66.0**	2.9	0
R-12.15	EW 12.3	NB 12.2	Nebraska	Residential	3	**68.2**	**68.5**	**69.1**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.8**	1.3	0	**67.1**	2.0	0	**66.6**	2.5	0	**66.2**	2.9	0
R-12.16	EW 12.3	NB 12.2	Nebraska	Residential	5	**66.0**	**66.3**	**66.8**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.3**	0.5	0	65.8	1.0	0	65.5	1.3	0	65.2	1.6	0
R-12.17	EW 12.3	NB 12.2	Nebraska	Residential	4	**66.8**	**67.1**	**67.7**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.2**	0.5	0	**66.6**	1.1	0	**66.2**	1.5	0	65.9	1.8	0
R-12.18	EW 12.3	NB 12.2	Nebraska	Residential	4	**67.3**	**67.7**	**68.2**	0.5	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.8**	0.4	0	**67.1**	1.1	0	**66.5**	1.7	0	**66.0**	2.2	0
R-12.19	EW 12.3	NB 12.2	Iowa	Residential	4	**67.3**	**67.6**	**68.1**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.8**	0.3	0	**67.1**	1.0	0	**66.5**	1.6	0	**66.0**	2.1	0
R-12.20	EW 12.3	NB 12.2	Iowa	Residential	4	**66.8**	**67.1**	**67.6**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.3**	0.3	0	**66.7**	0.9	0	**66.3**	1.3	0	65.9	1.7	0
R-12.21	EW 12.3	NB 12.2	Iowa	Residential	4	**66.8**	**67.1**	**67.6**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.3**	0.3	0	**66.7**	0.9	0	**66.2**	1.4	0	65.8	1.8	0
R-12.22	EW 12.3	NB 12.2	Utah	Residential	4	**66.3**	**66.7**	**67.1**	0.4	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.9**	0.2	0	**66.2**	0.9	0	65.8	1.3	0	65.4	1.7	0
R-12.23	EW 12.3	NB 12.2	Utah	Residential	4	65.9	**66.2**	**66.7**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.5**	0.2	0	**66.0**	0.7	0	65.6	1.1	0	65.1	1.6	0
R-12.24	EW 12.3	NB 12.2	Utah	Residential	4	65.7	**66.0**	**66.5**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.3**	0.2	0	65.8	0.7	0	65.4	1.1	0	65.1	1.4	0
R-12.25	EW 12.3	NB 12.2	Utah	Residential	4	**66.0**	**66.3**	**66.8**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.6**	0.2	0	**66.1**	0.7	0	65.7	1.1	0	65.3	1.5	0
R-12.26	EW 12.4	NB 12.2	Minnesota	Residential	2	65.7	**66.0**	**66.4**	0.4	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.8	0.6	0	65.2	1.2	0
R-12.27	EW 12.4	NB 12.2	Minnesota	Residential	2	64.7	65.0	65.4	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.0	0.4	0	64.4	1.0	0
R-12.28	EW 12.4	NB 12.2	Minnesota	Residential	2	64.0	64.3	64.7	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64.2	0.5	0	63.7	1.0	0
R-12.29	EW 12.4	NB 12.2	Minnesota	Residential	2	63.1	63.4	63.8	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63.3	0.5	0	62.8	1.0	0
R-12.30	EW 12.4		New Jersey	Residential	4	64.7	65.0	65.4	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.31	EW 12.4		New Jersey	Residential	4	63.4	63.7	64.1	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.32	EW 12.4		New Jersey	Residential	4	64.3	64.6	65.0	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.33	EW 12.4		New Jersey	Residential	4	64.7	64.9	65.6	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.34	EW 12.4		New Jersey	Residential	4	64.6	64.9	65.6	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.35	EW 12.4		New Jersey	Residential	4	64.5	64.8	65.3	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.36	EW 12.4		New Jersey	Residential	5	65.0	65.3	65.6	0.3	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.37			Peters Canyon Road	Office	1	76.3	76.5	77.0	0.5	0.7	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.38			Jamboree Road	Office	1	76.3	76.6	76.4	-0.2	0.1	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.39			Michelle Drive	Office	1	55.5	56.1	56.5	0.4	1.0	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.40			Michelle Drive	Office	1	60.4	60.8	61.2	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.41			Michelle Drive	Office	1	61.6	62.0	62.4	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.42			Michelle Drive	Light Industrial	1	69.2	69.9	69.4	-0.5	0.2	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.43			Michelle Drive	Office	1	65.9	66.4	66.7	0.3	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.44			Michelle Drive	Office	1	67.2	67.5	68.2	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																															
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-13.01	EW 13.1		Fuschia Road	Residential	1	50.4	50.5	53.2	2.7	2.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.02	EW 13.1		Fuschia Road	Residential	2	50.8	51.0	53.5	2.5	2.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.03	EW 13.1		Fuschia Road	Residential	1	49.1	49.3	50.8	1.5	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.04	EW 13.1		Fuschia Road	Residential	1	49.4	49.5	50.8	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.05	EW 13.1		Fuschia Road	Residential	1	50.5	50.7	52.6	1.9	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.06	EW 13.1		Fuschia Road	Residential	2	48.5	48.6	50.0	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.07	EW 13.1		Fuschia Road	Residential	1	50.4	50.5	53.0	2.5	2.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.08	EW 13.1		Fuschia Road	Residential	2	51.6	51.7	53.8	2.1	2.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.09	EW 13.1		Fuschia Road	Residential	2	50.2	50.3	52.3	2.0	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.10	EW 13.1		Fuschia Road	Residential	2	52.7	52.8	54.6	1.8	1.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.11	EW 13.1		Fuschia Road	Residential	4	50.8	50.9	52.8	1.9	2.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.12	EW 13.1		Conifer Lane	Residential	4	52.7	52.8	54.2	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.13	EW 13.1		Juniper Road	Residential	1	51.4	51.5	52.9	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.14	EW 13.1		Raintree Road	Residential	2	51.8	52.0	53.2	1.2	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.15	EW 13.1		Juniper Road	Residential	1	50.9	51.0	52.3	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.16	EW 13.1		Juniper Road	Residential	2	48.9	49.1	49.7	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.17	EW 13.1		Juniper Road	Residential	1	53.4	53.5	54.4	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.18	EW 13.1		Juniper Road	Residential	3	50.0	50.2	51.5	1.3	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.19	EW 13.1		Juniper Road	Residential	3	50.9	51.0	52.3	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.20	EW 13.1		Juniper Road	Residential	1	51.2	51.3	52.9	1.6	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.21	EW 13.1		Juniper Road	Residential	1	50.4	50.5	51.8	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.22	EW 13.1		Juniper Road	Residential	1	51.1	51.2	52.7	1.5	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.23	EW 13.1		Juniper Road	Residential	1	51.1	51.2	52.6	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.24	EW 13.1		Juniper Road	Residential	1	50.6	50.7	52.1	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.25	EW 13.1		Juniper Road	Residential	2	51.4	51.5	52.9	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.26	EW 13.1		Barberry Road	Residential	1	53.9	54.0	55.1	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.27	EW 13.1		Barberry Road	Residential	2	48.8	48.9	50.6	1.7	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.28	EW 13.1		Barberry Road	Residential	2	53.5	53.6	54.8	1.2	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.29	EW 13.1		Barberry Road	Residential	1	54.1	54.2	55.3	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.30	EW 13.1		Barberry Road	Residential	1	50.3	50.4	52.1	1.7	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.31	EW 13.1		Barberry Road	Residential	4	56.5	56.5	57.6	1.1	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.32	EW 13.2		Barberry Road	Residential	1	58.1	58.2	59.2	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.33	EW 13.1		Barberry Road	Residential	2	51.9	52.0	52.6	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.34	EW 13.1		Barberry Road	Residential	2	55.7	55.8	56.8	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.35	EW 13.2		Barberry Road	Residential	1	56.7	56.8	57.8	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.36	EW 13.1		Barberry Road	Residential	2	55.9	55.9	57.0	1.1	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.37	EW 13.1		Barberry Road	Residential	1	55.2	55.3	56.4	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.38	EW 13.2		Larch Lane	Residential	1	59.7	59.8	60.8	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.39	EW 13.2		Larch Lane	Residential	2	56.3	56.4	57.5	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.40	EW 13.2		Larch Lane	Residential	1	55.9	55.9	57.0	1.1	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.41	EW 13.2		Larch Lane	Residential	2	58.1	58.1	58.8	0.7	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.42	EW 13.2		Larch Lane	Residential	1	60.7	60.8	61.8	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.43	EW 13.2		Larch Lane	Residential	2	60.5	60.6	61.6	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.44	EW 13.2		Larch Lane	Residential	1	59.6	59.6	60.7	1.1	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.45	EW 13.2		Larch Lane	Residential	2	52.7	52.8	53.4	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.46	EW 13.2		Larch Lane	Residential	1	62.0	62.1	63.0	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.47	EW 13.2		Larch Lane	Residential	2	58.1	58.2	59.0	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.48	EW 13.2		Larch Lane	Residential	1	57.7	57.7	58.5	0.8	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.49	EW 13.2		Larch Lane	Residential	2	58.6	58.6	59.7	1.1	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.50	EW 13.2		Larch Lane	Residential	1	57.3	57.4	58.2	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.51	EW 13.2		Larch Lane	Residential	2	57.9	58.0	59.1	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.52	EW 13.2		Larch Lane	Residential	1	56.9	57.0	58.1	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.53	EW 13.2		Larch Lane	Residential	2	57.9	57.9	59.0	1.1	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.54	EW 13.2		Larch Lane	Residential	1	56.4	56.4	57.6	1.2	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.55	EW 13.2		Larch Lane	Residential	2	57.0	57.1	58.1	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.56	EW 13.2		Larch Lane	Residential	1	56.8	56.8	57.8	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.57	EW 13.2		Larch Lane	Residential	2	57.2	57.3	58.3	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.58	EW 13.2	NB 13.1	Sevilla	Residential	4	**77.0**	**77.1**	**78.2**	1.1	1.2	B(67)	A/E	--	--	--	--	--	--	**77.7**	0.5	0	**76.0**	2.2	0	**74.9**	3.3	0	**73.8**	4.4	0	**73.1**	5.1	4	**72.2**	6.0	4	**71.5**	6.7	4
R-13.59	EW 13.2	NB 13.1	Malaga	Residential	4	**77.1**	**77.2**	**78.5**	1.3	1.4	B(67)	A/E	--	--	--	--	--	--	**77.7**	0.8	0	**76.1**	2.4	0	**74.9**	3.6	0	**73.8**	4.7	0	**73.0**	5.5	4	**72.2**	6.3	4	**71.4**	7.1	4
R-13.60	EW 13.2	NB 13.1	Madrid	Residential	4	**77.3**	**77.5**	**79.4**	1.9	2.1	B(67)	A/E	--	--	--	--	--	--	**78.0**	1.4	0	**76.3**	3.1	0	**75.1**	4.3	0	**74.1**	5.3	4	**73.3**	6.1	4	**72.5**	6.9	4	**71.9**	7.5	4
R-13.61	EW 13.2	NB 13.1	Granada Street	Residential	3	**74.7**	**74.8**	**84.6**	9.8	9.9	B(67)	A/E	--	--	--	--	--	--	**77.8**	6.8	3	**76.2**	8.4	3	**75.1**	9.5	3	**73.9**	10.7	3	**73.2**	11.4	3	**72.4**	12.2	3	**71.5**	13.1	3
R-13.62	EW 13.2	NB 13.1	Sevilla	Residential	4	**74.9**	**75.0**	**76.0**	1.0	1.1	B(67)	A/E	--	--	--	--	--	--	**75.7**	0.3	0	**73.9**	2.1	0	**72.8**	3.2	0	**71.9**	4.1	0	**71.2**	4.8	0	**70.6**	5.4	4	**70.0**	6.0	4
R-13.63	EW 13.2	NB 13.1	Malaga	Residential	4	**74.7**	**74.8**	**76.1**	1.3	1.4	B(67)	A/E	--	--	--	--	--	--	**75.5**	0.6	0	**73.9**	2.2	0	**72.5**	3.6	0	**71.6**	4.5	0	**70.9**	5.2	4	**70.3**	5.8	4	**69.8**	6.3	4

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																											
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-13.64	EW 13.2	NB 13.1	Madrid	Residential	4	**73.5**	**73.7**	**76.3**	2.6	2.8	B(67)	A/E	--	--	--	--	--	--	**74.5**	1.8	0	**73.3**	3.0	0	**71.6**	4.7	0	**70.8**	5.5	4	**70.1**	6.2	4	**69.4**	6.9	4	**68.8**	7.5	4
R-13.65	EW 13.2	NB 13.1	Granada Street	Residential	2	**71.9**	**72.1**	**78.1**	6.0	6.2	B(67)	A/E	--	--	--	--	--	--	**74.2**	3.9	0	**72.5**	5.6	2	**71.3**	6.8	2	**70.5**	7.6	2	**69.8**	8.3	2	**69.2**	8.9	2	**68.6**	9.5	2
R-13.66	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	1	62.6	62.7	**71.3**	8.6	8.7	B(67)	A/E	**68.8**	2.5	0	**67.4**	3.9	0	**66.0**	5.3	1	63.8	7.5	1	62.5	8.8	1	61.5	9.8	1	60.7	10.6	1	59.9	11.4	1	59.2	12.1	1
R-13.67	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	2	**71.4**	**71.6**	**78.3**	6.7	6.9	B(67)	A/E	**78.1**	0.2	0	**77.2**	1.1	0	**76.1**	2.2	0	**73.5**	4.8	0	**71.0**	7.3	2	**68.3**	10.0	2	**66.6**	11.7	2	65.2	13.1	2	64.3	14.0	2
R-13.68	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	2	65.8	65.9	**73.8**	7.9	8.0	B(67)	A/E	**71.8**	2.0	0	**70.6**	3.2	0	**68.7**	5.1	2	**67.0**	6.8	2	65.8	8.0	2	64.8	9.0	2	64.1	9.7	2	63.5	10.3	2	62.8	11.0	2
R-13.69	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	1	**70.5**	**70.7**	**78.1**	7.4	7.6	B(67)	A/E	**77.5**	0.6	0	**76.6**	1.5	0	**75.1**	3.0	0	**72.1**	6.0	1	**69.5**	8.6	1	**67.4**	10.7	1	65.9	12.2	1	64.7	13.4	1	63.6	14.5	1
R-13.70	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	2	65.9	**66.0**	**74.1**	8.1	8.2	B(67)	A/E	**71.7**	2.4	0	**70.8**	3.3	0	**68.7**	5.4	2	**67.1**	7.0	2	65.9	8.2	2	64.9	9.2	2	64.1	10.0	2	63.4	10.7	2	62.7	11.4	2
R-13.71	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	3	**66.8**	**66.9**	**73.1**	6.2	6.3	B(67)	A/E	**69.6**	3.5	0	**70.0**	3.1	0	**68.9**	4.2	0	**67.5**	5.6	3	**66.5**	6.6	3	65.7	7.4	3	65.1	8.0	3	64.6	8.5	3	64.0	9.1	3
R-13.72	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	1	53.1	53.2	57.1	3.9	4.0	B(67)	--	56.8	0.3	0	56.4	0.7	0	55.7	1.4	0	55.0	2.1	0	53.5	3.6	0	52.2	4.9	0	50.9	6.2	1	50.0	7.1	1	49.2	7.9	1
R-13.73	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	1	64.5	64.6	**69.8**	5.2	5.3	B(67)	A/E	**69.6**	0.2	0	**68.8**	1.0	0	**67.9**	1.9	0	**66.2**	3.6	0	64.4	5.4	1	62.6	7.2	1	61.1	8.7	1	60.0	9.8	1	59.1	10.7	1
R-13.74	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	2	59.2	59.3	64.4	5.1	5.2	B(67)	--	63.3	1.1	0	62.7	1.7	0	62.0	2.4	0	60.8	3.6	0	59.5	4.9	0	58.4	6.0	2	57.5	6.9	2	56.7	7.7	2	56.1	8.3	2
R-13.75	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	3	61.7	61.8	63.1	1.3	1.4	B(67)	--	63.0	0.1	0	62.9	0.2	0	62.8	0.3	0	62.1	1.0	0	61.2	1.9	0	60.1	3.0	0	58.4	4.7	0	57.2	5.9	3	57.2	5.9	3
R-13.76	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	3	64.1	64.2	**69.6**	5.4	5.5	B(67)	A/E	**68.8**	0.8	0	**67.9**	1.7	0	**66.5**	3.1	0	65.2	4.4	0	64.0	5.6	3	62.5	7.1	3	61.3	8.3	3	60.4	9.2	3	60.1	9.5	3
R-13.77	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	3	53.0	53.1	54.9	1.8	1.9	B(67)	--	54.8	0.1	0	54.7	0.2	0	54.5	0.4	0	54.2	0.7	0	53.6	1.3	0	52.8	2.1	0	52.0	2.9	0	50.2	4.7	0	49.4	5.5	3
R-13.78	EW 13.3*	NB 13.1	Browning Circle	Residential	2	63.0	63.0	64.6	1.6	1.6	B(67)	--	64.6	0.0	0	64.6	0.0	0	64.5	0.1	0	63.4	1.2	0	62.0	2.6	0	60.9	3.7	0	59.5	5.1	2	58.6	6.0	2	57.6	7.0	2
R-13.79	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	4	64.7	64.8	**66.4**	1.6	1.7	B(67)	A/E	**66.2**	0.2	0	**66.2**	0.2	0	**66.0**	0.4	0	64.5	1.9	0	63.1	3.3	0	62.0	4.4	0	60.6	5.8	4	59.7	6.7	4	59.2	7.2	4
R-13.80	EW 13.3*	NB 13.1	Pinebrook Circle	Residential	2	63.8	63.9	**69.4**	5.5	5.6	B(67)	A/E	**68.0**	1.4	0	**66.4**	3.0	0	65.3	4.1	0	64.2	5.2	2	62.6	6.8	2	61.2	8.2	2	60.0	9.4	2	59.2	10.2	2	58.6	10.8	2
R-13.81	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**68.3**	**68.5**	**75.7**	7.2	7.4	B(67)	A/E	**74.2**	1.5	0	**72.9**	2.8	0	**71.5**	4.2	0	**69.5**	6.2	4	**68.3**	7.4	4	**67.3**	8.4	4	**66.4**	9.3	4	65.7	10.0	4	65.0	10.7	4
R-13.82	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**68.0**	**68.2**	**76.8**	8.6	8.8	B(67)	A/E	**74.3**	2.5	0	**72.7**	4.1	0	**71.4**	5.4	4	**69.2**	7.6	4	**67.9**	8.9	4	**66.9**	9.9	4	**66.1**	10.7	4	65.4	11.4	4	64.7	12.1	4
R-13.83	EW 13.3*	NB 13.1	Nisson Road	Residential	4	64.6	64.7	**72.3**	7.6	7.7	B(67)	A/E	**70.3**	2.0	0	**69.2**	3.1	0	**68.1**	4.2	0	65.9	6.4	4	64.5	7.8	4	63.7	8.6	4	62.9	9.4	4	62.3	10.0	4	61.7	10.6	4
R-13.84	EW 13.3*	NB 13.1	Nisson Road	Residential	4	65.1	65.2	**73.6**	8.4	8.5	B(67)	A/E	**70.7**	2.9	0	**69.6**	4.0	0	**68.5**	5.1	4	**66.3**	7.3	4	65.2	8.4	4	63.7	9.9	4	63.1	10.5	4	62.7	10.9	4	62.1	11.4	4
R-13.85	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**67.5**	**67.6**	**76.6**	9.0	9.1	B(67)	A/E	**73.3**	3.3	0	**71.9**	4.7	0	**70.7**	5.9	4	**68.5**	8.1	4	**67.3**	9.3	4	**66.4**	10.2	4	65.6	11.0	4	64.9	11.7	4	64.3	12.3	4
R-13.86	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**67.1**	**67.3**	**75.9**	8.6	8.8	B(67)	A/E	**72.9**	3.0	0	**71.6**	4.3	0	**70.3**	5.6	4	**68.2**	7.7	4	**67.1**	8.8	4	**66.2**	9.7	4	65.5	10.4	4	64.8	11.1	4	64.2	11.7	4
R-13.87	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**67.0**	**67.2**	**75.9**	8.7	8.9	B(67)	A/E	**72.9**	3.0	0	**71.6**	4.3	0	**70.3**	5.6	4	**68.2**	7.7	4	**67.1**	8.8	4	**66.2**	9.7	4	65.4	10.5	4	64.8	11.1	4	64.2	11.7	4
R-13.88	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**67.0**	**67.1**	**76.3**	9.2	9.3	B(67)	A/E	**72.8**	3.5	0	**71.5**	4.8	0	**70.1**	6.2	4	**68.1**	8.2	4	**67.1**	9.2	4	**66.2**	10.1	4	65.5	10.8	4	64.8	11.5	4	64.3	12.0	4
R-13.89	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**67.0**	**67.1**	**76.5**	9.4	9.5	B(67)	A/E	**72.8**	3.7	0	**71.5**	5.0	4	**70.1**	6.4	4	**68.1**	8.4	4	**67.0**	9.5	4	**66.2**	10.3	4	65.4	11.1	4	64.7	11.8	4	64.1	12.4	4
R-13.90	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**67.2**	**67.3**	**77.0**	9.7	9.8	B(67)	A/E	**72.9**	4.1	0	**71.6**	5.4	4	**70.2**	6.8	4	**68.3**	8.7	4	**67.2**	9.8	4	**66.4**	10.6	4	65.6	11.4	4	65.0	12.0	4	64.4	12.6	4
R-13.91	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**66.8**	**66.9**	**77.7**	10.8	10.9	B(67)	A/E	**72.5**	5.2	4	**71.3**	6.4	4	**69.7**	8.0	4	**67.8**	9.9	4	**66.8**	10.9	4	**66.0**	11.7	4	65.3	12.4	4	64.7	13.0	4	64.2	13.5	4
R-13.92	EW 13.3*	NB 13.1	Nisson Road	Residential	4	**66.4**	**66.5**	**77.6**	11.1	11.2	B(67)	A/E	**71.9**	5.7	4	**70.9**	6.7	4	**69.2**	8.4	4	**67.4**	10.2	4	**66.5**	11.1	4	65.7	11.9	4	65.0	12.6	4	64.4	13.2	4	63.9	13.7	4
R-13.93	EW 13.3*	NB 13.1	Nisson Road	Residential	2	**66.4**	**66.5**	**77.3**	10.8	10.9	B(67)	A/E	**71.8**	5.5	2	**70.7**	6.6	2	**69.0**	8.3	2	**67.4**	9.9	2	**66.4**	10.9	2	65.7	11.6	2	65.0	12.3	2	64.4	12.9	2	63.9	13.4	2
R-13.94	EW 13.3*	NB 13.1	Nisson Road	Residential	2	**66.9**	**67.0**	**77.0**	10.0	10.1	B(67)	A/E	**72.1**	4.9	0	**70.7**	6.3	2	**69.0**	8.0	2	**67.9**	9.1	2	**67.1**	9.9	2	**66.3**	10.7	2	65.7	11.3	2	65.1	11.9	2	64.6	12.4	2
R-13.95	EW 13.3*	NB 13.1	Nisson Road	Residential	2	65.4	65.5	**74.8**	9.3	9.4	B(67)	A/E	**70.5**	4.3	0	**69.5**	5.3	2	**68.0**	6.8	2	**66.5**	8.3	2	65.6	9.2	2	64.9	9.9	2	64.3	10.5	2	63.8	11.0	2	63.4	11.4	2
R-13.96	EW 13.3*	NB 13.1	Nisson Road	Residential	2	64.5	64.6	**73.3**	8.7	8.8	B(67)	A/E	**69.1**	4.2	0	**68.3**	5.0	2	**67.1**	6.2	2	65.5	7.8	2	64.6	8.7	2	63.9	9.4	2	63.2	10.1	2	62.6	10.7	2	62.2	11.1	2
R-13.97	EW 13.3*	NB 13.1	Nisson Road	Residential	4	62.6	62.7	**70.8**	8.1	8.2	B(67)	A/E	**67.2**	3.6	0	**66.4**	4.4	0	65.4	5.4	4	63.8	7.0	4	62.8	8.0	4	62.7	8.1	4	62.5	8.3	4	62.0	8.8	4	61.6	9.2	4
R-13.98	EW 13.3*	NB 13.1	Nisson Road	Residential	4	62.4	62.5	**70.3**	7.8	7.9	B(67)	A/E	**66.8**	3.5	0	**66.0**	4.3	0	65.2	5.1	4	63.6	6.7	4	62.9	7.4	4	63.0	7.3	4	62.7	7.6	4	62.2	8.1	4	61.7	8.6	4
R-13.99	EW 13.3*	NB 13.1	Nisson Road	Residential	4	62.5	62.6	**70.3**	7.7	7.8	B(67)	A/E	**66.8**	3.5	0	**66.0**	4.3	0	65.1	5.2	4	63.6	6.7	4	62.9	7.4	4	63.1	7.2	4	62.7	7.6	4	62.1	8.2	4	61.7	8.6	4
R-13.100	EW 13.3*	NB 13.1	Nisson Road	Residential	4	62.7	62.8	**70.8**	8.0	8.1	B(67)	A/E	**67.1**	3.7	0	**66.4**	4.4	0	65.4	5.4	4	63.8	7.0	4	63.3	7.5	4	63.4	7.4	4	62.8	8.0	4	62.2	8.6	4	61.8	9.0	4
R-13.101	EW 13.3*	NB 13.1	Nisson Road	Residential	4	63.0	63.1	**71.5**	8.4	8.5	B(67)	A/E	**67.3**	4.2	0	**66.7**	4.8	0	65.8	5.7	4	64.1	7.4	4	63.1	8.4	4	63.4	8.1	4	62.9	8.6	4	62.3	9.2	4	61.9	9.6	4
R-13.102	EW 13.3*	NB 13.1	Nisson Road	Residential	4	63.7	63.8	**72.3**	8.5	8.6	B(67)	A/E	**68.0**	4.3	0	**67.3**	5.0	4	**66.4**	5.9	4	64.6	7.7	4	63.7	8.6	4	63.6	8.7	4	63.1	9.2	4	62.5	9.8	4	62.0	10.3	4
R-13.103	EW 13.3*	NB 13.1	Nisson Road	Residential	4	63.7	63.8	**72.4**	8.6	8.7	B(67)	A/E	**67.8**	4.6	0	**67.0**	5.4	4	**66.4**	6.0	4	64.6	7.8	4	64.0	8.4	4	63.6	8.8	4	63.0	9.4	4	62.4	10.0	4	61.9	10.5	4
R-13.104	EW 13.3*	NB 13.1	Nisson Road	Residential	4	63.4	63.5	**72.3**	8.8	8.9	B(67)	A/E	**67.4**	4.9	0	**66.8**	5.5	4	**66.1**	6.2	4	64.4	7.9	4	63.8	8.5	4	63.4	8.9	4	62.8	9.5	4	62.2	10.1	4	61.8	10.5	4
R-13.105	EW 13.3*	NB 13.1	Nisson Road	Residential	2	63.7	63.8	**72.9**	9.1	9.2	B(67)	A/E	**68.1**	4.8	0	**67.3**	5.6	2	**66.5**	6.4	2	64.8	8.1	2	64.4	8.5	2	63.9	9.0	2	63.4	9.5	2	62.9	10.0	2	62.6	10.3	2
R-13.106	EW 13.3*	NB 13.1	Nisson Road	Residential	2	64.7	64.8	**72.8**	8.0	8.1	B(67)	A/E	**69.0**	3.8	0	**68.1**	4.7	0	**67.4**	5.4	2	65.7	7.1	2	65.0	7.8	2	64.3	8.5	2	63.6	9.2	2	63.0	9.8	2	62.5	10.3	2
R-13.107	EW 13.3*	NB 13.1	Nisson Road	Swim School	1	56.6	56.8	65.3	8.5	8.7	C(67)	--	60.1	5.2	1	59.1	6.2	1	58.3	7.0	1	57.7	7.6	1	57.3	8.0	1	57.0	8.3	1	56.6	8.7	1	56.3	9.0	1	56.0	9.3	1
R-13.108	EW 13.3*	NB 13.1	Nisson Road	Residential	1	62.8	62.8	**68.8**	6.0	6.0	B(67)	A/E	**66.7**	2.1	0	**66.1**	2.7	0	64.9	3.9	0	63.5	5.3	1	62.7	6.1	1	62.0	6.8	1	61.3	7.5	1	60.8	8.0	1	60.3	8.5	1
R-13.109	EW 13.3*	NB 13.1	Nisson Road	Residential	1	62.3	62.4	**68.8**	6.4	6.5	B(67)	A/E	65.9	2.9	0	65.4	3.4	0	64.3	4.5	0	62.9	5.9	1	62.2	6.6	1	61.6	7.2	1	61.0	7.8	1	60.5	8.3	1	60.0	8.8	1
R-13.110	EW 13.3*	NB 13.1	Nisson Road	Residential	1	59.2	59.3	65.3	6.0	6.1	B(67)	--	62.2	3.1	0	61.4	3.9	0	60.5	4.8	0	59.5	5.8	1	59.0	6.3	1	58.5	6.8	1	58.1	7.2	1	58.3	7.0	1	58.5	6.8	1
R-13.111	EW 13.3*	NB 13.1	Nisson Road	Swimming Pool	1	56.7	56.8	63.8	7.0	7.1	C(67)	--	59.5	4.3	0	58.9	4.9	0	58.4	5.4	1	57.6	6.2	1	57.1	6.7	1	56.7	7.1	1	56.2	7.6	1	55.8	8.0	1	55.5	8.3	1
R-13.112	EW 13.3*	NB 13.1	Nisson Road	Residential	2	60.0	60.1	**66.4**	6.3	6.4	B(67)	A/E	63.6	2.8	0	62.8	3.6	0	61.9	4.5	0	61.0	5.4	2	60.5	5.9	2	60.0	6.4	2	59.6	6.8	2	59.3	7.1	2	59.1	7.3	2
R-13.113	EW 13.3*	NB 13.1	Nisson Road	Residential	2	56.9	57.0	62.4	5.4	5.5	B(67)	--	59.8	2.6	0	59.2	3.2	0	58.6	3.8	0	57.9	4.5	0	57.5	4.9	0	57.1	5.3	2	56.8	5.6	2	56.5	5.9	2	56.3	6.1	2
R-13.114	EW 13.3*	NB 13.1	Nisson Road	Residential	2	60.2	60.3	65.5	5.2	5.3	B(67)	--	62.6	2.9	0	62.0	3.5	0	61.4	4.1	0	60.8	4.7	0	60.5	5.0	2	60.2	5.3	2	59.9	5.6	2	59.8	5.7	2	59.6	5.9	2
R-13.115	EW 13.3*	NB 13.1	Nisson Road	Residential	4	55.0	55.1	59.4	4.3	4.4	B(67)	--	57.6	1.8	0	57.2	2.2	0	56.9	2.5	0	56.6	2.8	0	56.3	3.1	0	56.1	3.3	0	55.9	3.5	0	55.8	3.6	0	55.7	3.7	0
R-13.116	EW 13.3*	NB 13.1	Nisson Road	Residential	4	51.9	52.0	55.2	3.2	3.3	B(67)	--	52.7	2.5	0	52.3	2.9	0	51.8	3.4	0	51.5	3.7	0	51.2	4.0	0	50.9	4.3	0	50.6	4.6	0	50.3	4.9	0	50.0	5.2	4
R-13.117	EW 13.3*	NB 13.1	Nisson Road	Residential	1	57.7	57.9	60.1	2.2	2.4	B(67)	--	60.0	0.1	0	59.9	0.2	0	59.8	0.3	0	59.9	0.2	0	59.9	0.2	0	59.6	0.5	0	59.6	0.5	0	59.5	0.6	0	59.5	0.6	0
R-13.118	EW 13.3*	NB 13.1	Nisson Road	Residential	3	56.7	56.8	60.5	3.7	3.8	B(67)	--	58.2	2.3	0	57.9	2.6	0	57.4	3.1	0	57.1	3.4	0	56.6	3.9	0	55.9	4.6	0	55.6	4.9	0	55.5	5.0	3	55.3	5.2	3
R-13.119	EW 13.3*	NB 13.1	Nisson Road	Residential	1	63.1	63.2	65.2	2.0	2.1	B(67)	--	62.6	2.6	0	61.9	3.3	0	61.3	3.9	0	60.9	4.3	0	60.6	4.6	0	60.3	4.9	0	60.1	5.1	1	59.9	5.3	1	59.7	5.5	1
R-13.120	EW 13.3*	NB 13.1	Nisson Road	Residential	2	58.4	58.5	62.6	4.1	4.2	B(67)	--	60.2	2.4	0	59.5	3.1	0	58.8	3.8	0	58.2	4.4	0	57.8	4.8	0	57.4	5.2	2	57.1	5.5	2	56.8	5.8	2	56.6	6.0	2
R-13.121	EW 13.3*	NB 13.1	Nisson Road	Residential	2	63.2	63.3	**68.7**	5.4	5.5	B(67)	A/E	64.2	4.5	0	63.3	5.4	2	62.3	6.4	2	61.6	7.1	2	61.2	7.5	2	61.3	7.4	2	61.4	7.3	2	61.3	7.4	2	61.2	7.5	2
R-13.122	EW 13.3*	NB 13.1	Nisson Road	Residential	2	58.1	58.2	64.3	6.1	6.2	B(67)	--	61.4	2.9	0	60.4	3.9	0	59.4	4.9	0	58.5	5.8	2	58.0	6.3	2	57.6	6.7	2	57.2	7.1	2	56.9	7.4	2	56.7	7.6	2
R-13.123	EW 13.3*	NB 13.1	Nisson Road	Residential	2	63.4	63.4	**71.3**	7.9	7.9	B(67)	A/E	**66.3**	5.0	2	65.0	6.3	2	64.4	6.9	2	63.7	7.6	2	63.1	8.2	2	62.4	8.9	2	62.1	9.2	2	61.9	9.4	2	61.7	9.6	2
R-13.124	EW 13.3*	NB 13.1	Nisson Road	Residential	3	63.0	63.0	**69.0**	6.0	6.0	B(67)	A/E	65.2	3.8	0	64.0	5.0	3	63.3	5.7	3	63.2	5.8	3	63.1	5.9	3	62.6	6.4	3	62.1	6.9	3	61.5	7.5	3	61.2	7.8	3
R-13.125	EW 13.3*	NB 13.1	Nisson Road	Residential	3	61.9	61.9	**68.5**	6.6	6.6	B(67)	A/E	64.8	3.7	0	64.3	4.2	0	62.9	5.6	3	61.7	6.8	3	60.9	7.6	3	60.3	8.2	3	59.7	8.8	3	59.3	9.2	3	58.9	9.6	3
R-13.126	EW 13.3*	NB 13.1	Nisson Road	Residential	2	56.2	56.3	63.0	6.7	6.8	B(67)	--	59.9	3.1	0	58.8	4.2	0	57.7	5.3	2	57.0	6.0	2	57.3	5.7	2	57.1	5.9	2	56.6	6.4	2	56.2	6.8	2	55.9	7.1	2

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																							
													Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																							
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-13.127	EW 13.3*	NB 13.1	Nisson Road	Residential	2	61.3	61.4	**66.3**	4.9	5.0	B(67)	A/E	63.2	3.1	0	62.5	3.8	0	61.8	4.5	0	61.1	5.2	2	61.0	5.3	2	60.6	5.7	2	60.1	6.2	2	59.7	6.6	2	59.3	7.0	2
R-13.128	EW 13.3*	NB 13.1	Nisson Road	Residential	2	54.6	54.7	60.4	5.7	5.8	B(67)	--	58.0	2.4	0	57.0	3.4	0	55.8	4.6	0	54.8	5.6	2	54.1	6.3	2	53.5	6.9	2	53.1	7.3	2	52.9	7.5	2	52.6	7.8	2
R-13.129	EW 13.3*	NB 13.1	Nisson Road	Residential	2	61.5	61.6	**66.3**	4.7	4.8	B(67)	A/E	63.1	3.2	0	62.1	4.2	0	61.0	5.3	2	61.1	5.2	2	61.0	5.3	2	60.4	5.9	2	59.9	6.4	2	59.5	6.8	2	59.2	7.1	2
R-13.130	EW 13.3*	NB 13.1	Nisson Road	Residential	4	61.9	62.0	**66.6**	4.6	4.7	B(67)	A/E	63.8	2.8	0	63.4	3.2	0	62.8	3.8	0	62.2	4.4	0	62.0	4.6	0	61.6	5.0	0	61.3	5.3	4	60.9	5.7	4	60.7	5.9	4
R-13.131	EW 13.3*	NB 13.1	Nisson Road	Residential	4	57.8	57.9	62.6	4.7	4.8	B(67)	--	60.4	2.2	0	59.8	2.8	0	59.2	3.4	0	58.7	3.9	0	59.0	3.6	0	58.7	3.9	0	58.5	4.1	0	58.3	4.3	0	58.2	4.4	0
R-13.132	EW 13.3*	NB 13.1	Nisson Road	Residential	3	58.5	58.6	61.9	3.3	3.4	B(67)	--	60.9	1.0	0	60.5	1.4	0	60.1	1.8	0	59.8	2.1	0	59.6	2.3	0	59.4	2.5	0	59.3	2.6	0	59.2	2.7	0	59.1	2.8	0
R-13.133	EW 13.3*	NB 13.1	Nisson Road	Swimming Pool	1	64.8	64.9	**66.8**	1.9	2.0	C(67)	A/E	65.3	1.5	0	65.0	1.8	0	64.7	2.1	0	64.3	2.5	0	64.2	2.6	0	64.1	2.7	0	64.0	2.8	0	63.9	2.9	0	63.9	2.9	0
R-13.134		NB 13.1	Nisson Road	Residential	4	61.6	61.6	64.4	2.8	2.8	B(67)	--	62.3	2.1	0	62.0	2.4	0	61.7	2.7	0	61.4	3.0	0	61.3	3.1	0	61.2	3.2	0	61.1	3.3	0	61.0	3.4	0	60.9	3.5	0
R-13.135		NB 13.1	Nisson Road	Residential	2	60.4	60.5	62.1	1.6	1.7	B(67)	--	60.7	1.4	0	60.1	2.0	0	59.5	2.6	0	59.0	3.1	0	58.7	3.4	0	58.4	3.7	0	58.2	3.9	0	58.1	4.0	0	57.9	4.2	0
R-13.136		NB 13.1	Nisson Road	Residential	2	63.0	63.1	65.5	2.4	2.5	B(67)	--	62.8	2.7	0	62.4	3.1	0	61.9	3.6	0	61.4	4.1	0	61.2	4.3	0	61.0	4.5	0	60.9	4.6	0	60.7	4.8	0	60.7	4.8	0
R-13.137		NB 13.1	Nisson Road	Residential	2	60.0	60.0	61.4	1.4	1.4	B(67)	--	59.6	1.8	0	59.0	2.4	0	58.1	3.3	0	57.4	4.0	0	57.1	4.3	0	56.8	4.6	0	56.6	4.8	0	56.5	4.9	0	56.3	5.1	2
R-13.138		NB 13.1	Nisson Road	Residential	2	62.7	62.8	64.3	1.5	1.6	B(67)	--	61.5	2.8	0	61.2	3.1	0	60.7	3.6	0	60.3	4.0	0	60.1	4.2	0	59.9	4.4	0	59.9	4.4	0	59.8	4.5	0	59.7	4.6	0
R-13.139		NB 13.1	Nisson Road	Residential	2	61.2	61.2	62.5	1.3	1.3	B(67)	--	62.2	0.3	0	62.0	0.5	0	61.8	0.7	0	61.7	0.8	0	61.6	0.9	0	61.5	1.0	0	61.4	1.1	0	61.3	1.2	0	61.3	1.2	0
R-13.140		NB 13.1	Nisson Road	Residential	2	61.5	61.6	65.6	4.0	4.1	B(67)	--	63.7	1.9	0	62.9	2.7	0	62.0	3.6	0	61.5	4.1	0	61.1	4.5	0	60.7	4.9	0	60.4	5.2	2	60.2	5.4	2	60.0	5.6	2
R-13.141	EW 13.3*	NB 13.1	Nisson Road	Residential	2	62.9	63.0	65.1	2.1	2.2	B(67)	--	63.7	1.4	0	63.2	1.9	0	62.7	2.4	0	62.4	2.7	0	62.3	2.8	0	62.0	3.1	0	61.8	3.3	0	61.6	3.5	0	61.5	3.6	0
R-13.142	EW 13.3*	NB 13.1	Nisson Road	Residential	2	**66.9**	**67.0**	**69.3**	2.3	2.4	B(67)	A/E	**67.5**	1.8	0	**67.0**	2.3	0	**66.4**	2.9	0	65.9	3.4	0	65.6	3.7	0	65.3	4.0	0	65.2	4.1	0	65.1	4.2	0	65.1	4.2	0
R-13.143			Red Hill Avenue	Restaurant	1	73.2	73.3	74.1	0.8	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.144			Red Hill Avenue	Commercial	1	71.0	71.2	73.5	2.3	2.5	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.01	EW 14.1	NB 14.1	Nisson Road	Swimming Pool	1	64.3	64.5	65.5	1.0	1.2	C(67)	--	--	--	--	--	--	--	--	--	--	64.8	0.7	0	64.6	0.9	0	64.4	1.1	0	64.7	0.8	0	64.8	0.7	0	64.7	0.8	0
R-14.02	EW 14.1	NB 14.1	Nisson Road	Residential	1	**67.0**	**67.2**	**68.3**	1.1	1.3	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.3**	1.0	0	**66.9**	1.4	0	**66.6**	1.7	0	**66.4**	1.9	0	**66.2**	2.1	0	**66.0**	2.3	0
R-14.03	EW 14.1	NB 14.1	Nisson Road	Residential	3	**71.0**	**71.3**	**72.8**	1.5	1.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**71.8**	1.0	0	**71.5**	1.3	0	**71.3**	1.5	0	**71.1**	1.7	0	**70.9**	1.9	0	**70.8**	2.0	0
R-14.04	EW 14.1	NB 14.1	Nisson Road	Residential	1	**67.1**	**67.2**	**67.9**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.9**	1.0	0	**66.5**	1.4	0	**66.2**	1.7	0	65.9	2.0	0	65.7	2.2	0	65.5	2.4	0
R-14.05	EW 14.1	NB 14.1	Nisson Road	Swimming Pool	1	**67.6**	**67.7**	**69.7**	2.0	2.1	C(67)	A/E	--	--	--	--	--	--	--	--	--	**67.9**	1.8	0	**67.5**	2.2	0	**67.4**	2.3	0	**67.2**	2.5	0	**67.0**	2.7	0	**66.9**	2.8	0
R-14.06	EW 14.2*	NB 14.1	Utt Drive	Residential	1	**69.4**	**69.5**	**74.9**	5.4	5.5	B(67)	A/E	**72.3**	2.6	0	**71.5**	3.4	0	**70.4**	4.5	0	**69.5**	5.4	1	**69.0**	5.9	1	**68.7**	6.2	1	**68.4**	6.5	1	**68.2**	6.7	1	**68.0**	6.9	1
R-14.07	EW 14.2*	NB 14.1	Utt Drive	Residential	1	**68.8**	**69.0**	**75.7**	6.7	6.9	B(67)	A/E	**72.2**	3.5	0	**71.4**	4.3	0	**69.9**	5.8	1	**68.7**	7.0	1	**68.0**	7.7	1	**67.5**	8.2	1	**67.1**	8.6	1	**66.8**	8.9	1	**66.5**	9.2	1
R-14.08	EW 14.2*	NB 14.1	Utt Drive	Residential	2	**67.0**	**67.1**	**72.3**	5.2	5.3	B(67)	A/E	**69.4**	2.9	0	**68.8**	3.5	0	**68.1**	4.2	0	**66.4**	5.9	2	65.6	6.7	2	65.0	7.3	2	64.6	7.7	2	64.1	8.2	2	63.7	8.6	2
R-14.09	EW 14.2*	NB 14.1	Utt Drive	Residential	1	**66.5**	**66.6**	**71.8**	5.2	5.3	B(67)	A/E	**68.4**	3.4	0	**67.9**	3.9	0	**67.5**	4.3	0	**66.0**	5.8	1	65.1	6.7	1	64.6	7.2	1	64.1	7.7	1	63.7	8.1	1	63.4	8.4	1
R-14.10	EW 14.2*	NB 14.1	Woodlawn Avenue	Residential	2	64.6	64.7	**74.6**	9.9	10.0	B(67)	A/E	**68.5**	6.1	2	**67.1**	7.5	2	65.5	9.1	2	64.2	10.4	2	63.2	11.4	2	62.5	12.1	2	61.9	12.7	2	61.4	13.2	2	61.0	13.6	2
R-14.11	EW 14.2*	NB 14.1	Woodlawn Avenue	Residential	4	64.2	64.3	**72.4**	8.1	8.2	B(67)	A/E	**67.2**	5.2	4	**66.3**	6.1	4	65.2	7.2	4	63.2	9.2	4	62.2	10.2	4	61.3	11.1	4	60.7	11.7	4	60.2	12.2	4	59.7	12.7	4
R-14.12	EW 14.2*	NB 14.1	Charloma Drive	Residential	2	65.2	65.3	**74.6**	9.3	9.4	B(67)	A/E	**69.1**	5.5	2	**67.8**	6.8	2	**66.0**	8.6	2	64.4	10.2	2	63.4	11.2	2	62.6	12.0	2	61.9	12.7	2	61.3	13.3	2	60.8	13.8	2
R-14.13	EW 14.2*	NB 14.1	Charloma Drive	Residential	4	64.3	64.5	**73.1**	8.6	8.8	B(67)	A/E	**67.5**	5.6	4	**66.5**	6.6	4	65.1	8.0	4	63.0	10.1	4	61.9	11.2	4	61.1	12.0	4	60.4	12.7	4	59.8	13.3	4	59.3	13.8	4
R-14.14	EW 14.2*	NB 14.1	Carfax Avenue	Residential	2	**68.9**	**69.0**	**78.0**	9.0	9.1	B(67)	A/E	**72.5**	5.5	2	**71.1**	6.9	2	**69.5**	8.5	2	**68.2**	9.8	2	**67.3**	10.7	2	**66.6**	11.4	2	**66.0**	12.0	2	65.4	12.6	2	65.0	13.0	2
R-14.15	EW 14.2*	NB 14.1	Carfax Avenue	Residential	4	**67.2**	**67.3**	**75.9**	8.6	8.7	B(67)	A/E	**70.5**	5.4	4	**69.4**	6.5	4	**67.8**	8.1	4	**66.3**	9.6	4	65.4	10.5	4	64.7	11.2	4	64.1	11.8	4	63.6	12.3	4	63.1	12.8	4
R-14.16	EW 14.2*	NB 14.1	Del Amo Avenue	Residential	2	**67.6**	**67.7**	**75.2**	7.5	7.6	B(67)	A/E	**70.8**	4.4	0	**69.6**	5.6	2	**68.1**	7.1	2	**67.3**	7.9	2	**66.7**	8.5	2	**66.0**	9.2	2	65.5	9.7	2	65.1	10.1	2	64.7	10.5	2
R-14.17	EW 14.2*	NB 14.1	Del Amo Avenue	Residential	4	**66.2**	**66.3**	**73.5**	7.2	7.3	B(67)	A/E	**69.5**	4.0	0	**68.3**	5.2	4	**66.8**	6.7	4	65.6	7.9	4	64.8	8.7	4	64.2	9.3	4	63.7	9.8	4	63.3	10.2	4	63.0	10.5	4
R-14.18	EW 14.2*	NB 14.1	Del Amo Avenue	Residential	2	64.4	64.6	**72.6**	8.0	8.2	B(67)	A/E	**67.8**	4.8	0	**66.5**	6.1	2	65.1	7.5	2	64.2	8.4	2	63.6	9.0	2	63.1	9.5	2	62.5	10.1	2	61.9	10.7	2	61.5	11.1	2
R-14.19	EW 14.2*	NB 14.1	Del Amo Avenue	Residential	2	65.5	65.7	**71.6**	5.9	6.1	B(67)	A/E	**68.1**	3.5	0	**67.2**	4.4	0	**66.2**	5.4	2	65.5	6.1	2	65.1	6.5	2	64.8	6.8	2	64.6	7.0	2	64.6	7.0	2	64.5	7.1	2
R-14.20	EW 14.2*	NB 14.1	Nisson Road	Residential	1	**70.3**	**70.5**	**75.0**	4.5	4.7	B(67)	A/E	**71.8**	3.2	0	**71.2**	3.8	0	**70.7**	4.3	0	**70.5**	4.5	0	**70.1**	4.9	0	**69.8**	5.2	1	**69.7**	5.3	1	**69.5**	5.5	1	**69.3**	5.7	1
R-14.21	EW 14.2*	NB 14.1	Nisson Road	Residential	1	**71.0**	**71.2**	**78.4**	7.2	7.4	B(67)	A/E	**73.8**	4.6	0	**72.6**	5.8	1	**71.5**	6.9	1	**71.0**	7.4	1	**70.4**	8.0	1	**70.1**	8.3	1	**69.9**	8.5	1	**69.8**	8.6	1	**69.5**	8.9	1
R-14.22	EW 14.2*	NB 14.1	Walter Avenue	Residential	2	63.3	63.5	**66.5**	3.0	3.2	B(67)	A/E	64.9	1.6	0	64.6	1.9	0	64.3	2.2	0	64.1	2.4	0	63.9	2.6	0	63.7	2.8	0	63.6	2.9	0	63.6	2.9	0	63.5	3.0	0
R-14.23	EW 14.2*	NB 14.1	Walter Avenue	Residential	2	65.9	**66.1**	**69.6**	3.5	3.7	B(67)	A/E	**68.0**	1.6	0	**67.5**	2.1	0	**66.9**	2.7	0	**66.6**	3.0	0	**66.4**	3.2	0	**66.3**	3.3	0	**66.2**	3.4	0	**66.1**	3.5	0	**66.0**	3.6	0
R-14.24	EW 14.2*	NB 14.1	Walter Avenue	Residential	2	**68.8**	**69.0**	**72.7**	3.7	3.9	B(67)	A/E	**70.6**	2.1	0	**70.3**	2.4	0	**70.0**	2.7	0	**69.8**	2.9	0	**69.7**	3.0	0	**69.6**	3.1	0	**69.6**	3.1	0	**69.5**	3.2	0	**69.4**	3.3	0
R-14.25	EW 14.2*	NB 14.1	Nisson Road	Residential	1	**70.1**	**70.4**	**74.7**	4.3	4.6	B(67)	A/E	**72.0**	2.7	0	**71.2**	3.5	0	**70.9**	3.8	0	**70.5**	4.2	0	**70.3**	4.4	0	**70.2**	4.5	0	**69.9**	4.8	0	**69.8**	4.9	0	**69.7**	5.0	1
R-14.26	EW 14.2*		Newport Avenue	Commercial	1	74.2	74.5	77.3	2.8	3.1	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.27			Newport Avenue	Restaurant	1	74.3	74.7	76.6	1.9	2.3	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.28			Newport Avenue	Retail	1	69.8	70.0	68.6	-1.4	-1.2	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.29		NB 14.2	South C Street	Residential	2	**72.1**	**72.3**	**72.8**	0.5	0.7	B(67)	A/E	**72.4**	0.4	0	**72.4**	0.4	0	**72.4**	0.4	0	**72.3**	0.5	0	**72.2**	0.6	0	**71.9**	0.9	0	**71.4**	1.4	0	**70.8**	2.0	0	**70.3**	2.5	0
R-14.30		NB 14.2	South C Street	Residential	2	**71.9**	**72.1**	**72.1**	0.0	0.2	B(67)	A/E	**71.8**	0.3	0	**71.6**	0.5	0	**71.4**	0.7	0	**70.9**	1.2	0	**70.5**	1.6	0	**69.8**	2.3	0	**69.1**	3.0	0	**68.5**	3.6	0	**67.8**	4.3	0
R-14.31		NB 14.2	South C Street	Residential	2	**69.6**	**69.8**	**69.8**	0.0	0.2	B(67)	A/E	**69.8**	0.0	0	**69.8**	0.0	0	**69.8**	0.0	0	**69.8**	0.0	0	**69.6**	0.2	0	**69.1**	0.7	0	**68.7**	1.1	0	**68.1**	1.7	0	**67.2**	2.6	0
R-14.32		NB 14.2	South C Street	Residential	1	**70.6**	**70.8**	**71.1**	0.3	0.5	B(67)	A/E	**70.8**	0.3	0	**70.7**	0.4	0	**70.5**	0.6	0	**70.2**	0.9	0	**69.8**	1.3	0	**69.3**	1.8	0	**68.6**	2.5	0	**67.8**	3.3	0	**67.1**	4.0	0
R-14.33		NB 14.2	South B Street	Residential	1	**71.4**	**71.6**	**71.4**	-0.2	0.0	B(67)	A/E	**70.9**	0.5	0	**70.6**	0.8	0	**70.3**	1.1	0	**69.7**	1.7	0	**69.2**	2.2	0	**68.7**	2.7	0	**68.1**	3.3	0	**67.5**	3.9	0	**66.9**	4.5	0
R-14.34	EW 14.3	NB 14.2	Via Entrada	Residential	4	**69.3**	**69.8**	**69.9**	0.1	0.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.9**	1.0	0	**68.5**	1.4	0	**68.0**	1.9	0	**67.6**	2.3	0	**67.2**	2.7	0	**66.8**	3.1	0
R-14.35	EW 14.3	NB 14.2	Via Entrada	Residential	4	**68.9**	**69.7**	**70.1**	0.4	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	**69.4**	0.7	0	**68.9**	1.2	0	**68.5**	1.6	0	**68.1**	2.0	0	**67.7**	2.4	0	**67.3**	2.8	0
R-14.36	EW 14.3	NB 14.2	Via Entrada	Residential	4	**69.2**	**70.2**	**70.7**	0.5	1.5	B(67)	A/E	--	--	--	--	--	--	--	--	--	**70.1**	0.6	0	**69.6**	1.1	0	**69.1**	1.6	0	**68.7**	2.0	0	**68.4**	2.3	0	**68.1**	2.6	0
R-14.37	EW 14.3	NB 14.2	Via Entrada	Residential	3	**69.1**	**70.3**	**70.8**	0.5	1.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**70.3**	0.5	0	**69.8**	1.0	0	**69.3**	1.5	0	**69.0**	1.8	0	**68.6**	2.2	0	**68.3**	2.5	0
R-14.38	EW 14.3	NB 14.2	Via Entrada	Swimming Pool	1	**69.2**	**69.4**	**69.5**	0.1	0.3	C(67)	A/E	--	--	--	--	--	--	--	--	--	**68.9**	0.6	0	**68.4**	1.1	0	**67.9**	1.6	0	**67.4**	2.1	0	**66.8**	2.7	0	**66.3**	3.2	0
R-14.39	EW 14.3	NB 14.2	Via Entrada	Residential	4	**68.2**	**68.5**	**68.9**	0.4	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.9**	1.0	0	**67.8**	1.1	0	**67.4**	1.5	0	**66.8**	2.1	0	**66.3**	2.6	0	**66.0**	2.9	0
R-14.40	EW 14.3	NB 14.2	Via Entrada	Residential	4	**67.6**	**68.0**	**68.7**	0.7	1.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.8**	0.9	0	**67.3**	1.4	0	**67.2**	1.5	0	**66.8**	1.9	0	**66.4**	2.3	0	**66.0**	2.7	0
R-14.41	EW 14.3	NB 14.2	Via Entrada	Residential	2	**67.5**	**68.1**	**68.5**	0.4	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.9**	0.6	0	**67.5**	1.0	0	**67.4**	1.1	0	**67.0**	1.5	0	**66.6**	1.9	0	**66.2**	2.3	0
R-14.42	EW 14.3	NB 14.2	Nisson Road	Residential	3	64.9	65.3	65.9	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	65.3	0.6	0	64.8	1.1	0	64.3	1.6	0	63.8	2.1	0	63.5	2.4	0	63.2	2.7	0
R-14.43	EW 14.3	NB 14.2	Nisson Road	Residential	4	64.2	64.4	64.9	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	64.2	0.7	0	63.6	1.3	0	63.2	1.7	0	62.8	2.1	0	62.4	2.5	0	62.1	2.8	0
R-14.44	EW 14.3	NB 14.2	Nisson Road	Residential	4	63.3	63.5	63.9	0.4	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	63.2	0.7	0	62.8	1.1	0	62.4	1.5	0	62.1	1.8	0	61.9	2.0	0	61.6	2.3	0
R-14.45	EW 14.3	NB 14.2	Nisson Road	Swimming Pool	1	63.9	64.1	64.8	0.7	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	64.1	0.7	0	63.5	1.3	0	63.1	1.7	0	62.7	2.1	0	62.3	2.5	0	62.1	2.7	0

Table J-1: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-14.46	EW 14.3	NB 14.2	Nisson Road	Residential	4	61.7	63.4	64.4	1.0	2.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.6	0.8	0	63.5	0.9	0	63.5	0.9	0	63.4	1.0	0	63.3	1.1	0	63.2	1.2	0
R-14.47	EW 14.3	NB 14.2	Nisson Road	Residential	4	61.6	61.9	62.8	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.4	0.4	0	62.3	0.5	0	62.2	0.6	0	62.1	0.7	0	62.0	0.8	0	61.9	0.9	0
R-14.48	EW 14.3	NB 14.2	Nisson Road	Residential	2	**66.8**	**67.2**	**70.5**	3.3	3.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**67.9**	2.6	0	**67.9**	2.6	0	**67.8**	2.7	0	**67.8**	2.7	0	**67.7**	2.8	0	**67.7**	2.8	0
R-14.49	EW 14.3	NB 14.2	Nisson Road	Residential	2	62.6	62.7	64.2	1.5	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.0	1.2	0	62.9	1.3	0	62.8	1.4	0	62.8	1.4	0	62.7	1.5	0	62.7	1.5	0
R-14.50	EW 14.3	NB 14.2	Nisson Road	Swimming Pool	1	63.1	63.7	65.3	1.6	2.2	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.4	0.9	0	64.4	0.9	0	64.3	1.0	0	64.3	1.0	0	64.3	1.0	0	64.3	1.0	0
R-14.51	EW 14.3	NB 14.2	Nisson Road	Residential	4	62.5	63.5	**66.0**	2.5	3.5	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	64.1	1.9	0	64.1	1.9	0	64.1	1.9	0	64.1	1.9	0	64.0	2.0	0	64.0	2.0	0
R-14.52	EW 14.3	NB 14.2	Nisson Road	Residential	4	62.7	62.8	64.2	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.9	1.3	0	62.8	1.4	0	62.7	1.5	0	62.7	1.5	0	62.6	1.6	0	62.6	1.6	0
R-14.53	EW 14.3	NB 14.2	Nisson Road	Residential	4	61.5	63.5	65.1	1.6	3.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.0	1.1	0	64.0	1.1	0	64.0	1.1	0	64.0	1.1	0	63.9	1.2	0	63.9	1.2	0
R-14.54	EW 14.3	NB 14.2	Nisson Road	Residential	4	**67.8**	**69.0**	**69.4**	0.4	1.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**69.2**	0.2	0	**69.2**	0.2	0	**69.2**	0.2	0	**69.2**	0.2	0	**69.1**	0.3	0	**69.1**	0.3	0
R-14.55	EW 14.3	NB 14.2	Nisson Road	Residential	4	65.9	**66.2**	**66.8**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**66.4**	0.4	0	**66.4**	0.4	0	**66.3**	0.5	0	**66.3**	0.5	0	**66.4**	0.4	0	**66.4**	0.4	0
R-14.56	EW 14.3	NB 14.2	Nisson Road	Residential	2	61.2	61.4	65.5	4.1	4.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.0	3.5	0	61.8	3.7	0	61.6	3.9	0	61.6	3.9	0	61.5	4.0	0	61.5	4.0	0
R-14.57	EW 14.3	NB 14.2	Nisson Road	Residential	2	61.6	61.8	63.9	2.1	2.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	61.8	2.1	0	61.6	2.3	0	61.5	2.4	0	61.4	2.5	0	61.4	2.5	0	61.4	2.5	0
R-14.58	EW 14.3	NB 14.2	Nisson Road	Residential	2	64.2	64.2	65.1	0.9	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.5	0.6	0	64.4	0.7	0	64.3	0.8	0	64.2	0.9	0	64.2	0.9	0	64.2	0.9	0
R-14.59	EW 14.3	NB 14.2	Nisson Road	Residential	2	58.2	58.3	58.4	0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.4	0.0	0	58.4	0.0	0	58.4	0.0	0	58.3	0.1	0	58.3	0.1	0	58.3	0.1	0
R-14.60	EW 14.3	NB 14.2	Nisson Road	Residential	2	58.6	58.7	59.0	0.3	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.8	0.2	0	58.6	0.4	0	58.5	0.5	0	58.4	0.6	0	58.3	0.7	0	58.3	0.7	0
R-14.61	EW 14.3	NB 14.2	Nisson Road	Residential	2	63.0	63.1	64.7	1.6	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.4	1.3	0	63.3	1.4	0	63.2	1.5	0	63.2	1.5	0	63.1	1.6	0	63.1	1.6	0
R-14.62	EW 14.3	NB 14.2	Nisson Road	Residential	2	64.6	64.6	65.5	0.9	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.9	0.6	0	64.8	0.7	0	64.8	0.7	0	64.8	0.7	0	64.7	0.8	0	64.7	0.8	0
R-14.63	EW 14.3	NB 14.2	Nisson Road	Residential	2	65.0	65.1	65.8	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	65.3	0.5	0	65.2	0.6	0	65.3	0.5	0	65.2	0.6	0	65.2	0.6	0	65.2	0.6	0
R-14.64	EW 14.3	NB 14.2	Nisson Road	Residential	2	57.8	57.8	59.6	1.8	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.8	0.8	0	58.6	1.0	0	58.6	1.0	0	58.5	1.1	0	58.5	1.1	0	58.5	1.1	0
R-14.65	EW 14.3	NB 14.2	Nisson Road	Residential	2	53.8	53.6	54.3	0.7	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	54.2	0.1	0	54.1	0.2	0	54.1	0.2	0	54.0	0.3	0	54.0	0.3	0	54.0	0.3	0
R-14.66	EW 14.3	NB 14.2	Nisson Road	Residential	3	64.7	65.1	65.1	0.0	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	65.0	0.1	0	65.0	0.1	0	65.0	0.1	0	65.0	0.1	0	65.0	0.1	0	65.0	0.1	0
R-14.67	EW 14.3	NB 14.2	Nisson Road	Residential	4	57.5	58.1	58.5	0.4	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.2	0.3	0	58.2	0.3	0	58.2	0.3	0	58.1	0.4	0	58.1	0.4	0	58.1	0.4	0
R-14.68	EW 14.3	NB 14.2	Nisson Road	Residential	4	59.0	59.2	59.6	0.4	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.3	0.3	0	59.3	0.3	0	59.2	0.4	0	59.2	0.4	0	59.2	0.4	0	59.2	0.4	0
R-14.69	EW 14.3	NB 14.2	Nisson Road	Residential	4	60.2	60.3	60.6	0.3	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.4	0.2	0	60.4	0.2	0	60.4	0.2	0	60.3	0.3	0	60.3	0.3	0	60.3	0.3	0
R-14.70	EW 14.3	NB 14.2	Nisson Road	Residential	4	63.1	63.2	63.2	0.0	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.1	0.1	0	63.1	0.1	0	63.1	0.1	0	63.1	0.1	0	63.1	0.1	0	63.1	0.1	0
R-14.71	EW 14.3	NB 14.2	Nisson Road	Swimming Pool	1	60.3	60.5	60.9	0.4	0.6	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.8	0.1	0	60.8	0.1	0	60.8	0.1	0	60.8	0.1	0	60.8	0.1	0	60.8	0.1	0
R-14.72	EW 14.3	NB 14.2	Nisson Road	Residential	3	62.7	63.0	63.1	0.1	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0
R-14.73	EW 14.4	NB 14.2	Nisson Road	Residential	4	65.9	**66.0**	**66.1**	0.1	0.2	B(67)	A/E	--	--	--	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0
R-14.74	EW 14.4	NB 14.2	Nisson Road	Residential	4	**74.8**	**75.0**	**75.1**	0.1	0.3	B(67)	A/E	--	--	--	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0	**75.0**	0.1	0

Source: LSA Associates, Inc. (June 2017).

[1] An * represents an existing wall that would be demolished as part of the project. The existing wall would be reconstructed to match the existing height at a minimum.

[2] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[3] 2050 with project traffic noise levels assumes zero feet for existing wall heights that would be demolished as part of the project.

[4] Activity Categories without outdoor frequent human use areas were not evaluated against the Noise Abatment Criteria (NAC).

[5] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[6] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

[7] Shaded cells indicate the approximate existing wall heights.

A/E = Approach or Exceed

dBA = A-weighted decibels

dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels

IL = Insertion Loss

NAC = Noise Abatement Criteria

NBR = Number of Benefitted Receptors

Sub = Substantial noise increase

Table J-2: Predicted Future Noise Level and Noise Barrier for Alternative 2A - Alternative Barrier Locations

Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$ — Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. of Units/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level: Without Project, dBA Leq[2]	2050 Noise Level: With Project, dBA Leq[2,3]	2050 Noise Level: With Project Minus No Project Conditions	2050 Noise Level: With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	6 feet $L_{eq}(h)$	6 feet I.L.	6 feet NBR	8 feet $L_{eq}(h)$	8 feet I.L.	8 feet NBR	10 feet $L_{eq}(h)$	10 feet I.L.	10 feet NBR	12 feet $L_{eq}(h)$	12 feet I.L.	12 feet NBR	14 feet $L_{eq}(h)$	14 feet I.L.	14 feet NBR	16 feet $L_{eq}(h)$	16 feet I.L.	16 feet NBR	18 feet $L_{eq}(h)$	18 feet I.L.	18 feet NBR	20 feet $L_{eq}(h)$	20 feet I.L.	20 feet NBR	22 feet $L_{eq}(h)$	22 feet I.L.	22 feet NBR
R-4.149	EW 4.6	NB 4.3	Phillipsburg	Residential	2	65.9	**66.3**	**67.1**	0.8	1.2	B(67)	A/E	--	--	--	63.8	3.3	0	62.3	4.8	0	61.3	5.8	2	60.0	7.1	2	58.6	8.5	2	57.7	9.4	2	57.1	10.0	2	56.7	10.4	2
R-4.150	EW 4.6	NB 4.3	Phillipsburg	Residential	1	65.3	65.7	**66.7**	1.0	1.4	B(67)	A/E	--	--	--	64.0	2.7	0	62.7	4.0	0	61.7	5.0	1	59.9	6.8	1	58.9	7.8	1	58.1	8.6	1	57.5	9.2	1	57.0	9.7	1
R-11.17	EW 11.3	NB 11.3	Bird Wing	Residential	2	63.6	63.9	64.8	0.9	1.2	B(67)	--	64.5	0.3	0	64.5	0.3	0	64.1	0.7	0	62.9	1.9	0	62.6	2.2	0	61.2	3.6	0	59.9	4.9	0	59.0	5.8	2	58.2	6.6	2
R-11.19	EW 11.3	NB 11.3	Skipper	Residential	1	57.9	58.2	58.3	0.1	0.4	B(67)	--	58.1	0.2	0	58.1	0.2	0	58.1	0.2	0	58.2	0.1	0	57.8	0.5	0	56.1	2.2	0	55.2	3.1	0	54.5	3.8	0	54.6	3.7	0
R-11.20	EW 11.3	NB 11.3	Skipper	Residential	1	63.6	63.8	63.6	-0.2	0.0	B(67)	--	62.7	0.9	0	62.7	0.9	0	62.6	1.0	0	62.4	1.2	0	61.9	1.7	0	61.6	2.0	0	61.2	2.4	0	60.9	2.7	0	60.7	2.9	0
R-11.21	EW 11.3	NB 11.3	Skipper	Residential	1	62.6	62.8	62.8	0.0	0.2	B(67)	--	62.8	0.0	0	62.8	0.0	0	62.8	0.0	0	62.8	0.0	0	62.0	0.8	0	61.4	1.4	0	61.0	1.8	0	60.6	2.2	0	60.3	2.5	0
R-11.22	EW 11.3	NB 11.3	Skipper	Tennis Courts	1	**70.2**	**70.4**	**70.2**	-0.2	0.0	C(67)	A/E	**70.1**	0.1	0	**67.3**	2.9	0	**66.2**	4.0	0	65.3	4.9	0	64.3	5.9	1	63.5	6.7	1	62.8	7.4	1	62.4	7.8	1	62.0	8.2	1
R-14.29	EW 14.6	NB 14.3	South C Street	Residential	2	**72.1**	**72.3**	**72.8**	0.5	0.7	B(67)	A/E	**70.1**	2.7	0	**67.4**	5.4	2	**66.3**	6.5	2	64.6	8.2	2	63.8	9.0	2	63.2	9.6	2	62.9	9.9	2	62.8	10.0	2	62.7	10.1	2
R-14.30	EW 14.6	NB 14.3	South C Street	Residential	2	**71.9**	**72.1**	**72.1**	0.0	0.2	B(67)	A/E	**71.9**	0.2	0	**69.0**	3.1	0	**68.0**	4.1	0	**67.2**	4.9	0	**66.1**	6.0	2	64.6	7.5	2	64.3	7.8	2	63.6	8.5	2	62.9	9.2	2
R-14.31	EW 14.6	NB 14.3	South C Street	Residential	2	**69.6**	**69.8**	**69.8**	0.0	0.2	B(67)	A/E	**69.8**	0.0	0	**69.8**	0.0	0	**68.9**	0.9	0	**67.2**	2.6	0	**66.4**	3.4	0	**66.2**	3.6	0	**66.0**	3.8	0	**66.1**	3.7	0	65.8	4.0	0
R-14.32	EW 14.6	NB 14.3	South C Street	Residential	1	**70.6**	**70.8**	**71.1**	0.3	0.5	B(67)	A/E	**70.7**	0.4	0	**70.7**	0.4	0	**70.5**	0.6	0	**69.0**	2.1	0	**67.9**	3.2	0	**67.7**	3.4	0	**67.2**	3.9	0	**67.3**	3.8	0	**66.9**	4.2	0
R-14.33	EW 14.6	NB 14.3	South B Street	Residential	1	**71.4**	**71.6**	**71.4**	-0.2	0.0	B(67)	A/E	**68.9**	2.5	0	**67.0**	4.4	0	64.4	7.0	1	63.0	8.4	1	62.1	9.3	1	61.4	10.0	1	60.7	10.7	1	60.2	11.2	1	59.4	12.0	1

Source: LSA Associates, Inc. (June 2017).

[1] An * represents an existing wall that would be demolished as part of the project. The existing wall would be reconstructed to match the existing height at a minimum.

[2] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[3] 2050 with project traffic noise levels assumes zero feet for existing wall heights that would be demolished as part of the project.

[4] Activity Categories without outdoor frequent human use areas were not evaluated against the Noise Abatment Criteria (NAC).

[5] A dash (--) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[6] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

[7] Shaded cells indicate the approximate existing wall heights.

A/E = Approach or Exceed
dBA = A-weighted decibels
dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels
IL = Insertion Loss
NAC = Noise Abatement Criteria
NBR = Number of Benefitted Receptors

Table J-3: Predicted Future Noise Level and Noise Barrier for Alternative 2A with Design Options

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																															
													Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																															
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet					
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR			
R-2.02		NB 2.1	Sand Canyon Avenue	Church	1	**70.6** / 45.6	**71.1** / 46.1	**71.6** / 46.6	0.5	1.0	C(67)/D(52)	A/E	**70.4**	1.2	0	**70.0**	1.6	0	**68.9**	2.7	0	**68.4**	3.2	0	**68.3**	3.3	0	**68.2**	3.4	0	**68.2**	3.4	0	**68.1**	3.5	0	**68.1**	3.5	0			
R-3.10	EW 3.1	NB 3.3	Hayes Street	Residential	1	57.4	57.7	58.6	0.9	1.2	B(67)	--	--	--	--	58.6	0.0	0	58.6	0.0	0	58.6	0.0	0	58.6	0.0	0	58.6	0.0	0	58.6	0.0	0	58.6	0.0	0	58.6	0.0	0			
R-3.11	EW 3.1	NB 3.3	Hayes Street	Residential	1	**68.3**	**68.5**	**69.2**	0.7	0.9	B(67)	A/E	--	--	--	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0	**69.2**	0.0	0			
R-3.12	EW 3.1	NB 3.3	Hayes Street	Residential	1	60.7	61.0	61.6	0.6	0.9	B(67)	--	--	--	--	61.6	0.0	0	61.6	0.0	0	61.6	0.0	0	61.6	0.0	0	61.6	0.0	0	61.6	0.0	0	61.6	0.0	0	61.6	0.0	0			
R-3.13	EW 3.1	NB 3.3	Hayes Street	Residential	1	65.3	65.6	**66.1**	0.5	0.8	B(67)	A/E	--	--	--	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0			
R-3.14	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.8**	**69.0**	**69.6**	0.6	0.8	B(67)	A/E	--	--	--	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0			
R-3.15	EW 3.1	NB 3.3	Hayes Street	Residential	2	**73.5**	**73.7**	**74.0**	0.3	0.5	B(67)	A/E	--	--	--	**74.0**	0.0	0	**74.0**	0.0	0	**74.0**	0.0	0	**74.0**	0.0	0	**74.0**	0.0	0	**74.0**	0.0	0	**74.0**	0.0	0	**74.0**	0.0	0			
R-3.16	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.5	64.8	65.4	0.6	0.9	B(67)	--	--	--	--	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0			
R-3.17	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.1**	**69.4**	**69.9**	0.5	0.8	B(67)	A/E	--	--	--	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0			
R-3.18	EW 3.1	NB 3.3	Hayes Street	Residential	1	64.5	64.8	65.4	0.6	0.9	B(67)	--	--	--	--	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0	65.4	0.0	0			
R-3.19	EW 3.1	NB 3.3	Hayes Street	Residential	1	**67.8**	**68.0**	**68.5**	0.5	0.7	B(67)	A/E	--	--	--	**68.5**	0.0	0	**68.5**	0.0	0	**68.5**	0.0	0	**68.5**	0.0	0	**68.5**	0.0	0	**68.5**	0.0	0	**68.5**	0.0	0	**68.5**	0.0	0			
R-3.20	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.3	64.5	65.0	0.5	0.7	B(67)	--	--	--	--	65.0	0.0	0	65.0	0.0	0	65.0	0.0	0	65.0	0.0	0	65.0	0.0	0	65.0	0.0	0	65.0	0.0	0	65.0	0.0	0			
R-3.21	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.2**	**68.4**	**69.0**	0.6	0.8	B(67)	A/E	--	--	--	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0			
R-3.22	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.7	**66.0**	**66.7**	0.7	1.0	B(67)	A/E	--	--	--	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0	**66.7**	0.0	0			
R-3.23	EW 3.1	NB 3.3	Hayes Street	Residential	3	**71.3**	**71.5**	**72.0**	0.5	0.7	B(67)	A/E	--	--	--	**72.0**	0.0	0	**72.0**	0.0	0	**72.0**	0.0	0	**72.0**	0.0	0	**72.0**	0.0	0	**72.0**	0.0	0	**72.0**	0.0	0	**72.0**	0.0	0			
R-3.24	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.4	64.0	0.6	0.8	B(67)	--	--	--	--	64.0	0.0	0	64.0	0.0	0	64.0	0.0	0	64.0	0.0	0	64.0	0.0	0	64.0	0.0	0	64.0	0.0	0	64.0	0.0	0			
R-3.25	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0			
R-3.26	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.5	64.1	0.6	0.9	B(67)	--	--	--	--	64.1	0.0	0	64.1	0.0	0	64.1	0.0	0	64.1	0.0	0	64.1	0.0	0	64.1	0.0	0	64.1	0.0	0	64.1	0.0	0			
R-3.27	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.6**	**68.7**	**69.6**	0.9	1.0	B(67)	A/E	--	--	--	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0	**69.6**	0.0	0			
R-3.28	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.5	64.7	65.3	0.6	0.8	B(67)	--	--	--	--	65.3	0.0	0	65.3	0.0	0	65.3	0.0	0	65.3	0.0	0	65.3	0.0	0	65.3	0.0	0	65.3	0.0	0	65.3	0.0	0			
R-3.29	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.9**	**71.1**	**71.5**	0.4	0.6	B(67)	A/E	--	--	--	**71.5**	0.0	0	**71.5**	0.0	0	**71.5**	0.0	0	**71.5**	0.0	0	**71.5**	0.0	0	**71.5**	0.0	0	**71.5**	0.0	0	**71.5**	0.0	0			
R-3.30	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.2	65.4	**66.0**	0.6	0.8	B(67)	A/E	--	--	--	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0			
R-3.31	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.3**	0.6	0.8	B(67)	A/E	--	--	--	**70.3**	0.0	0	**70.3**	0.0	0	**70.3**	0.0	0	**70.3**	0.0	0	**70.3**	0.0	0	**70.3**	0.0	0	**70.3**	0.0	0	**70.3**	0.0	0			
R-3.32	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0	**67.4**	0.0	0			
R-3.33	EW 3.1	NB 3.3	Hayes Street	Residential	2	**72.5**	**72.7**	**73.2**	0.5	0.7	B(67)	A/E	--	--	--	**70.9**	2.3	0	**68.9**	4.3	0	**66.9**	6.3	2	65.8	7.4	2	**66.6**	6.6	2	65.8	7.4	2	65.3	7.9	2	64.3	8.9	2			
R-3.34	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.8	**66.0**	**66.5**	0.5	0.7	B(67)	A/E	--	--	--	65.7	0.8	0	64.7	1.8	0	63.1	3.4	0	62.2	4.3	0	61.5	5.0	3	61.0	5.5	3	60.5	6.0	3	60.1	6.4	3			
R-3.35	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.2**	**72.5**	**73.0**	0.5	0.8	B(67)	A/E	--	--	--	**71.3**	1.7	0	**69.3**	3.7	0	**67.1**	5.9	3	65.8	7.2	3	65.1	7.9	3	**66.8**	6.2	3	**66.1**	6.9	3	65.3	7.7	3			
R-3.36	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.9	**66.1**	**66.6**	0.5	0.7	B(67)	A/E	--	--	--	65.9	0.7	0	64.8	1.8	0	63.2	3.4	0	62.3	4.3	0	61.7	4.9	0	61.2	5.4	2	60.9	5.7	2	61.2	5.4	2			
R-3.37	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.1**	**68.4**	**68.9**	0.5	0.8	B(67)	A/E	--	--	--	**67.9**	1.0	0	**66.3**	2.6	0	64.1	4.8	0	63.2	5.7	2	65.7	3.2	0	64.7	4.2	0	63.7	5.2	2	63.2	5.7	2			
R-3.38	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.6	64.9	65.3	0.4	0.7	B(67)	--	--	--	--	64.6	0.7	0	63.4	1.9	0	61.5	3.8	0	60.4	4.9	0	59.8	5.5	4	59.4	5.9	4	59.2	6.1	4	60.1	5.2	4			
R-3.39	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.2	64.4	64.9	0.5	0.7	B(67)	--	--	--	--	63.8	1.1	0	62.5	2.4	0	60.9	4.0	0	59.9	5.0	4	59.2	5.7	4	58.7	6.2	4	58.5	6.4	4	60.0	4.9	0			
R-3.40	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.6**	**66.9**	**67.4**	0.5	0.8	B(67)	A/E	--	--	--	**66.5**	0.9	0	65.4	2.0	0	63.9	3.5	0	63.0	4.4	0	62.3	5.1	3	61.8	5.6	3	61.4	6.0	3	61.0	6.4	3			
R-3.41	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.5**	**72.8**	**73.2**	0.4	0.7	B(67)	A/E	--	--	--	**71.2**	2.0	0	**69.3**	3.9	0	**67.1**	6.1	3	65.9	7.3	3	65.2	8.0	3	**66.6**	6.6	3	65.9	7.3	3	65.4	7.8	3			
R-3.42	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.0	65.3	65.8	0.5	0.8	B(67)	--	--	--	--	64.8	1.0	0	63.6	2.2	0	62.0	3.8	0	61.1	4.7	0	60.5	5.3	2	60.1	5.7	2	59.6	6.2	2	60.8	5.0	2			
R-3.43	EW 3.1	NB 3.3	Hayes Street	Residential	2	**71.7**	**71.9**	**72.2**	0.3	0.5	B(67)	A/E	--	--	--	**70.2**	2.0	0	**68.1**	4.1	0	**66.2**	6.0	2	64.9	7.3	2	65.4	6.8	2	64.9	7.3	2	64.2	8.0	2	63.6	8.6	2			
R-3.44	EW 3.1	NB 3.3	Hayes Street	Residential	2	60.7	60.9	61.3	0.4	0.6	B(67)	--	--	--	--	60.7	0.6	0	59.8	1.5	0	58.6	2.7	0	57.0	4.3	0	56.0	5.3	2	55.3	6.0	2	54.8	6.5	2	54.3	7.0	2			
R-3.45	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.4	65.6	**66.1**	0.5	0.7	B(67)	A/E	--	--	--	64.8	1.3	0	63.1	3.0	0	61.6	4.5	0	59.6	6.5	2	58.5	7.6	2	57.8	8.3	2	59.3	6.8	2	59.3	6.8	2			
R-3.46	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.5	59.7	60.1	0.4	0.6	B(67)	--	--	--	--	59.8	0.3	0	59.0	1.1	0	57.8	2.3	0	55.5	4.6	0	54.3	5.8	2	53.7	6.4	2	53.2	6.9	2	53.0	7.1	2			
R-3.47	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.1	62.3	62.8	0.5	0.7	B(67)	--	--	--	--	62.3	0.5	0	61.5	1.3	0	60.4	2.4	0	58.2	4.6	0	57.2	5.6	2	57.1	5.7	2	59.7	3.1	0	58.9	3.9	0			
R-3.48	EW 3.1	NB 3.3	Hayes Street	Residential	4	61.9	62.1	62.6	0.5	0.7	B(67)	--	--	--	--	62.2	0.4	0	61.5	1.1	0	60.5	2.1	0	58.8	3.8	0	57.8	4.8	0	57.1	5.5	4	56.6	6.0	4	56.2	6.4	4			
R-3.49	EW 3.1	NB 3.3	Hayes Street	Residential	4	60.7	61.0	61.4	0.4	0.7	B(67)	--	--	--	--	60.9	0.5	0	60.1	1.3	0	59.0	2.4	0	56.8	4.6	0	55.6	5.8	4	55.0	6.4	4	54.5	6.9	4	54.2	7.2	4			
R-3.50	EW 3.1	NB 3.3	Hayes Street	Residential	3	61.6	61.9	62.4	0.5	0.8	B(67)	--	--	--	--	62.0	0.4	0	61.2	1.2	0	60.1	2.3	0	58.4	4.0	0	57.5	4.9	0	56.9	5.5	3	56.4	6.0	3	56.0	6.4	3			
R-3.51	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.8**	**67.1**	**67.6**	0.5	0.8	B(67)	A/E	--	--	--	**66.2**	1.4	0	65.0	2.6	0	63.5	4.1	0	61.3	6.3	3	60.1	7.5	3	59.5	8.1	3	59.4	8.2	3	60.6	7.0	3			
R-3.52	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.5	62.8	63.3	0.5	0.8	B(67)	--	--	--	--	62.7	0.6	0	61.9	1.4	0	60.9	2.4	0	59.3	4.0	0	58.3	5.0	3	57.6	5.7	3	57.1	6.2	3	56.6	6.7	3			
R-3.53	EW 3.1	NB 3.3	Hayes Street	Residential	3	**67.7**	**67.9**	**68.5**	0.6	0.8	B(67)	A/E	--	--	--	**66.9**	1.6	0	65.5	3.0	0	64.2	4.3	0	62.0	6.5	3	60.7	7.8	3	60.0	8.5	3	59.8	8.7	3	60.6	7.9	3			
R-3.54	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.3	62.6	63.0	0.4	0.7	B(67)	--	--	--	--	61.6	1.4	0	60.6	2.4	0	59.5	3.5	0	57.9	5.1	2	56.9	6.1	2	56.3	6.7	2	55.7	7.3	2	55.3	7.7	2			
R-3.55	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.9**	**68.1**	**68.7**	0.6	0.8	B(67)	A/E	--	--	--	**66.3**	2.4	0	64.6	4.1	0	62.5	6.2	2	60.3	8.4	2	59.1	9.6	2	58.4	10.3	2	59.4	9.3	2	59.7	9.0	2			
R-3.56	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.6	59.8	60.2	0.4	0.6	B(67)	--	--	--	--	59.4	0.8	0	58.1	2.1	0	56.2	4.0	0	54.6	5.6	2	53.6	6.6	2	53.1	7.1	2	52.8	7.4	2	55.4	4.8	0			
R-3.57	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.9	63.1	63.6	0.5	0.7	B(67)	--	--	--	--	62.6	1.0	0	61.0	2.6	0	59.3	4.3	0	58.2	5.4	2	59.5	4.1	0	59.0	4.6	0	58.4	5.2	2	57.3	6.3	2			
R-3.58	EW 3.1	NB 3.3	Hayes Street	Residential	4	62.8	63.0	63.5	0.5	0.7	B(67)	--	--	--	--	62.8	0.7	0	61.9	1.6	0	60.5	3.0	0	59.3	4.2	0	58.5	5.0	4	57.9	5.6	4	57.4	6.1	4	57.0	6.5	4			
R-3.59	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.7	63.0	63.5	0.5	0.8	B(67)	--	--	--	--	62.8	0.7	0	61.9	1.6	0	60.3	3.2	0	59.2	4.3	0	58.3	5.2	3	57.8	5.7	3	57.3	6.2	3	56.9	6.6	3			
R-3.60	EW 3.1	NB 3.3	Hayes Street	Residential	3	**68.4**	**68.6**	**69.1**	0.5	0.7	B(67)	A/E	--	--	--	**67.6**	1.5	0	**66.0**	3.1	0	63.8	5.3	3	62.4	6.7	3	61.4	7.7	3	62.3	6.8	3	62.1	7.0	3	62.1	7.0	3			
R-3.61	EW 3.1	NB 3.3	Hayes Street	Residential	3	63.9	64.2	64.8	0.6	0.9	B(67)	--	--	--	--	63.9	0.9	0	62.7	2.1	0	61.3	3.5	0	59.9	4.9	0	59.0	5.8	3	58.3	6.5	3	57.7	7.1	3	57.3	7.5	3			
R-3.62	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.2**	**69.5**	**70.2**	0.7	1.0	B(67)	A/E	--	--	--	**69.1**	1.1	0	**67.4**	2.8	0	65.2	5.0	3	63.1	7.1	3	61.9	8.3	3	62.2	8.0	3	62.5	7.7	3	62.4	7.8	3			
R-3.63	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.0	63.3	63.8	0.5	0.8	B(67)	--	--	--	--	63.1	0.7	0	62.1	1.7	0	60.6	3.2	0	59.3	4.5	0	58.4	5.4	2	57.7	6.1	2	57.2	6.6	2	56.8	7.0	2			
R-3.64	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.0**	**68.2**	**68.8**	0.6	0.8	B(67)	A/E	--	--	--	**67.6**	1.2	0	65.9	2.9	0	63.9	4.9	0	62.0	6.8	2	61.1	7.7	2	62.0	6.8	2	61.9	6.9	2	61.3	7.5	2			
R-3.65	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.7	63.0	63.5	0.5	0.8	B(67)	--	--	--	--	62.4	1.1	0	60.7	2.8	0	59.2	4.3	0	57.4	6.1	2	56.2	7.3	2	55.4	8.1	2	54.8	8.7	2	54.5	9.0	2			
R-3.66	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.6**	**67.9**	**68.3**	0.4	0.7	B(67)	A/E	--	--	--	**66.8**	1.5	0	64.8	3.5	0	63.2	5.1	2	60.6	7.7	2	59.2	9.1	2	59.3	9.0	2	58.8	9.5	2	57.6	10.7	2			
R-3.67	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.9	65.2	65.7	0.5	0.8	B(67)	--	--	--	--	64.4	1.3	0	62.5	3.2	0	61.0	4.7	0	59.5	6.2	2	58.5	7.2	2	57.8	7.9	2	57.2	8.5	2	56.7	9.0	2			
R-3.68	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.5**	**70.8**	**71.2**	0.4	0.7	B(67)	A/E	--	--	--	**70.0**	1.2	0	**67.4**	3.8	0	65.3	5.9	2	62.6	8.6	2	61.5	9.7	2	61.5	9.7	2	61.2	10.0	2	60.4	10.8	2			
R-3.69	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.9	64.2	64.9	0.7	1.0	B(67)	--	--	--	--	63.4	1.5	0	62.3	2.6	0	61.1	3.8	0	59.4	5.5	2	58.4	6.5	2	57.7	7.2	2	57.1	7.8	2	56.6	8.3	2			
R-3.70	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.8**	**70.0**	**70.6**	0.6	0.8	B(67)	A/E	--	--	--	**69.0**	1.6	0	**66.8**	3.8	0	65.0	5.6	2	62.6	8.0	2	61.0	9.6	2	60.3	10.3	2	61.2	9.4	2	60.8	9.8	2			
R-3.71	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.8	65.1	65.8	0.7	1.0	B(67)	--	--	--	--	64.9	0.9	0	63.8	2.0	0	62.8	3.0	0	61.1	4.7	0	60.0	5.8	3	59.3	6.5	3	58.7	7.1	3	58.2	7.6	3			
R-3.72	EW 3.1	NB 3.3	Hayes Street	Residential	3	**70.0**	**70.2**	**70.8**	0.6	0.8	B(67)	A/E	--	--	--	**69.9**	0.9	0	**68.8**	2.0	0	**66.9**	3.9	0	64.4	6.4	3	63.0	7.8	3	62.2	8.6	3	62.9	7.9	3	63.3	7.5	3			
R-3.73	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.1	64.4	65.1	0.7	1.0	B(67)	--	--	--	--	64.2	0.9	0	63.5	1.6	0	62.5	2.6	0	61.0	4.1	0	59.8	5.3	3	59.2	5.9	3	58.6	6.5	3	58.2	6.9	3			

Table J-3: Predicted Future Noise Level and Noise Barrier for Alternative 2A with Design Options

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																											
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.74	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.8**	**70.0**	**70.7**	0.7	0.9	B(67)	A/E	--	--	--	**69.9**	0.8	0	**68.2**	2.5	0	**66.6**	4.1	0	64.4	6.3	3	63.0	7.7	3	62.3	8.4	3	63.4	7.3	3	63.5	7.2	3
R-3.75	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	64.2	0.9	0	63.4	1.7	0	62.3	2.8	0	60.7	4.4	0	59.6	5.5	4	59.0	6.1	4	58.4	6.7	4	58.0	7.1	4
R-3.76	EW 3.1	NB 3.3	Hayes Street	Residential	4	63.1	63.4	64.0	0.6	0.9	B(67)	--	--	--	--	62.5	1.5	0	61.6	2.4	0	60.4	3.6	0	58.9	5.1	4	57.7	6.3	4	56.9	7.1	4	56.3	7.7	4	56.0	8.0	4
R-3.77	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.5**	0.8	1.0	B(67)	A/E	--	--	--	**68.5**	2.0	0	**66.7**	3.8	0	64.7	5.8	2	62.6	7.9	2	61.2	9.3	2	60.2	10.3	2	61.6	8.9	2	61.1	9.4	2
R-3.78	EW 3.1	NB 3.3	Huntington	Residential	2	64.3	64.6	65.9	1.3	1.6	B(67)	--	--	--	--	63.8	2.1	0	62.9	3.0	0	61.9	4.0	0	60.7	5.2	2	59.8	6.1	2	59.2	6.7	2	58.7	7.2	2	58.4	7.5	2
R-3.79	EW 3.1	NB 3.3	Huntington	Residential	2	**70.4**	**70.6**	**71.6**	1.0	1.2	B(67)	A/E	--	--	--	**69.3**	2.3	0	**67.6**	4.0	0	65.6	6.0	2	63.7	7.9	2	62.6	9.0	2	61.5	10.1	2	61.8	9.8	2	62.0	9.6	2
R-3.80	EW 3.1	NB 3.3	Huntington	Residential	3	64.1	64.4	**66.0**	1.6	1.9	B(67)	A/E	--	--	--	64.3	1.7	0	63.6	2.4	0	62.7	3.3	0	61.3	4.7	0	60.3	5.7	3	59.8	6.2	3	59.3	6.7	3	59.0	7.0	3
R-3.81	EW 3.1	NB 3.3	Huntington	Residential	3	**69.0**	**69.3**	**70.4**	1.1	1.4	B(67)	A/E	--	--	--	**69.5**	0.9	0	**68.0**	2.4	0	**66.5**	3.9	0	64.4	6.0	3	63.1	7.3	3	62.4	8.0	3	62.3	8.1	3	63.9	6.5	3
R-3.82	EW 3.1	NB 3.3	Huntington	Residential	3	64.4	64.7	**67.4**	2.7	3.0	B(67)	A/E	--	--	--	65.1	2.3	0	64.5	2.9	0	63.6	3.8	0	62.2	5.2	3	61.3	6.1	3	60.8	6.6	3	60.4	7.0	3	60.1	7.3	3
R-3.83	EW 3.1	NB 3.3	Huntington	Residential	3	**69.2**	**69.5**	**71.0**	1.5	1.8	B(67)	A/E	--	--	--	**70.3**	0.7	0	**69.2**	1.8	0	**67.8**	3.2	0	65.7	5.3	3	64.2	6.8	3	63.6	7.4	3	63.2	7.8	3	64.4	6.6	3
R-3.84	EW 3.1	NB 3.3	Huntington	Residential	4	55.3	55.6	56.2	0.6	0.9	B(67)	--	--	--	--	56.1	0.1	0	55.6	0.6	0	55.0	1.2	0	54.1	2.1	0	53.4	2.8	0	52.9	3.3	0	52.6	3.6	0	52.4	3.8	0
R-3.85	EW 3.1	NB 3.3	Huntington	Residential	2	59.3	59.5	60.2	0.7	0.9	B(67)	--	--	--	--	60.0	0.2	0	59.5	0.7	0	59.0	1.2	0	58.4	1.8	0	57.8	2.4	0	56.8	3.4	0	57.1	3.1	0	56.8	3.4	0
R-3.86	EW 3.1	NB 3.3	Huntington	Residential	2	61.1	61.4	61.9	0.5	0.8	B(67)	--	--	--	--	61.3	0.6	0	60.7	1.2	0	59.8	2.1	0	57.7	4.2	0	56.2	5.7	2	55.4	6.5	2	54.9	7.0	2	54.4	7.5	2
R-3.87	EW 3.1	NB 3.3	Huntington	Residential	2	65.5	65.7	**66.3**	0.6	0.8	B(67)	A/E	--	--	--	65.2	1.1	0	64.1	2.2	0	63.0	3.3	0	60.8	5.5	2	59.5	6.8	2	59.1	7.2	2	61.5	4.8	0	60.3	6.0	2
R-3.88	EW 3.1	NB 3.3	Huntington	Residential	2	63.4	63.7	64.8	1.1	1.4	B(67)	--	--	--	--	63.3	1.5	0	62.3	2.5	0	61.2	3.6	0	59.5	5.3	2	58.2	6.6	2	57.4	7.4	2	56.8	8.0	2	56.3	8.5	2
R-3.89	EW 3.1	NB 3.3	Huntington	Residential	2	**68.0**	**68.2**	**68.7**	0.5	0.7	B(67)	A/E	--	--	--	**67.2**	1.5	0	65.3	3.4	0	63.8	4.9	0	62.1	6.6	2	60.8	7.9	2	59.7	9.0	2	60.5	8.2	2	59.5	9.2	2
R-3.90	EW 3.1	NB 3.3	Huntington	Residential	2	63.1	63.4	63.9	0.5	0.8	B(67)	--	--	--	--	62.6	1.3	0	61.7	2.2	0	60.7	3.2	0	59.0	4.9	0	57.7	6.2	2	57.0	6.9	2	56.4	7.5	2	56.0	7.9	2
R-3.91	EW 3.1	NB 3.3	Huntington	Residential	2	**69.6**	**69.8**	**70.3**	0.5	0.7	B(67)	A/E	--	--	--	**69.0**	1.3	0	**66.9**	3.4	0	65.3	5.0	2	62.9	7.4	2	61.2	9.1	2	60.4	9.9	2	62.0	8.3	2	61.3	9.0	2
R-3.92	EW 3.2*	NB 3.3	Van Buren	Residential	2	59.1	59.3	62.7	3.4	3.6	B(67)	--	62.3	0.4	0	61.5	1.2	0	60.6	2.1	0	59.9	2.8	0	59.4	3.3	0	58.8	3.9	0	58.3	4.4	0	58.0	4.7	0	57.8	4.9	0
R-3.93	EW 3.2*	NB 3.3	Van Buren	Park - Sports Area	1	58.6	58.8	63.9	5.1	5.3	C(67)	--	61.0	2.9	0	60.5	3.4	0	60.3	3.6	0	59.9	4.0	0	59.5	4.4	0	59.3	4.6	0	59.1	4.8	0	59.1	4.8	0	59.0	4.9	0
R-7.01	EW 7.1*	NB 7.1	El Camino Real	Restaurant	1	63.9	64.4	65.9	1.5	2.0	E(72)	--	65.5	0.4	0	65.4	0.5	0	65.3	0.6	0	65.2	0.7	0	65.1	0.8	0	65.1	0.8	0	65.0	0.9	0	65.0	0.9	0	65.0	0.9	0
R-7.02	EW 7.1*		El Camino Real	Light Industrial	1	70.7	71.2	72.9	1.7	2.2	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.03	EW 7.2*	NB 7.1	El Camino Real	Residential	1	**70.8**	**71.3**	**75.3**	4.0	4.5	B(67)	A/E	**74.5**	0.8	0	**74.3**	1.0	0	**74.1**	1.2	0	**74.1**	1.2	0	**74.0**	1.3	0	**74.0**	1.3	0	**74.0**	1.3	0	**73.9**	1.4	0	**73.9**	1.4	0
R-7.04	EW 7.2*	NB 7.1	El Camino Real	Residential	1	**70.5**	**71.1**	**75.4**	4.3	4.9	B(67)	A/E	**75.4**	0.0	0	**75.3**	0.1	0	**75.3**	0.1	0	**75.3**	0.1	0	**75.2**	0.2	0	**75.2**	0.2	0	**75.2**	0.2	0	**75.2**	0.2	0	**75.2**	0.2	0
R-7.05	EW 7.2*	NB 7.1	El Camino Real	School - Sports Area	1	62.6	62.7	**67.2**	4.5	4.6	C(67)	A/E	65.6	1.6	0	65.1	2.1	0	64.3	2.9	0	63.6	3.6	0	63.2	4.0	0	63.0	4.2	0	62.8	4.4	0	62.6	4.6	0	62.4	4.8	0
R-7.06	EW 7.2*	NB 7.1	El Camino Real	School	1	**68.2** / 43.2	**68.7** / 43.7	**73.9** / 48.9	5.2	5.7	C(67)/D(52)	A/E	**71.1**	2.8	0	**70.3**	3.6	0	**69.8**	4.1	0	**69.5**	4.4	0	**69.2**	4.7	0	**69.0**	4.9	0	**68.9**	5.0	1	**68.7**	5.2	1	**68.6**	5.3	1
R-7.07	EW 7.2*	NB 7.1	El Camino Real	School	1	65.5 / 40.5	65.7 / 40.7	**71.3** / 46.3	5.6	5.8	C(67)/D(52)	A/E	**68.2**	3.1	0	**67.3**	4.0	0	**66.3**	5.0	1	65.8	5.5	1	65.3	6.0	1	65.0	6.3	1	64.7	6.6	1	64.4	6.9	1	64.2	7.1	1
R-7.08	EW 7.2*	NB 7.1	El Camino Real	School	1	65.2 / 40.2	65.4 / 40.4	69.5 / 44.5	4.1	4.3	D(52)	A/E	66.9	2.6	0	66.0	3.5	0	65.0	4.5	0	64.3	5.2	1	63.8	5.7	1	63.5	6	1	63.2	6.3	1	62.9	6.6	1	62.7	6.8	1
R-7.09			El Camino Real	Commercial	1	70.4	70.5	70.7	0.2	0.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.10		NB 7.1	El Camino Real	School	1	**71.8** / 46.8	**72.3** / 47.3	**73.5** / 48.5	1.2	1.7	C(67)/D(52)	A/E	**72.6**	0.9	0	**72.1**	1.4	0	**71.7**	1.8	0	**71.5**	2.0	0	**71.3**	2.2	0	**71.2**	2.3	0	**71.1**	2.4	0	**71.1**	2.4	0	**71.0**	2.5	0
R-7.11		NB 7.1	El Camino Real	Residential	1	**66.3**	**66.5**	**67.1**	0.6	0.8	B(67)	A/E	65.4	1.7	0	64.9	2.2	0	64.1	3.0	0	63.5	3.6	0	63.2	3.9	0	63.0	4.1	0	62.9	4.2	0	62.8	4.3	0	62.6	4.5	0
R-7.12		NB 7.1	Newport Avenue	Vacant Land	1	71.0	71.1	72.2	1.1	1.2	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.13		NB 7.1	Newport Avenue	Restaurant	1	72.6	73.1	76.0	2.9	3.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.14		NB 7.1	El Camino Way	Commercial	1	71.6	71.7	72.3	0.6	0.7	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.15		NB 7.1	Newport Avenue	Restaurant	1	67.3	67.6	70.4	2.8	3.1	E(72)	--	69.7	0.7	0	69.6	0.8	0	69.5	0.9	0	69.5	0.9	0	69.4	1.0	0	69.4	1.0	0	69.4	1.0	0	69.4	1.0	0	69.4	1.0	0
R-7.16		NB 7.1	El Camino Real	Retail	1	64.7	64.8	65.5	0.7	0.8	E(72)	--	64.8	0.7	0	64.8	0.7	0	64.8	0.7	0	64.7	0.8	0	64.7	0.8	0	64.7	0.8	0	64.7	0.8	0	64.7	0.8	0	64.7	0.8	0
R-7.17		NB 7.1	El Camino Real	Restaurant/Retail	1	61.8	61.9	62.3	0.4	0.5	E(72)	--	62.1	0.2	0	62.1	0.2	0	62.1	0.2	0	62.1	0.2	0	62.1	0.2	0	62.1	0.2	0	62.0	0.3	0	62.0	0.3	0	62.0	0.3	0
R-7.18		NB 7.1	South B Street	Office	1	71.7	71.8	71.4	-0.4	-0.3	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.19		NB 7.1	South B Street	Light Industrial	1	72.8	72.8	72.9	72.5	-0.4	-0.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.05	EW 10.1*	NB 10.1	Topeka	Day Care Center	1	56.9 / 31.9	57.1 / 32.1	64.7 / 39.7	7.6	7.8	C(67)/D(52)	--	60.7	4.0	0	61.1	3.6	0	59.8	4.9	0	57.8	6.9	1	56.7	8.0	1	55.9	8.8	1	55.2	9.5	1	54.7	10.0	1	54.2	10.5	1
R-10.06	EW 10.1*	NB 10.1	Topeka	Day Care Center	1	60.3	60.5	63.4	2.9	3.1	C(67)	--	61.8	1.6	0	61.8	1.6	0	61.5	1.9	0	61.2	2.2	0	61.0	2.4	0	60.9	2.5	0	60.8	2.6	0	60.7	2.7	0	60.7	2.7	0
R-10.07	EW 10.1*	NB 10.1	Austin	Residential	2	60.3	60.8	62.0	1.2	1.7	B(67)	--	61.5	0.5	0	61.5	0.5	0	61.3	0.7	0	61.0	1.0	0	60.7	1.3	0	60.6	1.4	0	60.5	1.5	0	60.6	1.4	0	60.6	1.4	0
R-10.08	EW 10.1*	NB 10.1	Austin	Residential	2	64.4	64.9	**66.2**	1.3	1.8	B(67)	A/E	65.8	0.4	0	65.4	0.8	0	65.2	1.0	0	65.0	1.2	0	64.7	1.5	0	64.7	1.5	0	64.7	1.5	0	64.7	1.5	0	64.8	1.4	0
R-10.09	EW 10.1*	NB 10.1	Austin	Residential	1	59.9	60.4	61.7	1.3	1.8	B(67)	--	61.2	0.5	0	61.2	0.5	0	60.9	0.8	0	60.6	1.1	0	60.4	1.3	0	60.2	1.5	0	60.3	1.4	0	60.3	1.4	0	60.3	1.4	0
R-10.10	EW 10.1*	NB 10.1	Austin	Residential	1	60.5	60.9	62.5	1.6	2.0	B(67)	--	61.9	0.6	0	62.0	0.5	0	61.7	0.8	0	61.4	1.1	0	61.2	1.3	0	61.0	1.5	0	61.0	1.5	0	61.0	1.5	0	61.0	1.5	0
R-10.11	EW 10.1*	NB 10.1	Austin	Residential	1	64.8	65.2	**66.8**	1.6	2.0	B(67)	A/E	**66.4**	0.4	0	65.9	0.9	0	65.7	1.1	0	65.5	1.3	0	65.2	1.6	0	65.1	1.7	0	65.1	1.7	0	65.2	1.6	0	65.2	1.6	0
R-10.12	EW 10.1*	NB 10.1	Austin	Residential	2	60.6	61.0	62.0	1.0	1.4	B(67)	--	61.4	0.6	0	61.4	0.6	0	61.2	0.8	0	60.9	1.1	0	60.6	1.4	0	60.5	1.5	0	60.5	1.5	0	60.5	1.5	0	60.5	1.5	0
R-10.13	EW 10.1*	NB 10.1	Austin	Residential	2	64.3	64.7	**66.3**	1.6	2.0	B(67)	A/E	65.9	0.4	0	65.6	0.7	0	65.3	1.0	0	65.2	1.1	0	64.9	1.4	0	64.9	1.4	0	64.8	1.5	0	64.9	1.4	0	64.9	1.4	0
R-10.14	EW 10.1*	NB 10.1	Austin	Residential	2	58.4	58.8	59.2	0.4	0.8	B(67)	--	59.2	0.0	0	59.2	0.0	0	59.2	0.0	0	59.2	0.0	0	59.2	0.0	0	59.2	0.0	0	59.2	0.0	0	59.2	0.0	0	59.1	0.1	0
R-10.15	EW 10.1*	NB 10.1	Austin	Residential	2	59.7	60.0	63.7	3.7	4.0	B(67)	--	62.9	0.8	0	62.2	1.5	0	61.2	2.5	0	60.5	3.2	0	59.9	3.8	0	59.8	3.9	0	59.8	3.9	0	60.1	3.6	0	60.1	3.6	0
R-10.16	EW 10.1*	NB 10.1	Austin	Residential	1	60.3	60.6	62.6	2.0	2.3	B(67)	--	62.2	0.4	0	61.9	0.7	0	61.5	1.1	0	61.2	1.4	0	61.0	1.6	0	60.8	1.8	0	60.7	1.9	0	60.8	1.8	0	60.8	1.8	0
R-10.17	EW 10.1*	NB 10.1	Austin	Residential	1	60.8	61.2	64.2	3.0	3.4	B(67)	--	63.5	0.7	0	62.8	1.4	0	62.1	2.1	0	61.5	2.7	0	61.1	3.1	0	61.2	3.0	0	61.3	2.9	0	61.2	3.0	0	61.3	2.9	0
R-10.18	EW 10.1*	NB 10.1	Austin	Residential	3	55.5	55.9	59.6	3.7	4.1	B(67)	--	58.9	0.7	0	58.3	1.3	0	57.5	2.1	0	56.7	2.9	0	55.5	4.1	0	54.8	4.8	0	54.4	5.2	3	54.1	5.5	3	53.9	5.7	3
R-10.19	EW 10.1*	NB 10.1	Austin	Residential	3	59.0	59.3	63.1	3.8	4.1	B(67)	--	62.3	0.8	0	61.6	1.5	0	60.7	2.4	0	59.9	3.2	0	59.2	3.9	0	58.6	4.5	0	58.7	4.4	0	58.7	4.4	0	58.9	4.2	0
R-10.20	EW 10.1*	NB 10.1	Austin	Residential	2	59.4	59.7	63.6	3.9	4.2	B(67)	--	62.8	0.8	0	62.2	1.4	0	61.1	2.5	0	60.3	3.3	0	59.5	4.1	0	59.0	4.6	0	59.2	4.4	0	59.8	3.8	0	59.7	3.9	0
R-10.21	EW 10.1*	NB 10.1	Austin	Residential	4	57.3	57.6	65.5	7.9	8.2	B(67)	--	61.9	3.6	0	61.0	4.5	0	59.8	5.7	4	58.4	7.1	4	57.2	8.3	4	56.4	9.1	4	56.0	9.5	4	55.7	9.8	4	55.5	10.0	4
R-10.22	EW 10.1*	NB 10.1	Austin	Residential	2	62.1	62.4	**69.9**	7.5	7.8	B(67)	A/E	**67.2**	2.7	0	65.6	4.3	0	64.2	5.7	2	63.1	6.8	2	61.3	8.6	2	60.4	9.5	2	60.0	9.9	2	59.6	10.3	2	59.5	10.4	2
R-10.23	EW 10.1*	NB 10.1	Austin	Residential	2	59.7	60.0	64.4	4.4	4.7	B(67)	--	62.7	1.7	0	62.3	2.1	0	61.8	2.6	0	60.5	3.9	0	59.6	4.8	0	59.1	5.3	2	58.7	5.7	2	58.4	6.0	2	58.2	6.2	2
R-10.24	EW 10.1*	NB 10.1	Austin	Residential	2	64.7	64.9	**70.2**	5.3	5.5	B(67)	A/E	**68.1**	2.1	0	**67.0**	3.2	0	65.9	4.3	0	65.1	5.1	2	64.1	6.1	2	63.7	6.5	2	63.5	6.7	2	63.3	6.9	2	63.2	7.0	2
R-10.25	EW 10.1*	NB 10.1	Austin	Residential	2	56.3	56.6	61.4	4.8	5.1	B(67)	--	60.6	0.8	0	59.9	1.5	0	58.6	2.8	0	57.4	4.0	0	56.1	5.3	2	55.4	6.0	2	55.0	6.4	2	54.8	6.6	2	54.6	6.8	2
R-10.26	EW 10.1*	NB 10.1	Austin	Residential	2	60.1	60.4	65.2	4.8	5.1	B(67)	--	64.4	0.8	0	63.6	1.6	0	62.3	2.9	0	61.0	4.2	0	59.9	5.3	2	59.0	6.2	2	58.7	6.5	2	58.7	6.5	2	59.1	6.1	2
R-10.27	EW 10.1*	NB 10.1	Austin	Residential	2	60.6	60.9	65.2	4.3	4.6	B(67)	--	64.5	0.7	0	63.8	1.4	0	62.5	2.7	0	61.5	3.7	0	60.6	4.6	0	59.9	5.3	2	59.7	5.5	2	60.4	4.8	0	60.4	4.8	0
R-10.28	EW 10.1*	NB 10.1	Austin	Residential	4	57.2	57.5	62.4	4.9	5.2	B(67)	--	61.6	0.8	0	60.8	1.6	0	59.4	3.0	0	58.1	4.3	0	56.7	5.7	4	56.2	6.2	4	55.8	6.6	4	55.6	6.8	4	55.5	6.9	4
R-10.29	EW 10.1*	NB 10.1	Austin	Residential	2	60.5	60.8	**68.7**	7.9	8.2	B(67)	A/E	**66.1**	2.6	0	64.7	4.0	0	63.3	5.4	2	61.7	7.0	2	60.3	8.4	2	59.6	9.1	2	58.9	9.8	2	58.6	10.1	2	59.6	9.1	2
R-10.30	EW 10.1*	NB 10.1	Austin	Residential	2	58.5	58.7	**66.4**	7.7	7.9	B(67)	A/E	63.5	2.9	0	62.6	3.8	0	60.9	5.5	2	59.6	6.8	2	58.1	8.3	2	57.4	9.0	2	56.8	9.6	2	56.3	10.1	2	55.9	10.5	2

Table J-3: Predicted Future Noise Level and Noise Barrier for Alternative 2A with Design Options

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-10.31	EW 10.1*	NB 10.1	Austin	Residential	2	61.2	61.5	**69.9**	8.4	8.7	B(67)	A/E	**67.1**	2.8	0	65.5	4.4	0	64.1	5.8	2	62.2	7.7	2	60.8	9.1	2	59.9	10.0	2	59.1	10.8	2	58.6	11.3	2	58.3	11.6	2
R-10.32	EW 10.1*	NB 10.1	Austin	Residential	1	60.0	60.3	**67.1**	6.8	7.1	B(67)	A/E	65.0	2.1	0	63.8	3.3	0	62.5	4.6	0	61.0	6.1	1	59.7	7.4	1	59.1	8.0	1	58.5	8.6	1	58.2	8.9	1	59.3	7.8	1
R-10.33	EW 10.1*	NB 10.1	Austin	Residential	2	57.0	57.3	61.9	4.6	4.9	B(67)	--	61.1	0.8	0	60.3	1.6	0	59.1	2.8	0	57.9	4.0	0	56.6	5.3	2	56.0	5.9	2	55.6	6.3	2	55.1	6.8	2	54.9	7.0	2
R-10.34	EW 10.1*	NB 10.1	Austin	Residential	2	62.2	62.4	**66.6**	4.2	4.4	B(67)	A/E	65.9	0.7	0	65.2	1.4	0	64.0	2.6	0	62.9	3.7	0	62.0	4.6	0	61.6	5.0	0	61.4	5.2	2	61.1	5.5	2	61.0	5.6	2
R-10.35	EW 10.1*	NB 10.1	Austin	Residential	4	63.8	64.0	**75.7**	11.7	11.9	B(67)	A/E	**72.6**	3.1	0	**71.3**	4.4	0	**70.8**	4.9	0	**70.0**	5.7	4	**69.7**	6.0	4	**69.5**	6.2	4	**69.4**	6.3	4	**69.3**	6.4	4	**69.2**	6.5	4
R-10.36	EW 10.1*	NB 10.1	Austin	Residential	4	60.4	60.6	**70.5**	9.9	10.1	B(67)	A/E	**66.7**	3.8	0	65.1	5.4	4	63.2	7.3	4	62.0	8.5	4	61.1	9.4	4	60.3	10.2	4	59.6	10.9	4	59.0	11.5	4	58.5	12.0	4
R-10.37	EW 10.1*	NB 10.1	Austin	Residential	4	61.7	61.9	**73.6**	11.7	11.9	B(67)	A/E	**67.6**	6.0	4	**66.3**	7.3	4	64.2	9.4	4	62.9	10.7	4	62.0	11.6	4	61.2	12.4	4	61.2	12.4	4	59.9	13.7	4	59.3	14.3	4
R-10.38	EW 10.1*	NB 10.1	Austin	Residential	4	62.4	62.6	**75.2**	12.6	12.8	B(67)	A/E	**70.7**	4.5	0	**68.4**	6.8	4	**67.1**	8.1	4	64.5	10.7	4	63.1	12.1	4	61.9	13.3	4	61.9	13.3	4	60.4	14.8	4	59.5	15.7	4
R-10.39	EW 10.1*	NB 10.1	Austin	Residential	4	63.4	63.6	**76.1**	12.5	12.7	B(67)	A/E	**71.7**	4.4	0	**69.4**	6.7	4	**68.1**	8.0	4	65.4	10.7	4	64.0	12.1	4	62.9	13.2	4	62.9	13.2	4	60.8	15.3	4	60.2	15.9	4
R-10.40	EW 10.1*	NB 10.1	Austin	Residential	4	63.8	64.0	**78.1**	14.1	14.3	B(67)	A/E	**70.0**	8.1	4	**67.8**	10.3	4	**66.5**	11.6	4	65.5	12.6	4	64.6	13.5	4	63.8	14.3	4	63.8	14.3	4	62.3	15.8	4	61.8	16.3	4
R-10.41	EW 10.1*	NB 10.1	Austin	Residential	6	57.4	57.6	**67.9**	10.3	10.5	B(67)	A/E	63.8	4.1	0	62.8	5.1	6	60.9	7.0	6	59.5	8.4	6	58.3	9.6	6	57.6	10.3	6	57.6	10.3	6	56.9	11.0	6	56.8	11.1	6
R-10.42	EW 10.1*	NB 10.1	Walnut Avenue	Residential	6	56.0	56.2	64.9	8.7	8.9	B(67)	--	62.0	2.9	0	61.0	3.9	0	59.7	5.2	6	58.6	6.3	6	56.9	8.0	6	55.9	9.0	6	55.9	9.0	6	55.7	9.2	6	55.6	9.3	6
R-10.43	EW 10.1*	NB 10.1	Walnut Avenue	Residential	6	51.4	51.7	56.5	4.8	5.1	B(67)	--	55.6	0.9	0	54.5	2.0	0	53.6	2.9	0	53.2	3.3	0	52.4	4.1	0	51.8	4.7	0	51.8	4.7	0	50.5	6.0	6	50.0	6.5	6
R-10.44	EW 10.1*	NB 10.1	Walnut Avenue	Residential	3	58.9	59.1	**69.7**	10.6	10.8	B(67)	A/E	64.8	4.9	0	63.8	5.9	3	62.5	7.2	3	60.9	8.8	3	59.7	10.0	3	58.5	11.2	3	58.5	11.2	3	56.8	12.9	3	56.1	13.6	3
R-10.45	EW 10.1*	NB 10.1	Walnut Avenue	Residential	4	59.2	59.5	**69.7**	10.2	10.5	B(67)	A/E	64.8	4.9	0	64.0	5.7	4	62.9	6.8	4	61.7	8.0	4	60.4	9.3	4	58.8	10.9	4	58.8	10.9	4	57.3	12.4	4	56.8	12.9	4
R-10.46	EW 10.1*	NB 10.1	Walnut Avenue	Residential	6	61.3	61.5	**74.1**	12.6	12.8	B(67)	A/E	**67.5**	6.6	6	**66.1**	8.0	6	64.5	9.6	6	63.5	10.6	6	62.3	11.8	6	60.9	13.2	6	60.9	13.2	6	59.3	14.8	6	58.7	15.4	6
R-10.47	EW 10.1*	NB 10.1	Walnut Avenue	Church	1	64.9 / 39.9	65.1 / 40.1	**79.8** / **54.8**	14.7	14.9	C(67)/D(52)	A/E	**71.6**	8.2	1	**69.6**	10.2	1	**67.7**	12.1	1	**66.5**	13.3	1	65.5	14.3	1	64.7	15.1	1	64.7	15.1	1	63.3	16.5	1	62.6	17.2	1
R-10.48	EW 10.1*	NB 10.1	Walnut Avenue	Church/School	1	55.3 / 30.3	55.6 / 30.6	64.1 / 39.1	8.5	8.8	C(67)/D(52)	--	60.4	3.7	0	59.8	4.3	0	58.8	5.3	1	57.5	6.6	1	56.5	7.6	1	55.6	8.5	1	55.6	8.5	1	54.2	9.9	1	53.7	10.4	1
R-10.49	EW 10.1*	NB 10.1	Walnut Avenue	Church	1	64.5	64.6	**79.9**	15.3	15.4	C(67)	A/E	**71.8**	8.1	1	**69.4**	10.5	1	**67.5**	12.4	1	**66.2**	13.7	1	65.2	14.7	1	64.2	15.7	1	64.2	15.7	1	62.7	17.2	1	61.8	18.1	1
R-10.50	EW 10.1*	NB 10.1	Raleigh	Residential	5	61.8	62.0	**74.6**	12.6	12.8	B(67)	A/E	**68.3**	6.3	5	**66.7**	7.9	5	64.9	9.7	5	63.8	10.8	5	62.8	11.8	5	62.1	12.5	5	62.1	12.5	5	60.6	14.0	5	60.0	14.6	5
R-10.51	EW 10.1*	NB 10.1	Albany	Residential	3	51.8	52.1	61.4	9.3	9.6	B(67)	--	58.2	3.2	0	57.5	3.9	0	56.3	5.1	3	55.0	6.4	3	53.5	7.9	3	52.5	8.9	3	52.5	8.9	3	51.2	10.2	3	51.0	10.4	3
R-10.52	EW 10.1*	NB 10.1	Albany	Residential	3	46.8	47.1	49.9	2.8	3.1	B(67)	--	49.7	0.2	0	49.3	0.6	0	48.9	1.0	0	48.5	1.4	0	48.0	1.9	0	47.5	2.4	0	47.5	2.4	0	46.4	3.5	0	46.0	3.9	0
R-10.53	EW 10.1*	NB 10.1	Heritage	Residential	3	47.8	48.2	51.2	3.0	3.4	B(67)	--	50.8	0.4	0	50.3	0.9	0	49.9	1.3	0	49.6	1.6	0	49.0	2.2	0	48.5	2.7	0	48.5	2.7	0	47.6	3.6	0	47.4	3.8	0
R-10.54	EW 10.1*	NB 10.1	Heritage	Residential	5	49.4	49.7	55.8	6.1	6.4	B(67)	--	53.8	2.0	0	52.9	2.9	0	52.1	3.7	0	51.5	4.3	0	50.6	5.2	5	50.0	5.8	5	50.0	5.8	5	48.8	7.0	5	48.5	7.3	5
R-10.55	EW 10.1*	NB 10.1	Heritage	Residential	2	61.3	61.5	**75.2**	13.7	13.9	B(67)	A/E	**68.5**	6.7	2	**67.1**	8.1	2	65.3	9.9	2	63.7	11.5	2	62.7	12.5	2	61.8	13.4	2	61.8	13.4	2	60.4	14.8	2	59.8	15.4	2
R-10.56	EW 10.1*	NB 10.1	Heritage	Residential	4	60.0	60.2	**73.3**	13.1	13.3	B(67)	A/E	**67.1**	6.2	4	**66.0**	7.3	4	64.2	9.1	4	62.5	10.8	4	61.5	11.8	4	60.7	12.6	4	60.7	12.6	4	59.3	14.0	4	58.9	14.4	4
R-10.57	EW 10.1*	NB 10.1	Raleigh	Residential	3	60.6	60.8	**75.0**	14.2	14.4	B(67)	A/E	**68.0**	7.0	3	**66.6**	8.4	3	64.8	10.2	3	63.2	11.8	3	62.1	12.9	3	61.2	13.8	3	61.2	13.8	3	59.8	15.2	3	59.2	15.8	3
R-10.58	EW 10.1*	NB 10.1	Raleigh	Residential	2	62.3	62.4	**79.0**	16.6	16.7	B(67)	A/E	**70.0**	9.0	2	**68.0**	11.0	2	65.9	13.1	2	64.8	14.2	2	63.7	15.3	2	62.8	16.2	2	62.8	16.2	2	61.2	17.8	2	60.6	18.4	2
R-10.59	EW 10.1*	NB 10.1	Montgomery	Residential	3	61.0	61.2	**77.3**	16.1	16.3	B(67)	A/E	**69.6**	7.7	3	**68.0**	9.3	3	65.7	11.6	3	64.2	13.1	3	63.0	14.3	3	61.9	15.4	3	61.9	15.4	3	60.3	17.0	3	59.6	17.7	3
R-10.60	EW 10.1*	NB 10.1	Montgomery	Residential	3	57.0	57.2	**70.7**	13.5	13.7	B(67)	A/E	64.7	6.0	3	63.5	7.2	3	62.2	8.5	3	60.2	10.5	3	59.0	11.7	3	58.0	12.7	3	58.0	12.7	3	56.2	14.5	3	55.6	15.1	3
R-10.61	EW 10.1*	NB 10.1	Heritage	Residential	5	57.5	57.7	**69.2**	11.5	11.7	B(67)	A/E	63.9	5.3	5	63.0	6.2	5	62.0	7.2	5	60.2	9.0	5	59.2	10.0	5	58.3	10.9	5	58.3	10.9	5	56.9	12.3	5	56.5	12.7	5
R-10.62	EW 10.1*	NB 10.1	Montgomery	Residential	3	58.0	58.1	**74.4**	16.3	16.4	B(67)	A/E	**66.8**	7.6	3	64.8	9.6	3	62.4	12.0	3	60.9	13.5	3	59.8	14.6	3	59.3	15.1	3	59.3	15.1	3	58.1	16.3	3	57.7	16.7	3
R-10.63	EW 10.1*	NB 10.1	Montgomery	Residential	5	52.1	52.3	65.5	13.2	13.4	B(67)	Sub	65.5	0.0	0	64.9	0.6	0	63.7	1.8	0	61.4	4.1	0	60.0	5.5	5	58.6	6.9	5	58.6	6.9	5	57.0	8.5	5	56.3	9.2	5
R-10.64	EW 10.1*	NB 10.1	Lincoln	Residential	5	61.1	61.3	**75.7**	14.4	14.6	B(67)	A/E	**69.2**	6.5	5	**67.6**	8.1	5	65.9	9.8	5	64.3	11.4	5	63.1	12.6	5	62.0	13.7	5	62.0	13.7	5	60.8	14.9	5	60.2	15.5	5
R-10.65	EW 10.1*	NB 10.1	Lincoln	Residential	5	57.2	57.5	**68.8**	11.3	11.6	B(67)	A/E	64.1	4.7	0	63.1	5.7	5	62.1	6.7	5	60.2	8.6	5	59.1	9.7	5	58.1	10.7	5	58.1	10.7	5	56.8	12.0	5	56.2	12.6	5
R-10.66	EW 10.1*	NB 10.1	Lincoln	Residential	5	62.1	62.3	**71.3**	9.0	9.2	B(67)	A/E	**67.9**	3.4	0	**66.7**	4.6	0	65.6	5.7	5	64.3	7.0	5	63.5	7.8	5	62.7	8.6	5	62.7	8.6	5	61.8	9.5	5	62.1	9.2	5
R-10.67	EW 10.1*	NB 10.1	Lincoln	Residential	5	59.6	59.9	**69.2**	9.3	9.6	B(67)	A/E	65.8	3.4	0	65.4	3.8	0	65.0	4.2	0	62.8	6.4	5	61.5	7.7	5	60.5	8.7	5	60.5	8.7	5	59.0	10.2	5	58.4	10.8	5
R-10.68	EW 10.1*	NB 10.1	Helena	Residential	5	62.3	62.5	**72.9**	10.4	10.6	B(67)	A/E	**68.8**	4.1	0	**67.5**	5.4	5	**66.1**	6.8	5	64.8	8.1	5	63.9	9.0	5	63.1	9.8	5	62.5	10.4	5	61.9	11.0	5	61.4	11.5	5
R-10.69	EW 10.1*	NB 10.1	Helena	Residential	5	59.3	59.5	**67.9**	8.4	8.6	B(67)	A/E	**66.5**	1.4	0	64.7	3.2	0	63.4	4.5	0	61.8	6.1	5	61.1	6.8	5	60.3	7.6	5	60.3	7.6	5	59.1	8.8	5	58.7	9.2	5
R-10.70	EW 10.1*	NB 10.1	Helena	Residential	5	61.7	61.9	**72.4**	10.5	10.7	B(67)	A/E	**69.1**	3.3	0	**67.4**	5.0	5	65.5	6.9	5	64.2	8.2	5	63.5	8.9	5	62.4	10.0	5	62.4	10.0	5	61.3	11.1	5	60.5	11.9	5
R-10.71	EW 10.1*	NB 10.1	Baton Rouge	Residential	5	51.9	52.1	57.4	5.3	5.5	B(67)	--	56.2	1.2	0	55.5	1.9	0	55.1	2.3	0	54.5	2.9	0	53.5	3.9	0	52.8	4.6	0	52.8	4.6	0	51.7	5.7	5	51.2	6.2	5
R-10.72	EW 10.1*	NB 10.1	Baton Rouge	Residential	5	51.4	51.6	56.8	5.2	5.4	B(67)	--	55.5	1.3	0	54.9	1.9	0	54.5	2.3	0	54.0	2.8	0	53.1	3.7	0	52.4	4.4	0	52.4	4.4	0	51.4	5.4	5	50.9	5.9	5
R-10.73	EW 10.1*	NB 10.1	Helena	Residential	5	62.0	62.2	**74.1**	11.9	12.1	B(67)	A/E	**69.4**	4.7	0	**67.7**	6.4	5	65.7	8.4	5	64.8	9.3	5	63.7	10.4	5	63.0	11.1	5	63.0	11.1	5	62.0	12.1	5	61.5	12.6	5
R-10.74	EW 10.1*	NB 10.1	Cheyenne	Residential	5	60.6	60.8	**73.0**	12.2	12.4	B(67)	A/E	**68.5**	4.5	0	**66.4**	6.6	5	64.4	8.6	5	63.3	9.7	5	62.2	10.8	5	61.3	11.7	5	61.3	11.7	5	59.7	13.3	5	59.2	13.8	5
R-10.75	EW 10.1*	NB 10.1	Bismark	Residential	5	47.9	48.2	52.6	4.4	4.7	B(67)	--	51.5	1.1	0	51.1	1.5	0	50.9	1.7	0	50.4	2.2	0	49.7	2.9	0	49.1	3.5	0	49.1	3.5	0	48.1	4.5	0	47.8	4.8	0
R-10.76	EW 10.1*	NB 10.1	Heritage	Residential	5	47.9	48.2	52.2	4.0	4.3	B(67)	--	51.3	0.9	0	51.0	1.2	0	50.8	1.4	0	50.6	1.6	0	49.9	2.3	0	49.4	2.8	0	49.4	2.8	0	48.5	3.7	0	48.2	4.0	0
R-10.77	EW 10.1*	NB 10.1	Cheyenne	Residential	5	59.4	59.6	**71.6**	12.0	12.2	B(67)	A/E	**67.4**	4.2	0	65.5	6.1	5	63.4	8.2	5	62.2	9.4	5	61.1	10.5	5	60.5	11.1	5	60.5	11.1	5	59.2	12.4	5	58.7	12.9	5
R-10.78	EW 10.1*	NB 10.1	Cheyenne	Residential	5	58.8	59.0	**68.3**	9.3	9.5	B(67)	A/E	64.2	4.1	0	63.0	5.3	5	61.9	6.4	5	60.9	7.4	5	60.3	8.0	5	59.8	8.5	5	59.8	8.5	5	59.1	9.2	5	58.8	9.5	5
R-10.79	EW 10.1*	NB 10.1	Cheyenne	Residential	5	61.7	61.9	**69.2**	7.3	7.5	B(67)	A/E	**66.2**	3.0	0	65.2	4.0	0	64.4	4.8	0	63.6	5.6	5	63.1	6.1	5	62.8	6.4	5	62.8	6.4	5	62.3	6.9	5	62.2	7.0	5
R-10.80	EW 10.1*	NB 10.1	Denver	Residential	4	53.8	54.1	57.8	3.7	4.0	B(67)	--	57.4	0.4	0	57.1	0.7	0	56.8	1.0	0	56.2	1.6	0	55.7	2.1	0	55.4	2.4	0	55.4	2.4	0	55.0	2.8	0	54.9	2.9	0
R-10.81	EW 10.1*	NB 10.1	Denver	Residential	5	52.6	52.8	55.2	2.4	2.6	B(67)	--	55.2	0.0	0	55.2	0.0	0	55.2	0.0	0	55.2	0.0	0	55.2	0.0	0	55.2	0.0	0	55.2	0.0	0	54.9	0.3	0	54.7	0.5	0

Source: LSA Associates, Inc. (June 2017).

[1] An * represents an existing wall that would be demolished as part of the project. The existing wall would be reconstructed to match the existing height at a minimum.

[2] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[3] 2050 with project traffic noise levels assumes zero feet for existing wall heights that would be demolished as part of the project.

[4] Activity Categories without outdoor frequent human use areas were not evaluated against the Noise Abatment Criteria (NAC).

[5] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[6] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

[7] Shaded cells indicate the approximate existing wall heights.

A/E = Approach or Exceed

dBA = A-weighted decibels

dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels

IL = Insertion Loss

NAC = Noise Abatement Criteria

Table J-3: Predicted Future Noise Level and Noise Barrier for Alternative 2A with Design Options

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																					
							2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																																			
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet					
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR			

NBR = Number of Benefitted Receptors
Sub = Substantial noise increase

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No. [1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$ [2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																					
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR) [6,7]																																	
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet					
							Without Project, dBA Leq [2]	With Project, dBA Leq [2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC) [4]	Impact Type [5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-1.01			Technology Road	Office	1	59.9	59.7	59.9	0.2	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.02			Technology Drive	Office	1	58.6	58.6	58.4	-0.2	-0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.03			Technology Drive	Office	1	59.4	59.1	59.0	-0.1	-0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.04			Technology Drive	Office	1	60.3	60.1	60.7	0.6	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.05			Technology Drive	School	1	60.7 / 35.7	60.3 / 35.3	60.9 / 35.9	0.6	0.2	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.06			Technology Drive	School	1	62.3 / 37.3	61.9 / 36.9	62.4 / 37.4	0.5	0.1	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.07			Technology Drive	Office	1	67.4	67.3	67.6	0.3	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.08			Technology Drive	Office	1	67.9	67.8	68.2	0.4	0.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.09			Technology Drive	Office	1	61.3	61.2	62.3	1.1	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.10			Technology Drive	Office	1	69.0	69.0	70.1	1.1	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.11			Technology Drive	Office	1	55.8	56.1	56.8	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.12			Technology Drive	Office	1	63.4	63.8	63.9	0.1	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.13			Technology Drive	Restaurant	1	58.1	58.5	59.1	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.14			Technology Drive	Retail	1	50.8	51.2	51.4	0.2	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.15			Technology Drive	Retail	1	53.5	53.9	54.3	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.16			Technology Drive	Retail	1	61.8	62.3	62.0	-0.3	0.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.17			Technology Drive	Retail	1	55.7	55.9	56.4	0.5	0.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.18			Technology Drive	Retail	1	66.7	67.1	67.0	-0.1	0.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.19			Technology Drive	Office	1	64.6	64.9	65.7	0.8	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.20			Technology Drive	Office	1	59.1	59.4	60.0	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.21			Technology Drive	Office	1	58.5	58.9	59.5	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.22		NB 1.1	Technology Drive	Office	1	69.6	69.8	70.5	0.7	0.9	E(72)	--	69.0	1.5	0	68.5	2.0	0	68.3	2.2	0	68.0	2.5	0	67.8	2.7	0	67.7	2.8	0	67.6	2.9	0	67.6	2.9	0	67.5	3.0	0
R-1.23		NB 1.1	Technology Drive	Office	1	68.3	68.6	69.2	0.6	0.9	E(72)	--	66.4	2.8	0	65.6	3.6	0	65.1	4.1	0	64.4	4.8	0	63.8	5.4	1	63.4	5.8	1	63.2	6.0	1	63.0	6.2	1	62.8	6.4	1
R-1.24		NB 1.1	Technology Drive	Office	1	70.9	**71.1**	**71.8**	0.7	0.9	E(72)	A/E	69.8	2.0	0	67.6	4.2	0	66.4	5.4	1	65.1	6.7	1	64.2	7.6	1	63.6	8.2	1	63.1	8.7	1	62.8	9.0	1	62.5	9.3	1
R-1.25			Technology Drive	Office	1	69.9	70.2	70.8	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.26			Technology Drive	Office	1	66.3	66.5	67.5	1.0	1.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-1.27			Technology Drive	Vacant Land	1	60.0	59.4	59.4	0.0	-0.6	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.01			Marine Way	Vacant Land	1	**70.8**	**71.1**	**71.4**	0.3	0.6	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.02		NB 2.1	Sand Canyon Avenue	Church	1	**70.6** / 45.6	**71.1** / 46.1	**71.6** / 46.6	0.5	1.0	C(67)/D(52)	A/E	**70.5**	1.1	0	**70.0**	1.6	0	**68.9**	2.7	0	**68.5**	3.1	0	**68.3**	3.3	0	**68.2**	3.4	0	**68.2**	3.4	0	**68.1**	3.5	0	**68.1**	3.5	0
R-2.03	EW 2.1		Jade Flower	Residential	2	63.8	64.2	64.6	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.04	EW 2.1		Jade Flower	Residential	2	63.2	63.6	64.0	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.05	EW 2.1		Jade Flower	Residential	2	62.7	63.2	63.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.06	EW 2.1		Rose Arch	Residential	1	62.8	63.2	63.6	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.07	EW 2.1		Rose Arch	Residential	1	62.8	63.2	63.5	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.08	EW 2.1		Twin Flower	Residential	3	59.1	59.6	60.1	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.09	EW 2.1		Twin Flower	Residential	2	58.7	59.1	59.6	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.10	EW 2.1		Twin Flower	Residential	4	58.3	58.8	59.3	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.11	EW 2.1		Twin Flower	Residential	2	58.6	59.0	59.5	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.12	EW 2.1		Twin Flower	Residential	4	58.2	58.6	59.2	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.13	EW 2.1		Twin Flower	Residential	3	58.4	58.9	59.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.14	EW 2.1		Rose Arch	Residential	2	62.5	63.0	63.3	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.15	EW 2.1		Rose Arch	Residential	2	62.3	62.8	63.3	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.16	EW 2.1		Rose Arch	Residential	2	61.8	62.3	62.7	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.17	EW 2.1		Rose Arch	Residential	2	61.4	61.9	62.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.18	EW 2.1		Rose Arch	Residential	2	61.1	61.6	62.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.19	EW 2.1		Rose Arch	Residential	1	60.9	61.4	61.9	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.20	EW 2.1		Rose Arch	Residential	1	61.1	61.6	62.1	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.21	EW 2.1		Rose Arch	Residential	1	60.6	61.1	61.6	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.22	EW 2.1		Rose Arch	Residential	1	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.23	EW 2.1		Rose Arch	Residential	1	61.8	62.3	62.8	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.24	EW 2.1		Rose Arch	Residential	1	62.3	62.8	63.4	0.6	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.25	EW 2.1		Rose Arch	Residential	1	61.8	62.3	62.7	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.26	EW 2.1		Rose Arch	Residential	1	62.2	62.7	63.2	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.27	EW 2.1		Rose Arch	Residential	1	62.2	62.7	63.1	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.28	EW 2.1		Rose Arch	Residential	1	61.7	62.2	62.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.29	EW 2.1		Rose Arch	Residential	2	59.3	59.8	60.3	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.30	EW 2.1		Rose Arch	Residential	2	62.1	62.6	63.2	0.6	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.31	EW 2.1		Rose Arch	Residential	2	61.5	62.0	62.5	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.32	EW 2.1		Rose Arch	Residential	2	61.1	61.6	62.1	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.33	EW 2.1		Rose Arch	Residential	2	60.4	60.9	61.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.34	EW 2.1		Rose Arch	Residential	2	58.2	58.7	59.2	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.35	EW 2.1		Rose Arch	Residential	2	61.0	61.6	62.0	0.4	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.36	EW 2.1		Rose Arch	Residential	2	60.4	60.9	61.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.37	EW 2.1		Rose Arch	Residential	2	58.2	58.8	59.3	0.5	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.38	EW 2.1		Rose Arch	Residential	2	61.0	61.5	61.9	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-2.39	EW 2.1		Rose Arch	Residential	2	60.4	60.9	61.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.40	EW 2.1		Rose Arch	Residential	2	58.4	58.9	59.4	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.41	EW 2.1		Rose Arch	Residential	2	61.9	62.4	62.9	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.42	EW 2.1		Rose Arch	Residential	2	61.1	61.6	62.1	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.43	EW 2.1		Rose Arch	Residential	2	61.0	61.5	62.0	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.44	EW 2.1		Rose Arch	Residential	2	61.3	61.8	62.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.45	EW 2.1		Pendio	Residential	2	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.46	EW 2.1		Pendio	Residential	4	62.3	62.8	63.4	0.6	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.47	EW 2.1		Pendio	Residential	4	61.7	62.2	62.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.48	EW 2.1		Pendio	Residential	2	61.9	62.4	62.9	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.49	EW 2.1		Pendio	Residential	4	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.50	EW 2.1		Pendio	Residential	4	62.4	62.9	63.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.51	EW 2.1		Pendio	Residential	2	62.4	62.9	63.2	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.52	EW 2.1		Pendio	Residential	2	61.0	61.5	62.0	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.53	EW 2.1		Pendio	Residential	2	61.5	62.0	62.4	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.54	EW 2.1		Pendio	Residential	2	62.3	62.8	63.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.55	EW 2.1		Pendio	Residential	4	62.8	63.3	63.7	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.56	EW 2.1		Pendio	Residential	4	62.8	63.3	63.7	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.57	EW 2.1		Pendio	Residential	2	62.6	63.1	63.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.58	EW 2.1		Pendio	Residential	2	61.9	62.4	62.7	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.59	EW 2.1		Pendio	Residential	4	61.5	62.0	62.3	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.60	EW 2.1		Pendio	Residential	4	61.1	61.6	62.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.61	EW 2.1		Pendio	Residential	2	62.6	63.1	63.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.62	EW 2.1		Pendio	Residential	4	63.0	63.5	63.9	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.63	EW 2.1		Pendio	Residential	4	63.1	63.6	64.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.64	EW 2.1		Pendio	Residential	2	62.7	63.2	63.6	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.65	EW 2.1		Pendio	Residential	4	63.4	63.9	64.3	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.66	EW 2.1		Pendio	Residential	4	63.6	64.1	64.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.67	EW 2.1		Pendio	Residential	2	63.1	63.6	64.0	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.68	EW 2.1		Pendio	Residential	2	63.2	63.7	64.1	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.69	EW 2.1		Pendio	Residential	4	63.2	63.7	63.9	0.2	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.70	EW 2.1		Pendio	Residential	4	62.8	63.3	63.6	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.71	EW 2.1		Pendio	Residential	2	62.1	62.5	63.0	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.72	EW 2.1		Pendio	Residential	2	61.4	61.8	62.3	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.73	EW 2.1		Pendio	Residential	4	61.9	62.3	62.8	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.74	EW 2.1		Pendio	Residential	4	62.3	62.7	63.3	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.75	EW 2.1		Pendio	Residential	2	62.5	62.9	63.4	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.76	EW 2.1		Pendio	Residential	2	61.7	62.1	62.6	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.77	EW 2.1		Pendio	Residential	4	61.2	61.6	62.1	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.78	EW 2.1		Pendio	Residential	4	61.0	61.4	61.9	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.79	EW 2.1		Pendio	Residential	2	61.0	61.4	61.9	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.80	EW 2.1		Pendio	Residential	2	61.6	62.1	62.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.81	EW 2.1		Pendio	Residential	2	61.3	61.8	62.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.82	EW 2.1		Pendio	Residential	2	61.3	61.7	62.1	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.83	EW 2.1		Pendio	Residential	2	61.0	61.5	61.8	0.3	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.84	EW 2.1		Pendio	Residential	1	59.6	60.1	60.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.85	EW 2.1		Pendio	Residential	1	59.6	60.1	60.5	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-2.86	EW 2.1		Vissions	Park - Sports Area	1	63.1	63.7	64.4	0.7	1.3	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.01			Roosevelt	Office	1	56.8	57.1	57.8	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.02			Roosevelt	Office	1	57.4	57.7	58.7	1.0	1.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.03		NB 3.1	Roosevelt	Office	1	70.8	**71.1**	**71.1**	0.0	0.3	E(72)	A/E	67.3	3.8	0	65.9	5.2	1	64.9	6.2	1	64.2	6.9	1	63.5	7.6	1	62.7	8.4	1	62.3	8.8	1	61.9	9.2	1	61.6	9.5	1
R-3.04			Roosevelt	Office	1	54.9	55.4	55.9	0.5	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.05			Roosevelt	Office	1	69.3	69.5	70.1	0.6	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.06			Roosevelt	Office	1	62.0	62.4	62.5	0.1	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.07			Roosevelt	Office	1	63.7	64.0	64.6	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.08			Roosevelt	Office	1	58.3	58.6	58.4	-0.2	0.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.09			Roosevelt	Office	1	58.3	58.7	59.7	1.0	1.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-3.10	EW 3.1	NB 3.3	Hayes Street	Residential	1	57.4	57.7	58.3	0.6	0.9	B(67)	--	--	--	--	58.3	0.0	0	58.3	0.0	0	58.3	0.0	0	58.2	0.1	0	58.2	0.1	0	58.2	0.1	0	58.1	0.2	0	58.1	0.2	0
R-3.11	EW 3.1	NB 3.3	Hayes Street	Residential	1	**68.3**	**68.5**	**69.0**	0.5	0.7	B(67)	A/E	--	--	--	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**69.0**	0.0	0	**68.8**	0.2	0	**68.8**	0.2	0	**68.8**	0.2	0	**68.7**	0.3	0
R-3.12	EW 3.1	NB 3.3	Hayes Street	Residential	1	60.7	61.0	61.5	0.5	0.8	B(67)	--	--	--	--	61.5	0.0	0	61.2	0.3	0	60.9	0.6	0	60.2	1.3	0	59.8	1.7	0	59.6	1.9	0	59.5	2.0	0	59.4	2.1	0
R-3.13	EW 3.1	NB 3.3	Hayes Street	Residential	1	65.3	65.6	**66.1**	0.5	0.8	B(67)	A/E	--	--	--	65.8	0.3	0	65.5	0.6	0	65.2	0.9	0	64.9	1.2	0	64.6	1.5	0	65.1	1.0	0	65.4	0.7	0	65.5	0.6	0
R-3.14	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.8**	**69.0**	**69.5**	0.5	0.7	B(67)	A/E	--	--	--	**68.9**	0.6	0	**68.3**	1.2	0	**67.7**	1.8	0	**67.3**	2.2	0	**67.1**	2.4	0	**66.9**	2.6	0	**66.7**	2.8	0	**66.6**	2.9	0
R-3.15	EW 3.1	NB 3.3	Hayes Street	Residential	2	**73.5**	**73.7**	**73.9**	0.2	0.4	B(67)	A/E	--	--	--	**72.6**	1.3	0	**70.2**	3.7	0	**68.2**	5.7	2	**66.9**	7.0	2	**66.1**	7.8	2	**66.8**	7.1	2	**66.2**	7.7	2	65.8	8.1	2
R-3.16	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.5	64.8	65.4	0.6	0.9	B(67)	--	--	--	--	65.1	0.3	0	64.4	1.0	0	62.9	2.5	0	61.0	4.4	0	60.2	5.2	3	59.8	5.6	3	59.5	5.9	3	59.4	6.0	3
R-3.17	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.1**	**69.4**	**69.9**	0.5	0.8	B(67)	A/E	--	--	--	**69.5**	0.4	0	**68.7**	1.2	0	**67.1**	2.8	0	65.1	4.8	0	64.4	5.5	3	65.8	4.1	0	**66.4**	3.5	0	**66.0**	3.9	0

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																										
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.18	EW 3.1	NB 3.3	Hayes Street	Residential	1	64.5	64.8	65.3	0.5	0.8	B(67)	--	--	--	--	65.1	0.2	0	64.6	0.7	0	63.6	1.7	0	62.2	3.1	0	61.7	3.6	0	61.6	3.7	0	61.5	3.8	0	61.5	3.8	0
R-3.19	EW 3.1	NB 3.3	Hayes Street	Residential	1	**67.8**	**68.0**	**68.5**	0.5	0.7	B(67)	A/E	--	--	--	**68.4**	0.1	0	**67.8**	0.7	0	**66.4**	2.1	0	64.4	4.1	0	63.9	4.6	0	65.8	2.7	0	65.8	2.7	0	65.2	3.3	0
R-3.20	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.3	64.5	65.0	0.5	0.7	B(67)	--	--	--	--	64.7	0.3	0	63.9	1.1	0	62.2	2.8	0	59.9	5.1	2	59.0	6.0	2	58.4	6.6	2	58.1	6.9	2	57.9	7.1	2
R-3.21	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.2**	**68.4**	**69.0**	0.6	0.8	B(67)	A/E	--	--	--	**68.3**	0.7	0	**67.4**	1.6	0	65.6	3.4	0	63.4	5.6	2	62.9	6.1	2	65.3	3.7	0	64.7	4.3	0	64.1	4.9	0
R-3.22	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.7	**66.0**	**66.6**	0.6	0.9	B(67)	A/E	--	--	--	**66.1**	0.5	0	65.2	1.4	0	63.7	2.9	0	62.1	4.5	0	61.4	5.2	3	60.8	5.8	3	60.4	6.2	3	60.1	6.5	3
R-3.23	EW 3.1	NB 3.3	Hayes Street	Residential	3	**71.3**	**71.5**	**72.0**	0.5	0.7	B(67)	A/E	--	--	--	**70.7**	1.3	0	**69.3**	2.7	0	**67.4**	4.6	0	65.5	6.5	3	64.7	7.3	3	65.1	6.9	3	**66.4**	5.6	3	65.8	6.2	3
R-3.24	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.4	64.1	0.7	0.9	B(67)	--	--	--	--	63.7	0.4	0	63.0	1.1	0	61.4	2.7	0	59.4	4.7	0	58.6	5.5	2	58.2	5.9	2	58.1	6.0	2	58.1	6.0	2
R-3.25	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**67.1**	0.3	0	**66.5**	0.9	0	65.1	2.3	0	63.2	4.2	0	62.5	4.9	0	65.0	2.4	0	64.1	3.3	0	63.6	3.8	0
R-3.26	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.5	64.0	0.5	0.8	B(67)	--	--	--	--	63.1	0.9	0	61.9	2.1	0	60.4	3.6	0	59.1	4.9	0	58.3	5.7	2	57.8	6.2	2	57.4	6.6	2	59.2	4.8	0
R-3.27	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.6**	**68.7**	**69.3**	0.6	0.7	B(67)	A/E	--	--	--	**67.4**	1.9	0	**66.0**	3.3	0	64.4	4.9	0	63.3	6.0	2	62.6	6.7	2	62.6	6.7	2	62.6	6.7	2	62.0	7.3	2
R-3.28	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.5	64.7	65.3	0.6	0.8	B(67)	--	--	--	--	64.5	0.8	0	63.4	1.9	0	61.8	3.5	0	60.0	5.3	2	59.1	6.2	2	58.5	6.8	2	58.0	7.3	2	57.7	7.6	2
R-3.29	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.9**	**71.1**	**71.5**	0.4	0.6	B(67)	A/E	--	--	--	**69.5**	2.0	0	**67.7**	3.8	0	65.6	5.9	2	63.6	7.9	2	62.9	8.6	2	64.6	6.9	2	63.6	7.9	2	63.1	8.4	2
R-3.30	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.2	65.4	65.9	0.5	0.7	B(67)	--	--	--	--	65.0	0.9	0	63.8	2.1	0	62.3	3.6	0	61.4	4.5	0	60.7	5.2	2	60.2	5.7	2	59.8	6.1	2	59.5	6.4	2
R-3.31	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.2**	0.5	0.7	B(67)	A/E	--	--	--	**68.7**	1.5	0	**66.7**	3.5	0	64.8	5.4	2	63.8	6.4	2	64.9	5.3	2	64.2	6.0	2	63.1	7.1	2	62.4	7.8	2
R-3.32	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**66.5**	0.9	0	65.4	2.0	0	64.0	3.4	0	63.1	4.3	0	62.4	5.0	2	61.9	5.5	2	61.5	5.9	2	61.0	6.4	2
R-3.33	EW 3.1	NB 3.3	Hayes Street	Residential	2	**72.5**	**72.7**	**73.1**	0.4	0.6	B(67)	A/E	--	--	--	**70.9**	2.2	0	**68.9**	4.2	0	**66.9**	6.2	2	65.8	7.3	2	**66.6**	6.5	2	65.8	7.3	2	65.2	7.9	2	64.3	8.8	2
R-3.34	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.8	**66.0**	**66.5**	0.5	0.7	B(67)	A/E	--	--	--	65.7	0.8	0	64.6	1.9	0	63.2	3.3	0	62.2	4.3	0	61.6	4.9	0	61.0	5.5	3	60.6	5.9	3	60.2	6.3	3
R-3.35	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.2**	**72.5**	**73.0**	0.5	0.8	B(67)	A/E	--	--	--	**71.3**	1.7	0	**69.3**	3.7	0	**67.1**	5.9	3	65.8	7.2	3	65.1	7.9	3	**66.8**	6.2	3	**66.1**	6.9	3	65.4	7.6	3
R-3.36	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.9	**66.1**	**66.6**	0.5	0.7	B(67)	A/E	--	--	--	65.9	0.7	0	64.8	1.8	0	63.3	3.3	0	62.3	4.3	0	61.7	4.9	0	61.2	5.4	2	60.9	5.7	2	61.2	5.4	2
R-3.37	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.1**	**68.4**	**69.0**	0.6	0.9	B(67)	A/E	--	--	--	**68.0**	1.0	0	**66.3**	2.7	0	64.1	4.9	0	63.2	5.8	2	65.7	3.3	0	64.7	4.3	0	63.7	5.3	2	63.1	5.9	2
R-3.38	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.6	64.9	65.2	0.3	0.6	B(67)	--	--	--	--	64.6	0.6	0	63.4	1.8	0	61.5	3.7	0	60.4	4.8	0	59.8	5.4	4	59.4	5.8	4	59.2	6.0	4	60.1	5.1	4
R-3.39	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.2	64.4	64.9	0.5	0.7	B(67)	--	--	--	--	63.8	1.1	0	62.5	2.4	0	60.9	4.0	0	59.9	5.0	4	59.3	5.6	4	58.7	6.2	4	58.5	6.4	4	60.0	4.9	0
R-3.40	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.6**	**66.9**	**67.4**	0.5	0.8	B(67)	A/E	--	--	--	**66.6**	0.8	0	65.5	1.9	0	63.9	3.5	0	63.0	4.4	0	62.3	5.1	3	61.8	5.6	3	61.4	6.0	3	61.0	6.4	3
R-3.41	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.5**	**72.8**	**73.3**	0.5	0.8	B(67)	A/E	--	--	--	**71.2**	2.1	0	**69.4**	3.9	0	**67.2**	6.1	3	65.9	7.4	3	65.3	8.0	3	**66.6**	6.7	3	65.9	7.4	3	65.4	7.9	3
R-3.42	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.0	65.3	65.8	0.5	0.8	B(67)	--	--	--	--	64.8	1.0	0	63.6	2.2	0	62.1	3.7	0	61.2	4.6	0	60.6	5.2	2	60.1	5.7	2	59.6	6.2	2	60.8	5.0	2
R-3.43	EW 3.1	NB 3.3	Hayes Street	Residential	2	**71.7**	**71.9**	**72.3**	0.4	0.6	B(67)	A/E	--	--	--	**70.2**	2.1	0	**68.1**	4.2	0	**66.2**	6.1	2	64.9	7.4	2	65.4	6.9	2	64.9	7.4	2	64.2	8.1	2	63.6	8.7	2
R-3.44	EW 3.1	NB 3.3	Hayes Street	Residential	2	60.7	60.9	61.4	0.5	0.7	B(67)	--	--	--	--	60.7	0.7	0	59.9	1.5	0	58.7	2.7	0	57.1	4.3	0	56.0	5.4	2	55.3	6.1	2	54.8	6.6	2	54.4	7.0	2
R-3.45	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.4	65.6	**66.2**	0.6	0.8	B(67)	A/E	--	--	--	64.8	1.4	0	63.2	3.0	0	61.7	4.5	0	59.6	6.6	2	58.5	7.7	2	57.8	8.4	2	59.4	6.8	2	59.4	6.8	2
R-3.46	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.5	59.7	60.4	0.7	0.9	B(67)	--	--	--	--	60.0	0.4	0	59.3	1.1	0	58.1	2.3	0	56.1	4.3	0	55.0	5.4	2	54.4	6.0	2	54.1	6.3	2	53.8	6.6	2
R-3.47	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.1	62.3	62.9	0.6	0.8	B(67)	--	--	--	--	62.3	0.6	0	61.7	1.2	0	60.5	2.4	0	58.2	4.7	0	57.2	5.7	2	57.1	5.8	2	59.8	3.1	0	59.0	3.9	0
R-3.48	EW 3.1	NB 3.3	Hayes Street	Residential	4	61.9	62.1	62.6	0.5	0.7	B(67)	--	--	--	--	62.2	0.4	0	61.5	1.1	0	60.5	2.1	0	58.8	3.8	0	57.7	4.9	0	57.0	5.6	4	56.6	6.0	4	56.2	6.4	4
R-3.49	EW 3.1	NB 3.3	Hayes Street	Residential	4	60.7	61.0	61.5	0.5	0.8	B(67)	--	--	--	--	60.9	0.6	0	60.2	1.3	0	59.1	2.4	0	56.8	4.7	0	55.6	5.9	4	55.0	6.5	4	54.6	6.9	4	54.2	7.3	4
R-3.50	EW 3.1	NB 3.3	Hayes Street	Residential	3	61.6	61.9	62.4	0.5	0.8	B(67)	--	--	--	--	62.0	0.4	0	61.3	1.1	0	60.1	2.3	0	58.4	4.0	0	57.4	5.0	3	56.8	5.6	3	56.3	6.1	3	55.9	6.5	3
R-3.51	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.8**	**67.1**	**67.5**	0.4	0.7	B(67)	A/E	--	--	--	**66.2**	1.3	0	65.1	2.4	0	63.5	4.0	0	61.4	6.1	3	60.2	7.3	3	59.7	7.8	3	59.6	7.9	3	60.7	6.8	3
R-3.52	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.5	62.8	63.3	0.5	0.8	B(67)	--	--	--	--	62.7	0.6	0	61.9	1.4	0	61.0	2.3	0	59.3	4.0	0	58.3	5.0	3	57.6	5.7	3	57.1	6.2	3	56.7	6.6	3
R-3.53	EW 3.1	NB 3.3	Hayes Street	Residential	3	**67.7**	**67.9**	**68.6**	0.7	0.9	B(67)	A/E	--	--	--	**67.0**	1.6	0	65.7	2.9	0	64.2	4.4	0	62.0	6.6	3	60.7	7.9	3	60.0	8.6	3	59.8	8.8	3	60.6	8.0	3
R-3.54	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.3	62.6	62.9	0.3	0.6	B(67)	--	--	--	--	61.7	1.2	0	60.6	2.3	0	59.5	3.4	0	57.8	5.1	2	56.9	6.0	2	56.3	6.6	2	55.7	7.2	2	55.2	7.7	2
R-3.55	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.9**	**68.1**	**68.8**	0.7	0.9	B(67)	A/E	--	--	--	**66.4**	2.4	0	64.7	4.1	0	62.5	6.3	2	60.3	8.5	2	59.2	9.6	2	58.4	10.4	2	59.4	9.4	2	59.7	9.1	2
R-3.56	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.6	59.8	60.3	0.5	0.7	B(67)	--	--	--	--	59.6	0.7	0	58.3	2.0	0	56.4	3.9	0	54.7	5.6	2	53.7	6.6	2	53.2	7.1	2	53.0	7.3	2	55.4	4.9	0
R-3.57	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.9	63.1	63.8	0.7	0.9	B(67)	--	--	--	--	62.7	1.1	0	61.2	2.6	0	59.4	4.4	0	58.3	5.5	2	59.6	4.2	0	59.2	4.6	0	58.5	5.3	2	57.3	6.5	2
R-3.58	EW 3.1	NB 3.3	Hayes Street	Residential	4	62.8	63.0	63.5	0.5	0.7	B(67)	--	--	--	--	62.9	0.6	0	61.9	1.6	0	60.6	2.9	0	59.3	4.2	0	58.5	5.0	4	57.9	5.6	4	57.4	6.1	4	57.0	6.5	4
R-3.59	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.7	63.0	63.5	0.5	0.8	B(67)	--	--	--	--	62.8	0.7	0	61.8	1.7	0	60.4	3.1	0	59.1	4.4	0	58.3	5.2	3	57.7	5.8	3	57.3	6.2	3	56.8	6.7	3
R-3.60	EW 3.1	NB 3.3	Hayes Street	Residential	3	**68.4**	**68.6**	**69.3**	0.7	0.9	B(67)	A/E	--	--	--	**67.7**	1.6	0	**66.0**	3.3	0	64.0	5.3	3	62.5	6.8	3	61.5	7.8	3	62.4	6.9	3	62.1	7.2	3	62.1	7.2	3
R-3.61	EW 3.1	NB 3.3	Hayes Street	Residential	3	63.9	64.2	64.8	0.6	0.9	B(67)	--	--	--	--	63.9	0.9	0	62.8	2.0	0	61.4	3.4	0	60.0	4.8	0	59.0	5.8	3	58.3	6.5	3	57.8	7.0	3	57.3	7.5	3
R-3.62	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.2**	**69.5**	**70.2**	0.7	1.0	B(67)	A/E	--	--	--	**69.3**	0.9	0	**67.5**	2.7	0	65.3	4.9	0	63.2	7.0	3	62.0	8.2	3	62.3	7.9	3	62.5	7.7	3	62.4	7.8	3
R-3.63	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.0	63.3	63.8	0.5	0.8	B(67)	--	--	--	--	63.2	0.6	0	62.1	1.7	0	60.7	3.1	0	59.3	4.5	0	58.3	5.5	2	57.7	6.1	2	57.2	6.6	2	56.8	7.0	2
R-3.64	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.0**	**68.2**	**68.9**	0.7	0.9	B(67)	A/E	--	--	--	**67.7**	1.2	0	65.9	3.0	0	63.9	5.0	2	62.1	6.8	2	61.1	7.8	2	62.1	6.8	2	61.9	7.0	2	61.3	7.6	2
R-3.65	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.7	63.0	63.7	0.7	1.0	B(67)	--	--	--	--	62.5	1.2	0	60.8	2.9	0	59.3	4.4	0	57.5	6.2	2	56.3	7.4	2	55.5	8.2	2	55.0	8.7	2	54.6	9.1	2
R-3.66	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.6**	**67.9**	**68.6**	0.7	1.0	B(67)	A/E	--	--	--	**67.1**	1.5	0	65.0	3.6	0	63.3	5.3	2	60.7	7.9	2	59.3	9.3	2	59.4	9.2	2	58.9	9.7	2	57.6	11.0	2
R-3.67	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.9	65.2	65.8	0.6	0.9	B(67)	--	--	--	--	64.3	1.5	0	62.5	3.3	0	61.0	4.8	0	59.6	6.2	2	58.6	7.2	2	57.9	7.9	2	57.2	8.6	2	56.7	9.1	2
R-3.68	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.5**	**70.8**	**71.4**	0.6	0.9	B(67)	A/E	--	--	--	**70.2**	1.2	0	**67.6**	3.8	0	65.3	6.1	2	62.7	8.7	2	61.6	9.8	2	61.6	9.8	2	61.2	10.2	2	60.5	10.9	2
R-3.69	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.9	64.2	64.9	0.7	1.0	B(67)	--	--	--	--	63.4	1.5	0	62.3	2.6	0	61.2	3.7	0	59.5	5.4	2	58.4	6.5	2	57.7	7.2	2	57.2	7.7	2	56.7	8.2	2
R-3.70	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.8**	**70.0**	**70.8**	0.8	1.0	B(67)	A/E	--	--	--	**69.0**	1.8	0	**66.9**	3.9	0	65.1	5.7	2	62.8	8.0	2	61.2	9.6	2	60.5	10.3	2	61.4	9.4	2	61.0	9.8	2
R-3.71	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.8	65.1	65.7	0.6	0.9	B(67)	--	--	--	--	64.9	0.8	0	63.9	1.8	0	62.8	2.9	0	61.1	4.6	0	59.9	5.8	3	59.2	6.5	3	58.7	7.0	3	58.2	7.5	3
R-3.72	EW 3.1	NB 3.3	Hayes Street	Residential	3	**70.0**	**70.2**	**70.9**	0.7	0.9	B(67)	A/E	--	--	--	**70.1**	0.8	0	**68.9**	2.0	0	**67.0**	3.9	0	64.5	6.4	3	63.1	7.8	3	62.3	8.6	3	63.0	7.9	3	63.4	7.5	3
R-3.73	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.1	64.4	64.9	0.5	0.8	B(67)	--	--	--	--	64.2	0.7	0	63.5	1.4	0	62.5	2.4	0	60.9	4.0	0	59.7	5.2	3	59.1	5.8	3	58.5	6.4	3	58.1	6.8	3
R-3.74	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.8**	**70.0**	**70.8**	0.8	1.0	B(67)	A/E	--	--	--	**69.9**	0.9	0	**68.3**	2.5	0	**66.6**	4.2	0	64.5	6.3	3	63.0	7.8	3	62.3	8.5	3	63.4	7.4	3	63.5	7.3	3
R-3.75	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	64.3	0.8	0	63.5	1.6	0	62.5	2.6	0	60.9	4.2	0	59.7	5.4	4	59.0	6.1	4	58.5	6.6	4	58.1	7.0	4
R-3.76	EW 3.1	NB 3.3	Hayes Street	Residential	4	63.1	63.4	63.9	0.5	0.8	B(67)	--	--	--	--	62.5	1.4	0	61.7	2.2	0	60.5	3.4	0	58.9	5.0	4	57.6	6.3	4	56.9	7.0	4	56.3	7.6	4	55.9	8.0	4
R-3.77	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.5**	0.8	1.0	B(67)	A/E	--	--	--	**68.4**	2.1	0	**66.8**	3.7	0	64.8	5.7	2	62.6	7.9	2	61.2	9.3	2	60.2	10.3	2	61.6	8.9	2	61.1	9.4	2
R-3.78	EW 3.1	NB 3.3	Huntington	Residential	2	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	63.8	1.3	0	62.9	2.2	0	62.0	3.1	0	60.8	4.3	0	60.0	5.1	2	59.4	5.7	2	58.9	6.2	2	58.6	6.5	2
R-3.79	EW 3.1	NB 3.3	Huntington	Residential	2	**70.4**	**70.6**	**71.5**	0.9	1.1	B(67)	A/E	--	--	--	**69.0**	2.5	0	**67.4**	4.1	0	65.7	5.8	2	63.8	7.7	2	62.7	8.8	2	61.6	9.9	2	61.9	9.6	2	62.1	9.4	2
R-3.80	EW 3.1	NB 3.3	Huntington	Residential	3	64.1	64.4	65.0	0.6	0.9	B(67)	--	--	--	--	64.2	0.8	0	63.6	1.4	0	62.9	2.1	0	61.4	3.6	0	60.5	4.5	0	59.9	5.1	3	59.5	5.5	3	59.2	5.8	3
R-3.81	EW 3.1	NB 3.3	Huntington	Residential	3	**69.0**	**69.3**	**70.1**	0.8	1.1	B(67)	A/E	--	--	--	**69.3**	0.8	0	**67.8**	2.3	0	**66.5**	3.6	0	64.5	5.6	3	63.2	6.9	3	62.5	7.6	3	62.4	7.7	3	64.0	6.1	3
R-3.82	EW 3.1	NB 3.3	Huntington	Residential	3	64.4	64.7	65.1	0.4	0.7	B(67)	--	--	--	--	64.7	0.4	0	64.3	0.8	0	63.8	1.3	0	62.4	2.7	0	61.5	3.6	0	61.0	4.1	0	60.6	4.5	0	60.3	4.8	0

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																										
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.83	EW 3.1	NB 3.3	Huntington	Residential	3	**69.2**	**69.5**	**70.1**	0.6	0.9	B(67)	A/E	--	--	--	**69.7**	0.4	0	**68.9**	1.2	0	**68.1**	2.0	0	65.9	4.2	0	64.5	5.6	3	63.7	6.4	3	63.4	6.7	3	64.5	5.6	3
R-3.84	EW 3.1	NB 3.3	Huntington	Residential	4	55.3	55.6	56.2	0.6	0.9	B(67)	--	--	--	--	55.9	0.3	0	55.4	0.8	0	54.9	1.3	0	54.0	2.2	0	53.3	2.9	0	52.7	3.5	0	52.4	3.8	0	52.2	4.0	0
R-3.85	EW 3.1	NB 3.3	Huntington	Residential	2	59.3	59.5	60.2	0.7	0.9	B(67)	--	--	--	--	60.0	0.2	0	59.5	0.7	0	59.0	1.2	0	58.4	1.8	0	57.7	2.5	0	56.7	3.5	0	57.1	3.1	0	56.7	3.5	0
R-3.86	EW 3.1	NB 3.3	Huntington	Residential	2	61.1	61.4	61.9	0.5	0.8	B(67)	--	--	--	--	61.4	0.5	0	60.7	1.2	0	59.8	2.1	0	57.7	4.2	0	56.2	5.7	2	55.5	6.4	2	54.9	7.0	2	54.5	7.4	2
R-3.87	EW 3.1	NB 3.3	Huntington	Residential	2	65.5	65.7	**66.4**	0.7	0.9	B(67)	A/E	--	--	--	65.2	1.2	0	64.1	2.3	0	63.1	3.3	0	60.9	5.5	2	59.6	6.8	2	59.1	7.3	2	61.5	4.9	0	60.3	6.1	2
R-3.88	EW 3.1	NB 3.3	Huntington	Residential	2	63.4	63.7	64.2	0.5	0.8	B(67)	--	--	--	--	63.1	1.1	0	62.4	1.8	0	61.6	2.6	0	59.9	4.3	0	58.6	5.6	2	57.7	6.5	2	57.0	7.2	2	56.5	7.7	2
R-3.89	EW 3.1	NB 3.3	Huntington	Residential	2	**68.0**	**68.2**	**69.0**	0.8	1.0	B(67)	A/E	--	--	--	**67.2**	1.8	0	65.6	3.4	0	64.3	4.7	0	62.5	6.5	2	61.1	7.9	2	59.9	9.1	2	60.7	8.3	2	59.6	9.4	2
R-3.90	EW 3.1	NB 3.3	Huntington	Residential	2	63.1	63.4	64.0	0.6	0.9	B(67)	--	--	--	--	62.7	1.3	0	61.8	2.2	0	60.9	3.1	0	59.1	4.9	0	57.8	6.2	2	57.1	6.9	2	56.6	7.4	2	56.1	7.9	2
R-3.91	EW 3.1	NB 3.3	Huntington	Residential	2	**69.6**	**69.8**	**70.5**	0.7	0.9	B(67)	A/E	--	--	--	**69.3**	1.2	0	**67.0**	3.5	0	65.4	5.1	2	63.0	7.5	2	61.3	9.2	2	60.5	10.0	2	62.0	8.5	2	61.3	9.2	2
R-3.92	EW 3.2	NB 3.3	Van Buren	Residential	2	59.1	59.3	60.1	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.1	1.0	0	58.3	1.8	0	57.8	2.3	0	57.4	2.7	0	57.2	2.9	0
R-3.93	EW 3.2	NB 3.3	Van Buren	Park - Sports Area	1	58.6	58.8	59.5	0.7	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.9	0.6	0	58.7	0.8	0	58.5	1.0	0	58.4	1.1	0	58.3	1.2	0
R-4.01	EW 4.1		Roosevelt	Residential	2	57.6	57.9	58.5	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.02	EW 4.1		Roosevelt	Residential	2	61.6	61.9	62.5	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.03	EW 4.1		Roosevelt	Residential	1	62.8	63.2	63.8	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.04	EW 4.1		Roosevelt	Residential	1	60.3	60.6	61.4	0.8	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.05	EW 4.1		Roosevelt	Residential	2	59.0	59.4	59.5	0.1	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.06	EW 4.1		Roosevelt	Residential	2	61.6	62.0	62.5	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.07	EW 4.1		Roosevelt	Residential	1	59.3	59.6	59.5	-0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.08	EW 4.1		Roosevelt	Residential	1	62.0	62.4	62.9	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.09	EW 4.1		Roosevelt	Residential	1	57.8	58.2	58.7	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.10	EW 4.1		Roosevelt	Residential	1	63.4	63.7	63.9	0.2	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.11	EW 4.1		Monroe	Residential	1	64.9	65.4	65.9	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.12	EW 4.1		Monroe	Residential	1	52.0	52.7	53.2	0.5	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.13	EW 4.1		Monroe	Residential	1	55.8	56.3	56.8	0.5	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.14	EW 4.1		Monroe	Residential	1	60.0	60.5	61.1	0.6	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.15	EW 4.1		Monroe	Residential	1	54.2	55.1	55.5	0.4	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.16	EW 4.1		Monroe	Residential	1	60.3	60.8	61.2	0.4	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.17	EW 4.1		Monroe	Residential	1	63.5	64.3	64.7	0.4	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.18	EW 4.1		Monroe	Residential	1	53.6	54.5	54.9	0.4	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.19	EW 4.1		Monroe	Residential	1	57.1	57.4	58.0	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.20	EW 4.1		Monroe	Residential	1	58.1	58.4	58.9	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.21	EW 4.1		Roosevelt	Residential	1	54.8	55.1	55.7	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.22	EW 4.1		Monroe	Residential	1	55.5	55.9	56.4	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.23	EW 4.1		Monroe	Residential	2	58.9	59.2	59.9	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.24	EW 4.1		Monroe	Residential	2	62.6	62.9	63.5	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.25	EW 4.1		Monroe	Residential	2	60.6	60.9	61.4	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.26	EW 4.1		Monroe	Residential	2	63.9	64.1	64.7	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.27	EW 4.1		Monroe	Residential	1	60.4	60.7	61.3	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.28	EW 4.1		Monroe	Residential	1	63.1	63.4	64.0	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.29	EW 4.1		Monroe	Residential	1	60.5	60.8	61.4	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.30	EW 4.1		Monroe	Residential	1	59.9	60.3	60.8	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.31	EW 4.1		Monroe	Residential	1	62.5	62.9	63.5	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.32	EW 4.1		Roosevelt	Residential	2	54.3	54.7	55.2	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.33	EW 4.1		Monroe	Residential	2	61.4	61.7	62.2	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.34	EW 4.1		Monroe	Swimming Pool	1	57.4	57.7	58.3	0.6	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.35	EW 4.2	NB 4.1	Monroe	Residential	2	56.3	56.6	57.1	0.5	0.8	B(67)	--	57.1	0.0	0	56.6	0.5	0	55.9	1.2	0	55.2	1.9	0	54.5	2.6	0	53.7	3.4	0	53.1	4.0	0	52.7	4.4	0	52.4	4.7	0
R-4.36	EW 4.2	NB 4.1	Monroe	Residential	2	63.6	63.8	64.5	0.7	0.9	B(67)	--	64.1	0.4	0	62.9	1.6	0	61.6	2.9	0	60.4	4.1	0	59.5	5.0	2	58.7	5.8	2	58.1	6.4	2	57.7	6.8	2	57.4	7.1	2
R-4.37	EW 4.2	NB 4.1	Monroe	Residential	1	58.7	59.0	59.5	0.5	0.8	B(67)	--	59.4	0.1	0	59.2	0.3	0	58.9	0.6	0	58.5	1.0	0	58.2	1.3	0	57.9	1.6	0	57.7	1.8	0	57.6	1.9	0	57.6	1.9	0
R-4.38	EW 4.2	NB 4.1	Monroe	Residential	1	57.1	57.5	57.9	0.4	0.8	B(67)	--	57.9	0.0	0	57.6	0.3	0	57.1	0.8	0	56.5	1.4	0	56.0	1.9	0	55.6	2.3	0	55.4	2.5	0	55.3	2.6	0	55.2	2.7	0
R-4.39	EW 4.2	NB 4.1	Monroe	Residential	1	60.3	60.6	61.1	0.5	0.8	B(67)	--	61.1	0.0	0	60.8	0.3	0	60.2	0.9	0	59.5	1.6	0	58.9	2.2	0	58.5	2.6	0	58.2	2.9	0	58.1	3.0	0	58.0	3.1	0
R-4.40	EW 4.2	NB 4.1	Monroe	Residential	1	62.8	63.0	63.6	0.6	0.8	B(67)	--	63.6	0.0	0	63.6	0.0	0	62.5	1.1	0	61.4	2.2	0	60.6	3.0	0	59.8	3.8	0	59.4	4.2	0	59.2	4.4	0	59.0	4.6	0
R-4.41	EW 4.2	NB 4.1	Monroe	Residential	1	60.7	61.0	61.6	0.6	0.9	B(67)	--	61.2	0.4	0	59.6	2.0	0	58.7	2.9	0	57.9	3.7	0	57.1	4.5	0	56.3	5.3	1	55.6	6.0	1	55.2	6.4	1	54.9	6.7	1
R-4.42	EW 4.2	NB 4.1	Monroe	Residential	1	57.0	57.4	57.8	0.4	0.8	B(67)	--	57.8	0.0	0	57.8	0.0	0	57.8	0.0	0	57.8	0.0	0	57.7	0.1	0	57.7	0.1	0	57.6	0.2	0	57.4	0.4	0	57.4	0.4	0
R-4.43	EW 4.2	NB 4.1	Roosevelt	Residential	1	60.3	60.7	61.2	0.5	0.9	B(67)	--	61.2	0.0	0	61.2	0.0	0	61.1	0.1	0	61.0	0.2	0	60.9	0.3	0	60.7	0.5	0	60.4	0.8	0	60.3	0.9	0	60.2	1.0	0
R-4.44	EW 4.2	NB 4.1	Monroe	Residential	1	57.5	57.8	58.6	0.8	1.1	B(67)	--	58.3	0.3	0	57.9	0.7	0	57.3	1.3	0	56.5	2.1	0	55.9	2.7	0	55.4	3.2	0	55.0	3.6	0	54.6	4.0	0	54.2	4.4	0
R-4.45	EW 4.2	NB 4.1	Monroe	Residential	1	58.8	59.2	59.8	0.6	1.0	B(67)	--	59.7	0.1	0	59.2	0.6	0	58.9	0.9	0	58.2	1.6	0	57.7	2.1	0	57.4	2.4	0	57.1	2.7	0	56.9	2.9	0	56.7	3.1	0
R-4.46	EW 4.2	NB 4.1	Monroe	Residential	1	62.8	63.2	64.1	0.9	1.3	B(67)	--	63.8	0.3	0	62.9	1.2	0	61.8	2.3	0	61.1	3.0	0	60.5	3.6	0	59.9	4.2	0	59.6	4.5	0	59.4	4.7	0	59.4	4.7	0
R-4.47	EW 4.2	NB 4.1	Monroe	Residential	1	59.0	59.5	60.0	0.5	1.0	B(67)	--	60.0	0.0	0	59.7	0.3	0	59.4	0.6	0	58.9	1.1	0	58.4	1.6	0	57.9	2.1	0	57.7	2.3	0	57.5	2.5	0	57.4	2.6	0
R-4.48	EW 4.2	NB 4.1	Monroe	Residential	1	59.1	59.6	60.1	0.5	1.0	B(67)	--	59.9	0.2	0	59.6	0.5	0	59.1	1.0	0	58.3	1.8	0	57.7	2.4	0	57.3	2.8	0	57.0	3.1	0	56.7	3.4	0	56.5	3.6	0
R-4.49	EW 4.2	NB 4.1	Trabuco Road	Residential	2	59.1	59.5	60.0	0.5	0.9	B(67)	--	59.8	0.2	0	59.4	0.6	0	58.9	1.1	0	58.1	1.9	0	57.6	2.4	0	57.1	2.9	0	56.8	3.2	0	56.5	3.5	0	56.3	3.7	0
R-4.50	EW 4.2	NB 4.1	Westmoreland	Residential	2	63.5	63.8	64.3	0.5	0.8	B(67)	--	63.7	0.6	0	62.6	1.7	0	61.8	2.5	0	61.0	3.3	0	60.3	4.0	0	59.7	4.6	0	59.3	5.0	2	59.1	5.2	2	59.1	5.2	2
R-4.51	EW 4.2	NB 4.1	Westmoreland	Residential	2	60.5	60.9	61.4	0.5	0.9	B(67)	--	61.1	0.3	0	60.5	0.9	0	59.6	1.8	0	58.6	2.8	0	57.8	3.6	0	57.2	4.2	0	56.7	4.7	0	56.3	5.1	2	56.0	5.4	2
R-4.52	EW 4.2	NB 4.1	Shadwell	Residential	2	64.7	65.0	65.7	0.7	1.0	B(67)	--	65.0	0.7	0	63.7	2.0	0	62.4	3.3	0	61.4	4.3	0	60.3	5.4	2	59.5	6.2	2	59.0	6.7	2	58.8	6.9	2	58.6	7.1	2
R-4.53	EW 4.2	NB 4.1	Henry	Residential	2	56.7	57.1	57.6	0.5	0.9	B(67)	--	57.6	0.0	0	57.4	0.2	0	57.0	0.6	0	56.4	1.2	0	55.7	1.9	0	54.7	2.9	0	53.8	3.8	0	53.3	4.3	0	53.1	4.5	0
R-4.54	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.3	60.6	61.1	0.5	0.8	B(67)	--	61.1	0.0	0	60.9	0.2	0	60.5	0.6	0	59.8	1.3	0	58.9	2.2	0	57.6	3.5	0	56.2	4.9	0	55.2	5.9	2	54.7	6.4	2

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																											
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-4.55	EW 4.2	NB 4.1	Henry	Residential	2	55.4	55.7	56.2	0.5	0.8	B(67)	--	56.2	0.0	0	56.1	0.1	0	56.0	0.2	0	55.6	0.6	0	54.6	1.6	0	53.0	3.2	0	50.7	5.5	2	49.2	7.0	2	48.5	7.7	2
R-4.56	EW 4.2	NB 4.1	Henry	Residential	2	60.7	61.0	61.5	0.5	0.8	B(67)	--	61.5	0.0	0	61.4	0.1	0	61.2	0.3	0	60.6	0.9	0	59.7	1.8	0	58.1	3.4	0	56.2	5.3	2	54.9	6.6	2	54.3	7.2	2
R-4.57	EW 4.2	NB 4.1	Mosby	Residential	2	57.4	57.8	58.4	0.6	1.0	B(67)	--	58.2	0.2	0	57.6	0.8	0	56.8	1.6	0	56.2	2.2	0	55.7	2.7	0	55.3	3.1	0	54.9	3.5	0	54.6	3.8	0	54.4	4.0	0
R-4.58	EW 4.2	NB 4.1	Mosby	Residential	2	61.5	61.8	62.4	0.6	0.9	B(67)	--	61.9	0.5	0	60.9	1.5	0	60.2	2.2	0	59.1	3.3	0	58.8	3.6	0	58.5	3.9	0	58.2	4.2	0	57.8	4.6	0	57.3	5.1	2
R-4.59	EW 4.2	NB 4.1	Mosby	Residential	2	58.2	58.6	59.1	0.5	0.9	B(67)	--	59.0	0.1	0	58.7	0.4	0	58.1	1.0	0	57.5	1.6	0	56.7	2.4	0	55.7	3.4	0	54.7	4.4	0	54.0	5.1	2	53.5	5.6	2
R-4.60	EW 4.2	NB 4.1	Pierce	Residential	2	63.6	63.9	64.5	0.6	0.9	B(67)	--	64.2	0.3	0	63.5	1.0	0	62.2	2.3	0	61.3	3.2	0	60.2	4.3	0	58.9	5.6	2	57.8	6.7	2	57.0	7.5	2	56.6	7.9	2
R-4.61	EW 4.2	NB 4.1	Pierce	Residential	2	57.6	57.9	58.3	0.4	0.7	B(67)	--	58.1	0.2	0	57.5	0.8	0	56.7	1.6	0	55.8	2.5	0	54.9	3.4	0	53.8	4.5	0	52.9	5.4	2	52.3	6.0	2	51.7	6.6	2
R-4.62	EW 4.2	NB 4.1	Pierce	Residential	2	59.6	59.9	60.4	0.5	0.8	B(67)	--	60.4	0.0	0	60.4	0.0	0	60.2	0.2	0	59.8	0.6	0	59.0	1.4	0	57.2	3.2	0	55.6	4.8	0	54.0	6.4	2	53.2	7.2	2
R-4.63	EW 4.2	NB 4.1	Pierce	Residential	1	64.9	65.2	**66.0**	0.8	1.1	B(67)	A/E	65.1	0.9	0	63.7	2.3	0	61.8	4.2	0	60.3	5.7	1	59.2	6.8	1	58.2	7.8	1	57.4	8.6	1	56.6	9.4	1	56.0	10.0	1
R-4.64	EW 4.2	NB 4.1	Phillipsburg	Residential	1	**70.6**	**70.9**	**71.4**	0.5	0.8	B(67)	A/E	**71.1**	0.3	0	**70.2**	1.2	0	**68.3**	3.1	0	65.6	5.8	1	63.7	7.7	1	61.6	9.8	1	60.4	11.0	1	59.2	12.2	1	58.3	13.1	1
R-4.65	EW 4.2	NB 4.1	Roosevelt	Residential	1	64.1	64.4	65.1	0.7	1.0	B(67)	--	64.4	0.7	0	63.2	1.9	0	62.0	3.1	0	60.7	4.4	0	59.7	5.4	1	58.5	6.6	1	57.6	7.5	1	56.8	8.3	1	56.1	9.0	1
R-4.66	EW 4.2	NB 4.1	Phillipsburg	Residential	1	57.8	58.3	58.7	0.4	0.9	B(67)	--	58.5	0.2	0	57.8	0.9	0	57.2	1.5	0	56.3	2.4	0	55.4	3.3	0	54.6	4.1	0	53.9	4.8	0	53.3	5.4	1	53.0	5.7	1
R-4.67	EW 4.2	NB 4.1	Roosevelt	Residential	1	59.6	60.1	60.5	0.4	0.9	B(67)	--	60.5	0.0	0	60.4	0.1	0	60.0	0.5	0	59.6	0.9	0	58.8	1.7	0	58.2	2.3	0	57.5	3.0	0	56.7	3.8	0	56.3	4.2	0
R-4.68	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.5	61.2	61.5	0.3	1.0	B(67)	--	61.4	0.1	0	60.9	0.6	0	60.3	1.2	0	59.6	1.9	0	58.4	3.1	0	57.8	3.7	0	57.2	4.3	0	56.9	4.6	0	56.6	4.9	0
R-4.69	EW 4.2	NB 4.1	Roosevelt	Residential	2	63.8	64.3	64.7	0.4	0.9	B(67)	--	64.6	0.1	0	64.0	0.7	0	63.4	1.3	0	62.6	2.1	0	61.8	2.9	0	60.9	3.8	0	60.0	4.7	0	59.1	5.6	2	58.4	6.3	2
R-4.70	EW 4.2	NB 4.1	Roosevelt	Residential	2	61.5	62.1	62.5	0.4	1.0	B(67)	--	62.2	0.3	0	61.5	1.0	0	60.7	1.8	0	59.8	2.7	0	58.8	3.7	0	58.2	4.3	0	57.6	4.9	0	57.2	5.3	2	56.8	5.7	2
R-4.71	EW 4.2	NB 4.1	Roosevelt	Residential	2	**66.5**	**66.9**	**67.2**	0.3	0.7	B(67)	A/E	**66.9**	0.3	0	**66.1**	1.1	0	64.8	2.4	0	63.7	3.5	0	62.5	4.7	0	61.3	5.9	2	60.3	6.9	2	59.2	8.0	2	58.5	8.7	2
R-4.72	EW 4.2	NB 4.1	Roosevelt	Residential	2	56.9	57.3	58.0	0.7	1.1	B(67)	--	57.8	0.2	0	57.4	0.6	0	56.6	1.4	0	56.0	2.0	0	55.3	2.7	0	54.8	3.2	0	54.3	3.7	0	54.0	4.0	0	53.7	4.3	0
R-4.73	EW 4.2	NB 4.1	Roosevelt	Residential	4	55.6	56.1	56.8	0.7	1.2	B(67)	--	56.6	0.2	0	56.2	0.6	0	55.6	1.2	0	55.1	1.7	0	54.4	2.4	0	53.8	3.0	0	53.4	3.4	0	53.0	3.8	0	52.7	4.1	0
R-4.74	EW 4.2	NB 4.1	Roosevelt	Residential	2	54.5	54.8	55.4	0.6	0.9	B(67)	--	55.1	0.3	0	54.0	1.4	0	53.2	2.2	0	52.4	3.0	0	51.7	3.7	0	51.1	4.3	0	50.6	4.8	0	50.3	5.1	2	50.1	5.3	2
R-4.75	EW 4.2	NB 4.1	Roosevelt	Residential	4	50.8	51.1	51.8	0.7	1.0	B(67)	--	51.5	0.3	0	50.8	1.0	0	50.3	1.5	0	49.9	1.9	0	49.6	2.2	0	49.3	2.5	0	49.0	2.8	0	48.8	3.0	0	48.7	3.1	0
R-4.76	EW 4.2	NB 4.1	Roosevelt	Residential	1	54.1	54.5	55.2	0.7	1.1	B(67)	--	55.0	0.2	0	54.7	0.5	0	54.4	0.8	0	54.0	1.2	0	53.6	1.6	0	53.3	1.9	0	53.0	2.2	0	52.5	2.7	0	52.5	2.7	0
R-4.77	EW 4.2	NB 4.1	Roosevelt	Residential	1	57.6	58.2	58.7	0.5	1.1	B(67)	--	58.5	0.2	0	58.0	0.7	0	57.7	1.0	0	57.4	1.3	0	57.0	1.7	0	56.7	2.0	0	56.6	2.1	0	56.4	2.3	0	56.1	2.6	0
R-4.78	EW 4.2	NB 4.1	Roosevelt	Residential	2	56.5	56.8	57.6	0.8	1.1	B(67)	--	57.2	0.4	0	56.2	1.4	0	54.7	2.9	0	53.9	3.7	0	53.2	4.4	0	52.7	4.9	0	52.2	5.4	2	51.7	5.9	2	51.2	6.4	2
R-4.79	EW 4.2	NB 4.1	Roosevelt	Residential	3	53.1	53.4	54.1	0.7	1.0	B(67)	--	53.8	0.3	0	53.4	0.7	0	52.0	2.1	0	51.4	2.7	0	51.0	3.1	0	50.6	3.5	0	50.3	3.8	0	49.9	4.2	0	49.5	4.6	0
R-4.80	EW 4.2	NB 4.1	Roosevelt	Residential	2	58.4	58.7	59.5	0.8	1.1	B(67)	--	59.0	0.5	0	57.0	2.5	0	55.9	3.6	0	54.9	4.6	0	54.1	5.4	2	53.4	6.1	2	52.9	6.6	2	52.4	7.1	2	52.1	7.4	2
R-4.81	EW 4.2	NB 4.1	Roosevelt	Residential	4	55.4	55.7	56.5	0.8	1.1	B(67)	--	55.7	0.8	0	54.3	2.2	0	53.4	3.1	0	52.5	4.0	0	51.9	4.6	0	51.3	5.2	4	50.9	5.6	4	50.6	5.9	4	50.1	6.4	4
R-4.82	EW 4.2	NB 4.1	Roosevelt	Residential	1	56.8	57.2	57.8	0.6	1.0	B(67)	--	57.6	0.2	0	56.9	0.9	0	55.7	2.1	0	54.8	3.0	0	54.1	3.7	0	53.5	4.3	0	53.1	4.7	0	52.6	5.2	1	52.1	5.7	1
R-4.83	EW 4.2	NB 4.1	Roosevelt	Residential	1	61.2	61.6	62.3	0.7	1.1	B(67)	--	61.4	0.9	0	60.6	1.7	0	59.4	2.9	0	58.4	3.9	0	57.7	4.6	0	57.1	5.2	1	56.8	5.5	1	56.7	5.6	1	56.4	5.9	1
R-4.84	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.8	61.0	61.7	0.7	0.9	B(67)	--	60.9	0.8	0	59.4	2.3	0	57.9	3.8	0	56.2	5.5	2	55.2	6.5	2	54.3	7.4	2	53.6	8.1	2	52.9	8.8	2	52.3	9.4	2
R-4.85	EW 4.2	NB 4.1	Roosevelt	Residential	3	55.3	55.6	56.4	0.8	1.1	B(67)	--	55.8	0.6	0	54.5	1.9	0	53.5	2.9	0	52.2	4.2	0	51.4	5.0	3	50.8	5.6	3	50.5	5.9	3	50.0	6.4	3	49.4	7.0	3
R-4.86	EW 4.2	NB 4.1	Roosevelt	Residential	2	61.4	61.7	62.4	0.7	1.0	B(67)	--	62.1	0.3	0	61.0	1.4	0	60.1	2.3	0	59.1	3.3	0	57.8	4.6	0	57.0	5.4	2	56.3	6.1	2	55.7	6.7	2	55.1	7.3	2
R-4.87	EW 4.2	NB 4.1	Roosevelt	Residential	3	60.3	60.6	61.3	0.7	1.0	B(67)	--	61.0	0.3	0	60.1	1.2	0	59.3	2.0	0	58.3	3.0	0	57.1	4.2	0	56.4	4.9	0	55.8	5.5	3	55.2	6.1	3	54.7	6.6	3
R-4.88	EW 4.2	NB 4.1	Roosevelt	Residential	1	62.6	63.0	63.7	0.7	1.1	B(67)	--	63.0	0.7	0	62.0	1.7	0	61.1	2.6	0	60.2	3.5	0	59.1	4.6	0	58.3	5.4	1	57.6	6.1	1	56.7	7.0	1	56.1	7.6	1
R-4.89	EW 4.2	NB 4.1	Roosevelt	Residential	1	65.9	**66.3**	**66.8**	0.5	0.9	B(67)	A/E	**66.7**	0.1	0	65.8	1.0	0	64.1	2.7	0	63.1	3.7	0	62.4	4.4	0	61.3	5.5	1	60.4	6.4	1	60.1	6.7	1	60.2	6.6	1
R-4.90	EW 4.2	NB 4.1	Roosevelt	Residential	1	60.3	60.8	61.6	0.8	1.3	B(67)	--	61.4	0.2	0	60.4	1.2	0	59.9	1.7	0	59.4	2.2	0	58.5	3.1	0	57.9	3.7	0	57.2	4.4	0	56.4	5.2	1	55.8	5.8	1
R-4.91	EW 4.2	NB 4.1	Roosevelt	Residential	1	64.4	64.8	65.3	0.5	0.9	B(67)	--	65.0	0.3	0	64.2	1.1	0	63.1	2.2	0	62.4	2.9	0	61.9	3.4	0	61.0	4.3	0	60.3	5.0	1	60.1	5.2	1	60.2	5.1	1
R-4.92	EW 4.2	NB 4.1	Roosevelt	Residential	2	57.7	58.1	58.6	0.5	0.9	B(67)	--	58.6	0.0	0	58.5	0.1	0	57.9	0.7	0	57.1	1.5	0	56.4	2.2	0	55.1	3.5	0	53.8	4.8	0	52.4	6.2	2	51.6	7.0	2
R-4.93	EW 4.2	NB 4.1	Roosevelt	Residential	2	60.8	61.2	61.7	0.5	0.9	B(67)	--	61.7	0.0	0	61.7	0.0	0	61.5	0.2	0	61.1	0.6	0	60.3	1.4	0	58.9	2.8	0	57.4	4.3	0	56.1	5.6	2	55.4	6.3	2
R-4.94	EW 4.2	NB 4.1	Roosevelt	Residential	2	55.9	56.3	56.9	0.6	1.0	B(67)	--	56.9	0.0	0	56.8	0.1	0	56.5	0.4	0	56.1	0.8	0	55.3	1.6	0	54.2	2.7	0	53.0	3.9	0	52.1	4.8	0	51.5	5.4	2
R-4.95	EW 4.2	NB 4.1	Roosevelt	Residential	2	62.5	62.9	63.3	0.4	0.8	B(67)	--	63.2	0.1	0	62.7	0.6	0	61.9	1.4	0	61.0	2.3	0	60.1	3.2	0	58.8	4.5	0	57.5	5.8	2	56.3	7.0	2	55.7	7.6	2
R-4.96		NB 4.1	Roosevelt	Residential	2	56.5	56.9	57.5	0.6	1.0	B(67)	--	57.5	0.0	0	57.4	0.1	0	57.2	0.3	0	56.7	0.8	0	56.0	1.5	0	54.8	2.7	0	53.6	3.9	0	52.5	5.0	2	51.8	5.7	2
R-4.97		NB 4.1	Roosevelt	Residential	2	61.2	61.6	62.1	0.5	0.9	B(67)	--	62.1	0.0	0	61.9	0.2	0	61.5	0.6	0	61.0	1.1	0	60.3	1.8	0	58.9	3.2	0	57.5	4.6	0	56.3	5.8	2	55.6	6.5	2
R-4.98		NB 4.1	Roosevelt	Residential	2	58.6	59.0	59.5	0.5	0.9	B(67)	--	59.5	0.0	0	59.3	0.2	0	58.0	1.5	0	57.5	2.0	0	56.6	2.9	0	55.5	4.0	0	54.5	5.0	2	53.7	5.8	2	53.2	6.3	2
R-4.99		NB 4.1	Roosevelt	Residential	2	61.7	62.1	62.5	0.4	0.8	B(67)	--	62.5	0.0	0	62.5	0.0	0	62.5	0.0	0	62.2	0.3	0	61.4	1.1	0	59.8	2.7	0	58.1	4.4	0	56.8	5.7	2	56.1	6.4	2
R-4.100		NB 4.1	Roosevelt	Residential	2	55.3	55.7	56.3	0.6	1.0	B(67)	--	56.3	0.0	0	56.3	0.0	0	56.2	0.1	0	55.8	0.5	0	55.1	1.2	0	53.9	2.4	0	52.8	3.5	0	51.6	4.7	0	51.0	5.3	2
R-4.101		NB 4.1	Roosevelt	Residential	2	60.9	61.3	61.8	0.5	0.9	B(67)	--	61.8	0.0	0	61.8	0.0	0	61.6	0.2	0	61.1	0.7	0	60.3	1.5	0	59.0	2.8	0	57.7	4.1	0	56.5	5.3	2	56.0	5.8	2
R-4.102		NB 4.1	Roosevelt	Residential	2	53.3	53.8	54.4	0.6	1.1	B(67)	--	54.4	0.0	0	54.4	0.0	0	54.4	0.0	0	54.1	0.3	0	53.5	0.9	0	52.5	1.9	0	51.5	2.9	0	50.5	3.9	0	50.0	4.4	0
R-4.103		NB 4.1	Roosevelt	Residential	2	60.2	60.6	61.1	0.5	0.9	B(67)	--	61.1	0.0	0	61.1	0.0	0	61.0	0.1	0	60.6	0.5	0	60.0	1.1	0	58.6	2.5	0	57.4	3.7	0	56.2	4.9	0	55.6	5.5	2
R-4.104		NB 4.1	Roosevelt	Residential	2	55.5	56.0	56.5	0.5	1.0	B(67)	--	56.5	0.0	0	56.5	0.0	0	56.5	0.0	0	56.2	0.3	0	55.6	0.9	0	54.6	1.9	0	53.5	3.0	0	52.3	4.2	0	51.6	4.9	0
R-4.105		NB 4.1	Roosevelt	Residential	2	60.1	60.7	61.2	0.5	1.1	B(67)	--	61.2	0.0	0	61.2	0.0	0	61.1	0.1	0	60.8	0.4	0	60.1	1.1	0	58.9	2.3	0	57.8	3.4	0	56.8	4.4	0	56.2	5.0	2
R-4.106		NB 4.1	Roosevelt	Residential	2	59.3	59.7	60.5	0.8	1.2	B(67)	--	58.3	2.2	0	58.0	2.5	0	57.8	2.7	0	57.4	3.1	0	56.8	3.7	0	55.9	4.6	0	55.0	5.5	2	54.0	6.5	2	53.3	7.2	2
R-4.107		NB 4.1	Roosevelt	Residential	2	65.1	65.5	**66.2**	0.7	1.1	B(67)	A/E	**66.2**	0.0	0	65.1	1.1	0	63.7	2.5	0	62.2	4.0	0	61.2	5.0	2	60.0	6.2	2	59.0	7.2	2	58.0	8.2	2	57.4	8.8	2
R-4.108		NB 4.1	Roosevelt	Residential	2	56.8	57.2	57.9	0.7	1.1	B(67)	--	57.4	0.5	0	57.3	0.6	0	57.2	0.7	0	57.0	0.9	0	56.6	1.3	0	55.8	2.1	0	54.8	3.1	0	53.9	4.0	0	53.2	4.7	0
R-4.109		NB 4.1	Roosevelt	Residential	2	62.1	62.5	63.2	0.7	1.1	B(67)	--	63.2	0.0	0	62.9	0.3	0	62.7	0.5	0	62.2	1.0	0	61.6	1.6	0	60.6	2.6	0	59.5	3.7	0	58.4	4.8	0	57.6	5.6	2
R-4.110		NB 4.1	Roosevelt	Residential	2	54.5	55.0	55.7	0.7	1.2	B(67)	--	55.7	0.0	0	55.7	0.0	0	55.7	0.0	0	55.6	0.1	0	55.2	0.5	0	54.4	1.3	0	53.3	2.4	0	52.1	3.6	0	51.3	4.4	0
R-4.111		NB 4.1	Roosevelt	Residential	2	60.1	60.6	61.2	0.6	1.1	B(67)	--	61.2	0.0	0	61.2	0.0	0	61.1	0.1	0	60.9	0.3	0	60.5	0.7	0	59.6	1.6	0	58.4	2.8	0	57.3	3.9	0	56.4	4.8	0
R-4.112		NB 4.1	Roosevelt	Residential	2	63.6	63.9	60.9	-3.0	-2.7	B(67)	--	60.9	0.0	0	60.9	0.0	0	60.8	0.1	0	60.3	0.6	0	58.9	2.0	0	57.4	3.5	0	56.3	4.6	0	55.1	5.8	2	54.2	6.7	2
R-4.113		NB 4.1	Roosevelt	Residential	2	65.0	65.3	**66.0**	0.7	1.0	B(67)	A/E	**66.0**	0.0	0	**66.0**	0.0	0	**66.0**	0.0	0	65.0	1.0	0	62.7	3.3	0	61.1	4.9	0	59.5	6.5	2	57.6	8.4	2	56.6	9.4	2
R-4.114		NB 4.1	Roosevelt	Residential	3	59.0	59.4	60.1	0.7	1.1	B(67)	--	59.2	0.9	0	58.9	1.2	0	58.5	1.6	0	58.0	2.1	0	57.3	2.8	0	56.3	3.8	0	55.2	4.9	0	54.0	6.1	3	53.3	6.8	3
R-4.115		NB 4.1	Roosevelt	Residential	2	62.2	62.7	63.1	0.4	0.9	B(67)	--	63.1	0.0	0	62.5	0.6	0	61.8	1.3	0	61.2	1.9	0	60.7	2.4	0	59.7	3.4	0	58.8	4.3	0	57.9	5.2	2	57.4	5.7	2
R-4.116		NB 4.1	Roosevelt	Residential	2	61.7	62.2	62.7	0.5	1.0	B(67)	--	62.6	0.1	0	62.1	0.6	0	61.6	1.1	0	61.1	1.6	0	60.6	2.1	0	59.7	3.0	0	59.0	3.7	0	58.2	4.5	0	58.2	4.5	0
R-4.117		NB 4.1	Roosevelt	Residential	3	59.2	59.6	60.1	0.5	0.9	B(67)	--	59.4	0.7	0	59.0	1.1	0	58.7	1.4	0	58.2	1.9	0	57.5	2.6	0	56.5	3.6	0	55.5	4.6	0	54.6	5.5	3	53.8	6.3	3
R-4.118		NB 4.1	Roosevelt	Residential	2	61.7	62.2	62.6	0.4	0.9	B(67)	--	62.6	0.0	0	62.0	0.6	0	61.7	0.9	0	61.3	1.3	0	60.8	1.8	0	60.0	2.6	0	59.3	3.3	0	58.5	4.1	0	58.4	4.2	0
R-4.119		NB 4.1	Roosevelt	Residential	2	58.0	58.4	59.0	0.6	1.0	B(67)	--	58.8	0.2	0	58.7	0.3	0	58.6	0.4	0	58.2	0.8	0	57.7	1.3	0	56.6	2.4	0	55.6	3.4	0	54.5	4.5	0	53.8	5.2	2

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																															
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																									
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-4.120		NB 4.1	Roosevelt	Residential	2	58.2	58.7	59.0	0.3	0.8	B(67)	--	59.0	0.0	0	59.0	0.0	0	58.9	0.1	0	58.5	0.5	0	57.9	1.1	0	56.8	2.2	0	55.9	3.1	0	54.7	4.3	0	54.0	5.0	2
R-4.121		NB 4.1	Roosevelt	Residential	2	61.6	62.1	62.6	0.5	1.0	B(67)	--	62.6	0.0	0	62.4	0.2	0	62.1	0.5	0	61.8	0.8	0	61.3	1.3	0	60.6	2.0	0	59.8	2.8	0	59.1	3.5	0	58.9	3.7	0
R-4.122		NB 4.1	Roosevelt	Residential	2	62.1	62.6	63.2	0.6	1.1	B(67)	--	63.2	0.0	0	63.1	0.1	0	62.7	0.5	0	62.3	0.9	0	61.8	1.4	0	61.1	2.1	0	60.2	3.0	0	59.4	3.8	0	59.4	3.8	0
R-4.123		NB 4.1	Monroe	Residential	2	65.4	65.8	**66.5**	0.7	1.1	B(67)	A/E	**66.5**	0.0	0	**66.3**	0.2	0	65.1	1.4	0	63.5	3.0	0	62.7	3.8	0	61.5	5.0	2	60.3	6.2	2	59.1	7.4	2	58.4	8.1	2
R-4.124		NB 4.1	Monroe	Residential	2	63.2	63.7	64.2	0.5	1.0	B(67)	--	64.2	0.0	0	64.0	0.2	0	63.6	0.6	0	62.9	1.3	0	62.4	1.8	0	61.3	2.9	0	60.3	3.9	0	59.1	5.1	2	58.5	5.7	2
R-4.125		NB 4.1	Monroe	Residential	2	59.6	60.0	60.9	0.9	1.3	B(67)	--	60.6	0.3	0	60.2	0.7	0	59.7	1.2	0	59.3	1.6	0	58.7	2.2	0	57.8	3.1	0	56.8	4.1	0	55.8	5.1	2	55.1	5.8	2
R-4.126		NB 4.1	Monroe	Residential	2	59.4	59.8	60.7	0.9	1.3	B(67)	--	60.3	0.4	0	60.0	0.7	0	59.7	1.0	0	59.4	1.3	0	58.8	1.9	0	58.0	2.7	0	57.0	3.7	0	56.0	4.7	0	55.3	5.4	2
R-4.127		NB 4.1	Monroe	Residential	2	59.4	59.9	60.8	0.9	1.4	B(67)	--	60.2	0.6	0	60.1	0.7	0	60.0	0.8	0	59.8	1.0	0	59.4	1.4	0	58.7	2.1	0	57.9	2.9	0	56.9	3.9	0	56.3	4.5	0
R-4.128		NB 4.1	Monroe	Residential	2	60.1	60.9	61.4	0.5	1.3	B(67)	--	61.1	0.3	0	61.0	0.4	0	60.9	0.5	0	60.8	0.6	0	60.6	0.8	0	60.1	1.3	0	59.5	1.9	0	59.0	2.4	0	58.7	2.7	0
R-4.129		NB 4.1	Monroe	Residential	2	62.6	63.1	63.7	0.6	1.1	B(67)	--	63.7	0.0	0	63.6	0.1	0	63.4	0.3	0	63.2	0.5	0	62.8	0.9	0	62.0	1.7	0	61.0	2.7	0	60.0	3.7	0	59.5	4.2	0
R-4.130		NB 4.1	Monroe	Residential	2	62.7	63.3	63.9	0.6	1.2	B(67)	--	63.9	0.0	0	63.8	0.1	0	63.6	0.3	0	63.4	0.5	0	62.8	1.1	0	62.1	1.8	0	61.5	2.4	0	60.9	3.0	0	60.6	3.3	0
R-4.131		NB 4.1	Monroe	Residential	2	61.4	62.1	62.7	0.6	1.3	B(67)	--	62.7	0.0	0	62.5	0.2	0	62.3	0.4	0	62.1	0.6	0	61.8	0.9	0	61.4	1.3	0	61.2	1.5	0	60.6	2.1	0	60.4	2.3	0
R-4.132		NB 4.1	Monroe	Residential	1	59.6	59.9	59.4	-0.5	-0.2	B(67)	--	59.0	0.4	0	59.0	0.4	0	58.9	0.5	0	58.8	0.6	0	58.1	1.3	0	56.9	2.5	0	55.4	4.0	0	54.1	5.3	1	53.1	6.3	1
R-4.133		NB 4.1	Monroe	Residential	2	65.3	65.6	**69.7**	4.1	4.4	B(67)	A/E	**67.0**	2.7	0	**67.0**	2.7	0	**67.0**	2.7	0	**66.9**	2.8	0	**66.7**	3.0	0	65.3	4.4	0	63.0	6.7	2	61.4	8.3	2	60.4	9.3	2
R-4.134		NB 4.1	Monroe	Residential	3	59.0	60.1	60.4	0.3	1.4	B(67)	--	60.4	0.0	0	60.3	0.1	0	60.3	0.1	0	60.3	0.1	0	60.2	0.2	0	60.1	0.3	0	59.9	0.5	0	59.7	0.7	0	59.6	0.8	0
R-4.135			Trabuco Road	Retail/Office	1	62.9	63.3	64.1	0.8	1.2	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.136			Monroe	Residential	1	62.5	63.2	64.9	1.7	2.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.137			Monroe	Residential	2	63.2	63.9	65.5	1.6	2.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-4.138	EW 4.3*	NB 4.2	Monroe	Residential	1	63.0	63.8	**66**	2.2	3.0	B(67)	A/E	64.5	1.5	0	64.2	1.8	0	63.9	2.1	0	63.6	2.4	0	63.5	2.5	0	63.4	2.6	0	63.4	2.6	0	63.3	2.7	0	63.3	2.7	0
R-4.139	EW 4.3*	NB 4.2	Monroe	Residential	1	59.0	59.8	62.5	2.7	3.5	B(67)	--	61.0	1.5	0	60.6	1.9	0	60.2	2.3	0	59.8	2.7	0	59.7	2.8	0	59.6	2.9	0	59.5	3.0	0	59.4	3.1	0	59.3	3.2	0
R-4.140	EW 4.3*	NB 4.2	Monroe	Residential	2	58.2	59.4	62.3	2.9	4.1	B(67)	--	60.4	1.9	0	59.9	2.4	0	59.6	2.7	0	59.0	3.3	0	58.9	3.4	0	58.7	3.6	0	58.6	3.7	0	58.5	3.8	0	58.4	3.9	0
R-4.141	EW 4.3*	NB 4.2	Monroe	Residential	2	57.6	58.8	62.1	3.3	4.5	B(67)	--	60.0	2.1	0	59.5	2.6	0	59.2	2.9	0	58.7	3.4	0	58.5	3.6	0	58.3	3.8	0	58.2	3.9	0	58.1	4.0	0	58.1	4.0	0
R-4.142	EW 4.3*	NB 4.2	Monroe	Residential	2	61.2	61.6	65.6	4.0	4.4	B(67)	--	63.7	1.9	0	63.3	2.3	0	62.9	2.7	0	62.6	3.0	0	62.4	3.2	0	62.3	3.3	0	62.2	3.4	0	62.1	3.5	0	62.0	3.6	0
R-4.143	EW 4.3*	NB 4.2	Monroe	Residential	2	58.0	58.5	62.9	4.4	4.9	B(67)	--	60.7	2.2	0	60.3	2.6	0	59.7	3.2	0	59.2	3.7	0	59.0	3.9	0	58.8	4.1	0	58.7	4.2	0	58.6	4.3	0	58.4	4.5	0
R-4.144	EW 4.3*	NB 4.2	Monroe	Residential	2	57.6	57.9	62.8	4.9	5.2	B(67)	--	60.3	2.5	0	59.8	3.0	0	59.3	3.5	0	58.7	4.1	0	58.4	4.4	0	58.3	4.5	0	58.1	4.7	0	58.0	4.8	0	57.9	4.9	0
R-4.145	EW 4.4	NB 4.2	Monroe	Residential	2	60.7	61.2	63.4	2.2	2.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61.6	1.8	0	61.6	1.8	0	61.6	1.8	0
R-4.146	EW 4.4	NB 4.2	Monroe	Residential	2	60.4	60.7	64.6	3.9	4.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61.1	3.5	0	61.0	3.6	0	60.9	3.7	0
R-4.147	EW 4.4	NB 4.2	Monroe	Residential	2	59.6	59.8	63.6	3.8	4.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	60.1	3.5	0	60.0	3.6	0	59.9	3.7	0
R-4.148	EW 4.5	NB 4.2	Monroe	Residential	2	64.4	64.7	65.9	1.2	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64.5	1.4	0	64.4	1.5	0	64.4	1.5	0
R-4.149	EW 4.5	NB 4.2	Monroe	Residential	2	65.9	**66.3**	**67.1**	0.8	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.1**	1.0	0	**66.0**	1.1	0	**66.0**	1.1	0
R-4.150	EW 4.5	NB 4.2	Monroe	Residential	1	65.3	65.7	**66.7**	1.0	1.4	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.9	0.8	0	65.8	0.9	0	65.8	0.9	0
R-5.01			Trailing Vine	Residential	2	61.5	61.7	62.5	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.02			Trailing Vine	Residential	3	61.6	61.8	62.6	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.03			New Season	Residential	4	57.3	57.6	57.4	-0.2	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.04			New Season	Residential	4	55.7	56.0	56.1	0.1	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.05			New Season	Residential	4	55.9	56.3	56.6	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.06			New Season	Residential	6	55.3	55.7	55.7	0.0	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.07			New Season	Residential	4	57.4	57.8	58.4	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.08			New Season	Residential	6	54.8	55.2	55.8	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.09			New Season	Residential	4	56.6	57.0	57.3	0.3	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.10			New Season	Residential	6	55.3	55.7	55.8	0.1	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.11			New Season	Residential	3	60.1	60.5	61.0	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.12			New Season	Residential	2	58.3	58.7	58.9	0.2	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.13			New Season	Residential	3	58.1	58.5	59.0	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.14			Trailing Vine	Residential	5	60.3	60.5	61.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.15			Trailing Vine	Residential	5	55.5	55.7	56.8	1.1	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.16			Trailing Vine	Residential	5	54.0	54.2	55.0	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.17			Trailing Vine	Residential	5	54.7	55.0	55.6	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.18			Trailing Vine	Residential	2	57.6	58.0	58.4	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.19			Trailing Vine	Residential	3	56.6	56.9	57.2	0.3	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.20			Trailing Vine	Swimming Pool	1	57.1	57.4	58.0	0.6	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.21			Commerce	Office	1	55.8	56.1	56.7	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.22			Commerce	Office	1	60.3	60.6	61.3	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.23			Exchange	Office	1	65.1	65.4	66.8	1.4	1.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.24			Commerce	Office	1	65.8	66.1	67.1	1.0	1.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.25			Commerce	Office	1	56.8	57.2	57.8	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.26			Commerce	Office	1	64.6	64.9	66.4	1.5	1.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.27			Commerce	Office	1	63.8	64.1	66.1	2.0	2.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.28			El Camino Real	Office	1	52.4	52.7	54.3	1.6	1.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.29			El Camino Real	Office	1	62.6	63.0	63.8	0.8	1.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.30			El Camino Real	Office	1	57.2	57.5	58.2	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.31			El Camino Real	Office	1	54.9	55.0	55.2	0.2	0.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.32			El Camino Real	Office	1	65.6	65.7	66.3	0.6	0.7	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.33			Jamboree Road	Retail	1	63.3	63.4	64.2	0.8	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																		
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																												
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-5.34			Jamboree Road	Retail	1	61.0	61.3	61.8	0.5	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.35			El Camino Real	Retail	1	57.1	57.9	59.3	1.4	2.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.36			El Camino Real	Retail	1	54.3	54.8	55.5	0.7	1.2	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.37			El Camino Real	Retail	1	51.0	51.5	52.3	0.8	1.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.38			Auto Center Drive	Retail	1	62.2	62.7	63.1	0.4	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.39			Auto Center Drive	Retail	1	57.8	58.3	58.8	0.5	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.40			Auto Center Drive	Retail	1	59.6	60.0	60.7	0.7	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-5.41			Auto Center Drive	Retail	1	61.4	61.5	62.7	1.2	1.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.01	EW 6.1	NB 6.1	Park Center Lane	Basketball Court	1	63.1	63.4	64.2	0.8	1.1	C(67)	--	--	--	--	63.5	0.7	0	62.5	1.7	0	61.6	2.6	0	61.1	3.1	0	60.5	3.7	0	60.1	4.1	0	59.8	4.4	0	59.4	4.8	0
R-6.02	EW 6.1		Park Center Lane	Residential	1	53.7	54.0	55.3	1.3	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.03	EW 6.1		Park Center Lane	Residential	1	59.7	59.8	60.4	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.04	EW 6.1		Park Center Lane	Residential	2	56.4	56.5	59.1	2.6	2.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.05	EW 6.1		Park Center Lane	Residential	2	58.6	58.8	60.7	1.9	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.06	EW 6.1		Park Center Lane	Residential	2	53.6	53.7	55.2	1.5	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.07	EW 6.1		Park Center Lane	Residential	2	57.9	58.0	58.9	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.08	EW 6.1		Park Center Lane	Residential	2	51.5	51.7	52.7	1.0	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.09	EW 6.1		Park Center Lane	Residential	2	56.0	56.2	57.0	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.10	EW 6.1		Park Center Lane	Residential	1	55.3	55.4	56.5	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.11	EW 6.1		El Camino Real	Residential	1	59.9	60.0	60.6	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.12	EW 6.1		El Camino Real	Residential	2	51.5	51.6	54.6	3.0	3.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.13	EW 6.1		El Camino Real	Residential	2	55.2	55.4	57.4	2.0	2.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.14	EW 6.1		El Camino Real	Residential	2	51.8	52.1	53.3	1.2	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.15	EW 6.1		El Camino Real	Residential	2	56.5	56.7	57.6	0.9	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.16	EW 6.1		El Camino Real	Residential	1	54.8	55.0	55.6	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.17	EW 6.1		El Camino Real	Residential	1	63.2	63.3	64.2	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.18	EW 6.1		El Camino Real	Residential	1	53.4	53.6	54.6	1.0	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.19	EW 6.1		Tustin East Drive	Residential	1	61.5	61.6	63.3	1.7	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.20	EW 6.1		Tustin East Drive	Residential	2	51.5	51.7	52.8	1.1	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.21	EW 6.1		Park Center Lane	Residential	2	56.7	56.8	57.6	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.22	EW 6.1		Tustin East Drive	Residential	1	54.2	54.5	55.4	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.23	EW 6.1		Tustin East Drive	Residential	1	57.9	58.1	58.9	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.24	EW 6.1		Tustin East Drive	Residential	2	53.8	54.2	55.4	1.2	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.25	EW 6.1		Tustin East Drive	Residential	2	57.9	58.3	59.3	1.0	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.26	EW 6.1		Tustin East Drive	Residential	1	52.8	53.2	54.5	1.3	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.27	EW 6.1		Tustin East Drive	Residential	1	57.0	57.4	58.3	0.9	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.28	EW 6.1	NB 6.1	Tustin East Drive	Swimming Pool	1	53.9	54.3	55.5	1.2	1.6	C(67)	--	--	--	--	55.4	0.1	0	55.3	0.2	0	55.1	0.4	0	54.7	0.8	0	54.1	1.4	0	53.8	1.7	0	53.6	1.9	0	53.4	2.1	0
R-6.29	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	53.6	53.7	54.5	0.8	0.9	B(67)	--	--	--	--	54.4	0.1	0	54.0	0.5	0	53.4	1.1	0	52.6	1.9	0	51.9	2.6	0	51.4	3.1	0	50.6	3.9	0	50.2	4.3	0
R-6.30	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	64.8	64.8	**66.3**	1.5	1.5	B(67)	A/E	--	--	--	**66.1**	0.2	0	63.3	3.0	0	61.3	5.0	1	59.8	6.5	1	58.4	7.9	1	57.5	8.8	1	56.7	9.6	1	55.9	10.4	1
R-6.31	EW 6.1	NB 6.1	Tustin East Drive	Residential	2	51.1	51.7	53.3	1.6	2.2	B(67)	--	--	--	--	53.3	0.0	0	53.2	0.1	0	53.1	0.2	0	52.8	0.5	0	52.2	1.1	0	52.0	1.3	0	51.9	1.4	0	51.8	1.5	0
R-6.32	EW 6.1	NB 6.1	Park Center Lane	Residential	2	56.9	57.5	58.5	1.0	1.6	B(67)	--	--	--	--	58.4	0.1	0	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.1	0.4	0	57.5	1.0	0	57.1	1.4	0	56.9	1.6	0
R-6.33	EW 6.1	NB 6.1	Tustin East Drive	Residential	2	52.7	52.8	53.6	0.8	0.9	B(67)	--	--	--	--	53.3	0.3	0	52.4	1.2	0	51.6	2.0	0	50.8	2.8	0	50.2	3.4	0	49.8	3.8	0	49.3	4.3	0	49.0	4.6	0
R-6.34	EW 6.1	NB 6.1	Tustin East Drive	Residential	2	57.8	58.2	58.7	0.5	0.9	B(67)	--	--	--	--	58.5	0.2	0	57.9	0.8	0	57.8	0.9	0	57.8	0.9	0	57.6	1.1	0	56.8	1.9	0	56.5	2.2	0	56.1	2.6	0
R-6.35	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	55.4	55.5	56.5	1.0	1.1	B(67)	--	--	--	--	56.4	0.1	0	56.0	0.5	0	55.0	1.5	0	53.8	2.7	0	52.7	3.8	0	52.0	4.5	0	51.5	5.0	1	51.1	5.4	1
R-6.36	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	60.7	60.8	61.8	1.0	1.1	B(67)	--	--	--	--	61.5	0.3	0	60.9	0.9	0	59.5	2.3	0	57.8	4.0	0	56.4	5.4	1	55.6	6.2	1	54.9	6.9	1	54.6	7.2	1
R-6.37	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	54.8	55.0	55.9	0.9	1.1	B(67)	--	--	--	--	55.7	0.2	0	55.1	0.8	0	54.2	1.7	0	53.3	2.6	0	52.4	3.5	0	51.8	4.1	0	51.3	4.6	0	50.9	5.0	1
R-6.38	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	58.6	58.7	59.6	0.9	1.0	B(67)	--	--	--	--	59.5	0.1	0	58.8	0.8	0	57.8	1.8	0	57.0	2.6	0	55.6	4.0	0	54.6	5.0	1	53.9	5.7	1	53.8	5.8	1
R-6.39	EW 6.1	NB 6.1	Tustin East Drive	Residential	2	54.5	54.5	55.3	0.8	0.8	B(67)	--	--	--	--	55.2	0.1	0	54.5	0.8	0	52.9	2.4	0	51.2	4.1	0	50.3	5.0	2	49.6	5.7	2	49.1	6.2	2	48.7	6.6	2
R-6.40	EW 6.1	NB 6.1	Tustin East Drive	Residential	2	58.4	58.6	59.1	0.5	0.7	B(67)	--	--	--	--	58.8	0.3	0	58.0	1.1	0	57.3	1.8	0	56.9	2.2	0	56.7	2.4	0	55.8	3.3	0	55.1	4.0	0	54.6	4.5	0
R-6.41	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	50.5	51.7	52.7	1.0	2.2	B(67)	--	--	--	--	52.7	0.0	0	52.7	0.0	0	52.7	0.0	0	52.6	0.1	0	52.5	0.2	0	52.4	0.3	0	52.3	0.4	0	52.2	0.5	0
R-6.42	EW 6.1	NB 6.1	Tustin East Drive	Residential	1	56.2	57.2	57.9	0.7	1.7	B(67)	--	--	--	--	57.9	0.0	0	57.9	0.0	0	57.9	0.0	0	57.9	0.0	0	57.9	0.0	0	57.8	0.1	0	57.5	0.4	0	57.4	0.5	0
R-6.43	EW 6.1	NB 6.1	Park Center Lane	Residential	1	52.3	52.5	53.3	0.8	1.0	B(67)	--	--	--	--	53.1	0.2	0	52.3	1.0	0	51.6	1.7	0	51.0	2.3	0	50.5	2.8	0	50.1	3.2	0	49.8	3.5	0	49.6	3.7	0
R-6.44	EW 6.1	NB 6.1	El Camino Real	Residential	1	57.7	57.9	58.6	0.7	0.9	B(67)	--	--	--	--	58.4	0.2	0	57.7	0.9	0	57.1	1.5	0	56.9	1.7	0	56.2	2.4	0	55.2	3.4	0	54.4	4.2	0	54.0	4.6	0
R-6.45	EW 6.1	NB 6.1	El Camino Real	Residential	2	56.4	57.3	57.9	0.6	1.5	B(67)	--	--	--	--	57.8	0.1	0	57.7	0.2	0	57.3	0.6	0	56.9	1.0	0	56.6	1.3	0	56.3	1.6	0	56.2	1.7	0	56.1	1.8	0
R-6.46	EW 6.1	NB 6.1	El Camino Real	Residential	2	59.9	60.7	61.2	0.5	1.3	B(67)	--	--	--	--	61.2	0.0	0	61.1	0.1	0	60.8	0.4	0	60.5	0.7	0	60.2	1.0	0	59.9	1.3	0	59.7	1.5	0	60.2	1.0	0
R-6.47	EW 6.1	NB 6.1	El Camino Real	Residential	1	54.0	55.8	56.3	0.5	2.3	B(67)	--	--	--	--	56.3	0.0	0	56.3	0.0	0	56.3	0.0	0	56.3	0.0	0	56.3	0.0	0	56.3	0.0	0	56.2	0.1	0	56.2	0.1	0
R-6.48	EW 6.1	NB 6.1	El Camino Real	Residential	1	57.2	58.4	59.1	0.7	1.9	B(67)	--	--	--	--	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	59.1	0.0	0	58.8	0.3	0	58.6	0.5	0
R-6.49	EW 6.1	NB 6.1	El Camino Real	Residential	1	58.6	58.9	60.0	1.1	1.4	B(67)	--	--	--	--	59.9	0.1	0	59.5	0.5	0	58.8	1.2	0	58.0	2.0	0	57.5	2.5	0	57.1	2.9	0	56.8	3.2	0	56.5	3.5	0
R-6.50	EW 6.1	NB 6.1	El Camino Real	Residential	1	64.4	64.5	**66.2**	1.7	1.8	B(67)	A/E	--	--	--	65.6	0.6	0	63.4	2.8	0	61.8	4.4	0	60.2	6.0	1	59.1	7.1	1	58.1	8.1	1	57.2	9.0	1	56.7	9.5	1
R-6.51	EW 6.1	NB 6.1	El Camino Real	Residential	2	61.5	62.6	63.1	0.5	1.6	B(67)	--	--	--	--	63.0	0.1	0	62.8	0.3	0	62.6	0.5	0	62.3	0.8	0	62.2	0.9	0	62.0	1.1	0	61.9	1.2	0	61.9	1.2	0
R-6.52	EW 6.1	NB 6.1	El Camino Real	Residential	2	65.4	**66.0**	**66.7**	0.7	1.3	B(67)	A/E	--	--	--	**66.2**	0.5	0	65.5	1.2	0	65.0	1.7	0	64.6	2.1	0	64.3	2.4	0	64.1	2.6	0	63.8	2.9	0	63.7	3.0	0
R-6.53	EW 6.1	NB 6.1	El Camino Real	Residential	1	58.6	60.5	60.8	0.3	2.2	B(67)	--	--	--	--	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.8	0.0	0	60.7	0.1	0	60.7	0.1	0
R-6.54	EW 6.1	NB 6.1	Park Center Lane	Residential	1	59.5	60.9	61.3	0.4	1.8	B(67)	--	--	--	--	61.3	0.0	0	61.3	0.0	0	61.3	0.0	0	61.3	0.0	0	61.3	0.0	0	61.2	0.1	0	60.9	0.4	0	60.8	0.5	0
R-6.55	EW 6.1	NB 6.2	El Camino Real	Residential	1	63.5	63.7	64.7	1.0	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.3	2.4	0	62.1	2.6	0	62.0	2.7	0	61.9	2.8	0	61.9	2.8	0
R-6.56	EW 6.1		Cherokee	Residential	3	61.8	62.1	63.0	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.57	EW 6.1		Cherokee	Residential	3	59.2	59.6	60.3	0.7	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-6.58	EW 6.1		Cherokee	Residential	3	57.2	57.9	58.5	0.6	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.59	EW 6.1	NB 6.2	Arapahoe	Residential	1	58.5	58.6	59.6	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	59.6	0.0	0	59.6	0.0	0	59.6	0.0	0	59.6	0.0	0	59.6	0.0	0
R-6.60	EW 6.1		Arapahoe	Residential	2	56.7	56.9	58.0	1.1	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.61	EW 6.2	NB 6.2	El Camino Real	Residential	4	**72.5**	**73.1**	**73.9**	0.8	1.4	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**73.1**	0.8	0	**72.5**	1.4	0	**72.0**	1.9	0	**71.6**	2.3	0	**71.3**	2.6	0
R-6.62	EW 6.2	NB 6.2	El Camino Real	Residential	4	**77.6**	**77.9**	**78.7**	0.8	1.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**76.7**	2.0	0	**74.8**	3.9	0	**73.7**	5.0	4	**73.1**	5.6	4	**72.5**	6.2	4
R-6.63	EW 6.2	NB 6.2	El Camino Real	Residential	4	**77.2**	**77.5**	**78.2**	0.7	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**76.1**	2.1	0	**74.3**	3.9	0	**73.2**	5.0	4	**72.6**	5.6	4	**71.9**	6.3	4
R-6.64	EW 6.2	NB 6.2	El Camino Real	Residential	1	**66.4**	**66.7**	**67.5**	0.8	1.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**66.6**	0.9	0	**66.0**	1.5	0	65.8	1.7	0	65.6	1.9	0	**67.5**	0.0	0
R-6.65	EW 6.2	NB 6.2	Sierra Vista Drive	Residential	2	**70.6**	**70.7**	**71.4**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**71.0**	0.4	0	**70.8**	0.6	0	**70.6**	0.8	0	**70.5**	0.9	0	**66.8**	4.6	0
R-6.66	EW 6.2	NB 6.2	Sierra Vista Drive	Residential	2	**69.7**	**69.9**	**70.5**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**69.4**	1.1	0	**68.6**	1.9	0	**67.9**	2.6	0	**67.3**	3.2	0	65.8	4.7	0
R-6.67	EW 6.2	NB 6.2	Sierra Vista Drive	Residential	2	**68.4**	**68.6**	**69.4**	0.8	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**68.3**	1.1	0	**67.3**	2.1	0	**66.6**	2.8	0	**66.2**	3.2	0	65.4	4.0	0
R-6.68	EW 6.2	NB 6.2	Sierra Vista Drive	Residential	2	**67.9**	**68.1**	**68.8**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**67.8**	1.0	0	**66.9**	1.9	0	**66.1**	2.7	0	65.7	3.1	0	63.4	5.4	2
R-6.69	EW 6.2	NB 6.2	Sierra Vista Drive	Residential	1	65.3	65.5	**66.5**	1.0	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	65.1	1.4	0	64.3	2.2	0	63.7	2.8	0	63.5	3.0	0	64.0	2.5	0
R-6.70	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	65.6	65.7	**66.4**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	64.8	1.6	0	62.5	3.9	0	61.4	5.0	2	60.4	6.0	2	58.4	8.0	2
R-6.71	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	58.6	58.8	59.6	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.4	1.2	0	59.6	0.0	0	59.2	0.4	0	58.7	0.9	0	57.8	1.8	0
R-6.72	EW 6.2	NB 6.2	Tustin East Drive	Residential	3	58.6	58.7	59.7	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.5	0.2	0	59.4	0.3	0	58.8	0.9	0	58.3	1.4	0	56.6	3.1	0
R-6.73	EW 6.2	NB 6.2	Tustin East Drive	Residential	3	58.3	58.4	59.2	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.2	0.0	0	58.5	0.7	0	57.6	1.6	0	57.1	2.1	0	56.3	2.9	0
R-6.74	EW 6.2	NB 6.2	Tustin East Drive	Residential	3	57.5	57.6	58.5	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.3	0.2	0	57.6	0.9	0	57.1	1.4	0	56.7	1.8	0	57.8	0.7	0
R-6.75	EW 6.2	NB 6.2	Tustin East Drive	Residential	3	61.0	61.2	61.9	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.5	1.4	0	59.0	2.9	0	58.1	3.8	0	57.7	4.2	0	56.8	5.1	3
R-6.76	EW 6.2	NB 6.2	Tustin East Drive	Residential	3	58.9	59.0	59.7	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.7	1.0	0	57.7	2.0	0	57.1	2.6	0	57.2	2.5	0	59.7	0.0	0
R-6.77	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	**66.1**	**66.3**	**67.0**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	65.3	1.7	0	63.0	4.0	0	61.8	5.2	2	60.7	6.3	2	62.5	4.5	0
R-6.78	EW 6.2	NB 6.2	Tustin East Drive	Residential	4	64.5	64.7	65.5	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.2	2.3	0	64.4	1.1	0	63.7	1.8	0	63.1	2.4	0	62.0	3.5	0
R-6.79	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	**68.3**	**68.4**	**69.1**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**66.6**	2.5	0	64.7	4.4	0	63.6	5.5	2	62.6	6.5	2	53.5	15.6	2
R-6.80	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	57.6	57.7	58.5	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	57.2	1.3	0	56.0	2.5	0	54.7	3.8	0	54.0	4.5	0	57.3	1.2	0
R-6.81	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	62.2	62.3	63.0	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	61.2	1.8	0	59.5	3.5	0	58.4	4.6	0	57.7	5.3	2	57.7	5.3	2
R-6.82	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	61.6	61.7	62.4	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.7	1.7	0	59.2	3.2	0	58.1	4.3	0	57.4	5.0	2	54.7	7.7	2
R-6.83	EW 6.2	NB 6.2	Tustin East Drive	Residential	1	58.0	58.1	58.8	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.3	0.5	0	57.0	1.8	0	55.9	2.9	0	55.2	3.6	0	58.8	0.0	0
R-6.84	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	63.0	63.1	63.8	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.3	1.5	0	60.4	3.4	0	59.4	4.4	0	58.6	5.2	2	49.0	14.8	2
R-6.85	EW 6.2	NB 6.2	Tustin East Drive	Residential	3	50.3	50.5	51.6	1.1	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	51.0	0.6	0	50.5	1.1	0	49.9	1.7	0	49.4	2.2	0	51.2	0.4	0
R-6.86	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	52.6	52.7	53.7	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	53.3	0.4	0	52.7	1.0	0	52.1	1.6	0	51.6	2.1	0	53.7	0.0	0
R-6.87	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	56.9	57.1	57.8	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	57.1	0.7	0	56.0	1.8	0	54.9	2.9	0	54.3	3.5	0	52.1	5.7	2
R-6.88	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	54.9	55.0	55.9	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	54.8	1.1	0	53.9	2.0	0	52.9	3.0	0	52.4	3.5	0	55.9	0.0	0
R-6.89	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	64.3	64.5	65.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.6	1.5	0	61.8	3.3	0	60.9	4.2	0	60.1	5.0	0	59.2	5.9	2
R-6.90	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	61.6	61.7	62.3	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.8	1.5	0	59.5	2.8	0	58.7	3.6	0	57.9	4.4	0	56.8	5.5	2
R-6.91	EW 6.2	NB 6.2	Tustin East Drive	Swimming Pool	1	54.9	55.0	55.8	0.8	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	55.2	0.6	0	54.3	1.5	0	53.6	2.2	0	53.1	2.7	0	52.7	3.1	0
R-6.92	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	62.3	62.6	63.2	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.4	0.8	0	62.1	1.1	0	61.3	1.9	0	60.7	2.5	0	60.1	3.1	0
R-6.93	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	65.3	65.5	**66.2**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	64.9	1.3	0	62.8	3.4	0	61.8	4.4	0	60.9	5.3	2	60.2	6.0	2
R-6.94	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	58.3	58.5	59.2	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.2	0.0	0	58.2	1.0	0	57.3	1.9	0	56.6	2.6	0	56.0	3.2	0
R-6.95	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	62.7	62.8	63.5	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.2	1.3	0	60.4	3.1	0	59.4	4.1	0	58.6	4.9	0	57.8	5.7	2
R-6.96	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	58.8	58.9	59.5	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.5	1.0	0	57.5	2.0	0	56.7	2.8	0	56.0	3.5	0	55.4	4.1	0
R-6.97	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	61.1	61.2	62.0	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.8	1.2	0	59.1	2.9	0	58.1	3.9	0	57.4	4.6	0	56.7	5.3	2
R-6.98	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	61.9	62.1	62.9	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	61.5	1.4	0	60.4	2.5	0	59.6	3.3	0	59.1	3.8	0	58.7	4.2	0
R-6.99	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	59.4	59.5	60.4	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.3	2.1	0	57.1	3.3	0	56.1	4.3	0	55.6	4.8	0	55.2	5.2	2
R-6.100	EW 6.2	NB 6.2	El Camino Real	Residential	2	60.4	60.5	61.2	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.3	1.9	0	58.1	3.1	0	57.2	4.0	0	56.7	4.5	0	56.2	5.0	2
R-6.101	EW 6.2	NB 6.2	El Camino Real	Residential	2	59.4	59.5	60.3	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	57.4	2.9	0	56.2	4.1	0	55.5	4.8	0	54.9	5.4	2	54.5	5.8	2
R-6.102	EW 6.2	NB 6.2	El Camino Real	Residential	2	60.9	61.0	61.7	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.4	2.3	0	57.9	3.8	0	56.9	4.8	0	56.2	5.5	2	55.6	6.1	2
R-6.103	EW 6.2	NB 6.2	El Camino Real	Residential	2	58.5	58.7	59.4	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	57.7	1.7	0	56.8	2.6	0	56.0	3.4	0	55.3	4.1	0	53.9	5.5	2
R-6.104	EW 6.2	NB 6.2	El Camino Real	Residential	4	61.7	61.8	62.4	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.4	3.0	0	58.7	3.7	0	57.9	4.5	0	57.4	5.0	4	56.9	5.5	4
R-6.105	EW 6.2	NB 6.2	El Camino Real	Residential	2	62.2	62.3	63.1	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.5	3.6	0	58.6	4.5	0	57.8	5.3	2	57.3	5.8	2	56.8	6.3	2
R-6.106	EW 6.2	NB 6.2	El Camino Real	Residential	4	**66.9**	**67.0**	**67.7**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	63.1	4.6	0	61.7	6.0	4	60.8	6.9	4	60.3	7.4	4	59.8	7.9	4
R-6.107	EW 6.2	NB 6.2	El Camino Real	Residential	2	65.5	65.6	**66.5**	0.9	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	63.0	3.5	0	61.8	4.7	0	61.0	5.5	2	60.4	6.1	2	60.0	6.5	2
R-6.108	EW 6.2	NB 6.2	Tustin East Drive	Residential	4	49.4	49.5	50.5	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	49.5	1.0	0	49.0	1.5	0	48.5	2.0	0	48.1	2.4	0	47.7	2.8	0
R-6.109	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	47.3	47.4	48.5	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	47.6	0.9	0	47.1	1.4	0	46.6	1.9	0	46.1	2.4	0	45.8	2.7	0
R-6.110	EW 6.2	NB 6.2	Tustin East Drive	Residential	4	56.4	56.5	57.2	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	56.4	0.8	0	55.9	1.3	0	55.4	1.8	0	54.6	2.6	0	53.9	3.3	0
R-6.111	EW 6.2	NB 6.2	Tustin East Drive	Residential	2	56.0	56.1	56.9	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	56.2	0.7	0	55.7	1.2	0	55.1	1.8	0	54.2	2.7	0	53.5	3.4	0
R-6.112		NB 6.2	Tustin East Drive	Residential	2	64.0	64.1	64.9	0.8	0.9	B(67)	--	63.9	1.0	0	62.5	2.4	0	61.1	3.8	0	60.4	4.5	0	59.0	5.9	2	58.3	6.6	2	57.9	7.0	2	57.6	7.3	2	57.4	7.5	2
R-6.113		NB 6.2	Tustin East Drive	Residential	2	61.2	61.3	62.0	0.7	0.8	B(67)	--	61.8	0.2	0	60.6	1.4	0	59.6	2.4	0	59.0	3.0	0	57.9	4.1	0	57.4	4.6	0	57.2	4.8	0	57.6	4.4	0	57.7	4.3	0
R-6.114		NB 6.2	Tustin East Drive	Residential	2	61.7	61.8	62.6	0.8	0.9	B(67)	--	62.2	0.4	0	61.6	1.0	0	60.9	1.7	0	60.6	2.0	0	59.6	3.0	0	58.8	3.8	0	58.4	4.2	0	58.0	4.6	0	57.7	4.9	0
R-6.115		NB 6.2	Tustin East Drive	Residential	2	60.3	60.4	61.2	0.8	0.9	B(67)	--	60.5	0.7	0	59.4	1.8	0	58.4	2.8	0	57.8	3.4	0	56.4	4.8	0	55.5	5.7	2	55.0	6.2	2	54.6	6.6	2	54.3	6.9	2
R-6.116		NB 6.2	Tustin East Drive	Residential	2	60.9	61.0	61.7	0.7	0.8	B(67)	--	60.9	0.8	0	59.9	1.8	0	59.1	2.6	0	58.4	3.3	0	57.4	4.3	0	56.6	5.1	2	56.1	5.6	2	55.7	6.0	2	55.4	6.3	2
R-6.117		NB 6.2	Tustin East Drive	Residential	2	60.7	60.8	61.5	0.7	0.8	B(67)	--	60.3	1.2	0	59.2	2.3	0	58.4	3.1	0	57.3	4.2	0	56.5	5.0	2	55.9	5.6	2	55.4	6.1	2	55.1	6.4	2	54.7	6.8	2
R-6.118		NB 6.2	Tustin East Drive	Residential	2	62.0	62.1	62.8	0.7	0.8	B(67)	--	61.8	1.0	0	61.0	1.8	0	60.0	2.8	0	59.4	3.4	0	58.3	4.5	0	57.4	5.4	2	56.8	6.0	2	56.4	6.4	2	55.9	6.9	2
R-6.119		NB 6.2	Tustin East Drive	Residential	2	**68.0**	**68.0**	**68.7**	0.7	0.7	B(67)	A/E	**66.4**	2.3	0	64.8	3.9	0	63.8	4.9	0	62.6	6.1	2	61.1	7.6	2	60.0	8.7	2	59.3	9.4	2	58.7	10.0	2	58.3	10.4	2
R-6.120		NB 6.2	Tustin East Drive	Residential	4	62.2	62.3	62.9	0.6	0.7	B(67)	--	62.2	0.7	0	61.3	1.6	0	60.3	2.6	0	59.3	3.6	0	58.5	4.4	0	58.1	4.8	0	57.7	5.2	4	57.4	5.5	4	57.2	5.7	4
R-6.121		NB 6.2	Tustin East Drive	Residential	4	65.8	65.9	**66.7**	0.8	0.9	B(67)	A/E	65.3	1.4	0	64.0	2.7	0	63.1	3.6	0	62.3	4.4	0	61.3	5.4	4	60.7	6.0	4	60.2	6.5	4	59.9	6.8	4	59.7	7.0	4
R-6.122		NB 6.2	Tustin East Drive	Residential	3	49.8	49.9	50.9	1.0	1.1	B(67)	--	50.9	0.0	0	50.8	0.1	0	50.4	0.5	0	50.0	0.9	0	49.4	1.5	0	48.9	2.0	0	48.5	2.4	0	48.1	2.8	0	47.8	3.1	0

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																															
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																									
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-6.123		NB 6.2	Tustin East Drive	Residential	3	56.4	56.5	57.4	0.9	1.0	B(67)	--	57.4	0.0	0	57.4	0.0	0	57.1	0.3	0	56.6	0.8	0	56.2	1.2	0	55.8	1.6	0	55.2	2.2	0	54.2	3.2	0	53.6	3.8	0
R-6.124		NB 6.2	Tustin East Drive	Residential	3	49.2	49.3	50.2	0.9	1.0	B(67)	--	50.1	0.1	0	50.0	0.2	0	49.6	0.6	0	49.1	1.1	0	48.5	1.7	0	48.0	2.2	0	47.5	2.7	0	47.1	3.1	0	46.7	3.5	0
R-6.125		NB 6.2	Tustin East Drive	Residential	3	55.2	55.3	56.1	0.8	0.9	B(67)	--	56.1	0.0	0	56.1	0.0	0	55.8	0.3	0	55.4	0.7	0	54.9	1.2	0	54.5	1.6	0	54.0	2.1	0	53.6	2.5	0	53.1	3.0	0
R-6.126		NB 6.2	Tustin East Drive	Residential	2	64.7	64.8	64.9	0.1	0.2	B(67)	--	62.9	2.0	0	61.4	3.5	0	59.8	5.1	2	58.7	6.2	2	57.8	7.1	2	57.1	7.8	2	56.5	8.4	2	56.0	8.9	2	55.6	9.3	2
R-6.127		NB 6.2	Tustin East Drive	Residential	2	**66.0**	**66.0**	65.8	-0.2	-0.2	B(67)	--	63.3	2.5	0	61.9	3.9	0	60.9	4.9	0	58.9	6.9	2	57.9	7.9	2	56.9	8.9	2	56.0	9.8	2	55.5	10.3	2	55.4	10.4	2
R-6.128		NB 6.2	Tustin East Drive	Residential	4	58.5	58.5	59.1	0.6	0.6	B(67)	--	57.7	1.4	0	56.9	2.2	0	56.0	3.1	0	54.9	4.2	0	54.2	4.9	0	53.5	5.6	4	51.7	7.4	4	51.1	8.0	4	50.7	8.4	4
R-6.129		NB 6.2	Tustin East Drive	Residential	4	61.5	61.5	61.8	0.3	0.3	B(67)	--	60.5	1.3	0	59.4	2.4	0	58.6	3.2	0	57.4	4.4	0	56.6	5.2	4	56.3	5.5	4	55.5	6.3	4	55.0	6.8	4	55.2	6.6	4
R-6.130			Tustin East Drive	Swimming Pool	1	57.2	57.3	58.0	0.7	0.8	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.131			Tustin East Drive	Hotel	2	69.9	70.3	70.9	0.6	1.0	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.132			Tustin East Drive	Hotel	1	76.3	76.5	77.7	1.2	1.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.133			Tustin East Drive	Retail	1	63.9	63.9	64.8	0.9	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.134			Tustin East Drive	Retail	1	67.2	68.1	68.8	0.7	1.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.135			Tustin East Drive	Hotel	1	67.6	68.3	68.9	0.6	1.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.136			Tustin East Drive	Hotel	1	66.7	67.0	68.1	1.1	1.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.137			Tustin East Drive	Hotel	1	72.9	73.0	73.7	0.7	0.8	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.138			Tustin East Drive	Restaurant	1	67.0	67.4	68.2	0.8	1.2	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.139			Tustin East Drive	Restaurant	1	66.1	66.2	67.0	0.8	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-6.140			Tustin East Drive	Commercial	1	67.7	68.3	69.9	1.6	2.2	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.01	EW 7.1	NB 7.1	El Camino Real	Restaurant	1	63.9	64.4	64.5	0.1	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	64.4	0.1	0	64.4	0.1	0	64.3	0.2	0	64.3	0.2	0	64.2	0.3	0	64.2	0.3	0
R-7.02	EW 7.1		El Camino Real	Light Industrial	1	**70.7**	**71.2**	**71.4**	0.2	0.7	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.03	EW 7.2	NB 7.1	El Camino Real	Residential	1	**70.8**	**71.3**	**71.4**	0.1	0.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	**71.2**	0.2	0	**71.0**	0.4	0	**70.9**	0.5	0	**70.8**	0.6	0	**70.7**	0.7	0	**70.6**	0.8	0
R-7.04	EW 7.2	NB 7.1	El Camino Real	Residential	1	**70.5**	**71.1**	**71.2**	0.1	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**71.0**	0.2	0	**70.8**	0.4	0	**70.7**	0.5	0	**70.5**	0.7	0	**70.4**	0.8	0	**70.3**	0.9	0
R-7.05	EW 7.2	NB 7.1	El Camino Real	School - Sports Area	1	62.6	62.7	63.5	0.8	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	62.2	1.3	0	61.7	1.8	0	61.2	2.3	0	60.9	2.6	0	60.6	2.9	0	60.4	3.1	0
R-7.06	EW 7.2	NB 7.1	El Camino Real	School	1	**68.2** / 43.2	**68.7** / 43.7	**68.8** / 43.8	0.1	0.6	C(67)/D(52)	A/E	--	--	--	--	--	--	--	--	--	**68.4**	0.4	0	**68.1**	0.7	0	**67.8**	1.0	0	**67.6**	1.2	0	**67.4**	1.4	0	**67.3**	1.5	0
R-7.07	EW 7.2	NB 7.1	El Camino Real	School	1	65.5 / 40.5	65.7 / 40.7	**66.2** / 41.2	0.5	0.7	C(67)/D(52)	A/E	--	--	--	--	--	--	--	--	--	**65.0**	1.2	0	**64.5**	1.7	0	**64.1**	2.1	0	**63.7**	2.5	0	**63.4**	2.8	0	**63.1**	3.1	0
R-7.08	EW 7.2	NB 7.1	El Camino Real	School	1	65.2 / 40.2	65.4 / 40.4	65.9 / 40.9	0.5	0.7	D(52)	A/E	--	--	--	--	--	--	--	--	--	63.6	2.3	0	63.1	2.8	0	62.6	3.3	0	62.3	3.6	0	61.9	4.0	0	61.6	4.3	0
R-7.09			El Camino Real	Commercial	1	**70.4**	**70.5**	**70.5**	0.0	0.1	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.10		NB 7.1	El Camino Real	School	1	**71.8** / 46.8	**72.3** / 47.3	**72.4** / 47.4	0.1	0.6	C(67)/D(52)	A/E	**71.2**	1.2	0	**71.0**	1.4	0	**70.7**	1.7	0	**70.4**	2.0	0	**70.2**	2.2	0	**70.0**	2.4	0	**69.9**	2.5	0	**69.8**	2.6	0	**69.7**	2.7	0
R-7.11		NB 7.1	El Camino Real	Residential	1	66.3	66.5	67.0	0.5	0.7	B(67)	A/E	64.3	2.7	0	63.6	3.4	0	62.6	4.4	0	61.8	5.2	1	61.4	5.6	1	61.1	5.9	1	60.8	6.2	1	60.6	6.4	1	60.5	6.5	1
R-7.12			Newport Avenue	Vacant Land	1	71.0	71.1	71.9	0.8	0.9	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.13			Newport Avenue	Restaurant	1	72.6	73.1	76.1	3.0	3.5	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.14			El Camino Way	Commercial	1	**71.6**	**71.7**	**72.2**	0.5	0.6	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.15			Newport Avenue	Restaurant	1	67.3	67.6	69.8	2.2	2.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.16			El Camino Real	Retail	1	64.7	64.8	65.7	0.9	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.17			El Camino Real	Restaurant/Retail	1	61.8	61.9	62.3	0.4	0.5	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.18			South B Street	Office	1	71.7	71.8	71.2	-0.6	-0.5	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.19			South B Street	Light Industrial	1	72.8	72.9	72.0	-0.9	-0.8	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.20			West 6th Street	Light Industrial	1	**82.1**	**82.2**	**83.1**	0.9	1.0	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.21	EW 7.3*	NB 7.2	West 6th Street	After School Facility	1	**68.1** / 43.1	**68.2** / 43.2	**70.3** / 45.3	2.1	2.2	C(67)/D(52)	A/E	**76.7**	-6.4	0	**73.9**	-3.6	0	**71.6**	-1.3	0	**69.5**	0.8	0	**68.4**	1.9	0	**67.4**	2.9	0	**66.7**	3.6	0	65.9	4.4	0	65.2	5.1	1
R-7.22	EW 7.3*	NB 7.2	West 6th Street	Church	1	**68.9** / 43.9	**69** / 44	**81.7** / **56.7**	12.7	12.8	C(67)/D(52)	A/E	**75.9**	5.8	1	**73.7**	8.0	1	**71.6**	10.1	1	**69.8**	11.9	1	**68.6**	13.1	1	**67.6**	14.1	1	**66.8**	14.9	1	**66.0**	15.7	1	65.5	16.2	1
R-7.23	EW 7.3*	NB 7.2	Pacific Street	Residential	1	59.2	59.2	62.3	3.1	3.1	B(67)	--	61.7	0.6	0	61.0	1.3	0	60.5	1.8	0	60.1	2.2	0	59.2	3.1	0	58.8	3.5	0	58.6	3.7	0	58.3	4.0	0	58.1	4.2	0
R-7.24	EW 7.3*	NB 7.2	Pacific Street	Residential	1	59.8	59.8	64.8	5.0	5.0	B(67)	--	63.5	1.3	0	62.6	2.2	0	61.9	2.9	0	61.2	3.6	0	59.6	5.2	1	58.8	6.0	1	58.3	6.5	1	57.7	7.1	1	57.3	7.5	1
R-7.25	EW 7.3*	NB 7.2	West 6th Street	Residential	4	54.5	54.6	56.4	1.8	1.9	B(67)	--	56.1	0.3	0	55.7	0.7	0	55.3	1.1	0	55.1	1.3	0	54.7	1.7	0	54.5	1.9	0	54.3	2.1	0	54.2	2.2	0	54.1	2.3	0
R-7.26	EW 7.4*	NB 7.2	West 6th Street	Residential	4	53.9	54.0	55.8	1.8	1.9	B(67)	--	55.3	0.5	0	54.9	0.9	0	54.6	1.2	0	54.4	1.4	0	54.2	1.6	0	54.1	1.7	0	54.1	1.7	0	54.0	1.8	0	53.7	2.1	0
R-7.27	EW 7.4*	NB 7.2	West 6th Street	Residential	2	58.2	58.2	65.0	6.8	6.8	B(67)	--	62.2	2.8	0	61.2	3.8	0	60.6	4.4	0	59.8	5.2	2	58.3	6.7	2	57.4	7.6	2	56.8	8.2	2	56.3	8.7	2	55.9	9.1	2
R-7.28	EW 7.4*	NB 7.2	West 6th Street	Residential	2	55.4	55.5	59.8	4.3	4.4	B(67)	--	57.8	2.0	0	57.3	2.5	0	56.9	2.9	0	56.5	3.3	0	55.7	4.1	0	55.3	4.5	0	55.1	4.7	0	54.7	5.1	2	54.4	5.4	2
R-7.29	EW 7.4*	NB 7.2	West 6th Street	Residential	4	45.7	45.8	46.1	0.3	0.4	B(67)	--	46.1	0.0	0	46.1	0.0	0	46.1	0.0	0	46.1	0.0	0	46.1	0.0	0	46.1	0.0	0	46.0	0.1	0	45.8	0.3	0	45.5	0.6	0
R-7.30	EW 7.4*	NB 7.2	West 6th Street	Residential	4	47.2	47.4	47.5	0.1	0.3	B(67)	--	47.5	0.0	0	47.5	0.0	0	47.5	0.0	0	47.5	0.0	0	47.5	0.0	0	47.5	0.0	0	47.5	0.0	0	47.4	0.1	0	47.1	0.4	0
R-7.31	EW 7.4*	NB 7.2	West 6th Street	Residential	4	52.1	52.1	52.3	0.2	0.2	B(67)	--	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0	52.3	0.0	0
R-7.32	EW 7.4		West 6th Street	Residential	4	51.2	51.4	51.6	0.2	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.33	EW 7.4		West 6th Street	Residential	4	50.5	50.7	50.8	0.1	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.34	EW 7.4		West 6th Street	Residential	4	53.4	53.4	53.7	0.3	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.35	EW 7.4		West 6th Street	Residential	4	57.2	57.1	57.5	0.4	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.36	EW 7.4		West 6th Street	Residential	4	56.5	56.6	56.7	0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.37	EW 7.4		West 6th Street	Residential	4	56.5	56.6	56.7	0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.38	EW 7.4		West 6th Street	Residential	4	60.5	60.4	60.7	0.3	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.39	EW 7.4		West 6th Street	Residential	4	60.6	60.5	60.8	0.3	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.40	EW 7.4		West 6th Street	Residential	4	57.0	56.8	57.1	0.3	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.41	EW 7.4		West Main Street	Residential	4	59.0	59.1	59.2	0.1	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.42	EW 7.4		West Main Street	Residential	4	58.7	58.8	59.0	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.43	EW 7.4		West Main Street	Residential	4	58.3	58.3	58.5	0.2	0.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.44	EW 7.4		West Main Street	Residential	4	64.3	64.2	64.4	0.2	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.45	EW 7.4		West Main Street	Residential	4	64.1	64.0	64.2	0.2	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.46	EW 7.4		West Main Street	Residential	4	65.5	65.5	65.6	0.1	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.01			Spectrum Center Drive	Retail	1	63.8	63.3	63.8	0.5	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No. [1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$ [2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR) [6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq [2]	With Project, dBA Leq [2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC) [4]	Impact Type [5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-8.02			Spectrum Center Drive	Retail	1	67.6	67.6	67.5	-0.1	-0.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.03			Spectrum Center Drive	Retail	1	63.7	63.9	63.3	-0.6	-0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.04			Spectrum Center Drive	Parking Lot	1	65.7	66.1	70.1	4.0	4.4	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.05			Glen Bell Way	Office	1	63.3	63.7	64.4	0.7	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.06			Gateway	Office	1	67.8	68.2	68.8	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.07			Irvine Center Drive	Office	1	63.8	64.2	64.6	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.08			Irvine Center Drive	Office	1	64.8	65.2	65.2	0.0	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.09			Irvine Center Drive	Office	1	64.0	64.3	64.4	0.1	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.10			Irvine Center Drive	Office	1	59.9	60.1	59.8	-0.3	-0.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.11			Discovery	Office	1	64.1	64.3	64.2	-0.1	0.1	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.12			Discovery	Office	1	67.7	68.0	68.0	0.0	0.3	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.13			Discovery	Office	1	69.1	69.5	69.1	-0.4	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-8.14			Discovery	Vacant Land	1	70.7	71.1	71.1	0.0	0.4	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.01			Sand Canyon Avenue	Office	1	69.0	69.6	69.9	0.3	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.02			Sand Canyon Avenue	Hotel	1	69.6	70.1	70.5	0.4	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.03			Sand Canyon Avenue	Restaurant	1	69.7	70.2	70.3	0.1	0.6	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.04			Sand Canyon Avenue	Restaurant	1	69.8	70.4	70.8	0.4	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.05			Sand Canyon Avenue	Commercial	1	74.1	75.1	75.9	0.8	1.8	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.06			Burt Road	Vacant Land	1	67.1	67.6	68.6	1.0	1.5	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.07			Walnut Avenue	Vacant Land	1	67.1	67.7	68.4	0.7	1.3	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.08			Walnut Avenue	Golf Course	1	56.3	56.8	57.3	0.5	1.0	C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.09			Walnut Avenue	Golf Course	1	55.2	55.6	56.1	0.5	0.9	C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-9.10			Walnut Avenue	Parking Lot	1	70.3	70.8	**71.4**	0.6	1.1	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.01			Walnut Avenue	Restaurant	1	61.4	61.6	63.0	1.4	1.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.02			Walnut Avenue	Retail	1	58.0	58.2	59.4	1.2	1.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.03			Walnut Avenue	Restaurant	1	56.0	56.3	56.9	0.6	0.9	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.04			Walnut Avenue	Restaurant	1	56.0	56.7	57.8	1.1	1.8	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.05	EW 10.1		Topeka	Day Care Center	1	56.9 / 31.9	57.1 / 32.1	57.7 / 32.7	0.6	0.8	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.06	EW 10.1		Topeka	Day Care Center	1	60.3	60.5	61.6	1.1	1.3	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.07	EW 10.1		Austin	Residential	2	60.3	60.8	61.5	0.7	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.08	EW 10.1		Austin	Residential	2	64.4	64.9	65.6	0.7	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.09	EW 10.1		Austin	Residential	1	59.9	60.4	61.2	0.8	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.10	EW 10.1		Austin	Residential	1	60.5	60.9	61.7	0.8	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.11	EW 10.1		Austin	Residential	1	64.8	65.2	65.9	0.7	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.12	EW 10.1		Austin	Residential	2	60.6	61.0	61.4	0.4	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.13	EW 10.1		Austin	Residential	2	64.3	64.7	65.5	0.8	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.14	EW 10.1		Austin	Residential	2	58.4	58.8	59.7	0.9	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.15	EW 10.1		Austin	Residential	2	59.7	60.0	60.6	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.16	EW 10.1		Austin	Residential	1	60.3	60.6	61.6	1.0	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.17	EW 10.1		Austin	Residential	1	60.8	61.2	61.7	0.5	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.18	EW 10.1		Austin	Residential	3	55.5	55.9	56.5	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.19	EW 10.1		Austin	Residential	3	59.0	59.3	59.9	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.20	EW 10.1		Austin	Residential	2	59.4	59.7	60.3	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.21	EW 10.1		Austin	Residential	4	57.3	57.6	58.3	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.22	EW 10.1		Austin	Residential	2	62.1	62.4	63.0	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.23	EW 10.1		Austin	Residential	2	59.7	60.0	60.6	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.24	EW 10.1		Austin	Residential	2	64.7	64.9	65.5	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.25	EW 10.1		Austin	Residential	2	56.3	56.6	57.2	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.26	EW 10.1		Austin	Residential	2	60.1	60.4	60.9	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.27	EW 10.1		Austin	Residential	2	60.6	60.9	61.4	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.28	EW 10.1		Austin	Residential	4	57.2	57.5	58.0	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.29	EW 10.1		Austin	Residential	2	60.5	60.8	61.4	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.30	EW 10.1		Austin	Residential	2	58.5	58.7	59.3	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.31	EW 10.1		Austin	Residential	2	61.2	61.5	62.0	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.32	EW 10.1		Austin	Residential	1	60.0	60.3	60.9	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.33	EW 10.1		Austin	Residential	2	57.0	57.3	57.9	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.34	EW 10.1		Austin	Residential	2	62.2	62.4	62.9	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.35	EW 10.1		Austin	Residential	4	63.8	64.0	64.5	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.36	EW 10.1		Austin	Residential	4	60.4	60.6	61.2	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.37	EW 10.1		Austin	Residential	4	61.7	61.9	62.5	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.38	EW 10.1		Austin	Residential	4	62.4	62.6	63.2	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.39	EW 10.1		Austin	Residential	4	63.4	63.6	64.2	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.40	EW 10.1		Austin	Residential	4	63.8	64.0	64.5	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.41	EW 10.1		Austin	Residential	6	57.4	57.6	58.3	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.42	EW 10.1		Walnut Avenue	Residential	6	56.0	56.2	56.9	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																																
							2050 Noise Level						6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet					
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-10.43	EW 10.1		Walnut Avenue	Residential	6	51.4	51.7	52.3	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.44	EW 10.1		Walnut Avenue	Residential	3	58.9	59.1	59.7	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.45	EW 10.1		Walnut Avenue	Residential	4	59.2	59.5	60.1	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.46	EW 10.1		Walnut Avenue	Residential	6	61.3	61.5	62.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.47	EW 10.1		Walnut Avenue	Church	1	64.9 / 39.9	65.1 / 40.1	65.5 / 40.5	0.4	0.6	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.48	EW 10.1		Walnut Avenue	Church/School	1	55.3 / 30.3	55.6 / 30.6	56.3 / 31.3	0.7	1.0	C(67)/D(52)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.49	EW 10.1		Walnut Avenue	Church	1	64.5	64.6	65.2	0.6	0.7	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.50	EW 10.1		Raleigh	Residential	5	61.8	62.0	62.6	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.51	EW 10.1		Albany	Residential	3	51.8	52.1	52.7	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.52	EW 10.1		Albany	Residential	3	46.8	47.1	47.7	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.53	EW 10.1		Heritage	Residential	3	47.8	48.2	48.8	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.54	EW 10.1		Heritage	Residential	5	49.4	49.7	50.4	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.55	EW 10.1		Heritage	Residential	2	61.3	61.5	62.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.56	EW 10.1		Heritage	Residential	4	60.0	60.2	60.9	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.57	EW 10.1		Raleigh	Residential	3	60.6	60.8	61.5	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.58	EW 10.1		Raleigh	Residential	2	62.3	62.4	62.9	0.5	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.59	EW 10.1		Montgomery	Residential	3	61.0	61.2	61.9	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.60	EW 10.1		Montgomery	Residential	3	57.0	57.2	58.0	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.61	EW 10.1		Heritage	Residential	5	57.5	57.7	58.4	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.62	EW 10.1		Montgomery	Residential	3	58.0	58.1	58.9	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.63	EW 10.1		Montgomery	Residential	5	52.1	52.3	53.1	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.64	EW 10.1		Lincoln	Residential	5	61.1	61.3	61.9	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.65	EW 10.1		Lincoln	Residential	5	57.2	57.5	58.1	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.66	EW 10.1		Lincoln	Residential	5	62.1	62.3	62.9	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.67	EW 10.1		Lincoln	Residential	5	59.6	59.9	60.6	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.68	EW 10.1		Helena	Residential	5	62.3	62.5	63.0	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.69	EW 10.1		Helena	Residential	5	59.3	59.5	60.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.70	EW 10.1		Helena	Residential	5	61.7	61.9	62.6	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.71	EW 10.1		Baton Rouge	Residential	5	51.9	52.1	52.8	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.72	EW 10.1		Baton Rouge	Residential	5	51.4	51.6	52.3	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.73	EW 10.1		Helena	Residential	5	62.0	62.2	62.9	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.74	EW 10.1		Cheyenne	Residential	5	60.6	60.8	61.4	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.75	EW 10.1		Bismark	Residential	5	47.9	48.2	48.9	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.76	EW 10.1		Heritage	Residential	5	47.9	48.2	48.9	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.77	EW 10.1		Cheyenne	Residential	5	59.4	59.6	60.3	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.78	EW 10.1		Cheyenne	Residential	5	58.8	59.0	59.5	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.79	EW 10.1		Cheyenne	Residential	5	61.7	61.9	62.3	0.4	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.80	EW 10.1		Denver	Residential	4	53.8	54.1	54.8	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-10.81	EW 10.1		Denver	Residential	5	**52.6**	**52.8**	**53.7**	0.9	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.01	EW 11.1		Yale Avenue	Institution	1	60.8 / 35.8	61.3 / 36.3	62.5 / 37.5	1.2	1.7	D(52)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.02	EW 11.1		Yale Avenue	Community Center	1	63.1 / 38.1	63.4 / 38.4	64.4 / 39.4	1.0	1.3	D(52)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.03	EW 11.1		Yale Avenue	Park - Playground	1	63.6	63.9	64.8	0.9	1.2	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.04	EW 11.1		Yale Avenue	Park - Basketball	1	61.9	62.1	63.6	1.5	1.7	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.05	EW 11.1		Yale Avenue	Park - Baseball	1	64.0	64.3	65.5	1.2	1.5	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.06	EW 11.1		Yale Avenue	Park - Tennis Courts	1	62.8	63.1	64.8	1.7	2.0	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.07	EW 11.1		Yale Avenue	Park - Baseball	1	60.0	60.3	62.0	1.7	2.0	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.08			Walnut Avenue	School - Sports Area	1	54.6	54.8	56.1	1.3	1.5	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.09			Walnut Avenue	Park - Baseball	1	53.5	53.8	55.8	2.0	2.3	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.10	EW 11.2*	NB 11.2	Orangetip	Residential	1	64.4	64.6	**66.2**	1.6	1.8	B(67)	A/E	65.4	0.8	0	64.7	1.5	0	64.2	2.0	0	63.9	2.3	0	63.6	2.6	0	63.4	2.8	0	63.2	3.0	0	63.1	3.1	0	63.0	3.2	0
R-11.11	EW 11.2*	NB 11.2	Orangetip	Residential	2	62.1	62.4	**66.0**	3.6	3.9	B(67)	A/E	64.0	2.0	0	63.1	2.9	0	62.7	3.3	0	62.5	3.5	0	62.2	3.8	0	62.1	3.9	0	61.9	4.1	0	61.8	4.2	0	61.7	4.3	0
R-11.12	EW 11.2*	NB 11.2	Orangetip	Residential	2	61.1	61.4	64.4	3.0	3.3	B(67)	--	62.9	1.5	0	62.2	2.2	0	61.7	2.7	0	61.4	3.0	0	61.2	3.2	0	61.0	3.4	0	60.9	3.5	0	60.8	3.6	0	60.7	3.7	0
R-11.13	EW 11.2*	NB 11.2	Orangetip	Residential	3	59.5	59.8	63.0	3.2	3.5	B(67)	--	61.2	1.8	0	60.2	2.8	0	59.6	3.4	0	59.2	3.8	0	58.9	4.1	0	58.6	4.4	0	58.5	4.5	0	58.3	4.7	0	58.2	4.8	0
R-11.14	EW 11.2*	NB 11.2	Orangetip	Residential	6	59.3	59.5	61.8	2.3	2.5	B(67)	--	60.5	1.3	0	59.9	1.9	0	59.5	2.3	0	59.2	2.6	0	59.0	2.8	0	58.8	3.0	0	58.7	3.1	0	58.7	3.1	0	58.6	3.2	0
R-11.15	EW 11.2*	NB 11.2	Bird Wing	Residential	1	60.8	61.1	63.7	2.6	2.9	B(67)	--	59.9	3.8	0	59.1	4.6	0	58.2	5.5	1	57.4	6.3	1	56.8	6.9	1	56.3	7.4	1	55.9	7.8	1	55.5	8.2	1	55.1	8.6	1
R-11.16	EW 11.2*	NB 11.2	Bird Wing	Residential	1	63.6	63.8	64.1	0.3	0.5	B(67)	--	62.2	1.9	0	61.4	2.7	0	60.9	3.2	0	60.3	3.8	0	59.8	4.3	0	59.5	4.6	0	59.1	5.0	0	58.9	5.2	1	58.6	5.5	1
R-11.17	EW 11.3	NB 11.2	Bird Wing	Residential	2	63.6	63.9	64.5	0.6	0.9	B(67)	--	62.3	2.2	0	60.8	3.7	0	59.8	4.7	0	58.8	5.7	2	58.1	6.4	2	57.4	7.1	2	56.9	7.6	2	56.5	8.0	2	56.2	8.3	2
R-11.18	EW 11.2*	NB 11.2	Bird Wing	Residential	2	62.7	63.0	65.5	2.5	2.8	B(67)	--	63.8	1.7	0	62.8	2.7	0	62.1	3.4	0	61.5	4.0	0	61.0	4.5	0	60.7	4.8	0	60.4	5.1	2	60.4	5.1	2	60.1	5.4	2
R-11.19	EW 11.3	NB 11.2	Skipper	Residential	1	57.9	58.2	58.5	0.3	0.6	B(67)	--	56.7	1.8	0	56.0	2.5	0	55.4	3.1	0	54.7	3.8	0	54.1	4.4	0	53.8	4.7	0	53.5	5.0	1	53.3	5.2	1	53.1	5.4	1
R-11.20	EW 11.3	NB 11.2	Skipper	Residential	1	63.6	63.8	63.6	-0.2	0.0	B(67)	--	62.6	1.0	0	62.2	1.4	0	61.5	2.1	0	60.6	3.0	0	59.7	3.9	0	59.0	4.6	0	58.4	5.2	1	58.0	5.6	1	57.5	6.1	1
R-11.21	EW 11.3	NB 11.2	Skipper	Residential	1	62.6	62.8	62.9	0.1	0.3	B(67)	--	62.1	0.8	0	61.8	1.1	0	61.4	1.5	0	60.8	2.1	0	59.8	3.1	0	59.1	3.8	0	58.5	4.4	0	58.1	4.8	0	57.7	5.2	1
R-11.22	EW 11.3	NB 11.2	Skipper	Tennis Courts	1	67.3	67.5	66.8	-0.7	-0.5	C(67)	A/E	63.9	2.9	0	63.3	3.5	0	62.7	4.1	0	62.1	4.7	0	61.5	5.3	1	61.1	5.7	1	60.7	6.1	1	60.4	6.4	1	60.1	6.7	1
R-11.23			Culver Drive	Restaurant	1	62.9	63.1	62.9	-0.2	0.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-11.24			Culver Drive	Restaurant	1	**66.6**	**66.7**	**67.5**	0.8	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.01	EW 12.1	NB 12.1	Moore Court	Residential	1	**66.1**	**66.2**	**68.3**	2.1	2.2	B(67)	A/E	**67.1**	1.2	0	65.6	2.7	0	64.3	4.0	0	63.2	5.1	1	62.1	6.2	1	61.3	7.0	1	60.7	7.6	1	60.3	8.0	1	59.9	8.4	1
R-12.02	EW 12.1	NB 12.1	Moore Court	Residential	3	**66.8**	**67.0**	**68.1**	1.1	1.3	B(67)	A/E	**66.8**	1.3	0	65.2	2.9	0	63.8	4.3	0	62.7	5.4	3	62.0	6.1	3	61.4	6.7	3	60.9	7.2	3	60.5	7.6	3	60.2	7.9	3

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-12.03	EW 12.1	NB 12.1	Moore Court	Residential	3	**68.0**	**68.2**	**69.5**	1.3	1.5	B(67)	A/E	**68.2**	1.3	0	**66.5**	3.0	0	65.6	3.9	0	64.6	4.9	0	63.5	6.0	3	62.8	6.7	3	62.1	7.4	3	61.7	7.8	3	61.3	8.2	3
R-12.04	EW 12.1		Moore Court	Residential	2	64.9	65.2	65.8	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.05	EW 12.1		Moore Court	Residential	4	62.8	63.1	63.5	0.4	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.06	EW 12.1		Saarinen Avenue	Residential	3	63.3	63.6	64.4	0.8	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.07	EW 12.1		Saarinen Avenue	Residential	2	61.2	61.5	63.0	1.5	1.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.08	EW 12.1		Picasso Court	Residential	1	60.5	60.8	61.8	1.0	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.09	EW 12.1		Picasso Court	Residential	2	60.0	60.3	60.8	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.10	EW 12.2		Picasso Court	Residential	1	62.1	62.4	63.2	0.8	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.11	EW 12.2		Chagall Avenue	Residential	3	61.5	61.8	62.7	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.12	EW 12.2		Chagall Avenue	Residential	3	60.5	60.8	61.5	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.13	EW 12.2	NB 12.2	Chagall Avenue	Residential	2	**68.7**	**69.0**	**69.9**	0.9	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**69.9**	0.0	0	**69.5**	0.4	0	**68.6**	1.3	0	**68.0**	1.9	0	**67.4**	2.5	0
R-12.14	EW 12.2	NB 12.2	Chagall Avenue	Residential	2	**67.9**	**68.3**	**69.0**	0.7	1.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**68.7**	0.3	0	**68.2**	0.8	0	**67.4**	1.6	0	**66.7**	2.3	0	**66.1**	2.9	0
R-12.15	EW 12.3	NB 12.2	Nebraska	Residential	3	**68.2**	**68.5**	**69.1**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.8**	1.3	0	**67.2**	1.9	0	**66.7**	2.4	0	**66.3**	2.8	0
R-12.16	EW 12.3	NB 12.2	Nebraska	Residential	5	**66.0**	**66.3**	**66.9**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.4**	0.5	0	**66.0**	0.9	0	65.6	1.3	0	65.3	1.6	0
R-12.17	EW 12.3	NB 12.2	Nebraska	Residential	4	**66.8**	**67.1**	**67.8**	0.7	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.3**	0.5	0	**66.8**	1.0	0	**66.3**	1.5	0	**66.0**	1.8	0
R-12.18	EW 12.3	NB 12.2	Nebraska	Residential	4	**67.3**	**67.7**	**68.3**	0.6	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.9**	0.4	0	**67.2**	1.1	0	**66.6**	1.7	0	**66.1**	2.2	0
R-12.19	EW 12.3	NB 12.2	Iowa	Residential	4	**67.3**	**67.6**	**68.2**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**68.0**	0.2	0	**67.2**	1.0	0	**66.6**	1.6	0	**66.1**	2.1	0
R-12.20	EW 12.3	NB 12.2	Iowa	Residential	4	**66.8**	**67.1**	**67.7**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.5**	0.2	0	**66.9**	0.8	0	**66.4**	1.3	0	**66.0**	1.7	0
R-12.21	EW 12.3	NB 12.2	Iowa	Residential	4	**66.8**	**67.1**	**67.7**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.4**	0.3	0	**66.8**	0.9	0	**66.3**	1.4	0	**66.0**	1.7	0
R-12.22	EW 12.3	NB 12.2	Utah	Residential	4	**66.3**	**66.7**	**67.2**	0.5	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67.0**	0.2	0	**66.4**	0.8	0	**66.0**	1.2	0	65.6	1.6	0
R-12.23	EW 12.3	NB 12.2	Utah	Residential	4	65.9	**66.2**	**66.9**	0.7	1.0	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.6**	0.3	0	**66.1**	0.8	0	65.7	1.2	0	65.3	1.6	0
R-12.24	EW 12.3	NB 12.2	Utah	Residential	4	65.7	**66.0**	**66.6**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.4**	0.2	0	**66.0**	0.6	0	65.6	1.0	0	65.2	1.4	0
R-12.25	EW 12.3	NB 12.2	Utah	Residential	4	**66.0**	**66.3**	**66.9**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**66.7**	0.2	0	**66.3**	0.6	0	65.9	1.0	0	65.5	1.4	0
R-12.26	EW 12.4	NB 12.2	Minnesota	Residential	2	65.7	**66.0**	**66.6**	0.6	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.9	0.7	0	65.4	1.2	0
R-12.27	EW 12.4	NB 12.2	Minnesota	Residential	2	64.7	65.0	65.6	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.2	0.4	0	64.6	1.0	0
R-12.28	EW 12.4	NB 12.2	Minnesota	Residential	2	64.0	64.3	64.9	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64.4	0.5	0	63.9	1.0	0
R-12.29	EW 12.4	NB 12.2	Minnesota	Residential	2	63.1	63.4	64.0	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63.5	0.5	0	63.0	1.0	0
R-12.30	EW 12.4		New Jersey	Residential	4	64.7	65.0	65.5	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.31	EW 12.4		New Jersey	Residential	4	63.4	63.7	64.3	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.32	EW 12.4		New Jersey	Residential	4	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.33	EW 12.4		New Jersey	Residential	4	64.7	64.9	65.8	0.9	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.34	EW 12.4		New Jersey	Residential	4	64.6	64.9	65.8	0.9	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.35	EW 12.4		New Jersey	Residential	4	64.5	64.8	65.5	0.7	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.36	EW 12.4		New Jersey	Residential	5	65.0	65.3	65.8	0.5	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.37			Peters Canyon Road	Office	1	76.3	76.5	77.0	0.5	0.7	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.38			Jamboree Road	Office	1	76.3	76.6	76.6	0.0	0.3	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.39			Michelle Drive	Office	1	55.5	56.1	57.0	0.9	1.5	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.40			Michelle Drive	Office	1	60.4	60.8	61.4	0.6	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.41			Michelle Drive	Office	1	61.6	62.0	62.4	0.4	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.42			Michelle Drive	Light Industrial	1	69.2	69.9	69.7	-0.2	0.5	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.43			Michelle Drive	Office	1	65.9	66.4	66.7	0.3	0.8	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-12.44			Michelle Drive	Office	1	**67.2**	**67.5**	**68.2**	0.7	1.0	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.01	EW 13.1		Fuschia Road	Residential	1	50.4	50.5	53.1	2.6	2.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.02	EW 13.1		Fuschia Road	Residential	2	50.8	51.0	53.4	2.4	2.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.03	EW 13.1		Fuschia Road	Residential	1	49.1	49.3	50.8	1.5	1.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.04	EW 13.1		Fuschia Road	Residential	1	49.4	49.5	50.7	1.2	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.05	EW 13.1		Fuschia Road	Residential	1	50.5	50.7	52.6	1.9	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.06	EW 13.1		Fuschia Road	Residential	2	48.5	48.6	50.0	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.07	EW 13.1		Fuschia Road	Residential	1	50.4	50.5	52.9	2.4	2.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.08	EW 13.1		Fuschia Road	Residential	2	51.6	51.7	53.7	2.0	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.09	EW 13.1		Fuschia Road	Residential	2	50.2	50.3	52.2	1.9	2.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.10	EW 13.1		Fuschia Road	Residential	2	52.7	52.8	54.6	1.8	1.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.11	EW 13.1		Nisson Road	Residential	4	50.8	50.9	52.8	1.9	2.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.12	EW 13.1		Nisson Road	Residential	4	52.7	52.8	54.2	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.13	EW 13.1		Nisson Road	Residential	1	51.4	51.5	52.9	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.14	EW 13.1		Nisson Road	Residential	2	51.8	52.0	53.2	1.2	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.15	EW 13.1		Nisson Road	Residential	1	50.9	51.0	52.1	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.16	EW 13.1		Nisson Road	Residential	2	48.9	49.1	49.8	0.7	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.17	EW 13.1		Nisson Road	Residential	1	53.4	53.5	54.5	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.18	EW 13.1		Nisson Road	Residential	3	50.0	50.2	51.4	1.2	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.19	EW 13.1		Nisson Road	Residential	3	50.9	51.0	52.2	1.2	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.20	EW 13.1		Nisson Road	Residential	1	51.2	51.3	52.8	1.5	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.21	EW 13.1		Fuschia Road	Residential	1	50.4	50.5	51.6	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.22	EW 13.1		Nisson Road	Residential	1	51.1	51.2	52.6	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.23	EW 13.1		Nisson Road	Residential	1	51.1	51.2	52.5	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																												
							2050 Noise Level						6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-13.24	EW 13.1		Nisson Road	Residential	1	50.6	50.7	52.0	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.25	EW 13.1		Nisson Road	Residential	2	51.4	51.5	52.7	1.2	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.26	EW 13.1		Nisson Road	Residential	1	53.9	54.0	55.0	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.27	EW 13.1		Nisson Road	Residential	2	48.8	48.9	50.4	1.5	1.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.28	EW 13.1		Nisson Road	Residential	2	53.5	53.6	54.7	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.29	EW 13.1		Nisson Road	Residential	1	54.1	54.2	55.2	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.30	EW 13.1		Nisson Road	Residential	1	50.3	50.4	51.8	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.31	EW 13.1		Nisson Road	Residential	4	56.5	56.5	57.5	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.32	EW 13.2		Conifer Lane	Residential	1	58.1	58.2	59.1	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.33	EW 13.1		Nisson Road	Residential	2	51.9	52.0	52.7	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.34	EW 13.1		Nisson Road	Residential	2	55.7	55.8	56.7	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.35	EW 13.2		Nisson Road	Residential	1	56.7	56.8	57.7	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.36	EW 13.1		Nisson Road	Residential	2	55.9	55.9	56.9	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.37	EW 13.1		Nisson Road	Residential	1	55.2	55.3	56.3	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.38	EW 13.2		Nisson Road	Residential	1	59.7	59.8	60.7	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.39	EW 13.2		Nisson Road	Residential	2	56.3	56.4	57.3	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.40	EW 13.2		Nisson Road	Residential	1	55.9	55.9	56.8	0.9	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.41	EW 13.2		Nisson Road	Residential	2	58.1	58.1	58.8	0.7	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.42	EW 13.2		Nisson Road	Residential	1	60.7	60.8	61.7	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.43	EW 13.2		Juniper Road	Residential	2	60.5	60.6	61.5	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.44	EW 13.2		Nisson Road	Residential	1	59.6	59.6	60.5	0.9	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.45	EW 13.2		Nisson Road	Residential	2	52.7	52.8	53.2	0.4	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.46	EW 13.2		Nisson Road	Residential	1	62.0	62.1	62.9	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.47	EW 13.2		Nisson Road	Residential	2	58.1	58.2	58.9	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.48	EW 13.2		Nisson Road	Residential	1	57.7	57.7	58.5	0.8	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.49	EW 13.2		Nisson Road	Residential	2	58.6	58.6	59.6	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.50	EW 13.2		Nisson Road	Residential	1	57.3	57.4	58.1	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.51	EW 13.2		Nisson Road	Residential	2	57.9	58.0	58.9	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.52	EW 13.2		Nisson Road	Residential	1	56.9	57.0	57.9	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.53	EW 13.2		Nisson Road	Residential	2	57.9	57.9	58.9	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.54	EW 13.2		Raintree Road	Residential	1	56.4	56.4	57.4	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.55	EW 13.2		Nisson Road	Residential	2	57.0	57.1	58.0	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.56	EW 13.2		Nisson Road	Residential	1	56.8	56.8	57.8	1.0	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.57	EW 13.2		Nisson Road	Residential	2	57.2	57.3	58.2	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.58	EW 13.2	NB 13.1	Red Hill Avenue	Residential	4	**77.0**	**77.1**	**77.9**	0.8	0.9	B(67)	A/E	--	--	--	--	--	--	**77.5**	0.4	0	**75.9**	2.0	0	**74.8**	3.1	0	**73.7**	4.2	0	**73.0**	4.9	0	**72.1**	5.8	4	**71.5**	6.4	4
R-13.59	EW 13.2	NB 13.1	Red Hill Avenue	Residential	4	**77.1**	**77.2**	**78.1**	0.9	1.0	B(67)	A/E	--	--	--	--	--	--	**77.6**	0.5	0	**76.0**	2.1	0	**74.9**	3.2	0	**73.8**	4.3	0	**73.0**	5.1	4	**72.3**	5.8	4	**71.5**	6.6	4
R-13.60	EW 13.2	NB 13.1	Juniper Road	Residential	4	**77.3**	**77.5**	**78.2**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	**77.8**	0.4	0	**76.2**	2.0	0	**75.0**	3.2	0	**74.0**	4.2	0	**73.2**	5.0	4	**72.4**	5.8	4	**71.8**	6.4	4
R-13.61	EW 13.2	NB 13.1	Juniper Road	Residential	3	**74.7**	**74.8**	**75.5**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	**75.5**	0.0	0	**75.5**	0.0	0	**74.9**	0.6	0	**73.8**	1.7	0	**73.0**	2.5	0	**72.3**	3.2	0	**71.5**	4.0	0
R-13.62	EW 13.2	NB 13.1	Juniper Road	Residential	4	**74.9**	**75.0**	**76.0**	1.0	1.1	B(67)	A/E	--	--	--	--	--	--	**75.8**	0.2	0	**74.0**	2.0	0	**73.0**	3.0	0	**72.3**	3.7	0	**71.6**	4.4	0	**71.1**	4.9	0	**70.6**	5.4	4
R-13.63	EW 13.2	NB 13.1	Juniper Road	Residential	4	**74.7**	**74.8**	**75.6**	0.8	0.9	B(67)	A/E	--	--	--	--	--	--	**75.3**	0.3	0	**73.6**	2.0	0	**72.2**	3.4	0	**71.3**	4.3	0	**70.6**	5.0	4	**69.9**	5.7	4	**69.3**	6.3	4
R-13.64	EW 13.2	NB 13.1	Juniper Road	Residential	4	**73.5**	**73.7**	**74.4**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	**74.4**	0.0	0	**73.1**	1.3	0	**71.6**	2.8	0	**70.8**	3.6	0	**70.1**	4.3	0	**69.3**	5.1	4	**68.8**	5.6	4
R-13.65	EW 13.2	NB 13.1	Juniper Road	Residential	2	**71.9**	**72.1**	**72.8**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	**72.8**	0.0	0	**72.5**	0.3	0	**71.2**	1.6	0	**70.4**	2.4	0	**69.7**	3.1	0	**69.1**	3.7	0	**68.5**	4.3	0
R-13.66	EW 13.3	NB 13.1	Juniper Road	Residential	1	62.6	62.7	63.4	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	63.4	0.0	0	62.4	1.0	0	61.4	2.0	0	60.5	2.9	0	59.8	3.6	0	59.1	4.3	0
R-13.67	EW 13.3	NB 13.1	Juniper Road	Residential	2	**71.4**	**71.6**	**72.3**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	**72.3**	0.0	0	**70.9**	1.4	0	**68.2**	4.1	0	**66.7**	5.6	2	65.3	7.0	2	64.3	8.0	2
R-13.68	EW 13.3	NB 13.1	Juniper Road	Residential	2	65.8	65.9	**66.6**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.6**	0.0	0	65.8	0.8	0	64.9	1.7	0	64.1	2.5	0	63.4	3.2	0	62.8	3.8	0
R-13.69	EW 13.3	NB 13.1	Juniper Road	Residential	1	**70.5**	**70.7**	**71.4**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	**71.4**	0.0	0	**69.4**	2.0	0	**67.5**	3.9	0	65.8	5.6	1	64.8	6.6	1	63.7	7.7	1
R-13.70	EW 13.3	NB 13.1	Juniper Road	Residential	2	65.9	**66.0**	**66.7**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.7**	0.0	0	65.9	0.8	0	64.9	1.8	0	64.1	2.6	0	63.4	3.3	0	62.8	3.9	0
R-13.71	EW 13.3	NB 13.1	Barberry Road	Residential	3	**66.8**	**66.9**	**66.9**	0.0	0.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.9**	0.0	0	**66.1**	0.8	0	65.3	1.6	0	64.6	2.3	0	63.9	3.0	0	63.4	3.5	0
R-13.72	EW 13.3	NB 13.1	Barberry Road	Residential	1	53.1	53.2	54.1	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	54.1	0.0	0	53.2	0.9	0	52.1	2.0	0	50.7	3.4	0	49.8	4.3	0	49.1	5.0	1
R-13.73	EW 13.3	NB 13.1	Barberry Road	Residential	1	64.5	64.6	65.4	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	65.4	0.0	0	64.4	1.0	0	62.6	2.8	0	61.2	4.2	0	60.1	5.3	1	59.2	6.2	1
R-13.74	EW 13.3	NB 13.1	Barberry Road	Residential	2	59.2	59.3	60.2	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	60.2	0.0	0	59.5	0.7	0	58.5	1.7	0	57.5	2.7	0	56.8	3.4	0	56.2	4.0	0
R-13.75	EW 13.3	NB 13.1	Barberry Road	Residential	3	61.7	61.8	62.6	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	62.2	0.4	0	61.2	1.4	0	60.0	2.6	0	58.3	4.3	0	57.2	5.4	3	57.3	5.3	3
R-13.76	EW 13.3	NB 13.1	Barberry Road	Residential	3	64.1	64.2	65.0	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	65.0	0.0	0	63.9	1.1	0	62.4	2.6	0	61.3	3.7	0	60.3	4.7	0	60.1	4.9	0
R-13.77	EW 13.3	NB 13.1	Barberry Road	Residential	3	53.0	53.1	54.0	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	54.0	0.0	0	53.3	0.7	0	52.6	1.4	0	51.9	2.1	0	50.2	3.8	0	49.4	4.6	0
R-13.78	EW 13.3	NB 13.1	Barberry Road	Residential	2	63.0	63.0	64.3	1.3	1.3	B(67)	--	--	--	--	--	--	--	--	--	--	63.4	0.9	0	61.9	2.4	0	60.8	3.5	0	59.4	4.9	0	58.5	5.8	2	57.6	6.7	2
R-13.79	EW 13.3	NB 13.1	Barberry Road	Residential	4	64.7	64.8	**66.0**	1.2	1.3	B(67)	A/E	--	--	--	--	--	--	--	--	--	64.5	1.5	0	63.1	2.9	0	62.0	4.0	0	60.6	5.4	4	59.8	6.2	4	59.2	6.8	4
R-13.80	EW 13.3	NB 13.1	Barberry Road	Residential	2	63.8	63.9	64.7	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	64.2	0.5	0	62.5	2.2	0	61.2	3.5	0	59.9	4.8	0	59.2	5.5	2	58.6	6.1	2
R-13.81	EW 13.3	NB 13.1	Barberry Road	Residential	4	**68.3**	**68.5**	**69.1**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**69.1**	0.0	0	**68.3**	0.8	0	**67.3**	1.8	0	**66.4**	2.7	0	65.7	3.4	0	65.0	4.1	0
R-13.82	EW 13.3	NB 13.1	Barberry Road	Residential	4	**68.0**	**68.2**	**68.8**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.8**	0.0	0	**68.0**	0.8	0	**67.0**	1.8	0	**66.1**	2.7	0	65.4	3.4	0	64.7	4.1	0
R-13.83	EW 13.3	NB 13.1	Larch Lane	Residential	4	64.6	64.7	65.5	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	65.5	0.0	0	64.6	0.9	0	63.7	1.8	0	62.9	2.6	0	62.3	3.2	0	61.7	3.8	0
R-13.84	EW 13.3	NB 13.1	Larch Lane	Residential	4	65.1	65.2	65.9	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	65.9	0.0	0	65.2	0.7	0	64.4	1.5	0	63.7	2.2	0	63.1	2.8	0	62.6	3.3	0
R-13.85	EW 13.3	NB 13.1	Larch Lane	Residential	4	**67.5**	**67.6**	**68.2**	0.6	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.2**	0.0	0	**67.3**	0.9	0	**66.4**	1.8	0	65.6	2.6	0	65.0	3.2	0	64.3	3.9	0
R-13.86	EW 13.3	NB 13.1	Larch Lane	Residential	4	**67.1**	**67.3**	**67.9**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.9**	0.0	0	**67.1**	0.8	0	**66.2**	1.7	0	65.5	2.4	0	64.8	3.1	0	64.2	3.7	0
R-13.87	EW 13.3	NB 13.1	Larch Lane	Residential	4	**67.0**	**67.2**	**67.8**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.8**	0.0	0	**67.1**	0.7	0	**66.2**	1.6	0	65.4	2.4	0	64.7	3.1	0	64.1	3.7	0
R-13.88	EW 13.3	NB 13.1	Larch Lane	Residential	4	**67.0**	**67.1**	**67.8**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.8**	0.0	0	**67.0**	0.8	0	**66.1**	1.7	0	65.4	2.4	0	64.7	3.1	0	64.1	3.7	0

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No. [1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$ [2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																		
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR) [6,7]																												
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq [2]	With Project, dBA Leq [2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC) [4]	Impact Type [5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-13.89	EW 13.3	NB 13.1	Larch Lane	Residential	4	**67.0**	**67.1**	**67.8**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.8**	0.0	0	**67.0**	0.8	0	**66.2**	1.6	0	65.4	2.4	0	64.7	3.1	0	64.1	3.7	0
R-13.90	EW 13.3	NB 13.1	Larch Lane	Residential	4	**67.2**	**67.3**	**68.0**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.0**	0.0	0	**67.3**	0.7	0	**66.4**	1.6	0	65.7	2.3	0	65.0	3.0	0	64.4	3.6	0
R-13.91	EW 13.3	NB 13.1	Larch Lane	Residential	4	**66.8**	**66.9**	**67.6**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.6**	0.0	0	**66.8**	0.8	0	**66.0**	1.6	0	65.3	2.3	0	64.7	2.9	0	64.1	3.5	0
R-13.92	EW 13.3	NB 13.1	Larch Lane	Residential	4	**66.4**	**66.5**	**67.1**	0.6	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.1**	0.0	0	**66.4**	0.7	0	65.6	1.5	0	65.0	2.1	0	64.3	2.8	0	63.8	3.3	0
R-13.93	EW 13.3	NB 13.1	Larch Lane	Residential	2	**66.4**	**66.5**	**67.1**	0.6	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.1**	0.0	0	**66.4**	0.7	0	65.6	1.5	0	65.0	2.1	0	64.4	2.7	0	63.8	3.3	0
R-13.94	EW 13.3	NB 13.1	Larch Lane	Residential	2	**66.9**	**67.0**	**67.6**	0.6	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.6**	0.0	0	**67.0**	0.6	0	**66.3**	1.3	0	65.6	2.0	0	65.1	2.5	0	64.5	3.1	0
R-13.95	EW 13.3	NB 13.1	Larch Lane	Residential	2	65.4	65.5	**66.2**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.2**	0.0	0	65.5	0.7	0	64.8	1.4	0	64.2	2.0	0	63.7	2.5	0	63.3	2.9	0
R-13.96	EW 13.3	NB 13.1	Larch Lane	Residential	2	64.5	64.6	65.3	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	65.3	0.0	0	64.6	0.7	0	63.9	1.4	0	63.2	2.1	0	62.6	2.7	0	62.2	3.1	0
R-13.97	EW 13.3	NB 13.1	Larch Lane	Residential	4	62.6	62.7	63.5	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	63.5	0.0	0	62.7	0.8	0	62.5	1.0	0	62.5	1.0	0	61.9	1.6	0	61.5	2.0	0
R-13.98	EW 13.3	NB 13.1	Larch Lane	Residential	4	62.4	62.5	63.3	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	63.3	0.0	0	62.7	0.6	0	62.8	0.5	0	62.6	0.7	0	62.0	1.3	0	61.6	1.7	0
R-13.99	EW 13.3	NB 13.1	Larch Lane	Residential	4	62.5	62.6	63.3	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	63.3	0.0	0	62.8	0.5	0	63.0	0.3	0	62.7	0.6	0	62.1	1.2	0	61.7	1.6	0
R-13.100	EW 13.3	NB 13.1	Larch Lane	Residential	4	62.7	62.8	63.5	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	63.5	0.0	0	63.2	0.3	0	63.3	0.2	0	62.7	0.8	0	62.1	1.4	0	61.7	1.8	0
R-13.101	EW 13.3	NB 13.1	Larch Lane	Residential	4	63.0	63.1	63.8	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	63.8	0.0	0	63.0	0.8	0	63.3	0.5	0	62.9	0.9	0	62.2	1.6	0	61.8	2.0	0
R-13.102	EW 13.3	NB 13.1	Larch Lane	Residential	4	63.7	63.8	64.4	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	64.4	0.0	0	63.7	0.7	0	63.5	0.9	0	63.1	1.3	0	62.4	2.0	0	62.0	2.4	0
R-13.103	EW 13.3	NB 13.1	Sevilla	Residential	4	63.7	63.8	64.5	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	64.3	0.2	0	63.9	0.6	0	63.4	1.1	0	63.0	1.5	0	62.3	2.2	0	61.9	2.6	0
R-13.104	EW 13.3	NB 13.1	Malaga	Residential	4	63.4	63.5	64.2	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	64.2	0.0	0	63.7	0.5	0	63.3	0.9	0	62.7	1.5	0	62.2	2.0	0	61.8	2.4	0
R-13.105	EW 13.3	NB 13.1	Madrid	Residential	2	63.7	63.8	64.5	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	64.3	0.2	0	63.9	0.6	0	63.5	1.0	0	62.9	1.6	0	62.3	2.2	0	61.9	2.6	0
R-13.106	EW 13.3	NB 13.1	Granada Street	Residential	2	64.7	64.8	65.5	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	65.5	0.0	0	64.9	0.6	0	64.2	1.3	0	63.5	2.0	0	63.0	2.5	0	62.4	3.1	0
R-13.107	EW 13.3	NB 13.1	Sevilla	Swim School	1	56.6	56.8	57.5	0.7	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	57.3	0.2	0	56.9	0.6	0	56.5	1.0	0	56.1	1.4	0	55.8	1.7	0	55.4	2.1	0
R-13.108	EW 13.3	NB 13.1	Malaga	Residential	1	62.8	62.8	63.5	0.7	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	63.5	0.0	0	62.7	0.8	0	62.0	1.5	0	61.3	2.2	0	60.8	2.7	0	60.3	3.2	0
R-13.109	EW 13.3	NB 13.1	Madrid	Residential	1	62.3	62.4	63.0	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	62.9	0.1	0	62.1	0.9	0	61.5	1.5	0	61.0	2.0	0	60.5	2.5	0	60.0	3.0	0
R-13.110	EW 13.3	NB 13.1	Granada Street	Residential	1	59.2	59.3	59.9	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	59.7	0.2	0	59.3	0.6	0	58.8	1.1	0	58.4	1.5	0	58.2	1.7	0	58.5	1.4	0
R-13.111	EW 13.3	NB 13.1	Pinebrook Circle	Swimming Pool	1	56.7	56.8	57.6	0.8	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	57.6	0.0	0	57.1	0.5	0	56.6	1.0	0	56.2	1.4	0	55.7	1.9	0	55.4	2.2	0
R-13.112	EW 13.3	NB 13.1	Pinebrook Circle	Residential	2	60.0	60.1	60.9	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	60.9	0.0	0	60.4	0.5	0	59.9	1.0	0	59.6	1.3	0	59.2	1.7	0	59.0	1.9	0
R-13.113	EW 13.3	NB 13.1	Pinebrook Circle	Residential	2	56.9	57.0	58.1	1.1	1.2	B(67)	--	--	--	--	--	--	--	--	--	--	57.8	0.3	0	57.3	0.8	0	56.9	1.2	0	56.6	1.5	0	56.3	1.8	0	56.1	2.0	0
R-13.114	EW 13.3	NB 13.1	Pinebrook Circle	Residential	2	60.2	60.3	61.2	0.9	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	60.6	0.6	0	60.2	1.0	0	59.9	1.3	0	59.7	1.5	0	59.5	1.7	0	59.3	1.9	0
R-13.115	EW 13.3	NB 13.1	Pinebrook Circle	Residential	4	55.0	55.1	56.5	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	56.4	0.1	0	56.1	0.4	0	55.9	0.6	0	55.7	0.8	0	55.6	0.9	0	55.5	1.0	0
R-13.116	EW 13.3	NB 13.1	Pinebrook Circle	Residential	4	51.9	52.0	53.0	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	51.4	1.6	0	51.1	1.9	0	50.9	2.1	0	50.6	2.4	0	50.3	2.7	0	50.1	2.9	0
R-13.117	EW 13.3	NB 13.1	Pinebrook Circle	Residential	1	57.7	57.9	59.7	1.8	2.0	B(67)	--	--	--	--	--	--	--	--	--	--	59.7	0.0	0	59.7	0.0	0	59.5	0.2	0	59.4	0.3	0	59.4	0.3	0	59.3	0.4	0
R-13.118	EW 13.3	NB 13.1	Pinebrook Circle	Residential	3	56.7	56.8	58.1	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	57.1	1.0	0	56.6	1.5	0	55.8	2.3	0	55.6	2.5	0	55.4	2.7	0	55.2	2.9	0
R-13.119	EW 13.3	NB 13.1	Pinebrook Circle	Residential	1	63.1	63.2	63.6	0.4	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	60.9	2.7	0	60.6	3.0	0	60.4	3.2	0	60.2	3.4	0	59.9	3.7	0	59.8	3.8	0
R-13.120	EW 13.3	NB 13.1	Pinebrook Circle	Residential	2	58.4	58.5	59.3	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	58.3	1.0	0	57.8	1.5	0	57.4	1.9	0	57.1	2.2	0	56.9	2.4	0	56.6	2.7	0
R-13.121	EW 13.3	NB 13.1	Pinebrook Circle	Residential	2	63.2	63.3	63.5	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	61.5	2.0	0	61.0	2.5	0	60.6	2.9	0	60.7	2.8	0	60.8	2.7	0	61.0	2.5	0
R-13.122	EW 13.3	NB 13.1	Pinebrook Circle	Residential	2	58.1	58.2	58.9	0.7	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	58.5	0.4	0	57.9	1.0	0	57.5	1.4	0	57.1	1.8	0	56.8	2.1	0	56.6	2.3	0
R-13.123	EW 13.3	NB 13.1	Browning Circle	Residential	2	63.4	63.4	64.1	0.7	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	63.6	0.5	0	63.1	1.0	0	62.4	1.7	0	61.9	2.2	0	61.6	2.5	0	61.3	2.8	0
R-13.124	EW 13.3	NB 13.1	Pinebrook Circle	Residential	3	63.0	63.0	63.9	0.9	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	63.2	0.7	0	63.3	0.6	0	63.0	0.9	0	62.6	1.3	0	62.1	1.8	0	61.7	2.2	0
R-13.125	EW 13.3	NB 13.1	Pinebrook Circle	Residential	3	61.9	61.9	62.6	0.7	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	61.7	0.9	0	60.8	1.8	0	60.2	2.4	0	59.6	3.0	0	59.1	3.5	0	58.7	3.9	0
R-13.126	EW 13.3	NB 13.1	Nisson Road	Residential	2	56.2	56.3	57.1	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	56.7	0.4	0	56.8	0.3	0	57.1	0.0	0	56.6	0.5	0	56.2	0.9	0	55.9	1.2	0
R-13.127	EW 13.3	NB 13.1	Nisson Road	Residential	2	61.3	61.4	62.2	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	61.0	1.2	0	60.8	1.4	0	60.6	1.6	0	60.1	2.1	0	59.7	2.5	0	59.3	2.9	0
R-13.128	EW 13.3	NB 13.1	Nisson Road	Residential	2	54.6	54.7	55.7	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	54.9	0.8	0	54.2	1.5	0	53.6	2.1	0	53.1	2.6	0	52.8	2.9	0	52.5	3.2	0
R-13.129	EW 13.3	NB 13.1	Nisson Road	Residential	2	61.5	61.6	62.4	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	60.3	2.1	0	60.8	1.6	0	60.5	1.9	0	60.0	2.4	0	59.6	2.8	0	59.3	3.1	0
R-13.130	EW 13.3	NB 13.1	Nisson Road	Residential	4	61.9	62.0	62.8	0.8	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	62.1	0.7	0	61.9	0.9	0	61.5	1.3	0	61.2	1.6	0	60.9	1.9	0	60.7	2.1	0
R-13.131	EW 13.3	NB 13.1	Nisson Road	Residential	4	57.8	57.9	59.2	1.3	1.4	B(67)	--	--	--	--	--	--	--	--	--	--	58.7	0.5	0	58.4	0.8	0	58.6	0.6	0	58.5	0.7	0	58.3	0.9	0	58.1	1.1	0
R-13.132	EW 13.3	NB 13.1	Nisson Road	Residential	3	58.5	58.6	60.0	1.4	1.5	B(67)	--	--	--	--	--	--	--	--	--	--	59.7	0.3	0	59.5	0.5	0	59.3	0.7	0	59.2	0.8	0	59.1	0.9	0	59.1	0.9	0
R-13.133	EW 13.3	NB 13.1	Nisson Road	Swimming Pool	1	64.8	64.9	**66.3**	1.4	1.5	C(67)	A/E	--	--	--	--	--	--	--	--	--	64.3	2.0	0	64.2	2.1	0	64.0	2.3	0	64.0	2.3	0	63.9	2.4	0	63.8	2.5	0
R-13.134		NB 13.1	Nisson Road	Residential	4	61.6	61.6	62.8	1.2	1.2	B(67)	--	62.1	0.7	0	61.8	1.0	0	61.6	1.2	0	61.5	1.3	0	61.4	1.4	0	61.3	1.5	0	61.2	1.6	0	61.1	1.7	0	61.0	1.8	0
R-13.135		NB 13.1	Nisson Road	Residential	2	60.4	60.5	61.6	1.1	1.2	B(67)	--	60.5	1.1	0	60.0	1.6	0	59.4	2.2	0	59.1	2.5	0	58.8	2.8	0	58.6	3.0	0	58.4	3.2	0	58.2	3.4	0	58.1	3.5	0
R-13.136		NB 13.1	Nisson Road	Residential	2	63.0	63.1	64.8	1.7	1.8	B(67)	--	62.3	2.5	0	61.9	2.9	0	61.5	3.3	0	61.2	3.6	0	61.0	3.8	0	60.7	4.1	0	60.6	4.2	0	60.5	4.3	0	60.4	4.4	0
R-13.137		NB 13.1	Nisson Road	Residential	2	60.0	60.0	61.2	1.2	1.2	B(67)	--	59.6	1.6	0	58.9	2.3	0	57.9	3.3	0	57.4	3.8	0	57.0	4.2	0	56.7	4.5	0	56.5	4.7	0	56.4	4.8	0	56.2	5.0	2
R-13.138		NB 13.1	Nisson Road	Residential	2	62.7	62.8	64.2	1.4	1.5	B(67)	--	61.4	2.8	0	61.0	3.2	0	60.6	3.6	0	60.2	4.0	0	60.0	4.2	0	59.9	4.3	0	59.8	4.4	0	59.7	4.5	0	59.6	4.6	0
R-13.139		NB 13.1	Nisson Road	Residential	2	61.2	61.2	62.4	1.2	1.2	B(67)	--	62.1	0.3	0	61.9	0.5	0	61.8	0.6	0	61.7	0.7	0	61.6	0.8	0	61.5	0.9	0	61.4	1.0	0	61.3	1.1	0	61.3	1.1	0
R-13.140		NB 13.1	Nisson Road	Residential	2	61.5	61.6	62.9	1.3	1.4	B(67)	--	61.6	1.3	0	61.5	1.4	0	61.4	1.5	0	61.3	1.6	0	60.9	2.0	0	60.5	2.4	0	60.2	2.7	0	60.0	2.9	0	59.8	3.1	0
R-13.141	EW 13.3	NB 13.1	Nisson Road	Residential	2	62.9	63.0	64.0	1.0	1.1	B(67)	--	--	--	--	--	--	--	--	--	--	62.3	1.7	0	62.2	1.8	0	62.0	2.0	0	61.8	2.2	0	61.6	2.4	0	61.4	2.6	0
R-13.142	EW 13.3	NB 13.1	Nisson Road	Residential	2	66.9	67.0	68.0	1.0	1.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	65.9	2.1	0	65.6	2.4	0	65.4	2.6	0	65.2	2.8	0	65.1	2.9	0	65.1	2.9	0
R-13.143			Nisson Road	Restaurant	1	73.2	73.3	74.1	0.8	0.9	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-13.144			Nisson Road	Commercial	1	**71.0**	**71.2**	**73.4**	2.2	2.4	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.01	EW 14.1	NB 14.1	Nisson Road	Swimming Pool	1	64.3	64.5	65.1	0.6	0.8	C(67)	--	--	--	--	--	--	--	--	--	--	64.7	0.4	0	64.4	0.7	0	64.2	0.9	0	64.6	0.5	0	64.7	0.4	0	64.5	0.6	0
R-14.02	EW 14.1	NB 14.1	Nisson Road	Residential	1	**67.0**	**67.2**	**67.7**	0.5	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**67.2**	0.5	0	**66.8**	0.9	0	**66.5**	1.2	0	**66.3**	1.4	0	**66.1**	1.6	0	65.9	1.8	0
R-14.03	EW 14.1	NB 14.1	Nisson Road	Residential	3	**71.0**	**71.3**	**72.5**	1.2	1.5	B(67)	A/E	--	--	--	--	--	--	--	--	--	**72.2**	0.3	0	**71.9**	0.6	0	**71.8**	0.7	0	**71.6**	0.9	0	**71.5**	1.0	0	**71.4**	1.1	0
R-14.04	EW 14.1	NB 14.1	Nisson Road	Residential	1	**67.1**	**67.2**	**67.6**	0.4	0.5	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.8**	0.8	0	**66.4**	1.2	0	**66.0**	1.6	0	65.8	1.8	0	65.6	2.0	0	65.4	2.2	0
R-14.05	EW 14.1	NB 14.1	Nisson Road	Swimming Pool	1	**67.6**	**67.7**	**68.4**	0.7	0.8	C(67)	A/E	--	--	--	--	--	--	--	--	--	**67.7**	0.7	0	**67.4**	1.0	0	**67.2**	1.2	0	**67.0**	1.4	0	**66.9**	1.5	0	**66.8**	1.6	0
R-14.06	EW 14.2	NB 14.1	Utt Drive	Residential	1	**69.4**	**69.5**	**70.1**	0.6	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**69.5**	0.6	0	**69.0**	1.1	0	**68.7**	1.4	0	**68.5**	1.6	0	**68.3**	1.8	0	**68.1**	2.0	0
R-14.07	EW 14.2	NB 14.1	Utt Drive	Residential	1	**68.8**	**69.0**	**69.6**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.5**	1.1	0	**67.9**	1.7	0	**67.4**	2.2	0	**67.0**	2.6	0	**66.6**	3.0	0	**66.4**	3.2	0
R-14.08	EW 14.2	NB 14.1	Utt Drive	Residential	2	**67.0**	**67.1**	**67.8**	0.7	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**66.3**	1.5	0	65.4	2.4	0	64.8	3.0	0	64.4	3.4	0	63.9	3.9	0	63.5	4.3	0
R-14.09	EW 14.2	NB 14.1	Utt Drive	Residential	1	**66.5**	**66.6**	**67.4**	0.8	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	65.9	1.5	0	65.0	2.4	0	64.5	2.9	0	64.0	3.4	0	63.6	3.8	0	63.3	4.1	0

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																										
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-14.10	EW 14.2	NB 14.1	Woodlawn Avenue	Residential	2	64.6	64.7	65.3	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.0	1.3	0	63.1	2.2	0	62.4	2.9	0	61.8	3.5	0	61.3	4.0	0	60.9	4.4	0
R-14.11	EW 14.2	NB 14.1	Woodlawn Avenue	Residential	4	64.2	64.3	64.9	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.1	1.8	0	61.9	3.0	0	61.1	3.8	0	60.5	4.4	0	59.9	5.0	4	59.5	5.4	4
R-14.12	EW 14.2	NB 14.1	Charloma Drive	Residential	2	65.2	65.3	65.8	0.5	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.3	1.5	0	63.3	2.5	0	62.5	3.3	0	61.8	4.0	0	61.2	4.6	0	60.7	5.1	2
R-14.13	EW 14.2	NB 14.1	Charloma Drive	Residential	4	64.3	64.5	65.0	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.8	2.2	0	61.8	3.2	0	60.9	4.1	0	60.2	4.8	0	59.6	5.4	4	59.0	6.0	4
R-14.14	EW 14.2	NB 14.1	Carfax Avenue	Residential	2	**68.9**	**69.0**	**69.5**	0.5	0.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**68.1**	1.4	0	**67.3**	2.2	0	**66.5**	3.0	0	65.9	3.6	0	65.3	4.2	0	64.9	4.6	0
R-14.15	EW 14.2	NB 14.1	Carfax Avenue	Residential	4	**67.2**	**67.3**	**67.9**	0.6	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**66.3**	1.6	0	65.3	2.6	0	64.7	3.2	0	64.1	3.8	0	63.6	4.3	0	63.1	4.8	0
R-14.16	EW 14.2	NB 14.1	Del Amo Avenue	Residential	2	**67.6**	**67.7**	**68.2**	0.5	0.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**67.3**	0.9	0	**66.6**	1.6	0	**66.0**	2.2	0	65.5	2.7	0	65.0	3.2	0	64.7	3.5	0
R-14.17	EW 14.2	NB 14.1	Del Amo Avenue	Residential	4	**66.2**	**66.3**	**66.8**	0.5	0.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	65.5	1.3	0	64.8	2.0	0	64.2	2.6	0	63.7	3.1	0	63.3	3.5	0	62.9	3.9	0
R-14.18	EW 14.2	NB 14.1	Del Amo Avenue	Residential	2	64.4	64.6	65.0	0.4	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.2	0.8	0	63.5	1.5	0	63.0	2.0	0	62.4	2.6	0	61.9	3.1	0	61.5	3.5	0
R-14.19	EW 14.2	NB 14.1	Del Amo Avenue	Residential	2	65.5	65.7	**66.3**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	65.6	0.7	0	65.3	1.0	0	65.0	1.3	0	64.8	1.5	0	64.7	1.6	0	64.6	1.7	0
R-14.20	EW 14.2	NB 14.1	Nisson Road	Residential	1	**70.3**	**70.5**	**70.8**	0.3	0.5	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**70.4**	0.4	0	**70.2**	0.6	0	**69.9**	0.9	0	**69.7**	1.1	0	**69.6**	1.2	0	**69.5**	1.3	0
R-14.21	EW 14.2	NB 14.1	Nisson Road	Residential	1	**71.0**	**71.2**	**71.7**	0.5	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**71.0**	0.7	0	**70.6**	1.1	0	**70.3**	1.4	0	**70.0**	1.7	0	**69.8**	1.9	0	**69.7**	2.0	0
R-14.22	EW 14.2	NB 14.1	Walter Avenue	Residential	2	63.3	63.5	64.1	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.9	0.2	0	63.7	0.4	0	63.5	0.6	0	63.4	0.7	0	63.3	0.8	0	63.3	0.8	0
R-14.23	EW 14.2	NB 14.1	Walter Avenue	Residential	2	65.9	**66.1**	**66.7**	0.6	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**66.3**	0.4	0	**66.1**	0.6	0	**66.0**	0.7	0	65.9	0.8	0	65.8	0.9	0	65.7	1.0	0
R-14.24	EW 14.2	NB 14.1	Walter Avenue	Residential	2	**68.8**	**69.0**	**69.7**	0.7	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**69.6**	0.1	0	**69.5**	0.2	0	**69.4**	0.3	0	**69.3**	0.4	0	**69.2**	0.5	0
R-14.25	EW 14.2	NB 14.1	Nisson Road	Residential	1	70.1	70.4	70.8	0.4	0.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	70.6	0.2	0	70.4	0.4	0	70.2	0.6	0	70.1	0.7	0	69.9	0.9	0	69.8	1.0	0
R-14.26	EW 14.2		Newport Avenue	Commercial	1	74.2	74.5	76.4	1.9	2.2	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.27			Newport Avenue	Restaurant	1	74.3	74.7	76.1	1.4	1.8	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.28			Newport Avenue	Retail	1	**69.8**	**70.0**	**69.4**	-0.6	-0.4	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-14.29		NB 14.2	South C Street	Residential	2	**72.1**	**72.3**	**72.4**	0.1	0.3	B(67)	A/E	**72.4**	0.0	0	**72.4**	0.0	0	**72.4**	0.0	0	**72.4**	0.0	0	**72.4**	0.0	0	**72.3**	0.1	0	**72.3**	0.1	0	**72.3**	0.1	0	**70.6**	1.8	0	**70.1**	2.3	0
R-14.30		NB 14.2	South C Street	Residential	2	**71.9**	**72.1**	**72.3**	0.2	0.4	B(67)	A/E	**72.1**	0.2	0	**71.9**	0.4	0	**71.7**	0.6	0	**71.2**	1.1	0	**70.6**	1.7	0	**70.6**	1.7	0	**70.6**	1.7	0	**70.6**	1.7	0	**68.6**	3.7	0	**68.1**	4.2	0
R-14.31		NB 14.2	South C Street	Residential	2	**69.6**	**69.8**	**69.9**	0.1	0.3	B(67)	A/E	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.9**	0.0	0	**69.6**	0.3	0	**69.6**	0.3	0	**69.6**	0.3	0	**69.6**	0.3	0	**67.7**	2.2	0	**66.8**	3.1	0
R-14.32		NB 14.2	South C Street	Residential	1	**70.6**	**70.8**	**70.9**	0.1	0.3	B(67)	A/E	**70.9**	0.0	0	**70.9**	0.0	0	**70.8**	0.1	0	**70.5**	0.4	0	**70.0**	0.9	0	**69.4**	1.5	0	**68.6**	2.3	0	**67.8**	3.1	0	**67.1**	3.8	0
R-14.33		NB 14.2	South B Street	Residential	1	**71.4**	**71.6**	**71.7**	0.1	0.3	B(67)	A/E	**71.3**	0.4	0	**71.0**	0.7	0	**70.7**	1.0	0	**70.0**	1.7	0	**69.4**	2.3	0	**69.4**	2.3	0	**69.4**	2.3	0	**67.4**	4.3	0	**66.8**	4.9	0
R-14.34	EW 14.3	NB 14.2	Via Entrada	Residential	4	**69.3**	**69.8**	**70.2**	0.4	0.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	**69.0**	1.2	0	**68.5**	1.7	0	**68.5**	1.7	0	**68.5**	1.7	0	**67.2**	3.0	0	**66.8**	3.4	0
R-14.35	EW 14.3	NB 14.2	Via Entrada	Residential	4	**68.9**	**69.7**	**70.2**	0.5	1.3	B(67)	A/E	--	--	--	--	--	--	--	--	--	**69.5**	0.7	0	**69.0**	1.2	0	**69.0**	1.2	0	**69.0**	1.2	0	**67.7**	2.5	0	**67.3**	2.9	0
R-14.36	EW 14.3	NB 14.2	Via Entrada	Residential	4	**69.2**	**70.2**	**70.7**	0.5	1.5	B(67)	A/E	--	--	--	--	--	--	--	--	--	**70.2**	0.5	0	**69.7**	1.0	0	**69.7**	1.0	0	**69.7**	1.0	0	**68.4**	2.3	0	**68.1**	2.6	0
R-14.37	EW 14.3	NB 14.2	Via Entrada	Residential	3	**69.1**	**70.3**	**70.8**	0.5	1.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**70.4**	0.4	0	**69.9**	0.9	0	**69.9**	0.9	0	**69.9**	0.9	0	**68.7**	2.1	0	**68.4**	2.4	0
R-14.38	EW 14.3	NB 14.2	Via Entrada	Swimming Pool	1	**69.2**	**69.4**	**69.7**	0.3	0.5	C(67)	A/E	--	--	--	--	--	--	--	--	--	**69.0**	0.7	0	**68.5**	1.2	0	**68.5**	1.2	0	**68.5**	1.2	0	**66.8**	2.9	0	**66.3**	3.4	0
R-14.39	EW 14.3	NB 14.2	Via Entrada	Residential	4	**68.2**	**68.5**	**69.0**	0.5	0.8	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.1**	0.9	0	**67.9**	1.1	0	**67.9**	1.1	0	**67.9**	1.1	0	**66.4**	2.6	0	**66.1**	2.9	0
R-14.40	EW 14.3	NB 14.2	Via Entrada	Residential	4	**67.6**	**68.0**	**68.8**	0.8	1.2	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.0**	0.8	0	**67.5**	1.3	0	**67.5**	1.3	0	**67.5**	1.3	0	**66.6**	2.2	0	**66.2**	2.6	0
R-14.41	EW 14.3	NB 14.2	Via Entrada	Residential	2	**67.5**	**68.1**	**68.6**	0.5	1.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	**68.0**	0.6	0	**67.6**	1.0	0	**67.6**	1.0	0	**67.6**	1.0	0	**66.6**	2.0	0	**66.3**	2.3	0
R-14.42	EW 14.3	NB 14.2	Nisson Road	Residential	3	64.9	65.3	65.9	0.6	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	65.5	0.4	0	65.0	0.9	0	65.0	0.9	0	65.0	0.9	0	63.8	2.1	0	63.5	2.4	0
R-14.43	EW 14.3	NB 14.2	Nisson Road	Residential	4	64.2	64.4	64.9	0.5	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.2	0.7	0	63.7	1.2	0	63.7	1.2	0	63.7	1.2	0	62.5	2.4	0	62.1	2.8	0
R-14.44	EW 14.3	NB 14.2	Nisson Road	Residential	4	63.3	63.5	63.9	0.4	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.3	0.6	0	62.9	1.0	0	62.9	1.0	0	62.9	1.0	0	62.0	1.9	0	61.7	2.2	0
R-14.45	EW 14.3	NB 14.2	Nisson Road	Swimming Pool	1	63.9	64.1	64.6	0.5	0.7	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.2	0.4	0	63.6	1.0	0	63.6	1.0	0	63.6	1.0	0	62.4	2.2	0	62.1	2.5	0
R-14.46	EW 14.3	NB 14.2	Nisson Road	Residential	4	61.7	63.4	63.8	0.4	2.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.6	0.2	0	63.5	0.3	0	63.5	0.3	0	63.5	0.3	0	63.3	0.5	0	63.2	0.6	0
R-14.47	EW 14.3	NB 14.2	Nisson Road	Residential	4	61.6	61.9	62.5	0.6	0.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.4	0.1	0	62.3	0.2	0	62.3	0.2	0	62.3	0.2	0	62.0	0.5	0	61.9	0.6	0
R-14.48	EW 14.3	NB 14.2	Nisson Road	Residential	2	**66.8**	**67.2**	**68.7**	1.5	1.9	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**68.7**	0.0	0	**68.6**	0.1	0	**68.6**	0.1	0	**68.6**	0.1	0	**68.5**	0.2	0	**68.5**	0.2	0
R-14.49	EW 14.3	NB 14.2	Nisson Road	Residential	2	62.6	62.7	63.2	0.5	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.1	0.1	0	62.9	0.3	0	62.9	0.3	0	62.9	0.3	0	62.8	0.4	0	62.7	0.5	0
R-14.50	EW 14.3	NB 14.2	Nisson Road	Swimming Pool	1	63.1	63.7	64.7	1.0	1.6	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.7	0.0	0	64.7	0.0	0	64.7	0.0	0	64.7	0.0	0	64.6	0.1	0	64.5	0.2	0
R-14.51	EW 14.3	NB 14.2	Nisson Road	Residential	4	62.5	63.5	**66.2**	2.7	3.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**66.1**	0.1	0	**66.1**	0.1	0	**66.1**	0.1	0	**66.1**	0.1	0	**66.1**	0.1	0	**66.1**	0.1	0
R-14.52	EW 14.3	NB 14.2	Nisson Road	Residential	4	62.7	62.8	63.1	0.3	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.0	0.1	0	62.9	0.2	0	62.9	0.2	0	62.9	0.2	0	62.7	0.4	0	62.6	0.5	0
R-14.53	EW 14.3	NB 14.2	Nisson Road	Residential	4	61.5	63.5	64.4	0.9	2.9	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.4	0.0	0	64.4	0.0	0	64.4	0.0	0	64.3	0.1	0	64.3	0.1	0	64.3	0.1	0
R-14.54	EW 14.3	NB 14.2	Nisson Road	Residential	4	**67.8**	**69.0**	**71.4**	2.4	3.6	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**71.4**	0.0	0	**71.4**	0.0	0	**71.4**	0.0	0	**71.4**	0.0	0	**71.4**	0.0	0	**71.4**	0.0	0
R-14.55	EW 14.3	NB 14.2	Nisson Road	Residential	4	65.9	**66.2**	**68.0**	1.8	2.1	B(67)	A/E	--	--	--	--	--	--	--	--	--	--	--	--	**68.0**	0.0	0	**68.0**	0.0	0	**68.0**	0.0	0	**67.9**	0.1	0	**68.0**	0.0	0	**68.0**	0.0	0
R-14.56	EW 14.3	NB 14.2	Nisson Road	Residential	2	61.2	61.4	62.2	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.0	0.2	0	61.8	0.4	0	61.7	0.5	0	61.6	0.6	0	61.5	0.7	0	61.5	0.7	0
R-14.57	EW 14.3	NB 14.2	Nisson Road	Residential	2	61.6	61.8	62.4	0.6	0.8	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.2	0.2	0	62.0	0.4	0	61.9	0.5	0	61.8	0.6	0	61.9	0.5	0	61.8	0.6	0
R-14.58	EW 14.3	NB 14.2	Nisson Road	Residential	2	64.2	64.2	64.8	0.6	0.6	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	64.7	0.1	0	64.6	0.2	0	64.6	0.2	0	64.5	0.3	0	64.5	0.3	0	64.5	0.3	0
R-14.59	EW 14.3	NB 14.2	Nisson Road	Residential	2	58.2	58.3	58.5	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.5	0.0	0	58.5	0.0	0	58.4	0.1	0	58.3	0.2	0	58.3	0.2	0	58.2	0.3	0
R-14.60	EW 14.3	NB 14.2	Nisson Road	Residential	2	58.6	58.7	58.9	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.8	0.1	0	58.6	0.3	0	58.5	0.4	0	58.4	0.5	0	58.3	0.6	0	58.3	0.6	0
R-14.61	EW 14.3	NB 14.2	Nisson Road	Residential	2	63.0	63.1	63.5	0.4	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.4	0.1	0	63.3	0.2	0	63.2	0.3	0	63.2	0.3	0	63.1	0.4	0	63.1	0.4	0
R-14.62	EW 14.3	NB 14.2	Nisson Road	Residential	2	64.6	64.6	65.1	0.5	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	65.0	0.1	0	64.9	0.2	0	64.9	0.2	0	64.9	0.2	0	64.8	0.3	0	64.7	0.4	0
R-14.63	EW 14.3	NB 14.2	Nisson Road	Residential	2	65.0	65.1	65.7	0.6	0.7	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	65.6	0.1	0	65.5	0.2	0	65.6	0.1	0	65.6	0.1	0	65.5	0.2	0	65.5	0.2	0
R-14.64	EW 14.3	NB 14.2	Nisson Road	Residential	2	57.8	57.8	62.8	5.0	5.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	62.8	0.0	0	62.8	0.0	0	62.7	0.1	0	62.7	0.1	0	62.7	0.1	0	62.7	0.1	0
R-14.65	EW 14.3	NB 14.2	Nisson Road	Residential	2	53.8	53.6	60.1	6.5	6.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.1	0.0	0	60.1	0.0	0	60.1	0.0	0	60.1	0.0	0	60.0	0.1	0	60.0	0.1	0
R-14.66	EW 14.3	NB 14.2	Nisson Road	Residential	3	64.7	65.1	65.1	0.0	0.4	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	65.1	0.0	0	65.1	0.0	0	65.1	0.0	0	65.1	0.0	0	65.1	0.0	0	65.1	0.0	0
R-14.67	EW 14.3	NB 14.2	Nisson Road	Residential	4	57.5	58.1	58.5	0.4	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.5	0.0	0	58.4	0.1	0	58.4	0.1	0
R-14.68	EW 14.3	NB 14.2	Nisson Road	Residential	4	59.0	59.2	59.5	0.3	0.5	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.5	0.0	0	59.5	0.0	0	59.4	0.1	0	59.4	0.1	0	59.4	0.1	0	59.4	0.1	0
R-14.69	EW 14.3	NB 14.2	Nisson Road	Residential	4	60.2	60.3	60.5	0.2	0.3	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	60.5	0.0	0	60.4	0.1	0	60.4	0.1	0	60.4	0.1	0	60.4	0.1	0	60.3	0.2	0
R-14.70	EW 14.3	NB 14.2	Nisson Road	Residential	4	63.1	63.2	63.2	0.0	0.1	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	63.2	0.0	0	63.2	0.0	0	63.1	0.1	0	63.1	0.1	0	63.1	0.1	0	63.1	0.1	0
R-14.71	EW 14.3	NB 14.2	Nisson Road	Swimming Pool	1	60.3	60.5	61.2	0.7	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	61.2	0.0	0	61.2	0.0	0	61.2	0.0	0	61.2	0.0	0	61.2	0.0	0	61.2	0.0	0
R-14.72	EW 14.3	NB 14.2	Nisson Road	Residential	3	62.7	63.0	63.1	0.1	0.4	B(67)	--	--	--	--	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0	63.1	0.0	0
R-14.73	EW 14.4	NB 14.2	Nisson Road	Residential	4	65.9	**66.0**	**66.1**	0.1	0.2	B(67)	A/E	--	--	--	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0	**66.1**	0.0	0
R-14.74	EW 14.4	NB 14.2	Nisson Road	Residential	4	**74.8**	**75.0**	**75.1**	0.1	0.3	B(67)	A/E	--	--	--	**75.1**	0.0	0	**75.1**	0.0	0	**75.1**	0.0	0	**75.1**	0.0	0	**75.1**	0.0	0	**75.1**	0.0	0	**75.1**	0.0	0	**75.1**	0.0	0	**75.0**	0.1	0

Table J-4: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																					
							2050 Noise Level				Activity Category (NAC)[4]	Impact Type[5]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																																			
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet					
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR			
Source: LSA Associates, Inc. (June 2017).																																									
[1] An * represents an existing wall that would be demolished as part of the project. The existing wall would be reconstructed to match the existing height at a minimum.																																									
[2] Numbers in **bold** represent noise levels that approach or exceed the NAC.																																									
[3] 2050 with project traffic noise levels assumes zero feet for existing wall heights that would be demolished as part of the project.																																									
[4] Activity Categories without outdoor frequent human use areas were not evaluated against the Noise Abatment Criteria (NAC).																																									
[5] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.																																									
[6] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).																																									
[7] Shaded cells indicate the approximate existing wall heights.																																									
A/E = Approach or Exceed																																									
dBA = A-weighted decibels																																									
dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels																																									
IL = Insertion Loss																																									
NAC = Noise Abatement Criteria																																									
NBR = Number of Benefitted Receptors																																									

Table J-5: Predicted Future Noise Level and Noise Barrier for Alternative 2B - Alternative Barrier Locations

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.03		NB 3.2	Roosevelt	Office	1	70.8	**71.1**	**71.1**	0.0	0.3	E(72)	A/E	70.1	1.0	0	66.7	4.4	0	65.0	6.1	1	64.0	7.1	1	63.4	7.7	1	62.7	8.4	1	62.3	8.8	1	61.9	9.2	1	61.4	9.7	1
R-4.149	EW 4.6	NB 4.3	Monroe	Residential	2	65.9	**66.3**	**67.1**	0.8	1.2	B(67)	A/E	--	--	--	63.8	3.3	0	62.4	4.7	0	61.4	5.7	2	60.0	7.1	2	58.7	8.4	2	57.7	9.4	2	57.2	9.9	2	56.8	10.3	2
R-4.150	EW 4.6	NB 4.3	Monroe	Residential	1	65.3	65.7	**66.7**	1.0	1.4	B(67)	A/E	--	--	--	64.1	2.6	0	62.8	3.9	0	61.8	4.9	0	59.9	6.8	1	59.0	7.7	1	58.1	8.6	1	57.5	9.2	1	57.0	9.7	1
R-11.17	EW 11.3	NB 11.3	Bird Wing	Residential	2	63.6	63.9	64.5	0.6	0.9	B(67)	--	64.5	0.0	0	64.5	0.0	0	64.5	0.0	0	63.3	1.2	0	63.3	1.2	0	61.7	2.8	0	60.6	3.9	0	59.6	4.9	0	58.7	5.8	2
R-11.19	EW 11.3	NB 11.3	Skipper	Residential	1	57.9	58.2	58.5	0.3	0.6	B(67)	--	58.3	0.2	0	58.3	0.2	0	58.3	0.2	0	58.3	0.2	0	57.5	1.0	0	56.2	2.3	0	55.3	3.2	0	54.5	4.0	0	54.7	3.8	0
R-11.20	EW 11.3	NB 11.3	Skipper	Residential	1	63.6	63.8	63.6	-0.2	0.0	B(67)	--	63.6	0.0	0	63.6	0.0	0	63.6	0.0	0	63.0	0.6	0	62.1	1.5	0	61.5	2.1	0	61.1	2.5	0	60.7	2.9	0	60.4	3.2	0
R-11.21	EW 11.3	NB 11.3	Skipper	Residential	1	62.6	62.8	62.9	0.1	0.3	B(67)	--	62.8	0.1	0	62.8	0.1	0	62.8	0.1	0	62.6	0.3	0	62.1	0.8	0	61.7	1.2	0	61.3	1.6	0	60.9	2.0	0	60.7	2.2	0
R-11.22	EW 11.3	NB 11.3	Skipper	Tennis Courts	1	**70.2**	**70.4**	**69.7**	-0.7	-0.5	C(67)	A/E	**69.7**	0.0	0	**67.1**	2.6	0	**66.0**	3.7	0	65.5	4.2	0	64.6	5.1	1	63.9	5.8	1	63.2	6.5	1	62.8	6.9	1	62.3	7.4	1
R-14.29	EW 14.6	NB 14.3	South C Street	Residential	2	**72.1**	**72.3**	**72.4**	0.1	0.3	B(67)	A/E	**70.4**	2.0	0	**67.9**	4.5	0	**67.0**	5.4	2	64.7	7.7	2	63.8	8.6	2	63.1	9.3	2	62.7	9.7	2	62.7	9.7	2	62.6	9.8	2
R-14.30	EW 14.6	NB 14.3	South C Street	Residential	2	**71.9**	**72.1**	**72.3**	0.2	0.4	B(67)	A/E	**72.3**	0.0	0	**69.2**	3.1	0	**68.4**	3.9	0	**67.8**	4.5	0	**66.4**	5.9	2	64.6	7.7	2	64.2	8.1	2	63.6	8.7	2	63.0	9.3	2
R-14.31	EW 14.6	NB 14.3	South C Street	Residential	2	**69.6**	**69.8**	**69.9**	0.1	0.3	B(67)	A/E	**69.9**	0.0	0	**69.9**	0.0	0	**69.1**	0.8	0	**67.6**	2.3	0	**66.9**	3.0	0	**66.4**	3.5	0	**66.2**	3.7	0	**66.2**	3.7	0	65.8	4.1	0
R-14.32	EW 14.6	NB 14.3	South C Street	Residential	1	**70.6**	**70.8**	**70.9**	0.1	0.3	B(67)	A/E	**70.9**	0.0	0	**70.9**	0.0	0	**70.6**	0.3	0	**69.3**	1.6	0	**68.2**	2.7	0	**67.8**	3.1	0	**67.1**	3.8	0	**67.2**	3.7	0	**66.8**	4.1	0
R-14.33	EW 14.6	NB 14.3	South B Street	Residential	1	**71.4**	**71.6**	**71.7**	0.1	0.3	B(67)	A/E	**69.3**	2.4	0	**67.7**	4.0	0	65.1	6.6	1	64.1	7.6	1	62.2	9.5	1	61.3	10.4	1	60.7	11.0	1	60.2	11.5	1	59.5	12.2	1

Source: LSA Associates, Inc. (June 2017).

[1] An * represents an existing wall that would be demolished as part of the project. The existing wall would be reconstructed to match the existing height at a minimum.

[2] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[3] 2050 with project traffic noise levels assumes zero feet for existing wall heights that would be demolished as part of the project.

[4] Activity Categories without outdoor frequent human use areas were not evaluated against the Noise Abatement Criteria (NAC).

[5] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[6] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

[7] Shaded cells indicate the approximate existing wall heights.

A/E = Approach or Exceed
dBA = A-weighted decibels
dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels
IL = Insertion Loss
NAC = Noise Abatement Criteria
NBR = Number of Benefitted Receptors

Table J-6: Predicted Future Noise Level and Noise Barrier for Alternative 2B with Design Options

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-2.02		NB 2.1	Sand Canyon Avenue	Church	1	**70.6** / 45.6	**71.1** / 46.1	**71.6** / 46.6	0.5	1.0	C(67)/D(52)	A/E	**70.5**	1.1	0	**70.1**	1.5	0	**68.9**	2.7	0	**68.5**	3.1	0	**68.4**	3.2	0	**68.2**	3.4	0	**68.2**	3.4	0	**68.1**	3.5	0	**68.1**	3.5	0
R-3.10	EW 3.1	NB 3.3	Hayes Street	Residential	1	57.4	57.7	58.3	0.6	0.9	B(67)	--	--	--	--	58.3	0.0	0	58.3	0.0	0	58.3	0.0	0	58.3	0.0	0	58.2	0.1	0	58.2	0.1	0	58.2	0.1	0	58.1	0.2	0
R-3.11	EW 3.1	NB 3.3	Hayes Street	Residential	1	**68.3**	**68.5**	**69.1**	0.6	0.8	B(67)	A/E	--	--	--	**69.1**	0.0	0	**69.1**	0.0	0	**69.1**	0.0	0	**69.1**	0.0	0	**68.9**	0.2	0	**68.9**	0.2	0	**68.8**	0.3	0
R-3.12	EW 3.1	NB 3.3	Hayes Street	Residential	1	60.7	61.0	61.5	0.5	0.8	B(67)	--	--	--	--	61.5	0.0	0	61.2	0.3	0	60.9	0.6	0	60.2	1.3	0	59.8	1.7	0	59.6	1.9	0	59.5	2.0	0	59.4	2.1	0
R-3.13	EW 3.1	NB 3.3	Hayes Street	Residential	1	65.3	65.6	**66.1**	0.5	0.8	B(67)	A/E	--	--	--	65.8	0.3	0	65.5	0.6	0	65.2	0.9	0	64.9	1.2	0	64.6	1.5	0	65.1	1.0	0	65.4	0.7	0	65.5	0.6	0
R-3.14	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.8**	**69.0**	**69.5**	0.5	0.7	B(67)	A/E	--	--	--	**68.9**	0.6	0	**68.3**	1.2	0	**67.8**	1.7	0	**67.3**	2.2	0	**67.1**	2.4	0	**66.9**	2.6	0	**66.8**	2.7	0	**66.7**	2.8	0
R-3.15	EW 3.1	NB 3.3	Hayes Street	Residential	2	**73.5**	**73.7**	**74.0**	0.3	0.5	B(67)	A/E	--	--	--	**72.6**	1.4	0	**70.2**	3.8	0	**68.2**	5.8	2	**66.9**	7.1	2	**66.1**	7.9	2	**66.8**	7.2	2	**66.2**	7.8	2	65.8	8.2	2
R-3.16	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.5	64.8	65.4	0.6	0.9	B(67)	--	--	--	--	65.1	0.3	0	64.4	1.0	0	62.9	2.5	0	61.0	4.4	0	60.2	5.2	3	59.8	5.6	3	59.5	5.9	3	59.4	6.0	3
R-3.17	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.1**	**69.4**	**70.0**	0.6	0.9	B(67)	A/E	--	--	--	**69.5**	0.5	0	**68.7**	1.3	0	**67.1**	2.9	0	65.1	4.9	0	64.4	5.6	3	65.8	4.2	0	**66.4**	3.6	0	**66.0**	4.0	0
R-3.18	EW 3.1	NB 3.3	Hayes Street	Residential	1	64.5	64.8	65.3	0.5	0.8	B(67)	--	--	--	--	65.2	0.1	0	64.7	0.6	0	63.6	1.7	0	62.2	3.1	0	61.8	3.5	0	61.6	3.7	0	61.5	3.8	0	61.5	3.8	0
R-3.19	EW 3.1	NB 3.3	Hayes Street	Residential	1	**67.8**	**68.0**	**68.5**	0.5	0.7	B(67)	A/E	--	--	--	**68.4**	0.1	0	**67.8**	0.7	0	**66.4**	2.1	0	64.4	4.1	0	63.9	4.6	0	65.8	2.7	0	65.8	2.7	0	65.2	3.3	0
R-3.20	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.3	64.5	65.1	0.6	0.8	B(67)	--	--	--	--	64.7	0.4	0	64.0	1.1	0	62.2	2.9	0	60.0	5.1	2	59.0	6.1	2	58.5	6.6	2	58.1	7.0	2	57.9	7.2	2
R-3.21	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.2**	**68.4**	**69.0**	0.6	0.8	B(67)	A/E	--	--	--	**68.4**	0.6	0	**67.4**	1.6	0	65.6	3.4	0	63.5	5.5	2	62.9	6.1	2	65.4	3.6	0	64.7	4.3	0	64.1	4.9	0
R-3.22	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.7	**66.0**	**66.7**	0.7	1.0	B(67)	A/E	--	--	--	**66.2**	0.5	0	65.4	1.3	0	63.9	2.8	0	62.4	4.3	0	61.6	5.1	3	61.1	5.6	3	60.7	6.0	3	60.4	6.3	3
R-3.23	EW 3.1	NB 3.3	Hayes Street	Residential	3	**71.3**	**71.5**	**72.1**	0.6	0.8	B(67)	A/E	--	--	--	**70.7**	1.4	0	**69.4**	2.7	0	**67.4**	4.7	0	65.5	6.6	3	64.7	7.4	3	65.1	7.0	3	**66.4**	5.7	3	65.8	6.3	3
R-3.24	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.4	64.0	0.6	0.8	B(67)	--	--	--	--	63.7	0.3	0	62.9	1.1	0	61.3	2.7	0	59.2	4.8	0	58.4	5.6	2	58.1	5.9	2	58.0	6.0	2	57.9	6.1	2
R-3.25	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.4**	0.5	0.7	B(67)	A/E	--	--	--	**67.2**	0.2	0	**66.5**	0.9	0	65.2	2.2	0	63.2	4.2	0	62.5	4.9	0	65.0	2.4	0	64.1	3.3	0	63.6	3.8	0
R-3.26	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.2	63.5	64.1	0.6	0.9	B(67)	--	--	--	--	63.1	1.0	0	62.0	2.1	0	60.4	3.7	0	59.1	5.0	0	58.4	5.7	2	57.8	6.3	2	57.4	6.7	2	59.2	4.9	0
R-3.27	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.6**	**68.7**	**69.3**	0.6	0.7	B(67)	A/E	--	--	--	**67.5**	1.8	0	**66.0**	3.3	0	64.4	4.9	0	63.3	6.0	2	62.6	6.7	2	62.6	6.7	2	62.6	6.7	2	62.0	7.3	2
R-3.28	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.5	64.7	65.3	0.6	0.8	B(67)	--	--	--	--	64.5	0.8	0	63.4	1.9	0	61.8	3.5	0	60.1	5.2	2	59.1	6.2	2	58.6	6.7	2	58.1	7.2	2	57.7	7.6	2
R-3.29	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.9**	**71.1**	**71.5**	0.4	0.6	B(67)	A/E	--	--	--	**69.6**	1.9	0	**67.8**	3.7	0	65.6	5.9	2	63.7	7.8	2	62.9	8.6	2	64.6	6.9	2	63.6	7.9	2	63.1	8.4	2
R-3.30	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.2	65.4	**66.0**	0.6	0.8	B(67)	A/E	--	--	--	65.1	0.9	0	63.9	2.1	0	62.4	3.6	0	61.4	4.6	0	60.8	5.2	2	60.3	5.7	2	59.9	6.1	2	59.6	6.4	2
R-3.31	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.3**	0.6	0.8	B(67)	A/E	--	--	--	**68.8**	1.5	0	**66.7**	3.6	0	64.8	5.5	2	63.9	6.4	2	64.9	5.4	2	64.3	6.0	2	63.1	7.2	2	62.4	7.9	2
R-3.32	EW 3.1	NB 3.3	Hayes Street	Residential	2	**66.7**	**66.9**	**67.5**	0.6	0.8	B(67)	A/E	--	--	--	**66.6**	0.9	0	65.5	2.0	0	64.0	3.5	0	63.1	4.4	0	62.5	5.0	2	62.0	5.5	2	61.5	6.0	2	61.1	6.4	2
R-3.33	EW 3.1	NB 3.3	Hayes Street	Residential	2	**72.5**	**72.7**	**73.1**	0.4	0.6	B(67)	A/E	--	--	--	**70.9**	2.2	0	**68.9**	4.2	0	**66.9**	6.2	2	65.8	7.3	2	**66.6**	6.5	2	65.8	7.3	2	65.3	7.8	2	64.3	8.8	2
R-3.34	EW 3.1	NB 3.3	Hayes Street	Residential	3	65.8	**66.0**	**66.5**	0.5	0.7	B(67)	A/E	--	--	--	65.8	0.7	0	64.7	1.8	0	63.2	3.3	0	62.2	4.3	0	61.6	4.9	0	61.0	5.5	3	60.6	5.9	3	60.2	6.3	3
R-3.35	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.2**	**72.5**	**73.0**	0.5	0.8	B(67)	A/E	--	--	--	**71.4**	1.6	0	**69.3**	3.7	0	**67.1**	5.9	3	65.9	7.1	3	65.1	7.9	3	**66.9**	6.1	3	**66.1**	6.9	3	65.4	7.6	3
R-3.36	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.9	**66.1**	**66.7**	0.6	0.8	B(67)	A/E	--	--	--	**66.0**	0.7	0	64.8	1.9	0	63.3	3.4	0	62.4	4.3	0	61.7	5.0	2	61.3	5.4	2	60.9	5.8	2	61.3	5.4	2
R-3.37	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.1**	**68.4**	**69.0**	0.6	0.9	B(67)	A/E	--	--	--	**68.0**	1.0	0	**66.3**	2.7	0	64.1	4.9	0	63.2	5.8	2	65.7	3.3	0	64.7	4.3	0	63.7	5.3	2	63.2	5.8	2
R-3.38	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.6	64.9	65.6	0.7	1.0	B(67)	--	--	--	--	65.0	0.6	0	63.9	1.7	0	62.3	3.3	0	61.4	4.2	0	61.0	4.6	0	60.7	4.9	0	60.5	5.1	4	61.2	4.4	0
R-3.39	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.2	64.4	65.0	0.6	0.8	B(67)	--	--	--	--	63.9	1.1	0	62.6	2.4	0	61.0	4.0	0	60.0	5.0	4	59.3	5.7	4	58.8	6.2	4	58.5	6.5	4	60.0	5.0	4
R-3.40	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.6**	**66.9**	**67.5**	0.6	0.9	B(67)	A/E	--	--	--	**66.6**	0.9	0	65.5	2.0	0	64.0	3.5	0	63.0	4.5	0	62.3	5.2	3	61.8	5.7	3	61.4	6.1	3	61.0	6.5	3
R-3.41	EW 3.1	NB 3.3	Hayes Street	Residential	3	**72.5**	**72.8**	**73.4**	0.6	0.9	B(67)	A/E	--	--	--	**71.3**	2.1	0	**69.4**	4.0	0	**67.3**	6.1	3	**66.0**	7.4	3	65.4	8.0	3	**66.7**	6.7	3	**66.0**	7.4	3	65.5	7.9	3
R-3.42	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.0	65.3	65.8	0.5	0.8	B(67)	--	--	--	--	64.8	1.0	0	63.6	2.2	0	62.1	3.7	0	61.2	4.6	0	60.6	5.2	2	60.1	5.7	2	59.7	6.1	2	60.8	5.0	2
R-3.43	EW 3.1	NB 3.3	Hayes Street	Residential	2	**71.7**	**71.9**	**72.3**	0.4	0.6	B(67)	A/E	--	--	--	**70.2**	2.1	0	**68.1**	4.2	0	**66.2**	6.1	2	64.9	7.4	2	64.9	7.4	2	64.9	7.4	2	64.9	7.4	2	64.9	7.4	2
R-3.44	EW 3.1	NB 3.3	Hayes Street	Residential	2	60.7	60.9	61.4	0.5	0.7	B(67)	--	--	--	--	60.8	0.6	0	59.9	1.5	0	58.7	2.7	0	57.1	4.3	0	57.1	4.3	0	57.1	4.3	0	57.1	4.3	0	57.1	4.3	0
R-3.45	EW 3.1	NB 3.3	Hayes Street	Residential	2	65.4	65.6	**66.2**	0.6	0.8	B(67)	A/E	--	--	--	64.9	1.3	0	63.3	2.9	0	61.7	4.5	0	59.7	6.5	2	59.7	6.5	2	59.7	6.5	2	59.7	6.5	2	59.7	6.5	2
R-3.46	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.5	59.7	60.4	0.7	0.9	B(67)	--	--	--	--	60.0	0.4	0	59.4	1.0	0	58.2	2.2	0	56.1	4.3	0	56.1	4.3	0	56.1	4.3	0	56.1	4.3	0	56.1	4.3	0
R-3.47	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.1	62.3	62.9	0.6	0.8	B(67)	--	--	--	--	62.4	0.5	0	61.7	1.2	0	60.5	2.4	0	58.2	4.7	0	58.2	4.7	0	58.2	4.7	0	58.2	4.7	0	58.2	4.7	0
R-3.48	EW 3.1	NB 3.3	Hayes Street	Residential	4	61.9	62.1	62.6	0.5	0.7	B(67)	--	--	--	--	62.2	0.4	0	61.6	1.0	0	60.6	2.0	0	58.8	3.8	0	58.8	3.8	0	58.8	3.8	0	58.8	3.8	0	58.8	3.8	0
R-3.49	EW 3.1	NB 3.3	Hayes Street	Residential	4	60.7	61.0	61.5	0.5	0.8	B(67)	--	--	--	--	61.0	0.5	0	60.2	1.3	0	59.1	2.4	0	56.9	4.6	0	56.9	4.6	0	56.9	4.6	0	56.9	4.6	0	56.9	4.6	0
R-3.50	EW 3.1	NB 3.3	Hayes Street	Residential	3	61.6	61.9	62.4	0.5	0.8	B(67)	--	--	--	--	62.0	0.4	0	61.3	1.1	0	60.2	2.2	0	58.4	4.0	0	58.4	4.0	0	58.4	4.0	0	58.4	4.0	0	58.4	4.0	0
R-3.51	EW 3.1	NB 3.3	Hayes Street	Residential	3	**66.8**	**67.1**	**67.6**	0.5	0.8	B(67)	A/E	--	--	--	**66.3**	1.3	0	65.1	2.5	0	63.6	4.0	0	61.4	6.2	3	61.4	6.2	3	61.4	6.2	3	61.4	6.2	3	61.4	6.2	3
R-3.52	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.5	62.8	63.3	0.5	0.8	B(67)	--	--	--	--	62.7	0.6	0	62.0	1.3	0	61.0	2.3	0	59.3	4.0	0	59.3	4.0	0	59.3	4.0	0	59.3	4.0	0	59.3	4.0	0
R-3.53	EW 3.1	NB 3.3	Hayes Street	Residential	3	**67.7**	**67.9**	**68.6**	0.7	0.9	B(67)	A/E	--	--	--	**67.0**	1.6	0	65.7	2.9	0	64.3	4.3	0	62.0	6.6	3	62.0	6.6	3	62.0	6.6	3	62.0	6.6	3	62.0	6.6	3
R-3.54	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.3	62.6	62.9	0.3	0.6	B(67)	--	--	--	--	61.7	1.2	0	60.7	2.2	0	59.5	3.4	0	57.9	5.0	2	57.9	5.0	2	57.9	5.0	2	57.9	5.0	2	57.9	5.0	2
R-3.55	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.9**	**68.1**	**68.8**	0.7	0.9	B(67)	A/E	--	--	--	**66.4**	2.4	0	64.7	4.1	0	62.6	6.2	2	60.3	8.5	2	60.3	8.5	2	60.3	8.5	2	60.3	8.5	2	60.3	8.5	2
R-3.56	EW 3.1	NB 3.3	Hayes Street	Residential	2	59.6	59.8	60.4	0.6	0.8	B(67)	--	--	--	--	59.6	0.8	0	58.3	2.1	0	56.4	4.0	0	54.7	5.7	2	54.7	5.7	2	54.7	5.7	2	54.7	5.7	2	54.7	5.7	2
R-3.57	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.9	63.1	63.9	0.8	1.0	B(67)	--	--	--	--	62.7	1.2	0	61.2	2.7	0	59.4	4.5	0	58.3	5.6	2	58.3	5.6	2	58.3	5.6	2	58.3	5.6	2	58.3	5.6	2
R-3.58	EW 3.1	NB 3.3	Hayes Street	Residential	4	62.8	63.0	63.6	0.6	0.8	B(67)	--	--	--	--	62.9	0.7	0	62.0	1.6	0	60.6	3.0	0	59.4	4.2	0	59.4	4.2	0	59.4	4.2	0	59.4	4.2	0	59.4	4.2	0
R-3.59	EW 3.1	NB 3.3	Hayes Street	Residential	3	62.7	63.0	63.5	0.5	0.8	B(67)	--	--	--	--	62.8	0.7	0	61.9	1.6	0	60.4	3.1	0	59.2	4.3	0	59.2	4.3	0	59.2	4.3	0	59.2	4.3	0	59.2	4.3	0
R-3.60	EW 3.1	NB 3.3	Hayes Street	Residential	3	**68.4**	**68.6**	**69.3**	0.7	0.9	B(67)	A/E	--	--	--	**67.7**	1.6	0	**66.0**	3.3	0	64.0	5.3	3	62.5	6.8	3	62.5	6.8	3	62.5	6.8	3	62.5	6.8	3	62.5	6.8	3
R-3.61	EW 3.1	NB 3.3	Hayes Street	Residential	3	63.9	64.2	64.8	0.6	0.9	B(67)	--	--	--	--	64.0	0.8	0	62.8	2.0	0	61.5	3.3	0	60.0	4.8	0	60.0	4.8	0	60.0	4.8	0	60.0	4.8	0	60.0	4.8	0
R-3.62	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.2**	**69.5**	**70.2**	0.7	1.0	B(67)	A/E	--	--	--	**69.3**	0.9	0	**67.5**	2.7	0	65.3	4.9	0	63.2	7.0	3	63.2	7.0	3	63.2	7.0	3	63.2	7.0	3	63.2	7.0	3
R-3.63	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.0	63.3	63.9	0.6	0.9	B(67)	--	--	--	--	63.2	0.7	0	62.1	1.8	0	60.7	3.2	0	59.3	4.6	0	59.3	4.6	0	59.3	4.6	0	59.3	4.6	0	59.3	4.6	0
R-3.64	EW 3.1	NB 3.3	Hayes Street	Residential	2	**68.0**	**68.2**	**69.0**	0.8	1.0	B(67)	A/E	--	--	--	**67.8**	1.2	0	65.9	3.1	0	64.0	5.0	2	62.1	6.9	2	62.1	6.9	2	62.1	6.9	2	62.1	6.9	2	62.1	6.9	2
R-3.65	EW 3.1	NB 3.3	Hayes Street	Residential	2	62.7	63.0	63.7	0.7	1.0	B(67)	--	--	--	--	62.6	1.1	0	60.8	2.9	0	59.3	4.4	0	57.5	6.2	2	57.5	6.2	2	57.5	6.2	2	57.5	6.2	2	57.5	6.2	2
R-3.66	EW 3.1	NB 3.3	Hayes Street	Residential	2	**67.6**	**67.9**	**68.6**	0.7	1.0	B(67)	A/E	--	--	--	**67.1**	1.5	0	65.0	3.6	0	63.3	5.3	2	60.7	7.9	2	60.7	7.9	2	60.7	7.9	2	60.7	7.9	2	60.7	7.9	2
R-3.67	EW 3.1	NB 3.3	Hayes Street	Residential	2	64.9	65.2	65.9	0.7	1.0	B(67)	--	--	--	--	64.4	1.5	0	62.6	3.3	0	61.0	4.9	0	59.6	6.3	2	59.6	6.3	2	59.6	6.3	2	59.6	6.3	2	59.6	6.3	2
R-3.68	EW 3.1	NB 3.3	Hayes Street	Residential	2	**70.5**	**70.8**	**71.5**	0.7	1.0	B(67)	A/E	--	--	--	**70.2**	1.3	0	**67.6**	3.9	0	65.4	6.1	2	62.8	8.7	2	62.8	8.7	2	62.8	8.7	2	62.8	8.7	2	62.8	8.7	2
R-3.69	EW 3.1	NB 3.3	Hayes Street	Residential	2	63.9	64.2	64.9	0.7	1.0	B(67)	--	--	--	--	63.4	1.5	0	62.4	2.5	0	61.3	3.6	0	59.5	5.4	2	59.5	5.4	2	59.5	5.4	2	59.5	5.4	2	59.5	5.4	2
R-3.70	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.8**	**70.0**	**70.9**	0.9	1.1	B(67)	A/E	--	--	--	**69.0**	1.9	0	**66.9**	4.0	0	65.2	5.7	2	62.8	8.1	2	62.8	8.1	2	62.8	8.1	2	62.8	8.1	2	62.8	8.1	2
R-3.71	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.8	65.1	65.7	0.6	0.9	B(67)	--	--	--	--	65.0	0.7	0	63.9	1.8	0	62.9	2.8	0	61.1	4.6	0	61.1	4.6	0	61.1	4.6	0	61.1	4.6	0	61.1	4.6	0
R-3.72	EW 3.1	NB 3.3	Hayes Street	Residential	3	**70.0**	**70.2**	**70.9**	0.7	0.9	B(67)	A/E	--	--	--	**70.1**	0.8	0	**69.0**	1.9	0	**67.0**	3.9	0	64.5	6.4	3	64.5	6.4	3	64.5	6.4	3	64.5	6.4	3	64.5	6.4	3
R-3.73	EW 3.1	NB 3.3	Hayes Street	Residential	3	64.1	64.4	65.0	0.6	0.9	B(67)	--	--	--	--	64.2	0.8	0	63.5	1.5	0	62.5	2.5	0	61.0	4.0	0	61.0	4.0	0	61.0	4.0	0	61.0	4.0	0	61.0	4.0	0
R-3.74	EW 3.1	NB 3.3	Hayes Street	Residential	3	**69.8**	**70.0**	**70.9**	0.9	1.1	B(67)	A/E	--	--	--	**70.0**	0.9	0	**68.3**	2.6	0	**66.7**	4.2	0	64.5	6.4	3	64.5	6.4	3	64.5	6.4	3	64.5	6.4	3	64.5	6.4	3

Table J-6: Predicted Future Noise Level and Noise Barrier for Alternative 2B with Design Options

Receptor No.	Existing Wall No.[1]	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$[2]	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[6,7]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[2]	With Project, dBA Leq[2,3]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)[4]	Impact Type[5]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-3.75	EW 3.1	NB 3.3	Hayes Street	Residential	4	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	64.3	0.8	0	63.5	1.6	0	62.5	2.6	0	60.9	4.2	0	60.9	4.2	0	60.9	4.2	0	60.9	4.2	0	60.9	4.2	0
R-3.76	EW 3.1	NB 3.3	Hayes Street	Residential	4	63.1	63.4	64.0	0.6	0.9	B(67)	--	--	--	--	62.6	1.4	0	61.7	2.3	0	60.5	3.5	0	58.9	5.1	4	57.7	6.3	4	57.0	7.0	4	56.3	7.7	4	55.9	8.1	4
R-3.77	EW 3.1	NB 3.3	Hayes Street	Residential	2	**69.5**	**69.7**	**70.5**	0.8	1.0	B(67)	A/E	--	--	--	**68.4**	2.1	0	**66.8**	3.7	0	64.8	5.7	2	62.6	7.9	2	62.6	7.9	2	62.6	7.9	2	62.6	7.9	2	62.6	7.9	2
R-3.78	EW 3.1	NB 3.3	Huntington	Residential	2	64.3	64.6	65.1	0.5	0.8	B(67)	--	--	--	--	63.8	1.3	0	62.9	2.2	0	62.1	3.0	0	60.8	4.3	0	60.8	4.3	0	60.8	4.3	0	60.8	4.3	0	60.8	4.3	0
R-3.79	EW 3.1	NB 3.3	Huntington	Residential	2	**70.4**	**70.6**	**71.5**	0.9	1.1	B(67)	A/E	--	--	--	**69.0**	2.5	0	**67.4**	4.1	0	65.7	5.8	2	63.8	7.7	2	63.8	7.7	2	63.8	7.7	2	63.8	7.7	2	63.8	7.7	2
R-3.80	EW 3.1	NB 3.3	Huntington	Residential	3	64.1	64.4	65.0	0.6	0.9	B(67)	--	--	--	--	64.3	0.7	0	63.6	1.4	0	62.9	2.1	0	61.5	3.5	0	61.5	3.5	0	61.5	3.5	0	61.5	3.5	0	61.5	3.5	0
R-3.81	EW 3.1	NB 3.3	Huntington	Residential	3	**69.0**	**69.3**	**70.2**	0.9	1.2	B(67)	A/E	--	--	--	**69.3**	0.9	0	**67.9**	2.3	0	**66.6**	3.6	0	64.5	5.7	3	64.5	5.7	3	64.5	5.7	3	64.5	5.7	3	64.5	5.7	3
R-3.82	EW 3.1	NB 3.3	Huntington	Residential	3	64.4	64.7	65.2	0.5	0.8	B(67)	--	--	--	--	64.8	0.4	0	64.3	0.9	0	63.8	1.4	0	62.5	2.7	0	62.5	2.7	0	62.5	2.7	0	62.5	2.7	0	62.5	2.7	0
R-3.83	EW 3.1	NB 3.3	Huntington	Residential	3	**69.2**	**69.5**	**70.1**	0.6	0.9	B(67)	A/E	--	--	--	**69.7**	0.4	0	**68.9**	1.2	0	**68.1**	2.0	0	65.9	4.2	0	65.9	4.2	0	65.9	4.2	0	65.9	4.2	0	65.9	4.2	0
R-3.84	EW 3.1	NB 3.3	Huntington	Residential	4	55.3	55.6	56.2	0.6	0.9	B(67)	--	--	--	--	56.0	0.2	0	55.5	0.7	0	55.0	1.2	0	54.0	2.2	0	54.0	2.2	0	54.0	2.2	0	54.0	2.2	0	54.0	2.2	0
R-3.85	EW 3.1	NB 3.3	Huntington	Residential	2	59.3	59.5	60.2	0.7	0.9	B(67)	--	--	--	--	60.0	0.2	0	59.5	0.7	0	59.1	1.1	0	58.4	1.8	0	58.4	1.8	0	58.4	1.8	0	58.4	1.8	0	58.4	1.8	0
R-3.86	EW 3.1	NB 3.3	Huntington	Residential	2	61.1	61.4	62.0	0.6	0.9	B(67)	--	--	--	--	61.4	0.6	0	60.8	1.2	0	59.9	2.1	0	57.7	4.3	0	57.7	4.3	0	57.7	4.3	0	57.7	4.3	0	57.7	4.3	0
R-3.87	EW 3.1	NB 3.3	Huntington	Residential	2	65.5	65.7	**66.4**	0.7	0.9	B(67)	A/E	--	--	--	65.2	1.2	0	64.2	2.2	0	63.1	3.3	0	60.9	5.5	2	60.9	5.5	2	60.9	5.5	2	60.9	5.5	2	60.9	5.5	2
R-3.88	EW 3.1	NB 3.3	Huntington	Residential	2	63.4	63.7	64.3	0.6	0.9	B(67)	--	--	--	--	63.1	1.2	0	62.4	1.9	0	61.7	2.6	0	59.9	4.4	0	59.9	4.4	0	59.9	4.4	0	59.9	4.4	0	59.9	4.4	0
R-3.89	EW 3.1	NB 3.3	Huntington	Residential	2	**68.0**	**68.2**	**69.0**	0.8	1.0	B(67)	A/E	--	--	--	**67.2**	1.8	0	65.6	3.4	0	64.4	4.6	0	62.5	6.5	2	62.5	6.5	2	62.5	6.5	2	62.5	6.5	2	62.5	6.5	2
R-3.90	EW 3.1	NB 3.3	Huntington	Residential	2	63.1	63.4	64.1	0.7	1.0	B(67)	--	--	--	--	62.7	1.4	0	61.8	2.3	0	60.9	3.2	0	59.1	5.0	0	59.1	5.0	0	59.1	5.0	0	59.1	5.0	0	59.1	5.0	0
R-3.91	EW 3.1	NB 3.3	Huntington	Residential	2	**69.6**	**69.8**	**70.5**	0.7	0.9	B(67)	A/E	--	--	--	**69.3**	1.2	0	**67.0**	3.5	0	65.5	5.0	2	63.0	7.5	2	63.0	7.5	2	63.0	7.5	2	63.0	7.5	2	63.0	7.5	2
R-3.92	EW 3.2	NB 3.3	Van Buren	Residential	2	59.1	59.3	60.1	0.8	1.0	B(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	59.1	1.0	0	59.1	1.0	0	59.1	1.0	0	59.1	1.0	0	59.1	1.0	0
R-3.93	EW 3.2	NB 3.3	Van Buren	Park - Sports Area	1	58.6	58.8	59.5	0.7	0.9	C(67)	--	--	--	--	--	--	--	--	--	--	--	--	--	58.9	0.6	0	58.9	0.6	0	58.9	0.6	0	58.9	0.6	0	58.9	0.6	0
R-7.01	EW 7.1	NB 7.1	El Camino Real	Restaurant	1	63.9	64.4	65.0	0.6	1.1	E(72)	--	--	--	--	--	--	--	--	--	--	64.9	0.1	0	64.9	0.1	0	64.8	0.2	0	64.8	0.2	0	64.7	0.3	0	64.7	0.3	0
R-7.02	EW 7.1		El Camino Real	Light Industrial	1	70.7	71.2	72.1	0.9	1.4	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.03	EW 7.2	NB 7.1	El Camino Real	Residential	1	**70.8**	**71.3**	**72.1**	0.8	1.3	B(67)	A/E	--	--	--	--	--	--	--	--	--	**72.0**	0.1	0	**71.8**	0.3	0	**71.7**	0.4	0	**71.7**	0.4	0	**71.6**	0.5	0	**71.5**	0.6	0
R-7.04	EW 7.2	NB 7.1	El Camino Real	Residential	1	**70.5**	**71.1**	**72.2**	1.1	1.7	B(67)	A/E	--	--	--	--	--	--	--	--	--	**72.0**	0.2	0	**71.9**	0.3	0	**71.7**	0.5	0	**71.6**	0.6	0	**71.6**	0.6	0	**71.5**	0.7	0
R-7.05	EW 7.2	NB 7.1	El Camino Real	School - Sports Area	1	62.6	62.7	63.6	0.9	1.0	C(67)	--	--	--	--	--	--	--	--	--	--	62.3	1.3	0	61.8	1.8	0	61.4	2.2	0	61.0	2.6	0	60.7	2.9	0	60.5	3.1	0
R-7.06	EW 7.2	NB 7.1	El Camino Real	School	1	68.2 / 43.2	68.7 / 43.7	69.6 / 44.6	0.9	1.4	C(67)/D(52)	A/E	--	--	--	--	--	--	--	--	--	**69.2**	0.4	0	**69.0**	0.6	0	**68.8**	0.8	0	**68.6**	1.0	0	**68.5**	1.1	0	**68.4**	1.2	0
R-7.07	EW 7.2	NB 7.1	El Camino Real	School	1	65.5 / 40.5	65.7 / 40.7	**66.6** / 41.6	0.9	1.1	C(67)/D(52)	A/E	--	--	--	--	--	--	--	--	--	65.5	1.1	0	65.1	1.5	0	64.7	1.9	0	64.4	2.2	0	64.1	2.5	0	63.9	2.7	0
R-7.08	EW 7.2	NB 7.1	El Camino Real	School	1	65.2 / 40.2	65.4 / 40.4	66.6 / 41.6	1.2	1.4	D(52)	A/E	--	--	--	--	--	--	--	--	--	64.1	2.5	0	63.6	3	0	63.2	3.4	0	62.9	3.7	0	62.6	4	0	62.4	4.2	0
R-7.09			El Camino Real	Commercial	1	70.4	70.5	75.0	4.5	4.6	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.10		NB 7.1	El Camino Real	School	1	**71.8** / 46.8	**72.3** / 47.3	**73.4** / 48.4	1.1	1.6	C(67)/D(52)	A/E	**72.2**	1.2	0	**71.9**	1.5	0	**71.7**	1.7	0	**71.4**	2.0	0	**71.3**	2.1	0	**71.2**	2.2	0	**71.1**	2.3	0	**71.0**	2.4	0	**70.9**	2.5	0
R-7.11		NB 7.1	El Camino Real	Residential	1	**66.3**	**66.5**	**68.1**	1.6	1.8	B(67)	A/E	65.3	2.8	0	64.7	3.4	0	64.0	4.1	0	63.5	4.6	0	63.2	4.9	0	62.9	5.2	1	62.8	5.3	1	62.7	5.4	1	62.6	5.5	1
R-7.12			Newport Avenue	Vacant Land	1	71.0	71.1	69.7	-1.4	-1.3	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.13			Newport Avenue	Restaurant	1	72.6	73.1	75.9	2.8	3.3	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.14			El Camino Way	Commercial	1	71.6	71.7	70.7	-1.0	-0.9	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.15			Newport Avenue	Restaurant	1	67.3	67.6	69.9	2.3	2.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.16			El Camino Real	Retail	1	64.7	64.8	65.3	0.5	0.6	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.17			El Camino Real	Restaurant/ Retail	1	61.8	61.9	62.2	0.3	0.4	E(72)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.18			South B Street	Office	1	71.7	71.8	71.1	-0.7	-0.6	E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
R-7.19			South B Street	Light Industrial	1	72.8	72.9	72.3	-0.6	-0.5	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Source: LSA Associates, Inc. (June 2017).

[1] An * represents an existing wall that would be demolished as part of the project. The existing wall would be reconstructed to match the existing height at a minimum.

[2] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[3] 2050 with project traffic noise levels assumes zero feet for existing wall heights that would be demolished as part of the project.

[4] Activity Categories without outdoor frequent human use areas were not evaluated against the Noise Abatment Criteria (NAC).

[5] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[6] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

[7] Shaded cells indicate the approximate existing wall heights.

A/E = Approach or Exceed
dBA = A-weighted decibels
dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels
IL = Insertion Loss
NAC = Noise Abatement Criteria
NBR = Number of Benefitted Receptors

Table J-7: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2A (Re-evaluation)

Receptor No.	Existing Wall No.	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																			
							2050 Noise Level						Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[3]																													
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[1]	With Project, dBA Leq[1]	With Project Minus No Project Conditions	With Project Minus Existing Conditions	Activity Category (NAC)	Impact Type[2]	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-12.01[3]	EW 12.1	NB 12.1	Moore Court	Residential	1	62.0	62.3	61.7	-0.6	-0.3	B(67)	--	61.2	0.5	0	60.6	1.1	0	59.9	1.8	0	59.4	2.3	0	58.7	3.0	0	58.3	3.4	0	58.1	3.6	0	57.9	3.8	0	57.7	4.0	0
R-12.02[3]	EW 12.1	NB 12.1	Moore Court	Residential	3	63.0	63.3	62.9	-0.4	-0.1	B(67)	--	62.3	0.6	0	61.6	1.3	0	60.6	2.3	0	59.6	3.3	0	59.2	3.7	0	58.9	4.0	0	58.7	4.2	0	58.6	4.3	0	58.5	4.4	3
R-12.03[3]	EW 12.1	NB 12.1	Moore Court	Residential	3	65.8	**66.1**	**66.2**	0.1	0.4	B(67)	A/E	65.0	1.2	0	63.8	2.4	0	63.2	3.0	0	62.4	3.8	0	61.2	5.0	3	60.5	5.7	3	60.2	6.0	3	60.0	6.2	3	59.7	6.5	3
R-12.01	EW 12.1	NB 12.1/11.4	Moore Court	Residential	1	**66.1**	**66.2**	**68.3**	2.1	2.2	B(67)	A/E	**68.1**	0.2	0	**68.0**	0.3	0	**68.0**	0.3	0	**67.9**	0.4	0	**67.9**	0.4	0	**67.8**	0.5	0	**67.8**	0.5	0	**67.8**	0.5	0	**67.8**	0.5	0
R-12.02	EW 12.1	NB 12.1/11.4	Moore Court	Residential	3	**66.8**	**67.0**	**68.1**	1.1	1.3	B(67)	A/E	**67.8**	0.3	0	**67.8**	0.3	0	**67.7**	0.4	0	**67.6**	0.5	0	**67.6**	0.5	0	**67.6**	0.5	0	**67.6**	0.5	0	**67.5**	0.6	0	**67.5**	0.6	0
R-12.03	EW 12.1	NB 12.1/11.4	Moore Court	Residential	3	**68.0**	**68.2**	**69.5**	1.3	1.5	B(67)	A/E	**69.2**	0.3	0	**69.0**	0.5	0	**68.8**	0.7	0	**68.7**	0.8	0	**68.7**	0.8	0	**68.7**	0.8	0	**68.6**	0.9	0	**68.6**	0.9	0	**68.6**	0.9	0

Source: LSA Associates, Inc. (January 2018).

[1] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[2] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[3] Noise levels were calculated without traffic on Culver Drive.

[4] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

A/E = Approach or Exceed

dBA = A-weighted decibels

dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels

IL = Insertion Loss

NAC = Noise Abatement Criteria

NBR = Number of Benefitted Receptors

Table J-8: Predicted Future Noise Level and Noise Barrier Analysis for Alternative 2B (Re-evaluation)

Receptor No.	Existing Wall No.	Noise Barrier No.	Location	Land Use	No. ofUnits/Receptors	Existing Noise Level, dBA $L_{eq}(h)$	Future Worst-Hour Noise Levels, dBA $L_{eq}(h)$																																	
							2050 Noise Level				Activity Category (NAC)	Impact Type[2]	Noise Prediction With Barrier, Barrier Insertion Loss (I.L.), and Number of Benefited Receptors (NBR)[3]																										
													6 feet			8 feet			10 feet			12 feet			14 feet			16 feet			18 feet			20 feet			22 feet		
							Without Project, dBA Leq[1]	With Project, dBA Leq[1]	With Project Minus No Project Conditions	With Project Minus Existing Conditions			$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR	$L_{eq}(h)$	I.L.	NBR
R-12.01[3]	EW 12.1	NB 12.1	Moore Court	Residential	1	62.0	62.3	61.7	-0.6	-0.3	B(67)	--	61.2	0.5	0	60.6	1.1	0	60.0	1.7	0	59.4	2.3	0	58.7	3.0	0	58.3	3.4	0	58.1	3.6	0	57.9	3.8	0	57.8	3.9	0
R-12.02[3]	EW 12.1	NB 12.1	Moore Court	Residential	3	63.0	63.3	62.9	-0.6	-0.1	B(67)	--	62.3	0.6	0	61.6	1.3	0	60.6	2.3	0	59.6	3.3	0	59.2	3.7	0	58.9	4.0	0	58.8	4.1	0	58.6	4.3	0	58.5	4.4	0
R-12.03[3]	EW 12.1	NB 12.1	Moore Court	Residential	3	65.8	**66.1**	**66.2**	0.1	0.4	B(67)	A/E	64.9	1.3	0	63.7	2.5	0	63.1	3.1	0	62.3	3.9	0	61.2	5.0	3	60.6	5.6	3	60.2	6.0	3	60.0	6.2	3	59.8	6.4	3
R-12.01	EW 12.1	NB 12.3/11.4	Moore Court	Residential	1	**66.1**	**66.2**	**68.3**	2.1	2.2	B(67)	A/E	**68.1**	0.2	0	**68.0**	0.3	0	**68.0**	0.3	0	**67.9**	0.4	0	**67.9**	0.4	0	**67.8**	0.5	0	**67.8**	0.5	0	**67.8**	0.5	0	**67.8**	0.5	0
R-12.02	EW 12.1	NB 12.3/11.4	Moore Court	Residential	3	**66.8**	**67.0**	**68.1**	1.1	1.3	B(67)	A/E	**67.8**	0.3	0	**67.8**	0.3	0	**67.7**	0.4	0	**67.6**	0.5	0	**67.6**	0.5	0	**67.6**	0.5	0	**67.6**	0.5	0	**67.5**	0.6	0	**67.5**	0.6	0
R-12.03	EW 12.1	NB 12.3/11.4	Moore Court	Residential	3	**68.0**	**68.2**	**69.5**	1.3	1.5	B(67)	A/E	**69.2**	0.3	0	**69.0**	0.5	0	**68.8**	0.7	0	**68.7**	0.8	0	**68.7**	0.8	0	**68.7**	0.8	0	**68.6**	0.9	0	**68.6**	0.9	0	**68.6**	0.9	0

Source: LSA Associates, Inc. (January 2018).

[1] Numbers in **bold** represent noise levels that approach or exceed the NAC.

[2] A dash (–) indicates that no barrier was analyzed at this location because the modeled receptor would not approach or exceed the NAC.

[3] Noise levels were calculated without traffic on Culver Drive.

[4] Underlined numbers have been attenuated by at least 5 dBA (i.e., feasible wall height).

A/E = Approach or Exceed

dBA = A-weighted decibels

dBA $L_{eq}(h)$ = equivalent continuous sound level measured per hour in A-weighted decibels

IL = Insertion Loss

NAC = Noise Abatement Criteria

NBR = Number of Benefitted Receptors



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

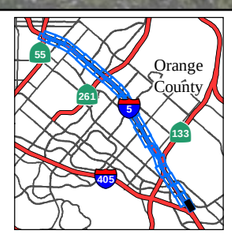


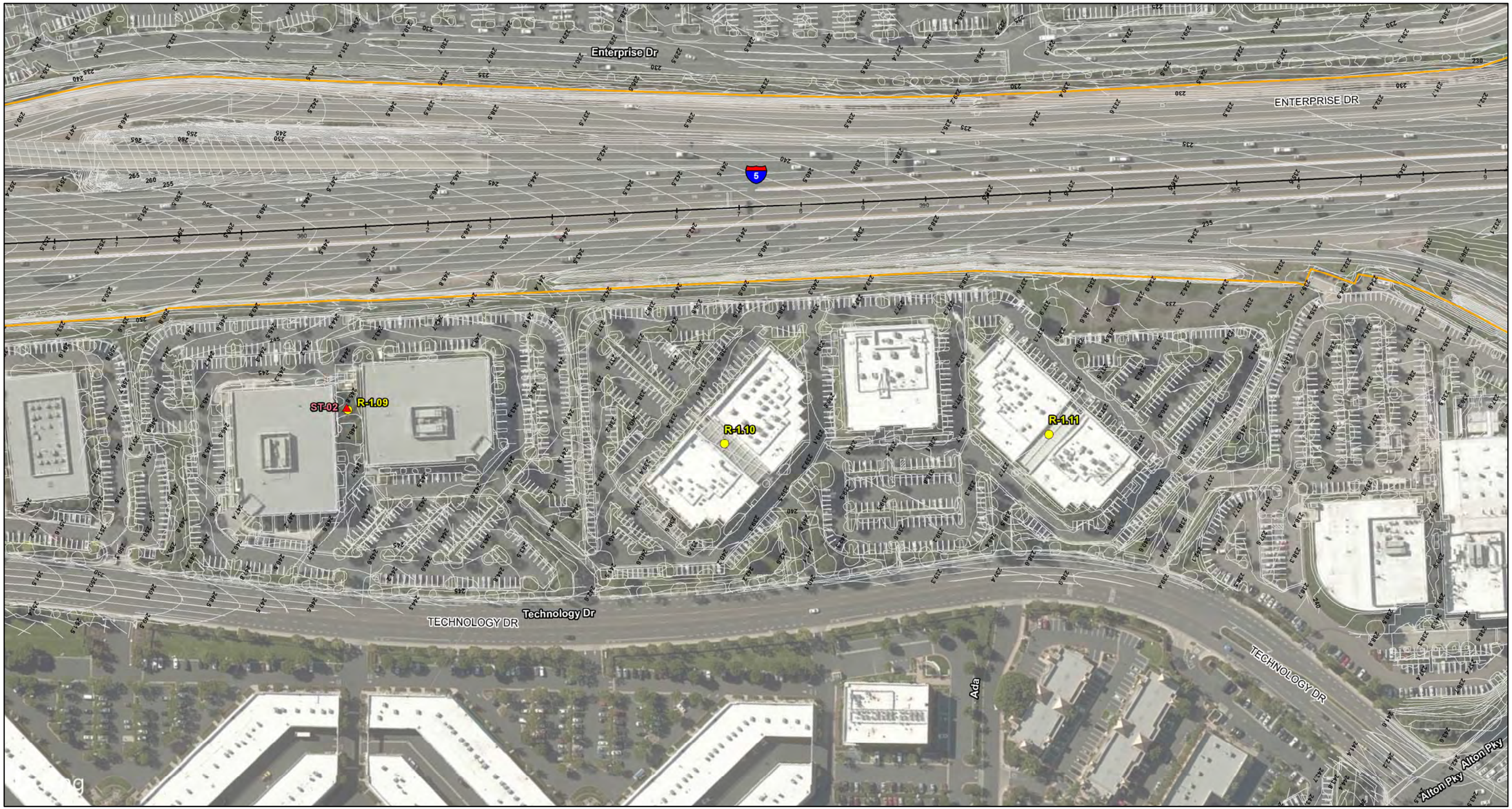
FIGURE J-1
Sheet 1 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

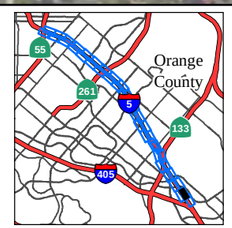
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



SOURCE: Bing Maps (2015); AECOM (2016)

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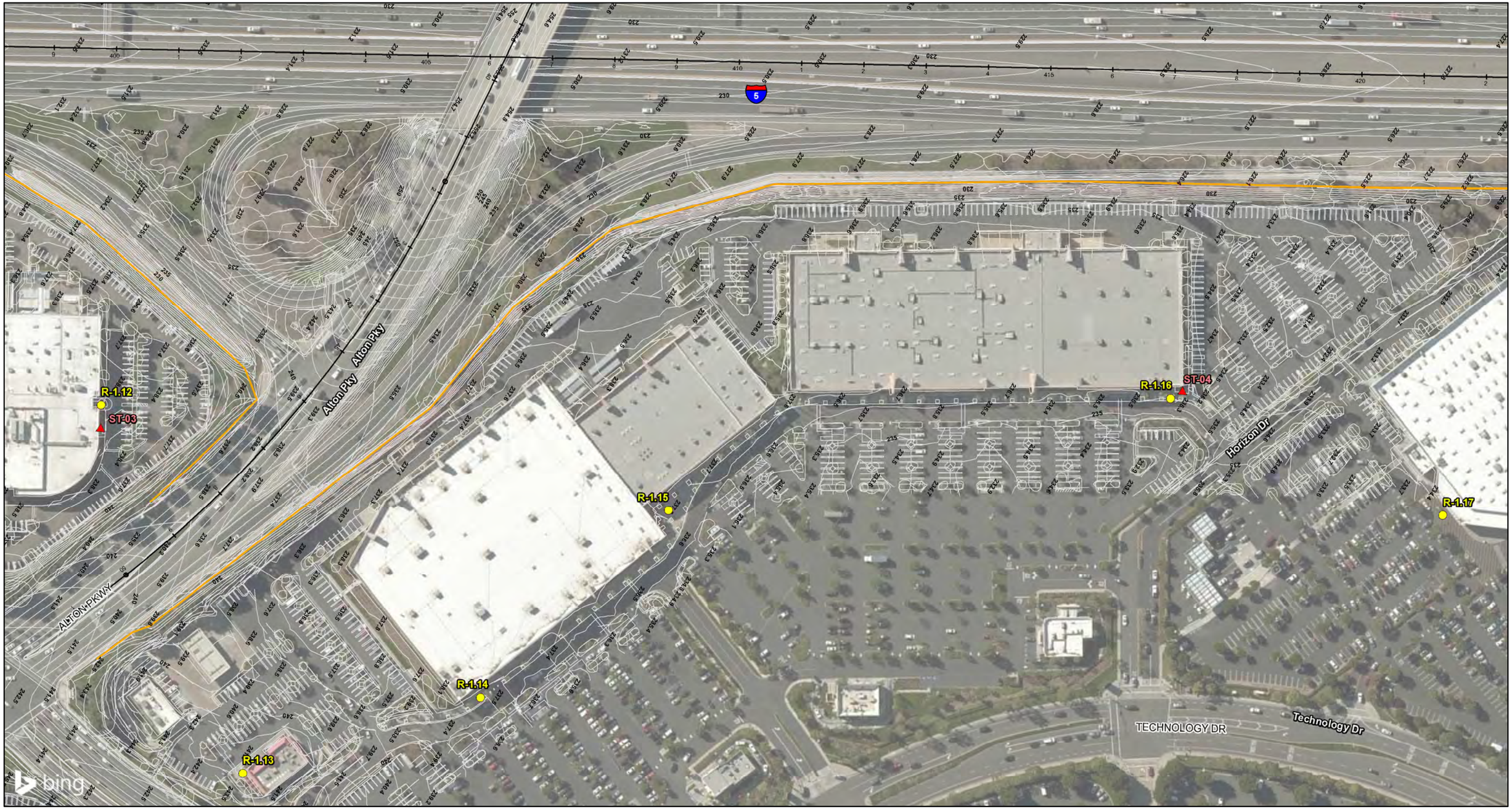
FIGURE J-1
Sheet 2 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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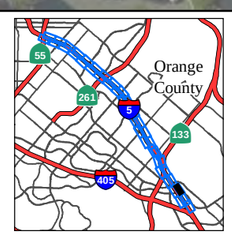


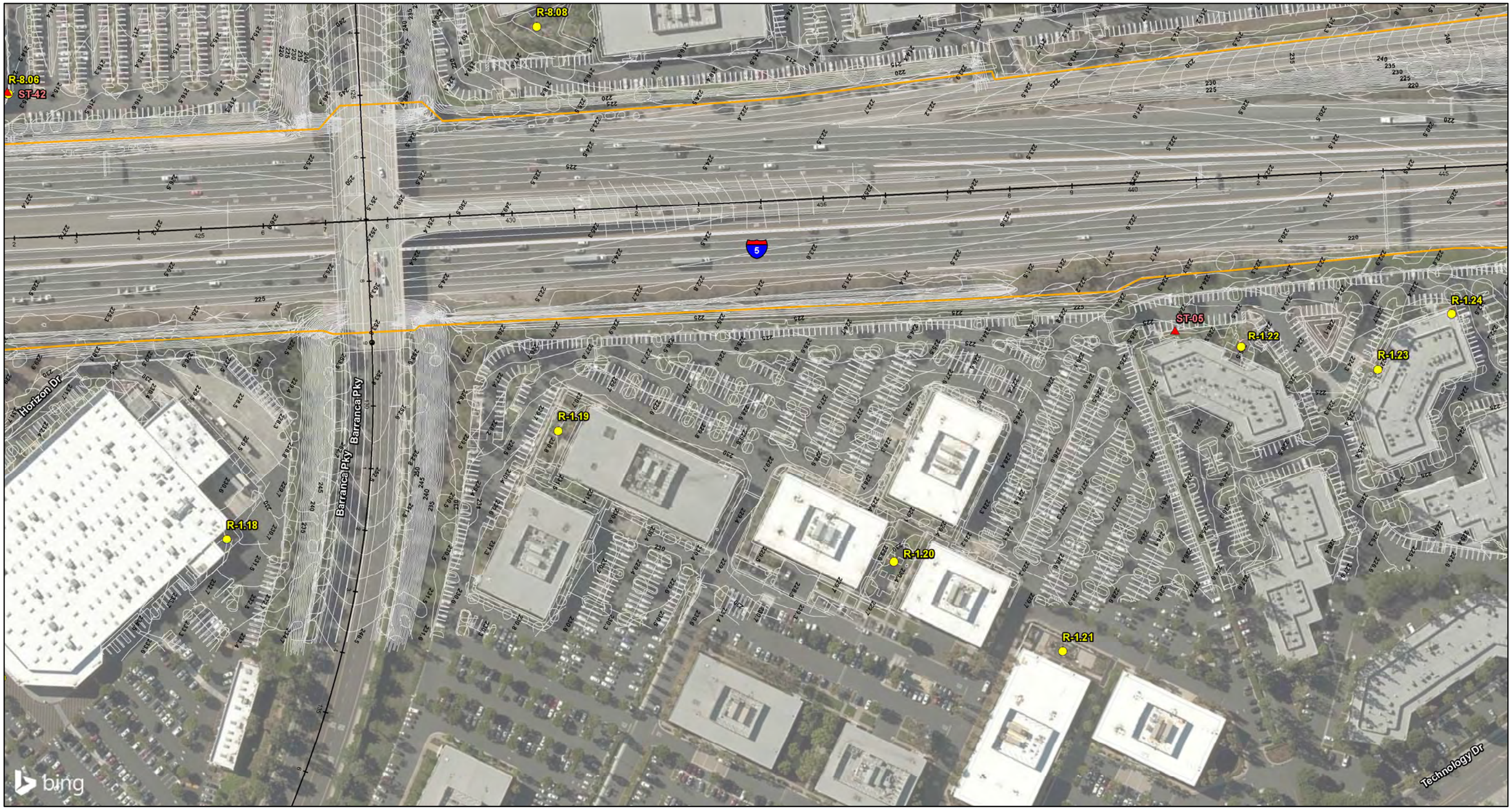
FIGURE J-1
Sheet 3 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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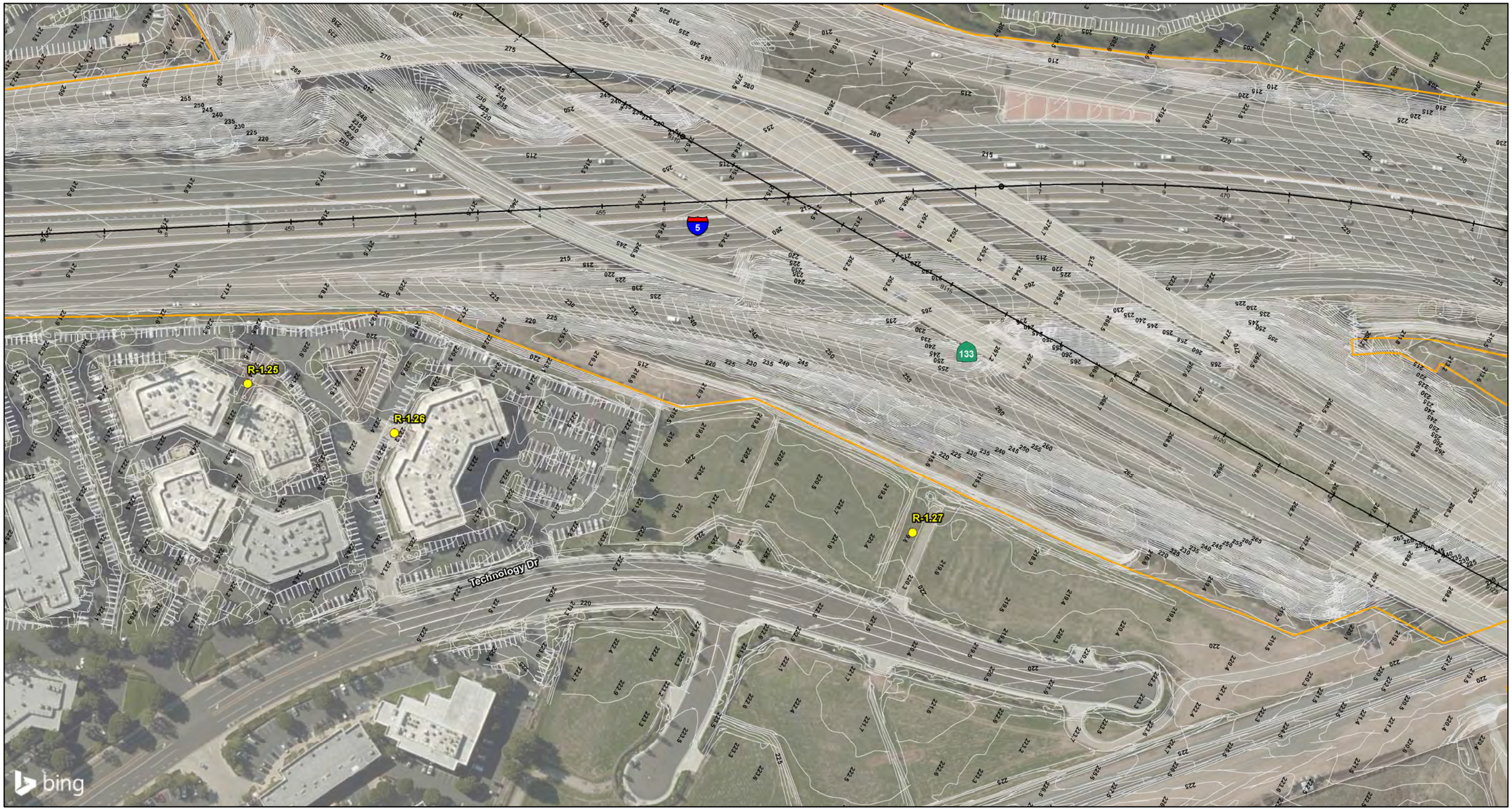
FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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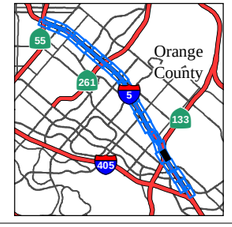


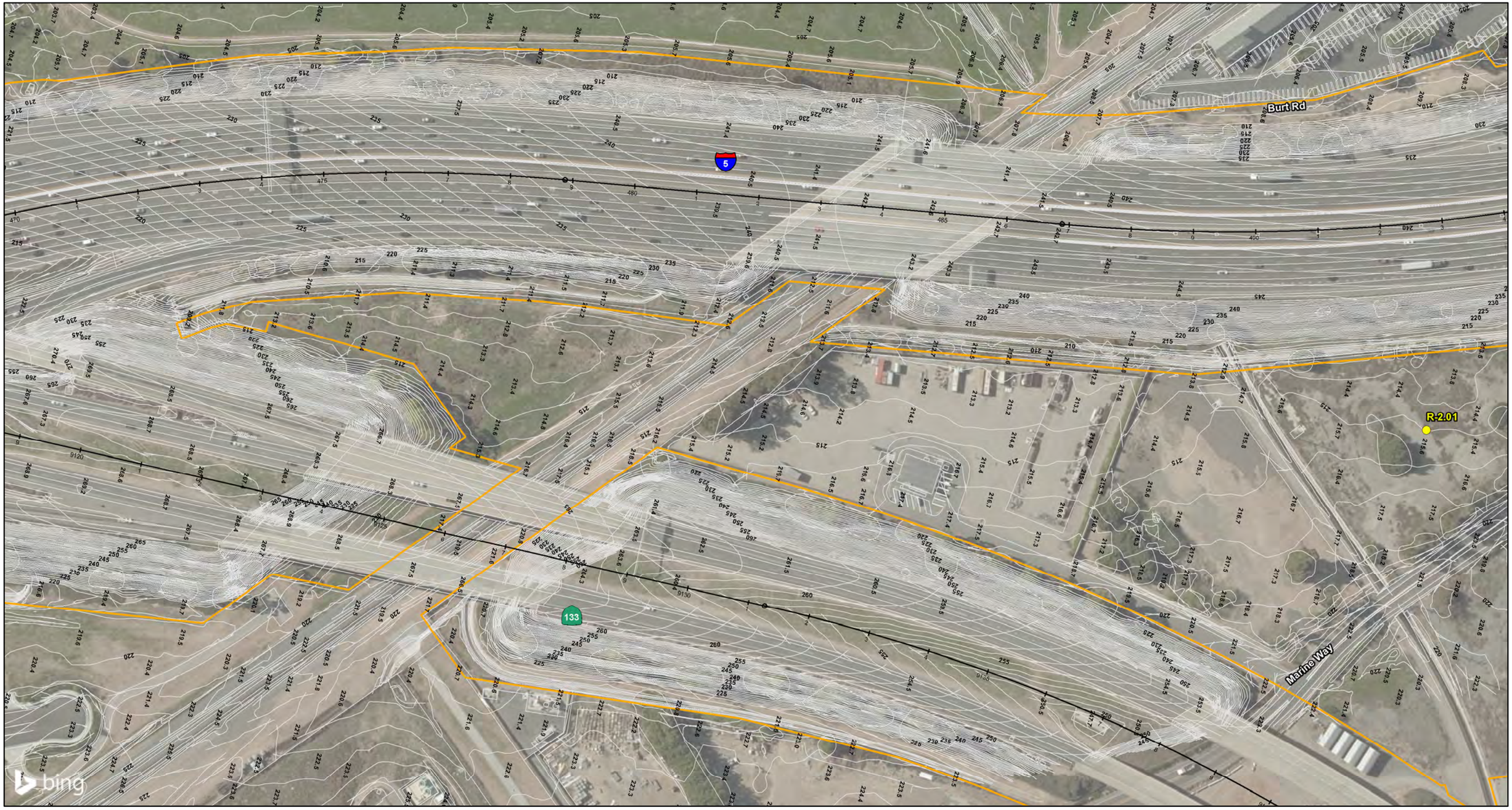
FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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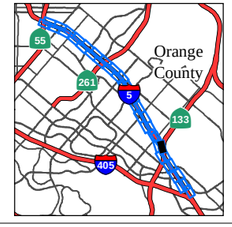


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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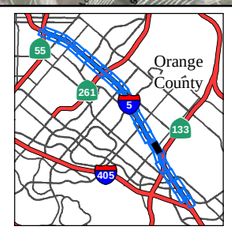


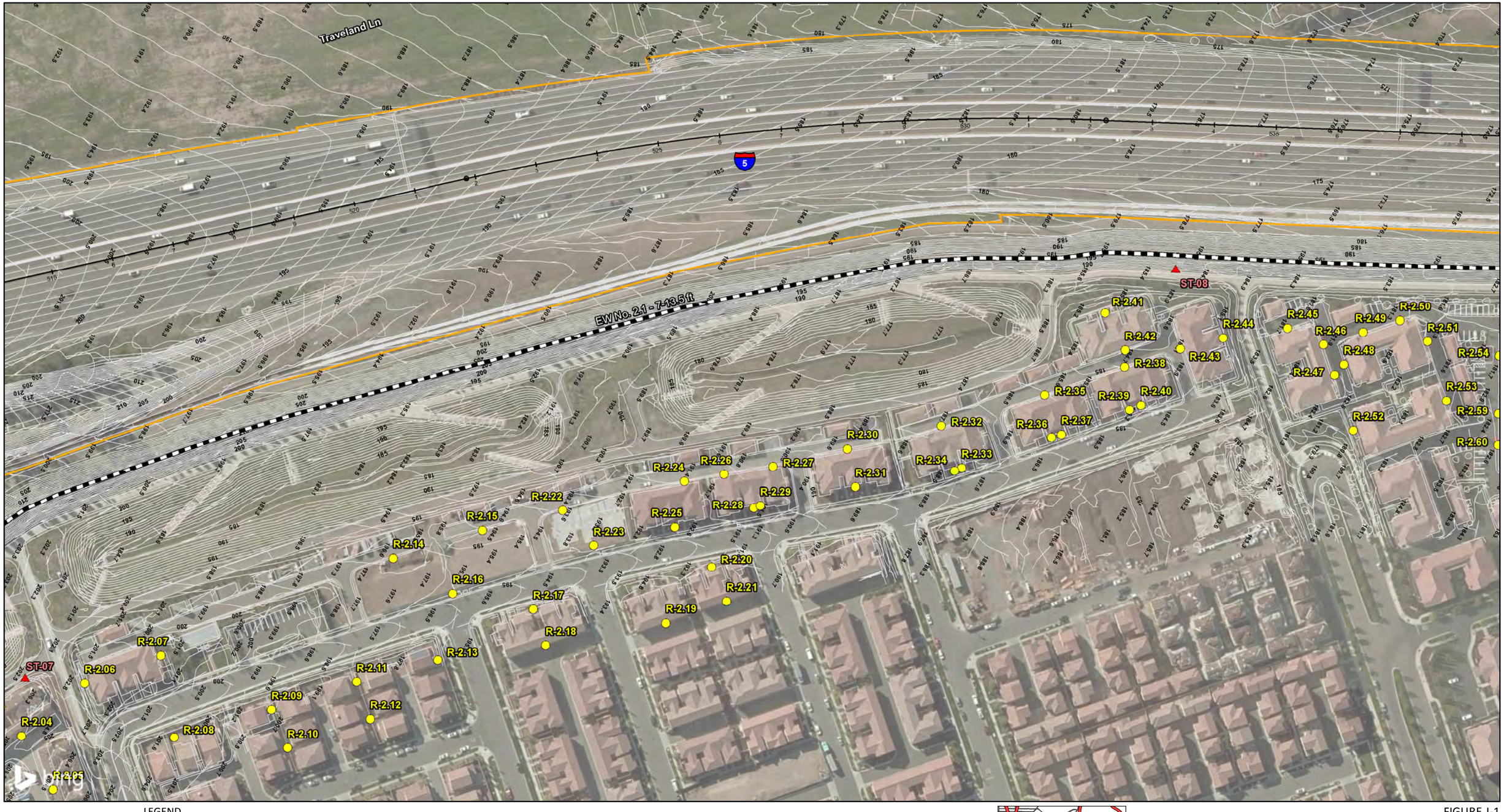
FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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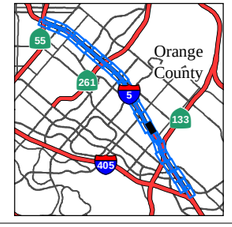


FIGURE J-1
Sheet 8 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

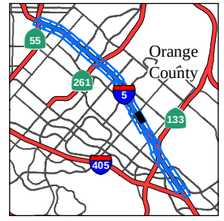
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



SOURCE: Bing Maps (2015); AECOM (2016)

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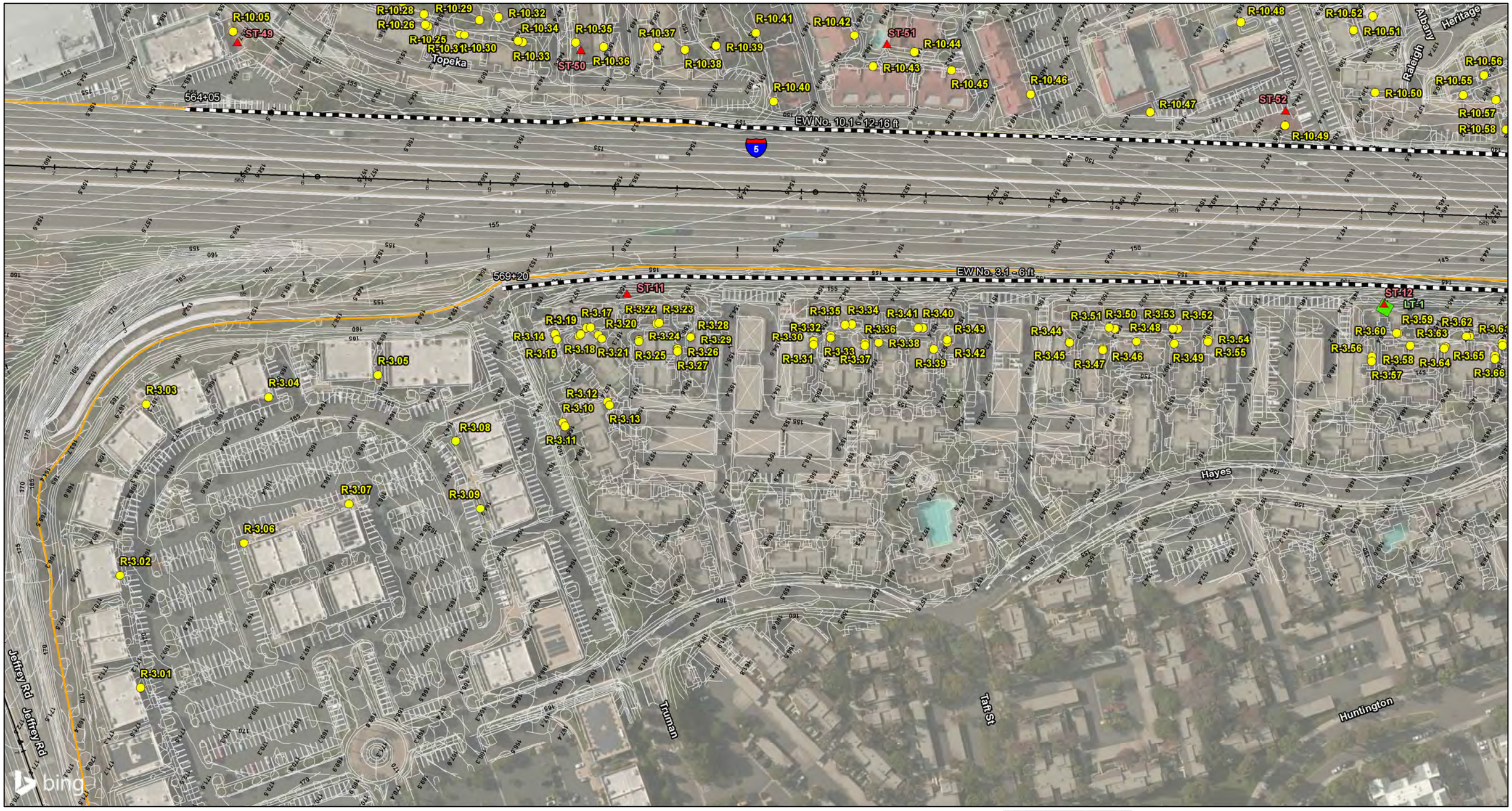
FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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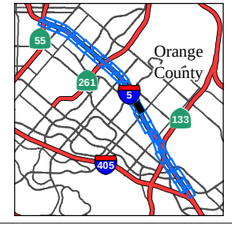


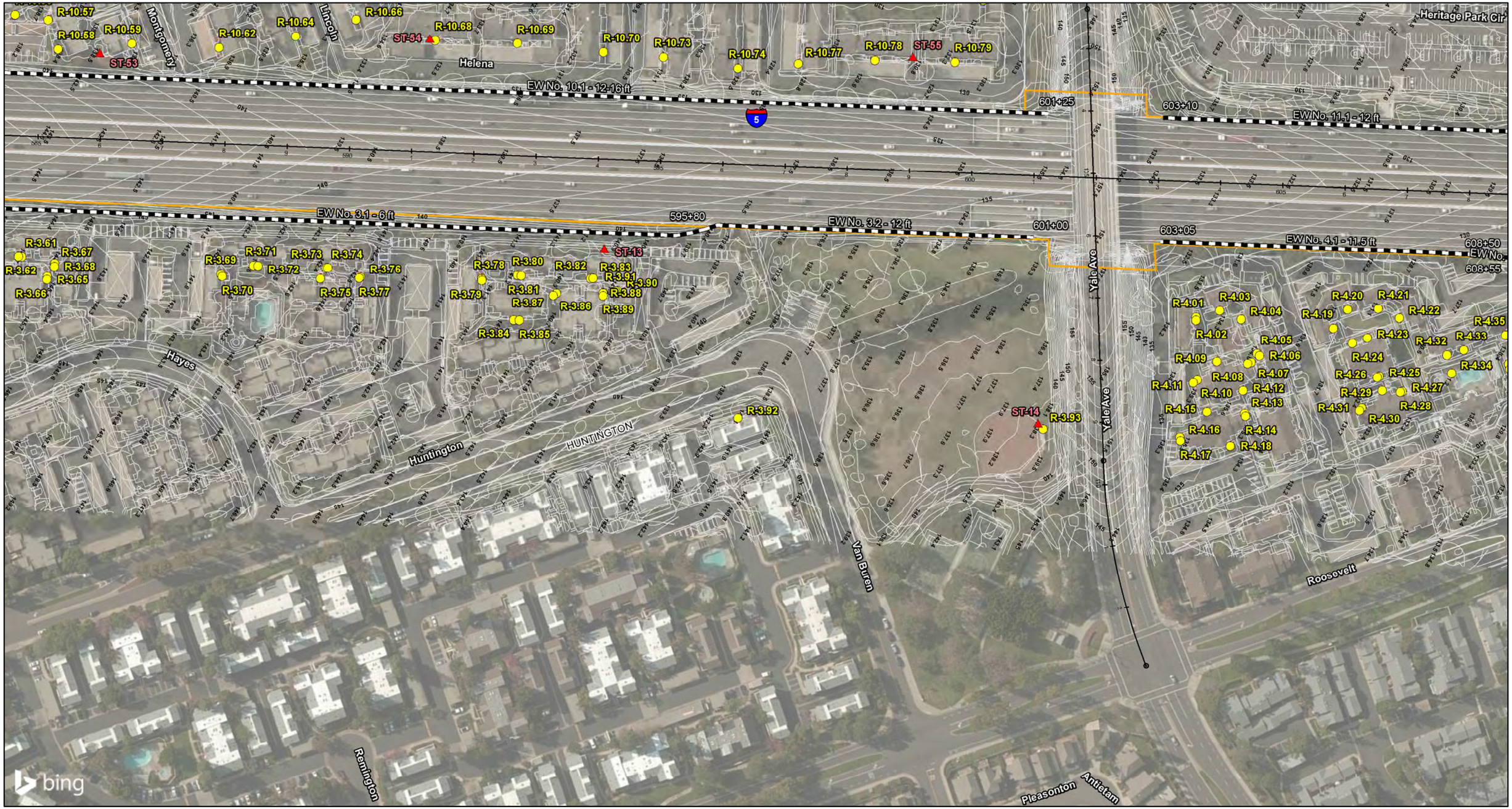
FIGURE J-1
Sheet 10 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

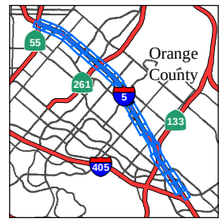
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LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



SOURCE: Bing Maps (2015); AECOM (2016)

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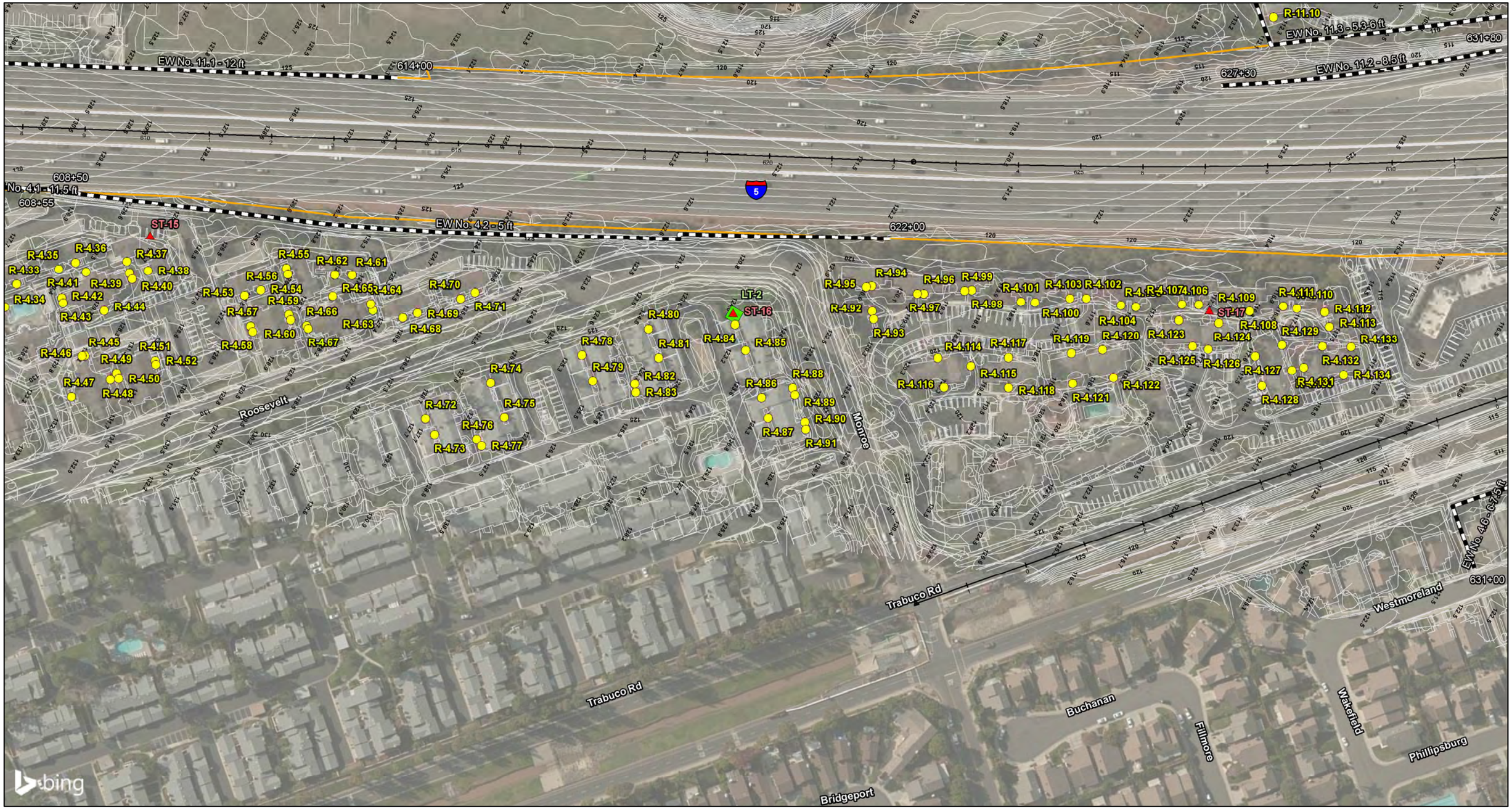
FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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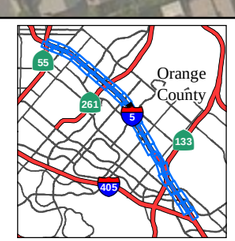


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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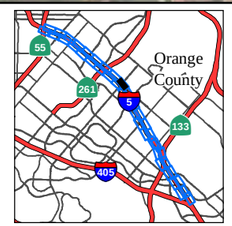


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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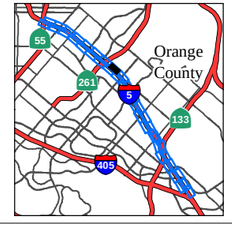


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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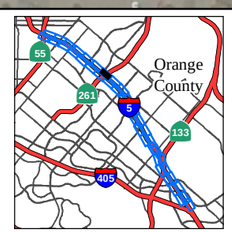


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

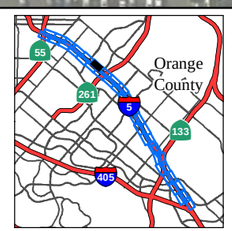


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

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LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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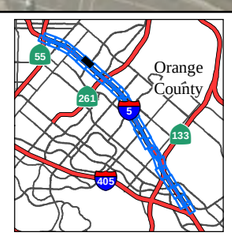


FIGURE J-1
Sheet 17 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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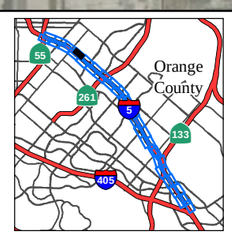


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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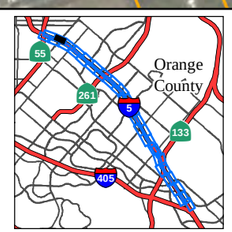


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

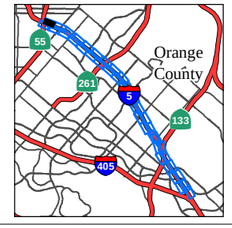


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

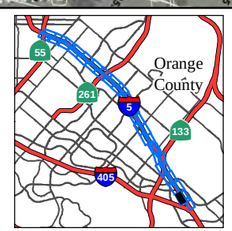
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LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



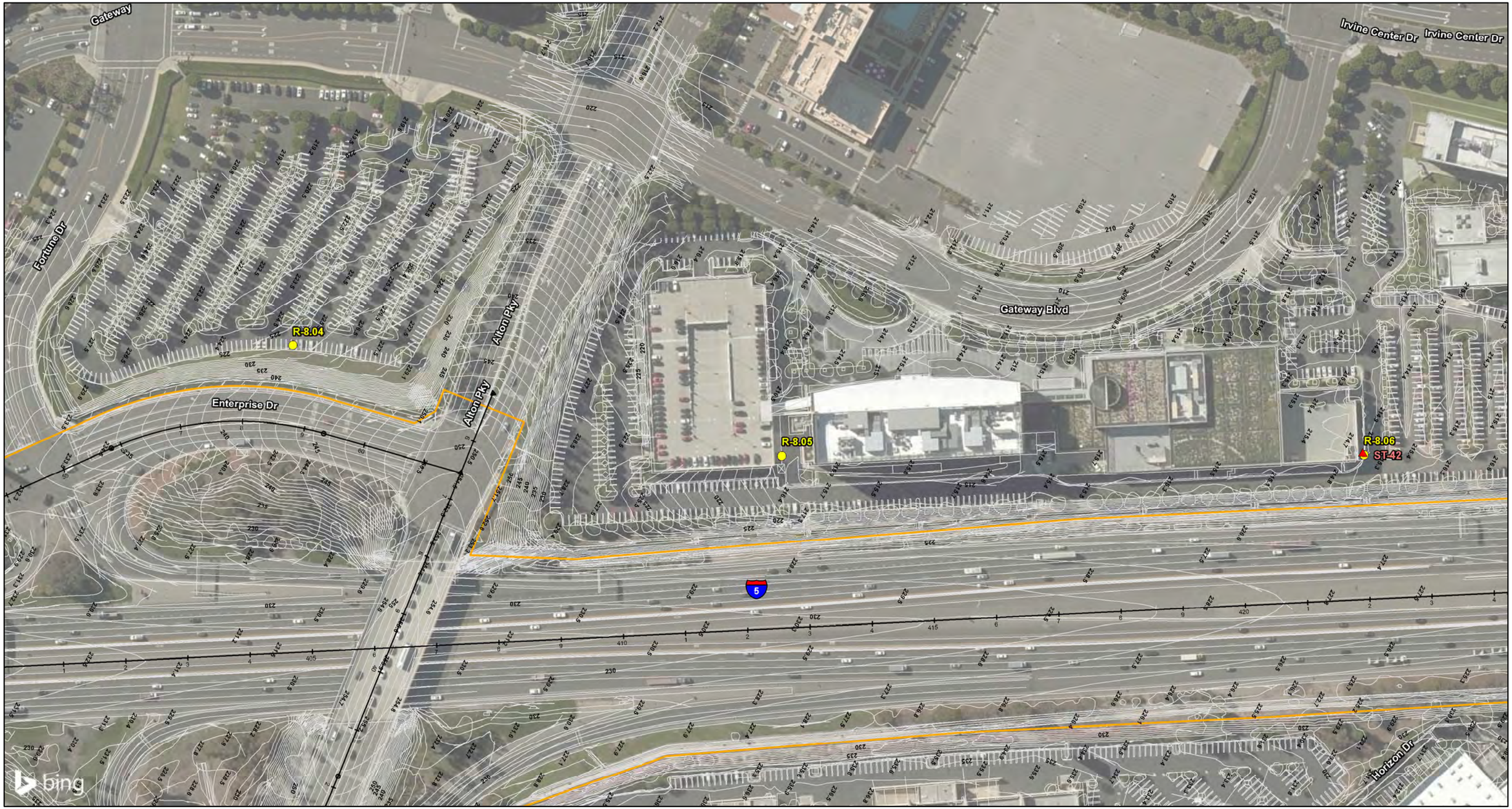
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FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

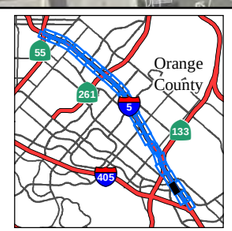
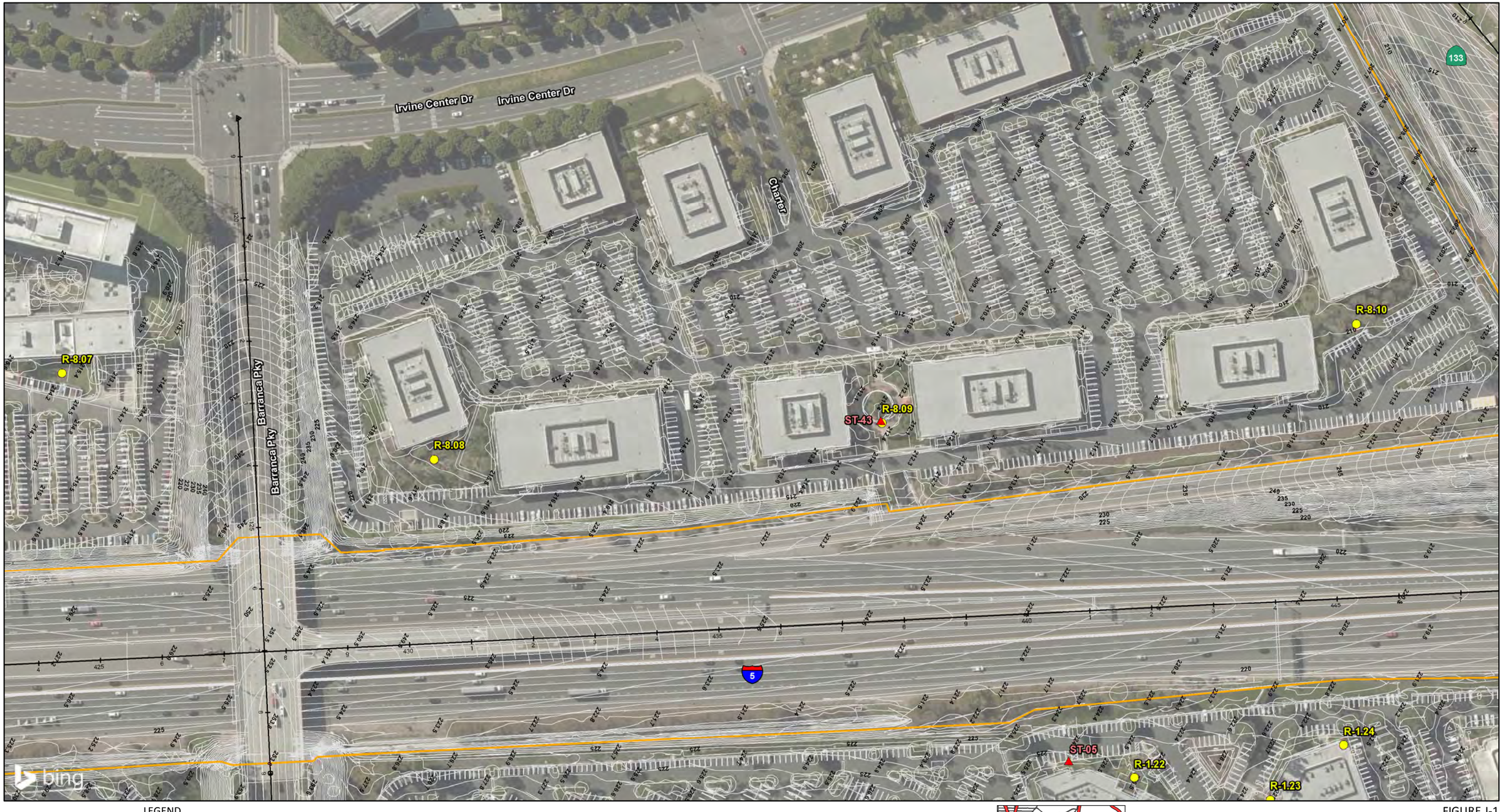


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

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LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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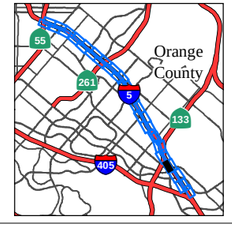
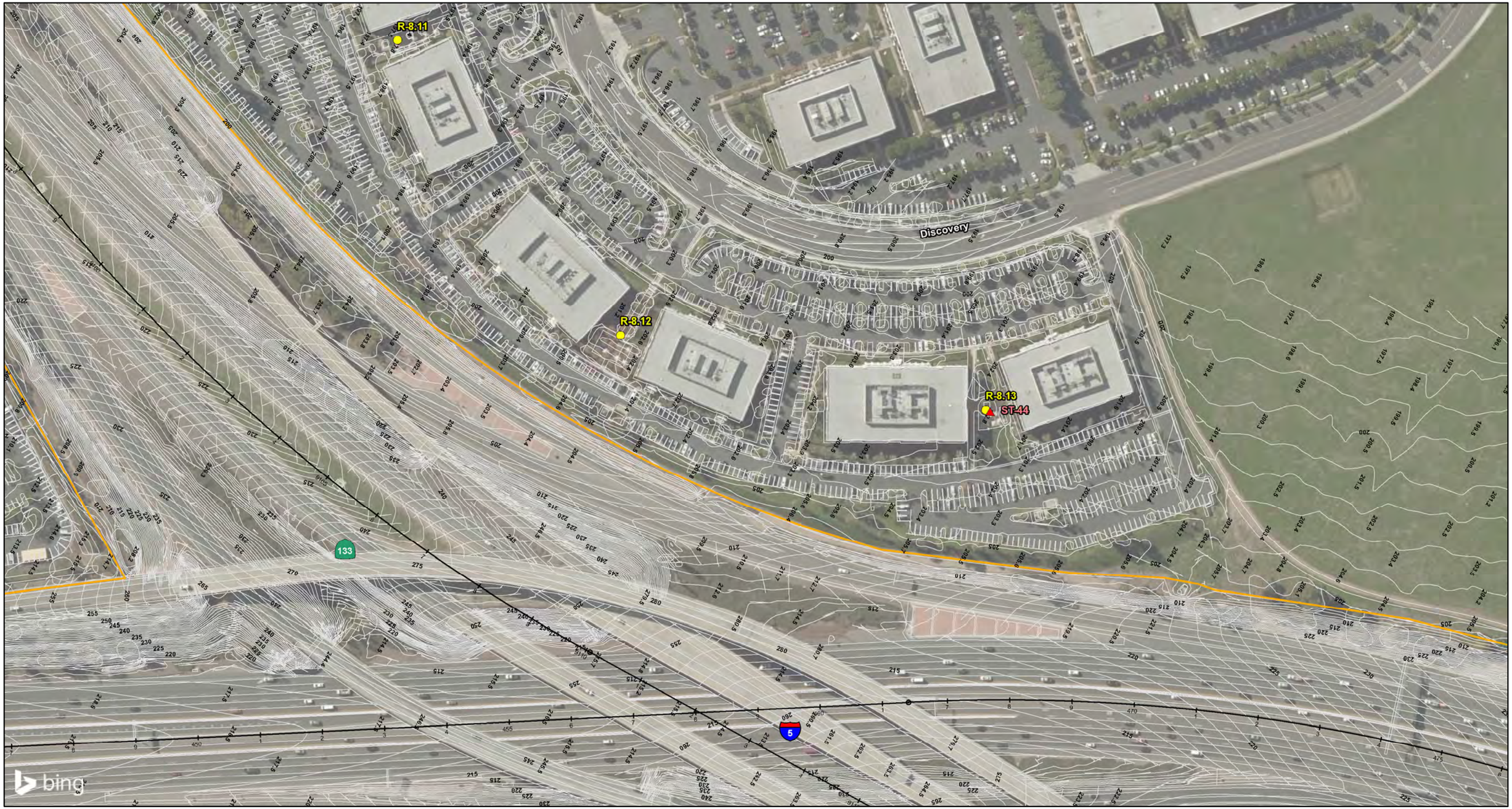


FIGURE J-1
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I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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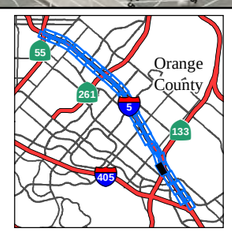


FIGURE J-1
Sheet 25 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)



FIGURE J-1
Sheet 26 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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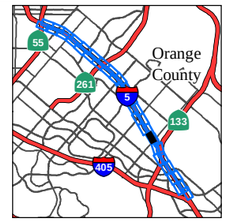


FIGURE J-1
Sheet 27 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

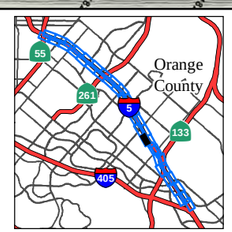
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

FIGURE J-1
Sheet 28 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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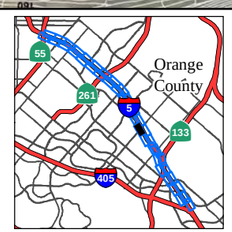


FIGURE J-1
Sheet 29 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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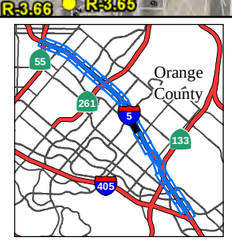
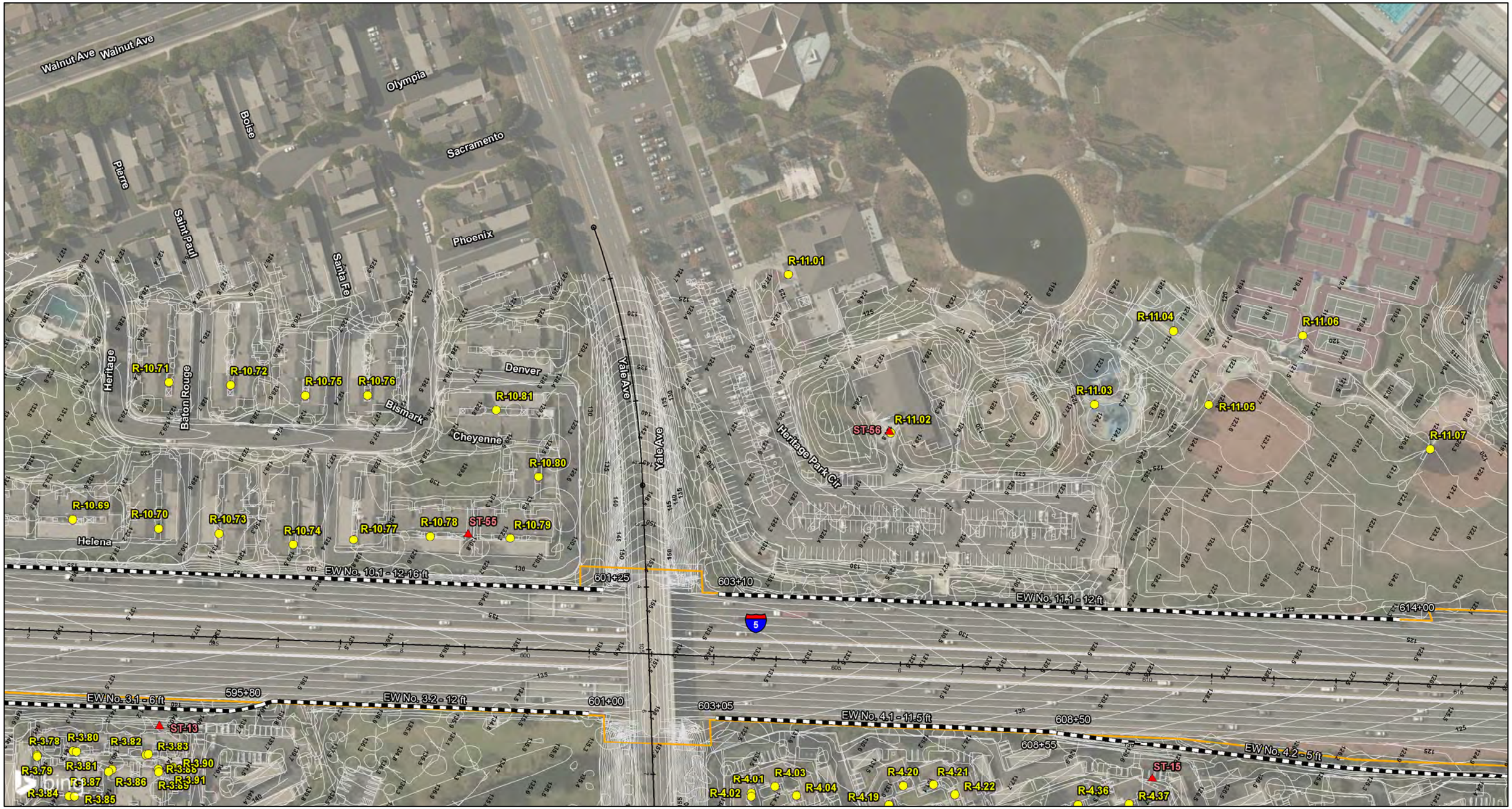


FIGURE J-1
Sheet 30 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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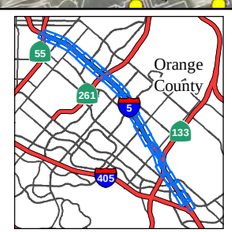


FIGURE J-1
Sheet 31 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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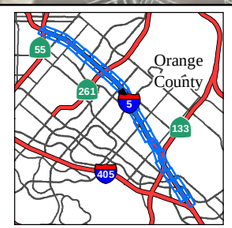


FIGURE J-1
Sheet 32 of 41

I-5 Improvement Project: I-405 to SR-55

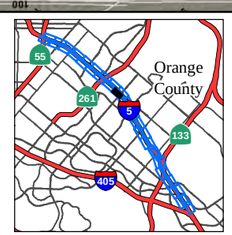
Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

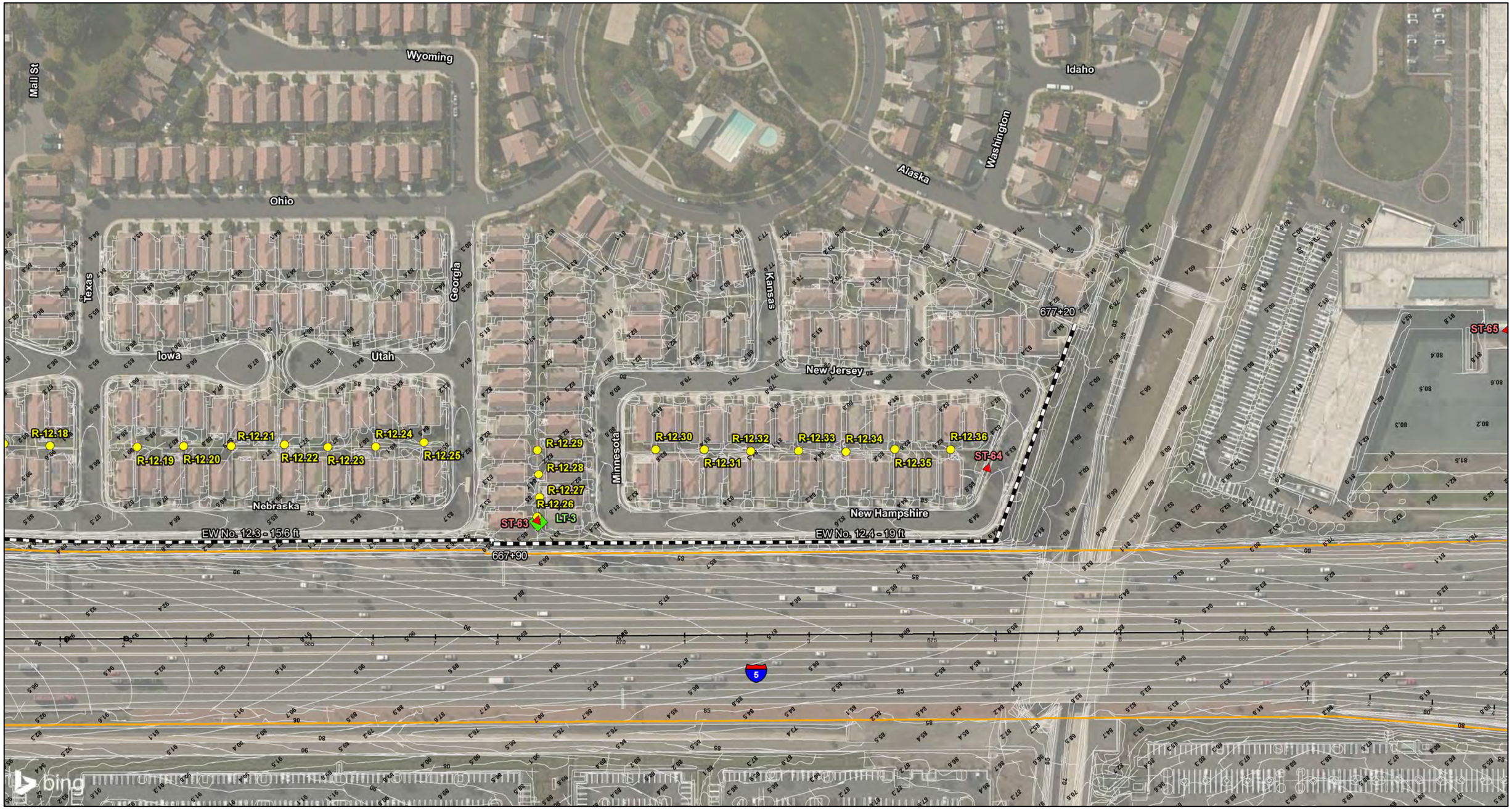
FIGURE J-1

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

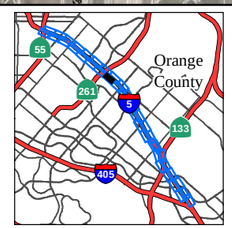
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



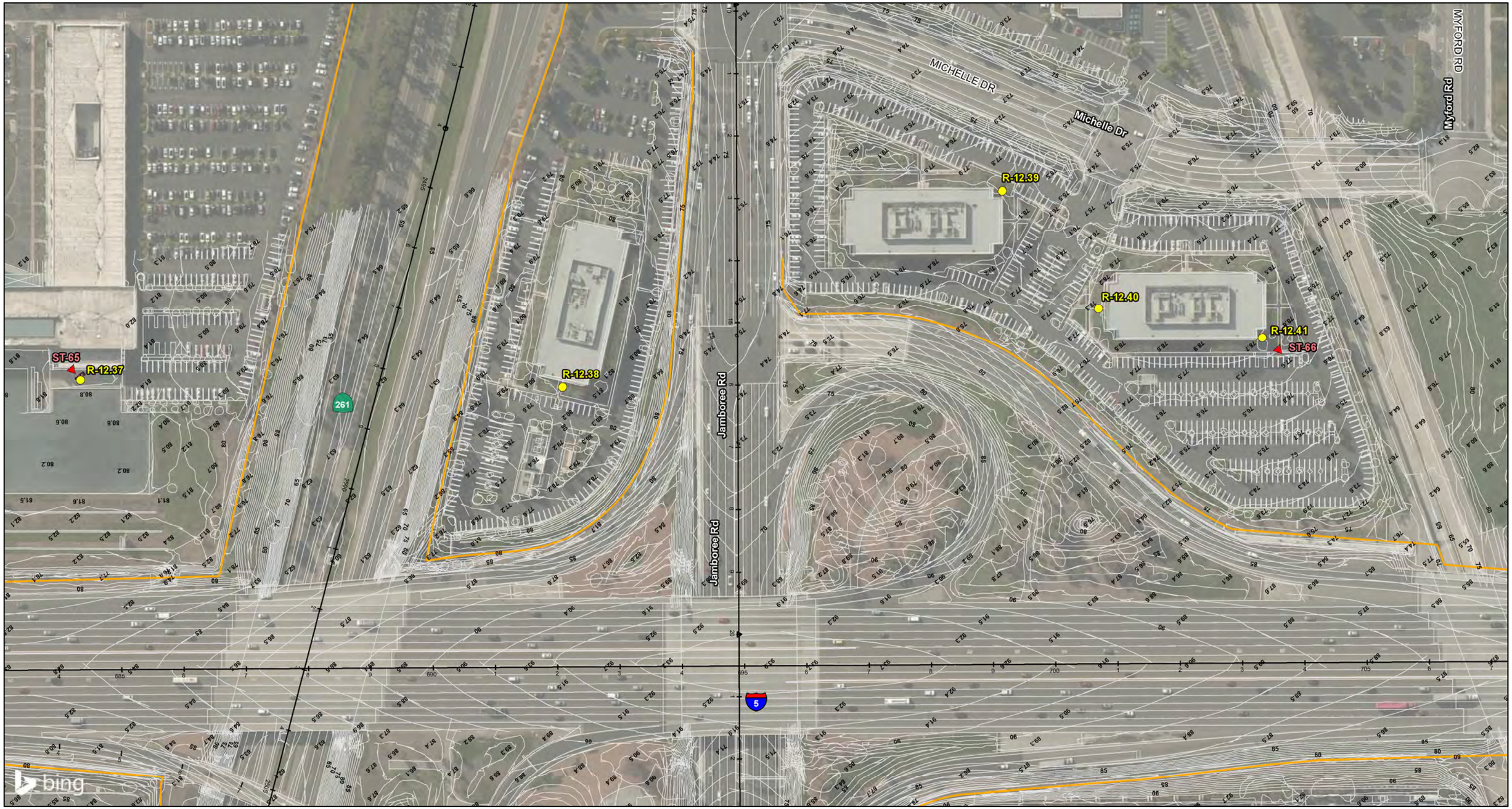
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I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

FIGURE J-1
Sheet 34 of 41

I-5 Improvement Project: I-405 to SR-55

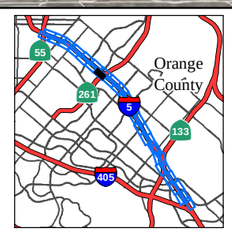
Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET



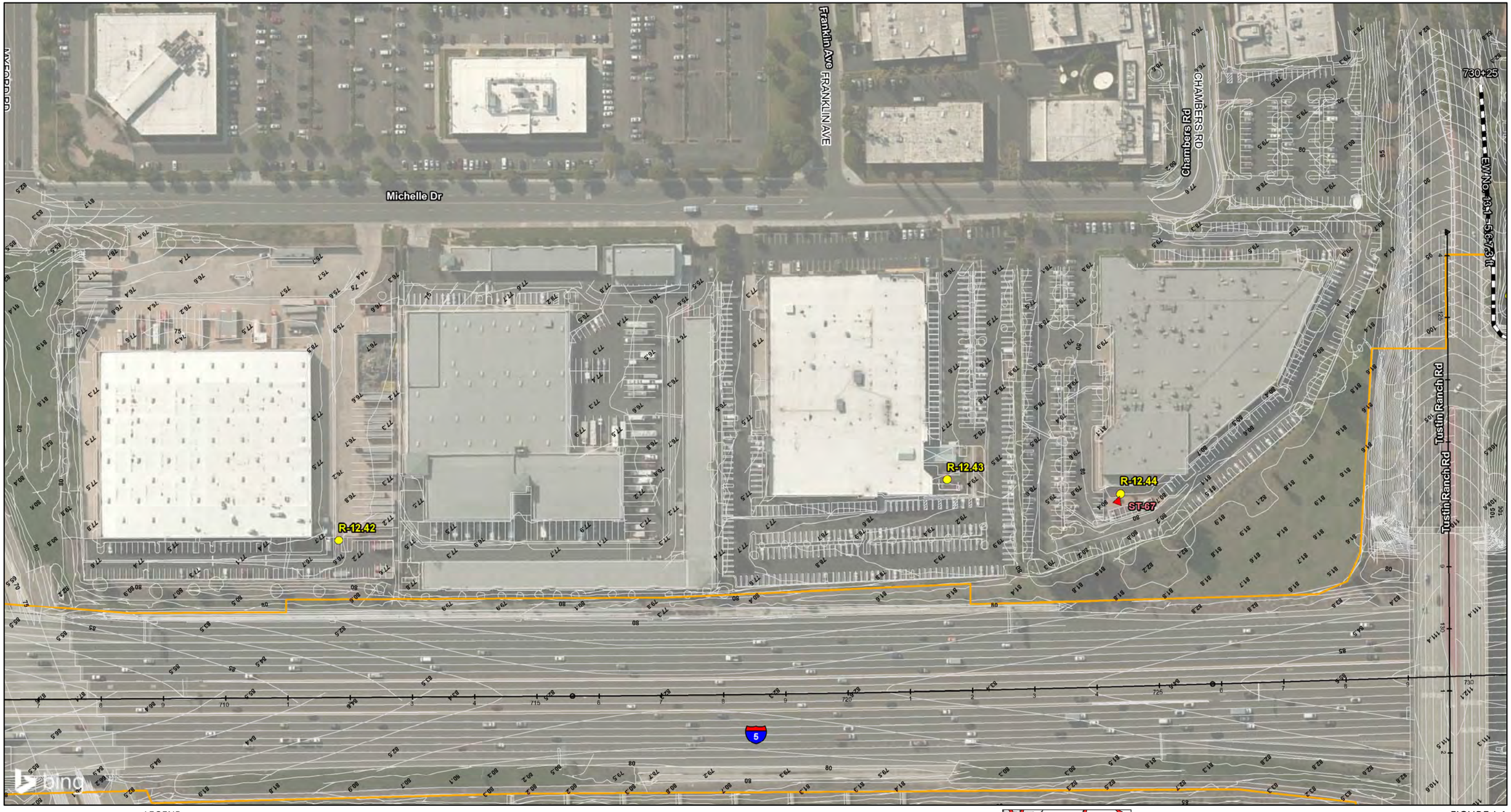
SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

FIGURE J-1
Sheet 35 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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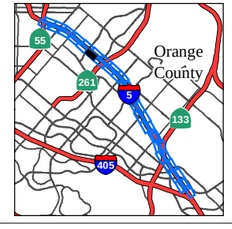


FIGURE J-1
Sheet 36 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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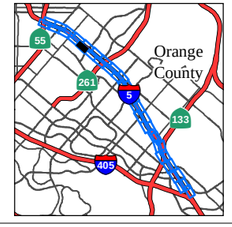


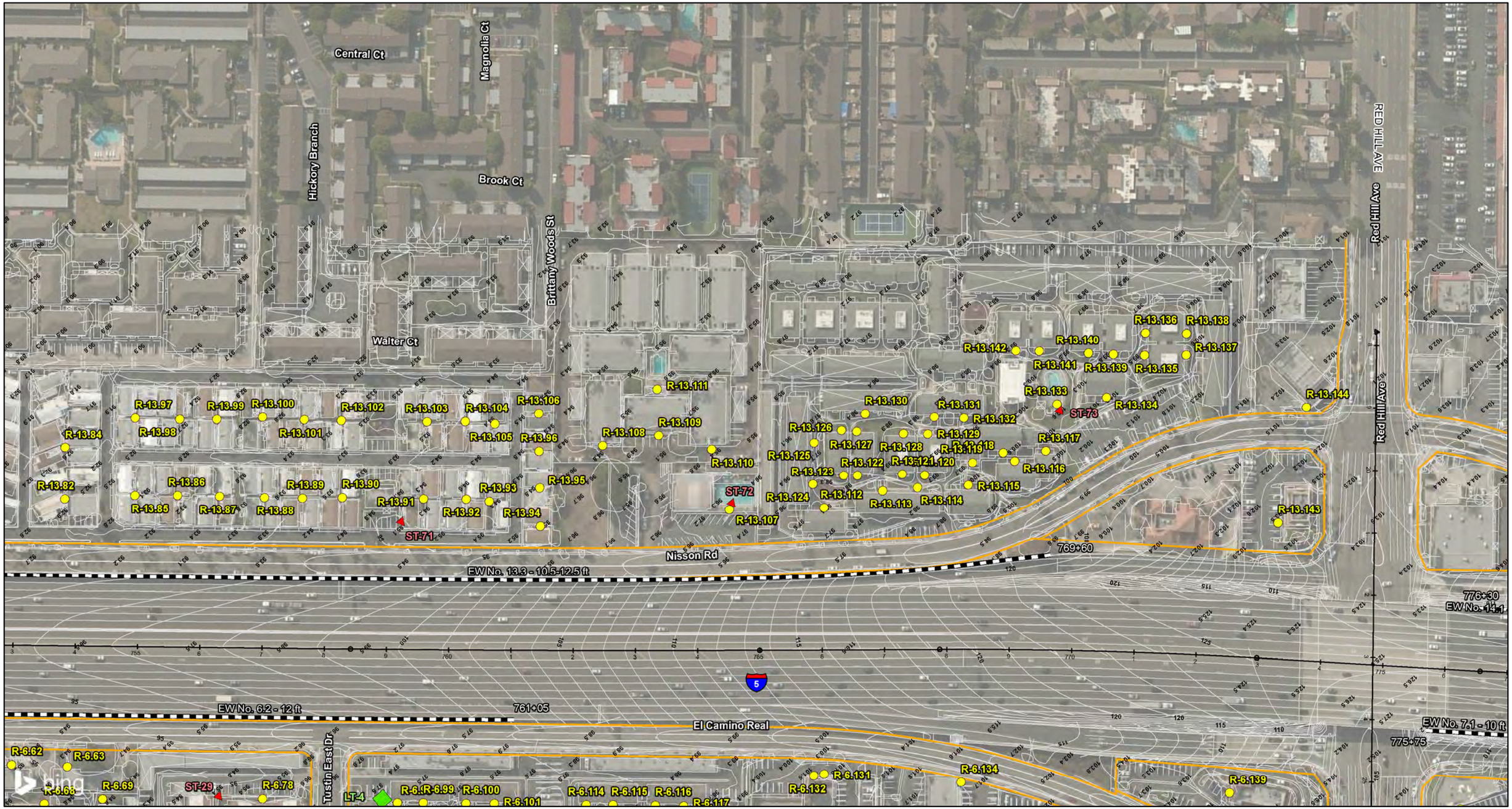
FIGURE J-1
Sheet 37 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)



FIGURE J-1
Sheet 38 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

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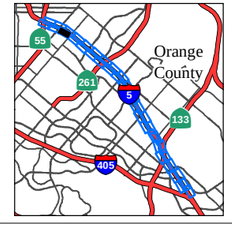


FIGURE J-1
Sheet 39 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

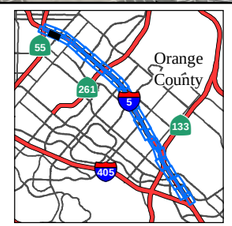
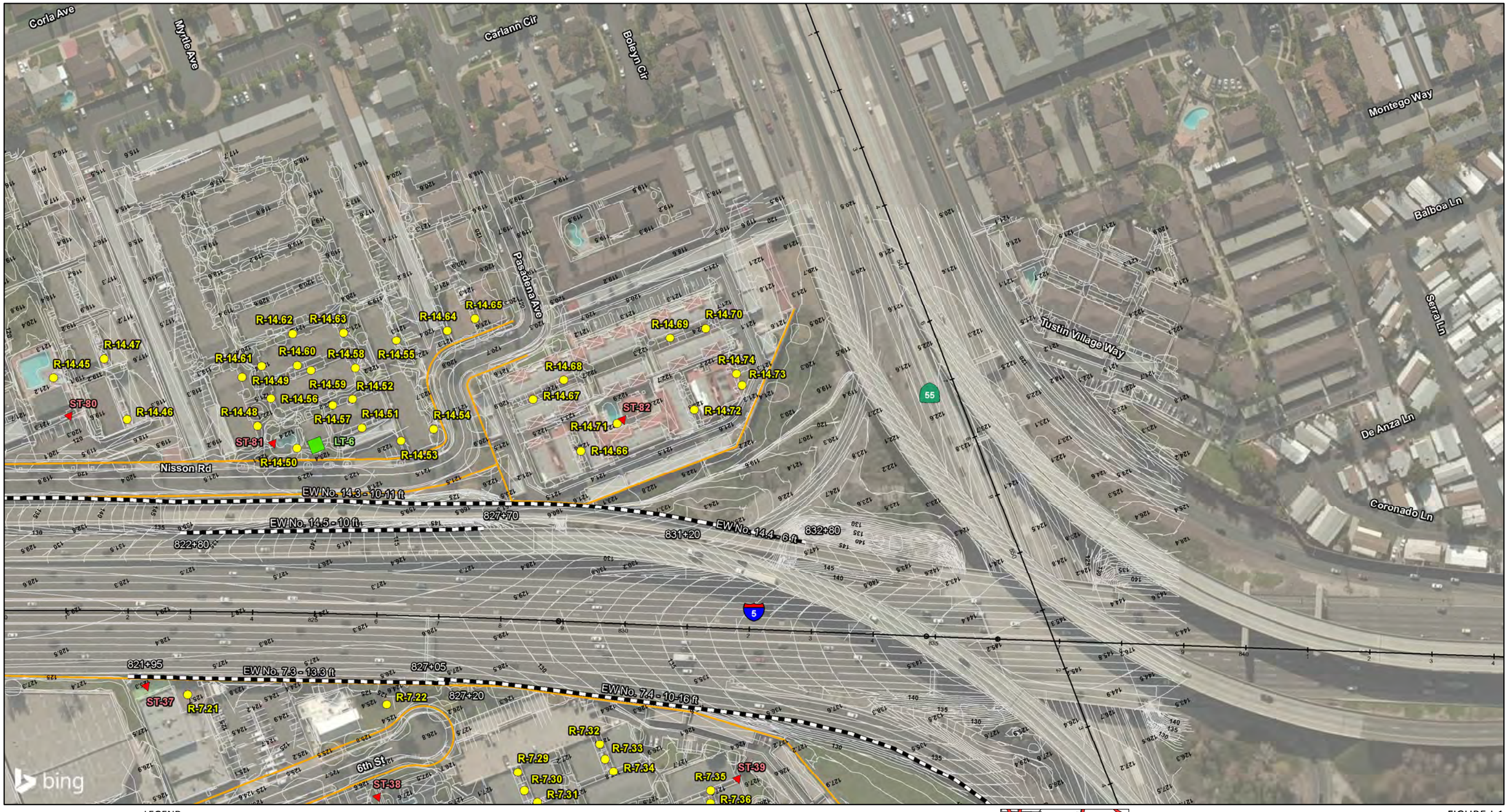


FIGURE J-1
Sheet 40 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Short-Term Monitoring Locations
- Long-Term Monitoring Locations
- Modeled Receptors
- Existing Wall
- Existing Right-of-Way

0 75 150
FEET

SOURCE: Bing Maps (2015); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-1_Monitoring_Receptor_Locations.mxd (5/3/2018)

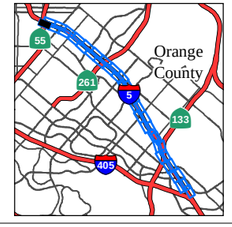


FIGURE J-1
Sheet 41 of 41

I-5 Improvement Project: I-405 to SR-55

Monitoring and Modeled Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-2_ModeledNoiseBarrier_Receptor_Locations_Alt2A.mxd (5/3/2018)

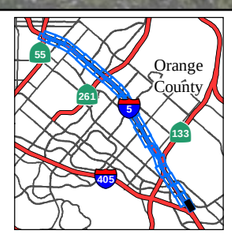
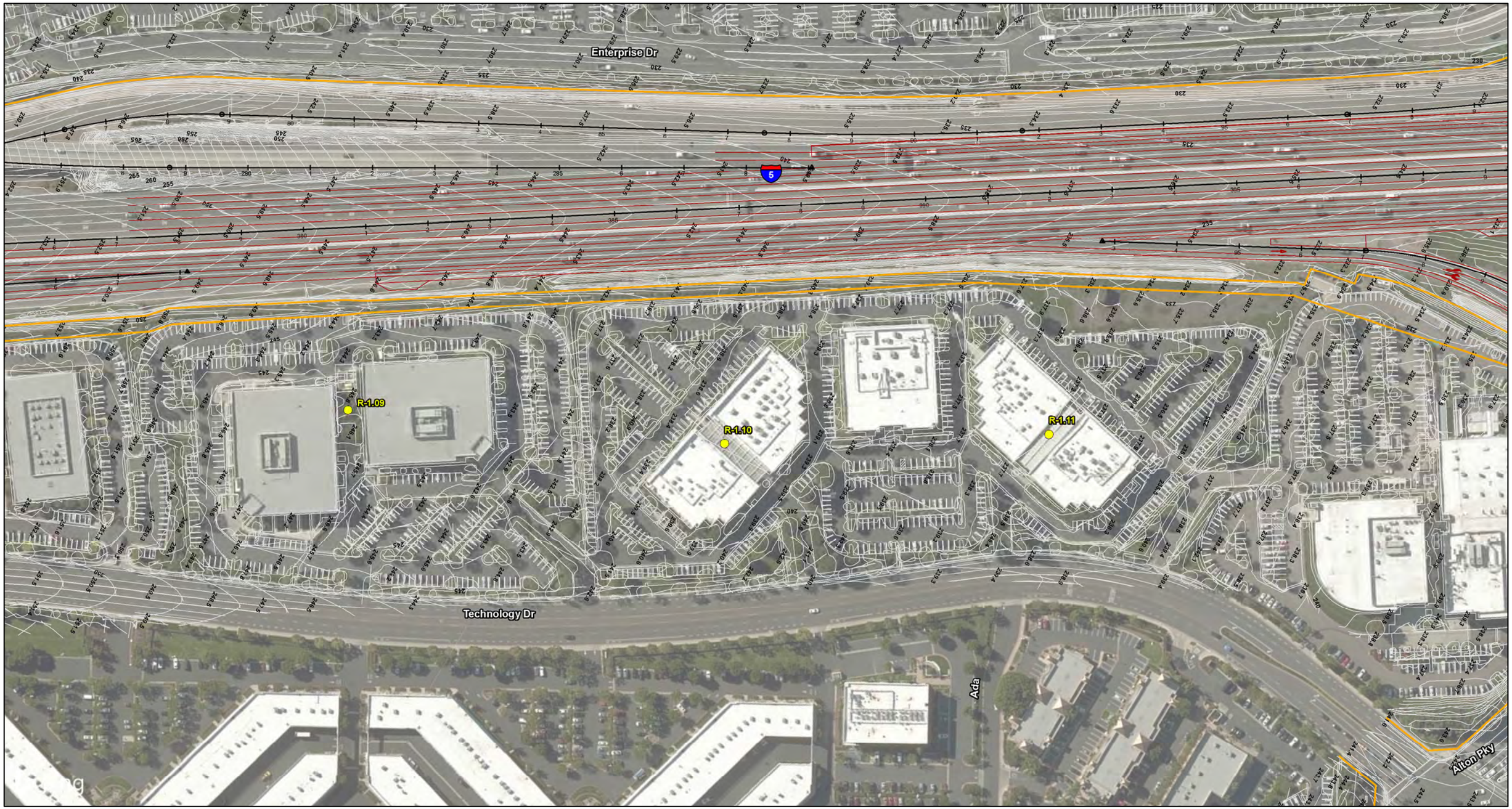


FIGURE J-2
Sheet 1 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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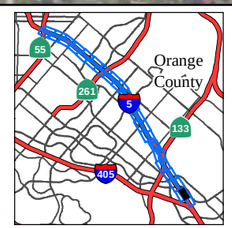
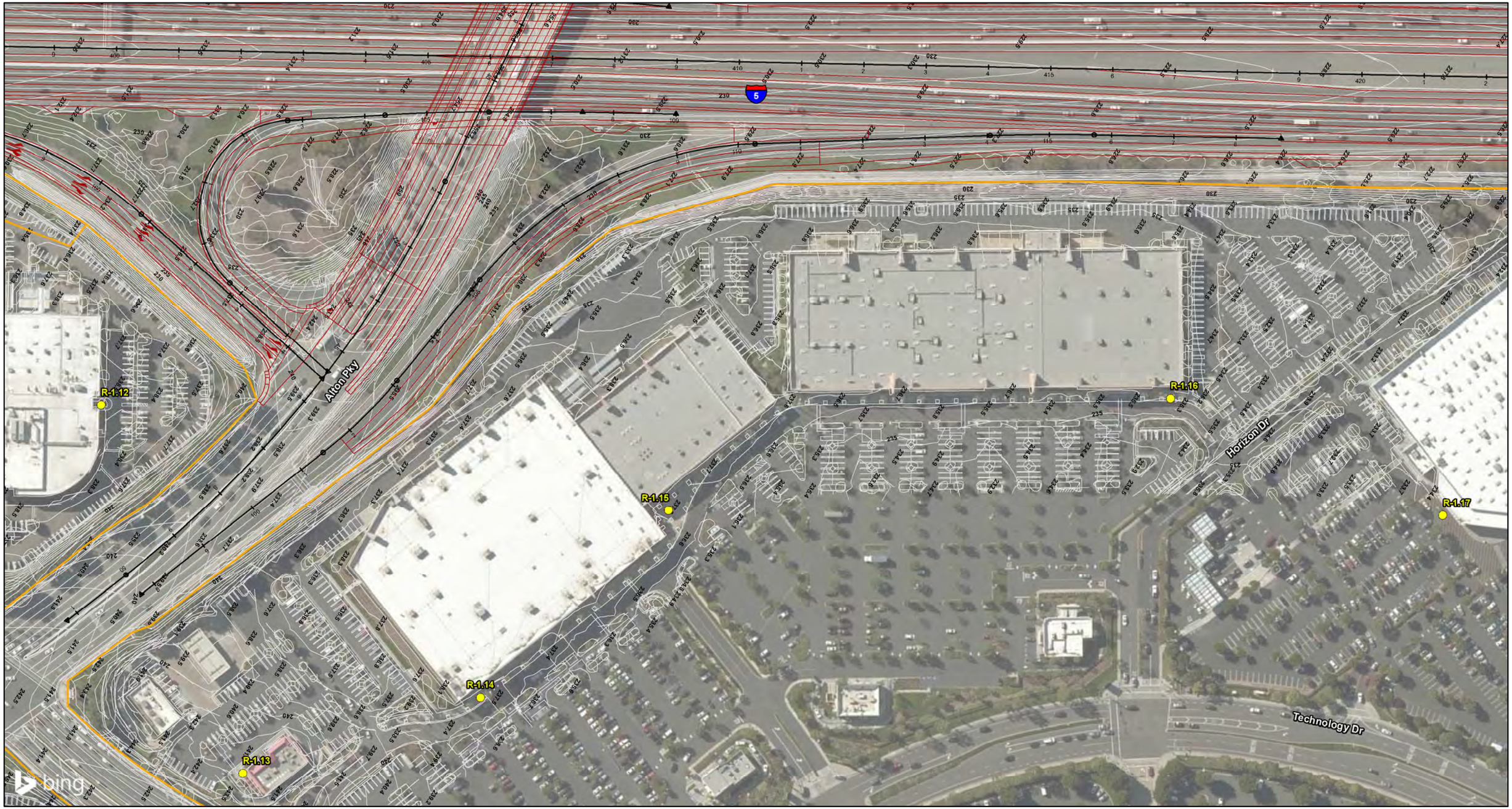


FIGURE J-2
Sheet 2 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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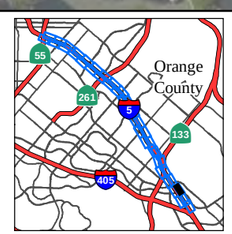
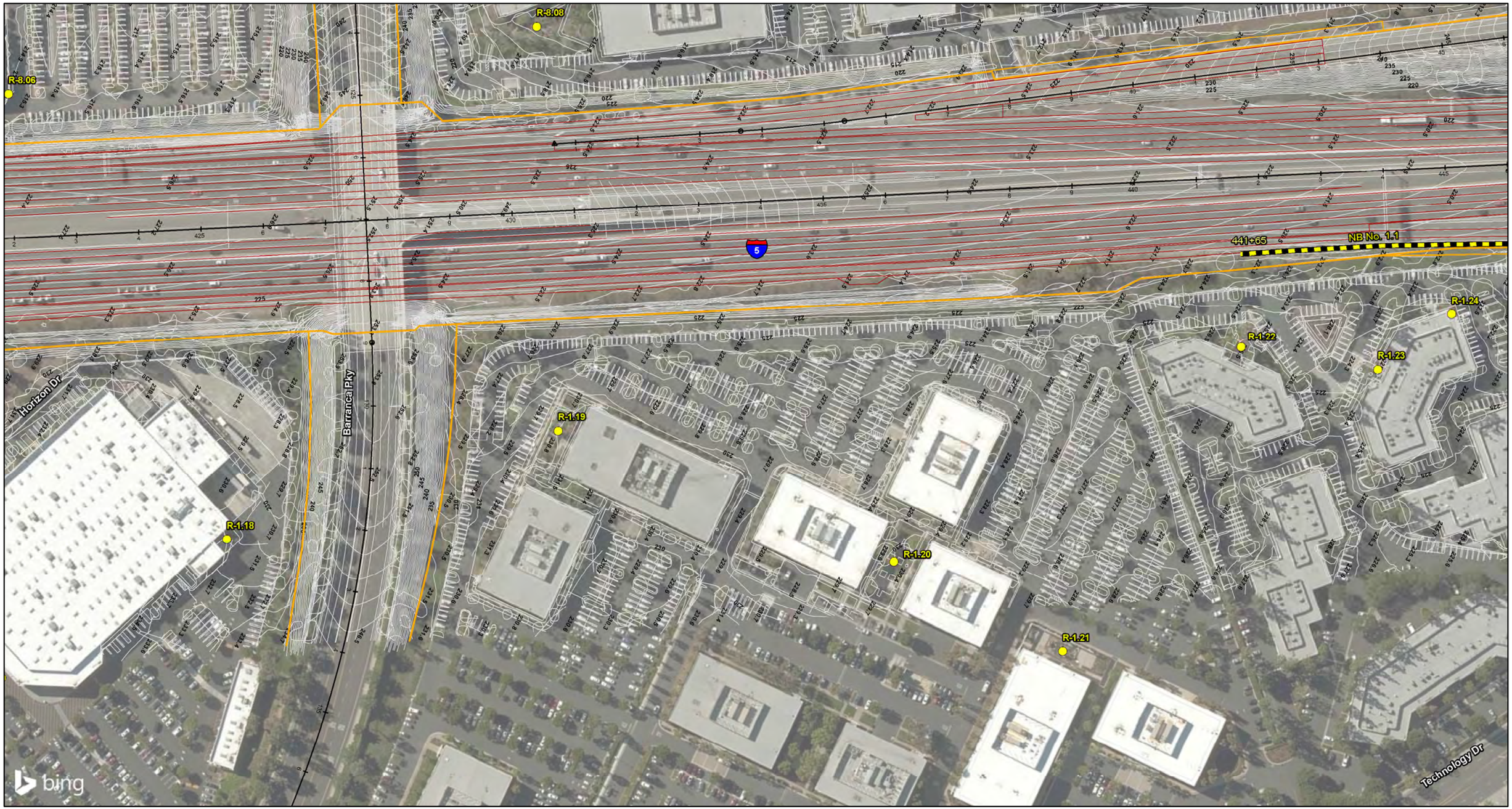


FIGURE J-2
Sheet 3 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

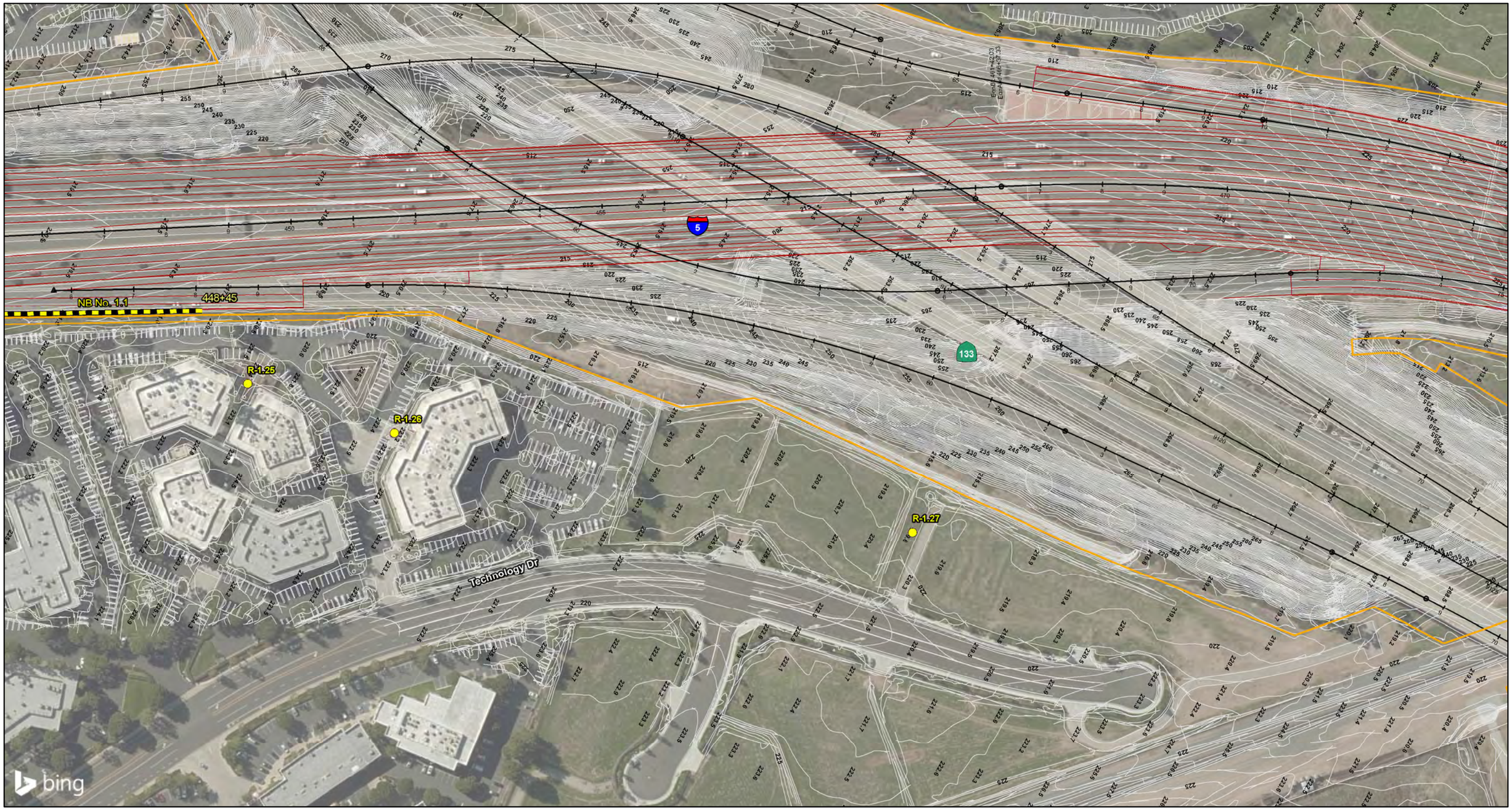
SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-2_ModeledNoiseBarrier_Receptor_Locations_Alt2A.mxd (5/3/2018)



FIGURE J-2
Sheet 4 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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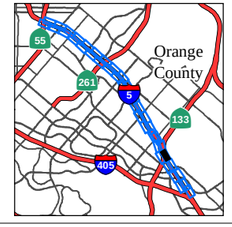
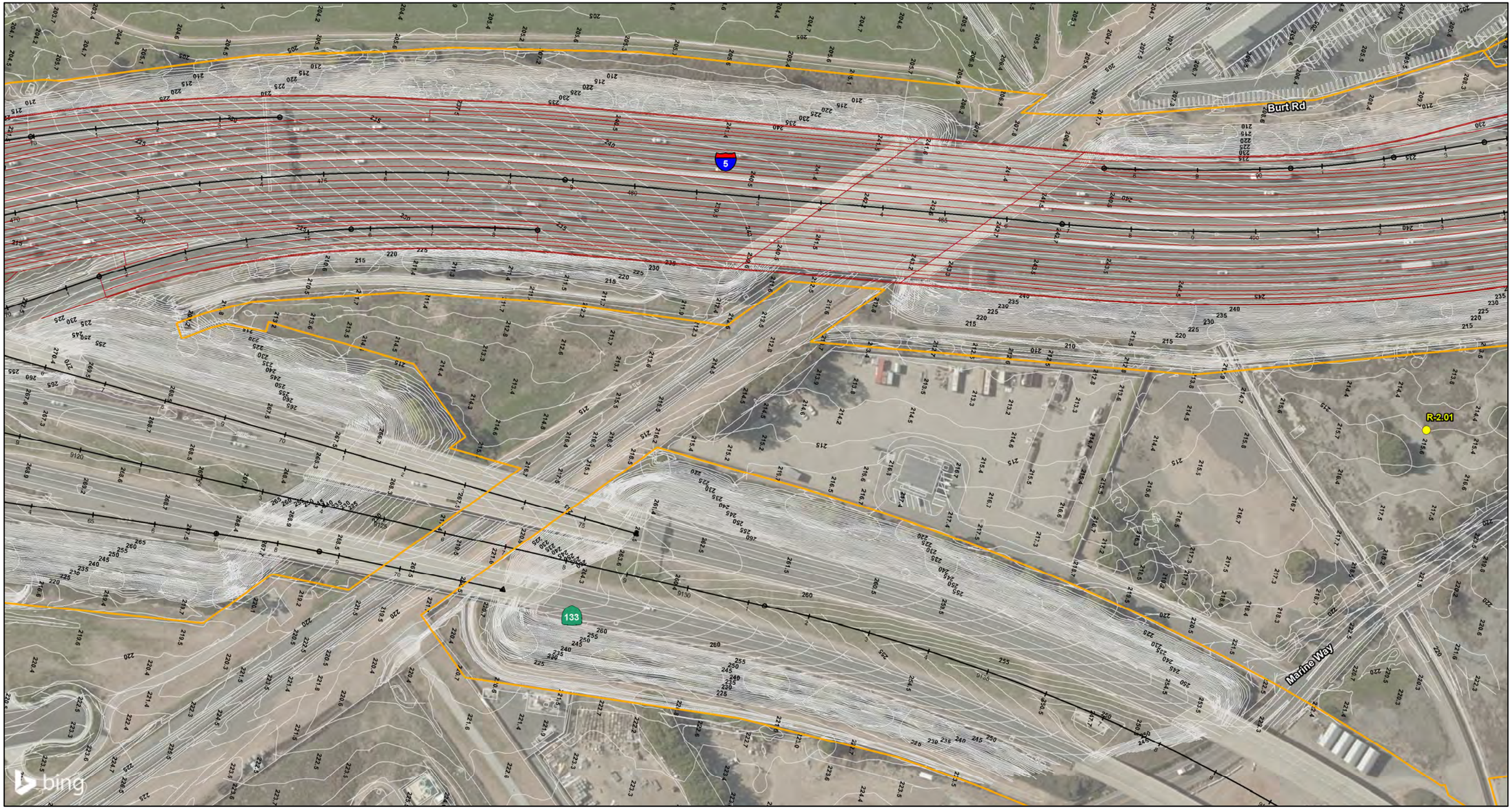


FIGURE J-2
Sheet 5 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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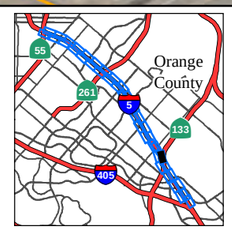
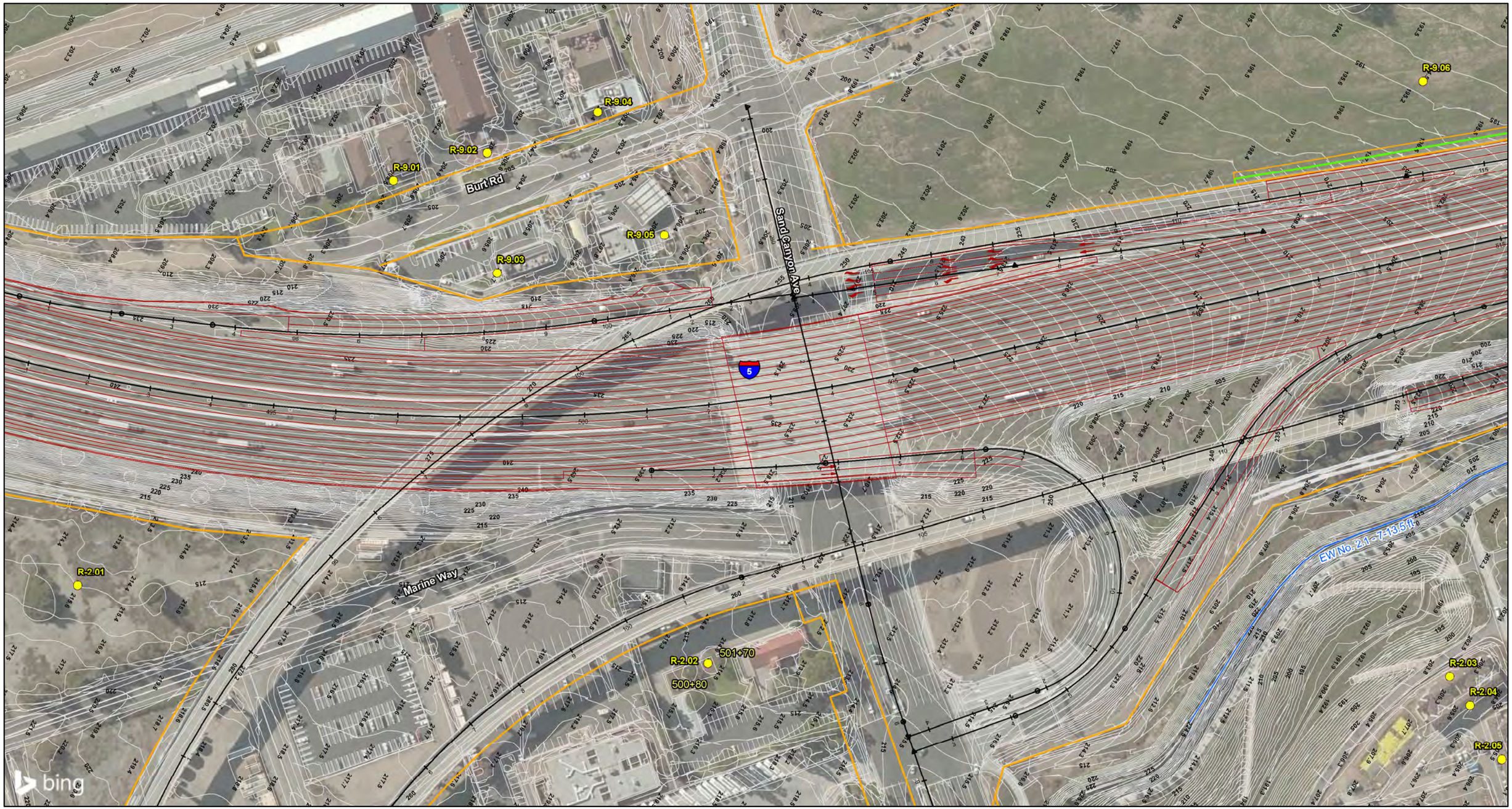


FIGURE J-2
Sheet 6 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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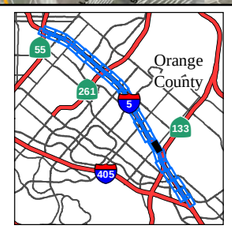


FIGURE J-2
Sheet 7 of 41

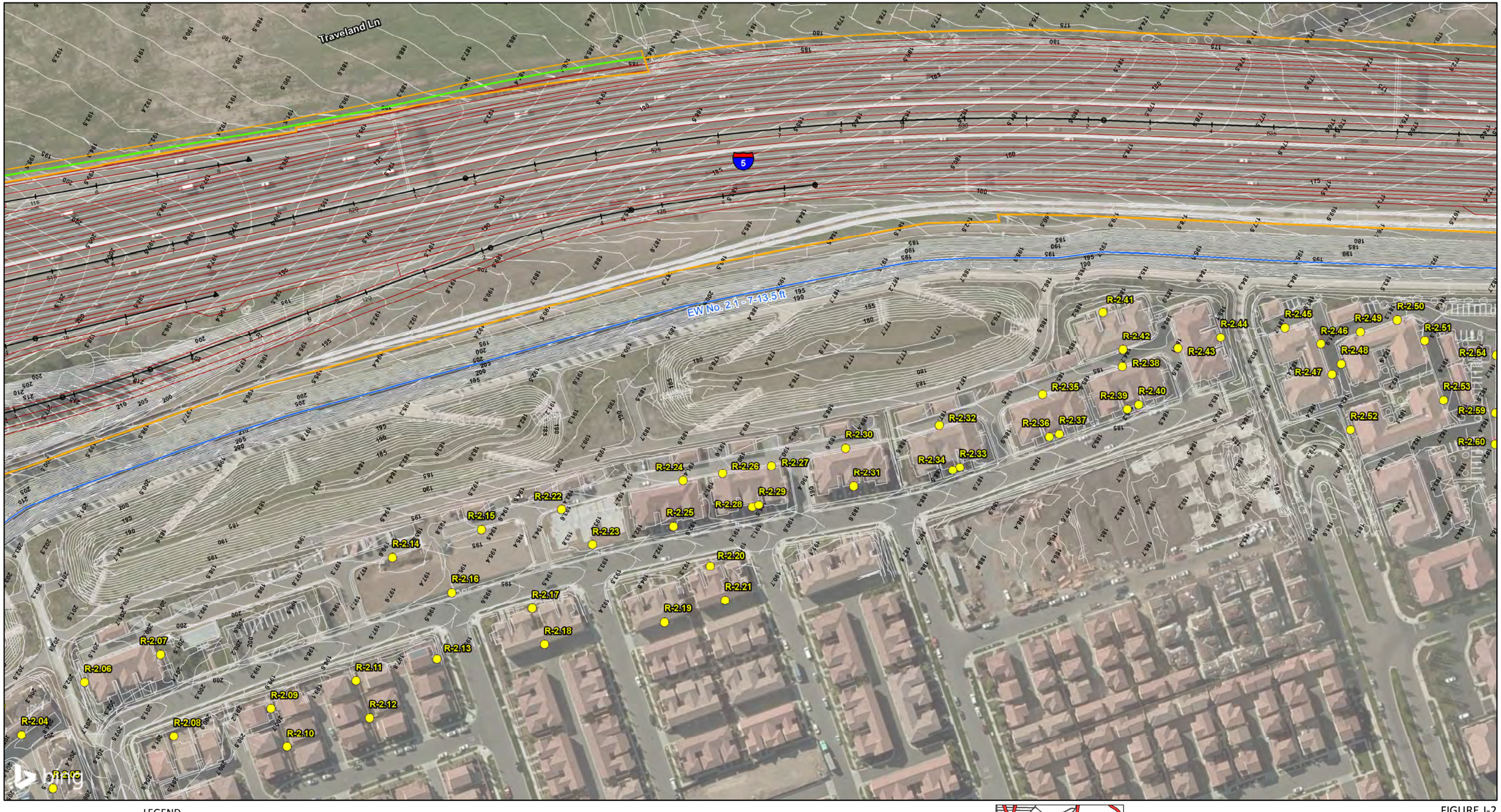
I-5 Improvement Project: I-405 to SR-55

Alternative 2A

Modeled Noise Barriers and Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

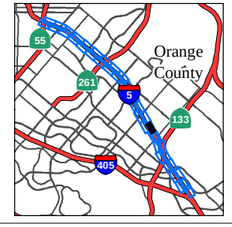


FIGURE J-2
Sheet 8 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

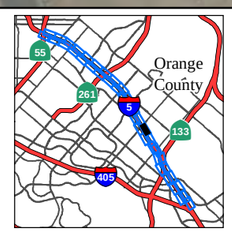
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LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-2_ModeledNoiseBarrier_Receptor_Locations_Alt2A.mxd (5/3/2018)

FIGURE J-2
Sheet 9 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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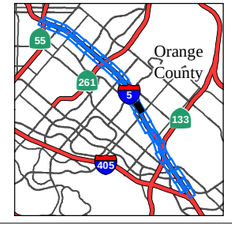


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

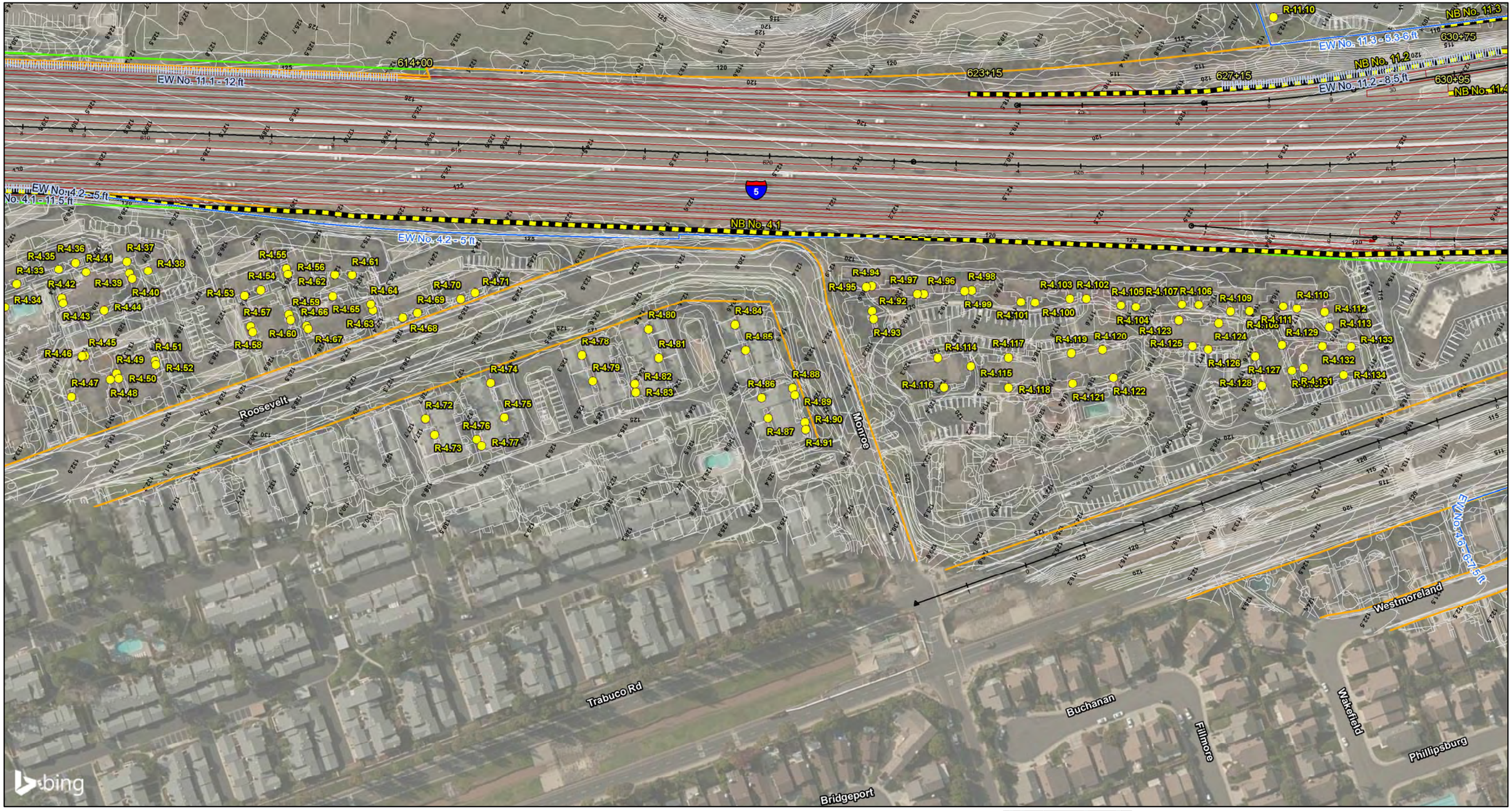


SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
Sheet 11 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

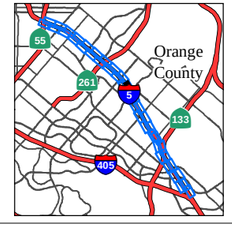
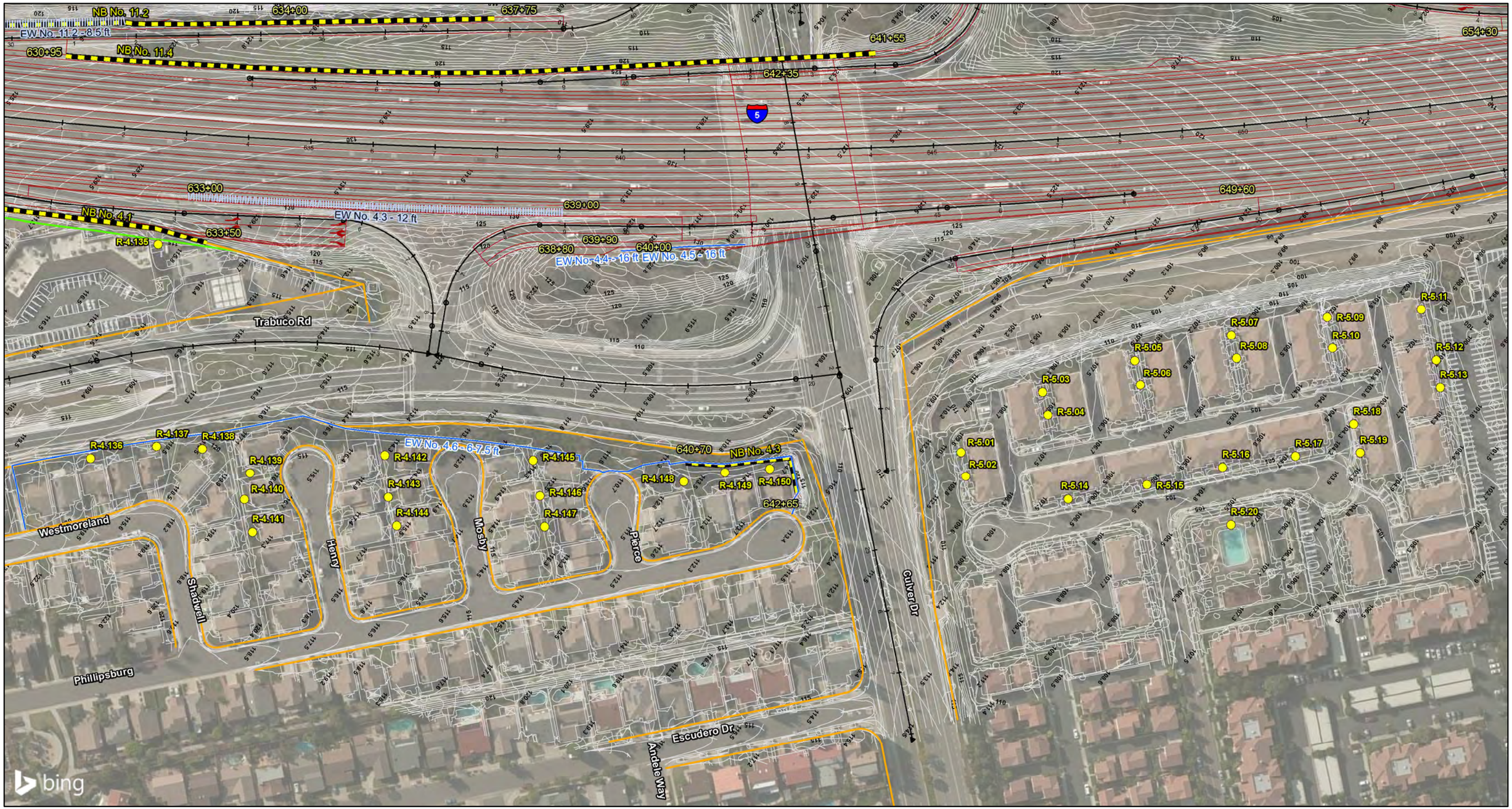


FIGURE J-2
Sheet 12 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-2_ModeledNoiseBarrier_Receptor_Locations_Alt2A.mxd (5/3/2018)



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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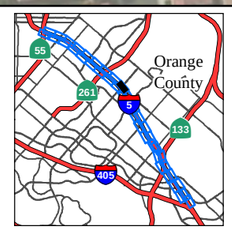


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55

Alternative 2A

Modeled Noise Barriers and Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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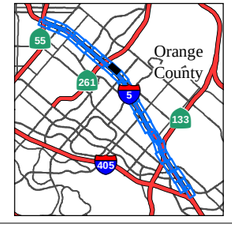
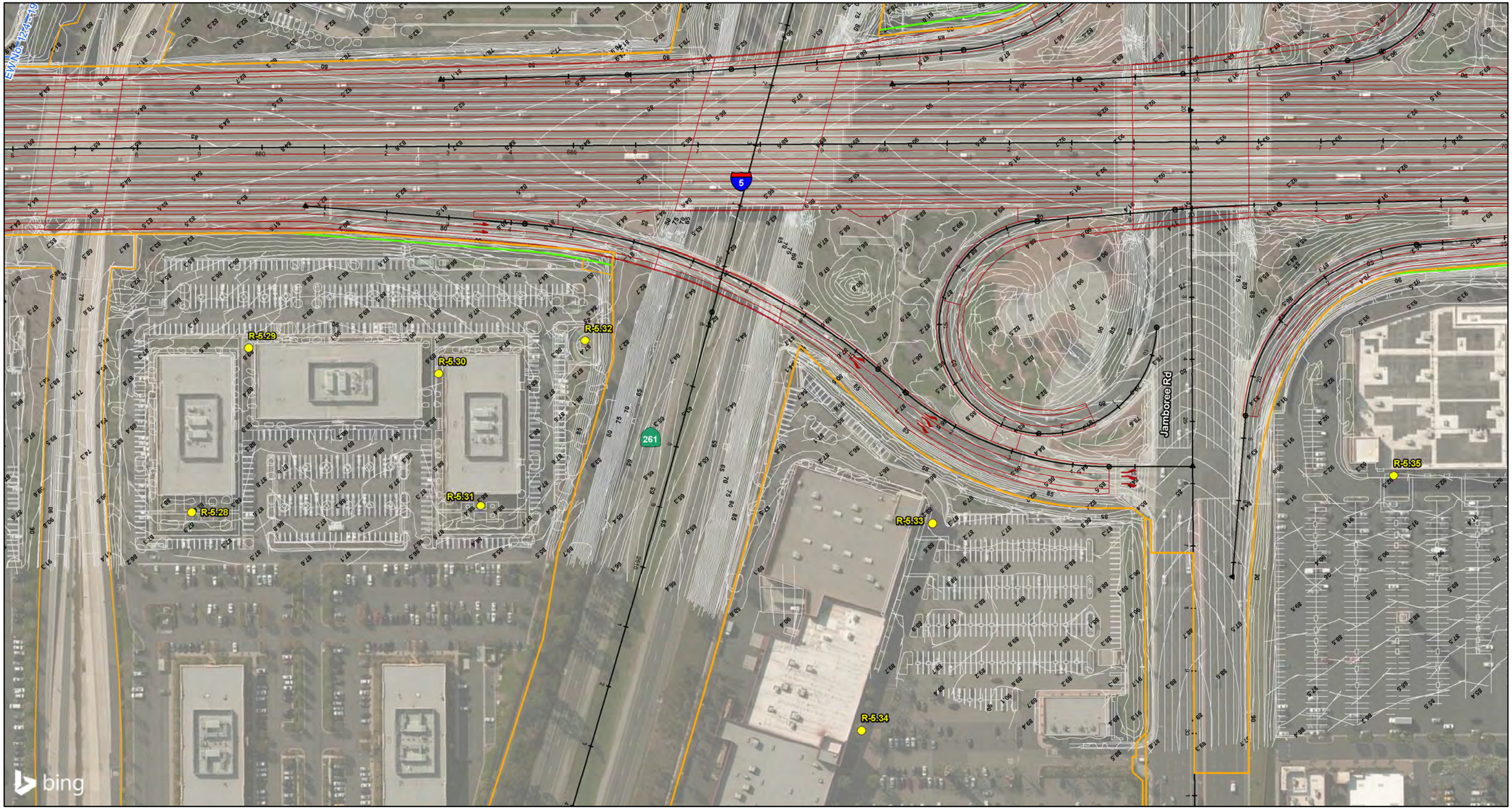


FIGURE J-2
Sheet 14 of 41

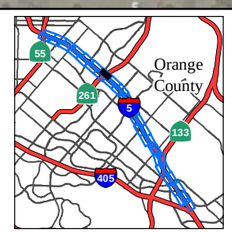
I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

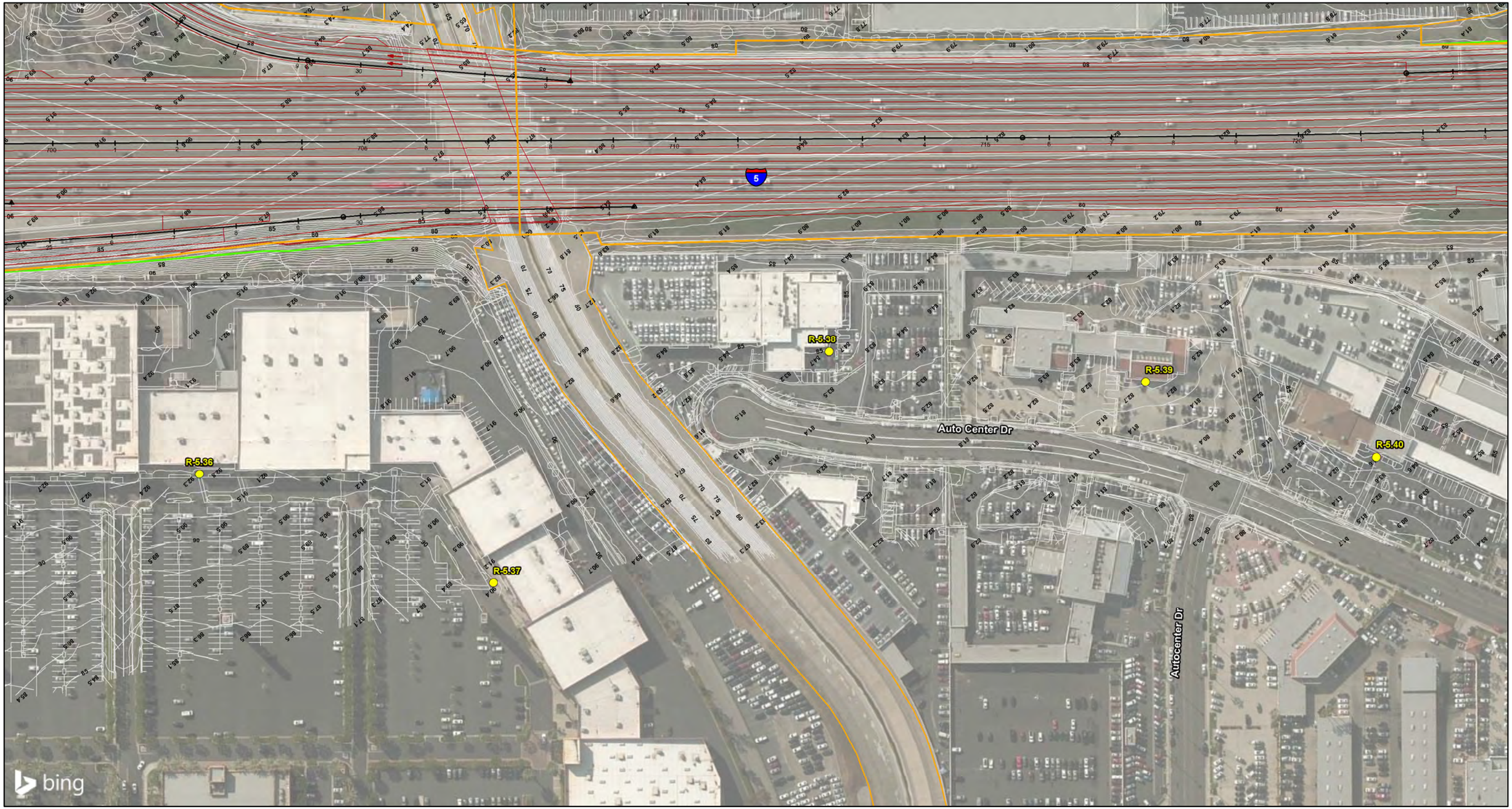


SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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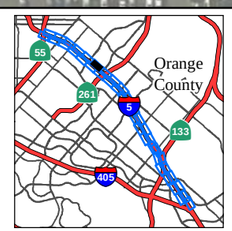


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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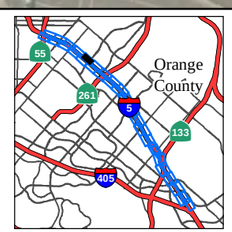


FIGURE J-2
Sheet 17 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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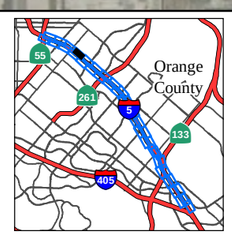
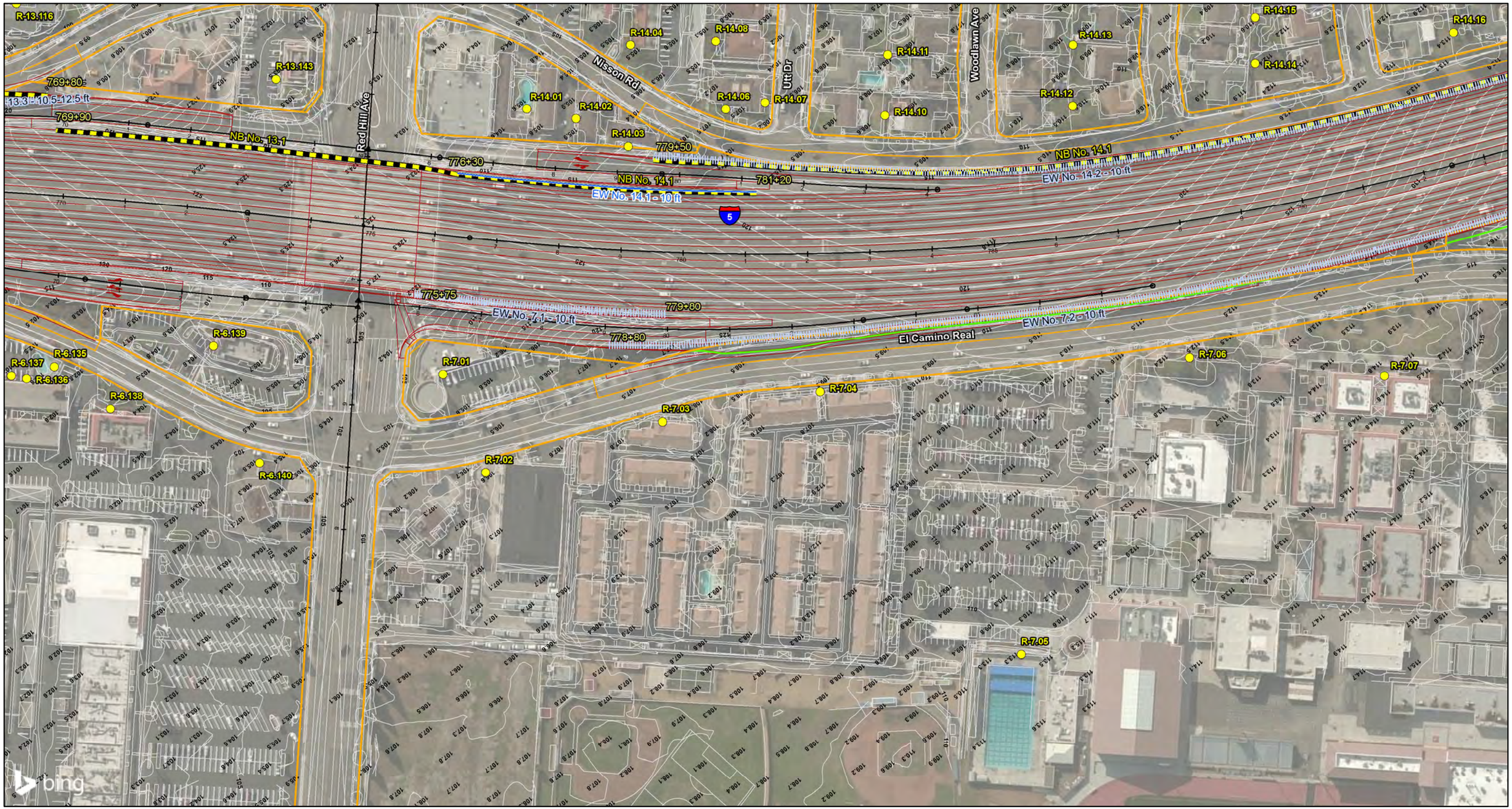


FIGURE J-2
Sheet 18 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



FIGURE J-2
Sheet 19 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

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LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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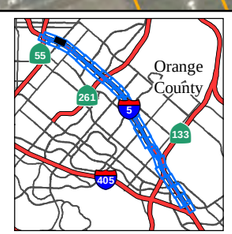


FIGURE J-2
Sheet 20 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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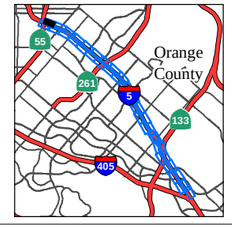


FIGURE J-2
Sheet 21 of 41

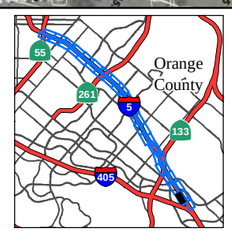
I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

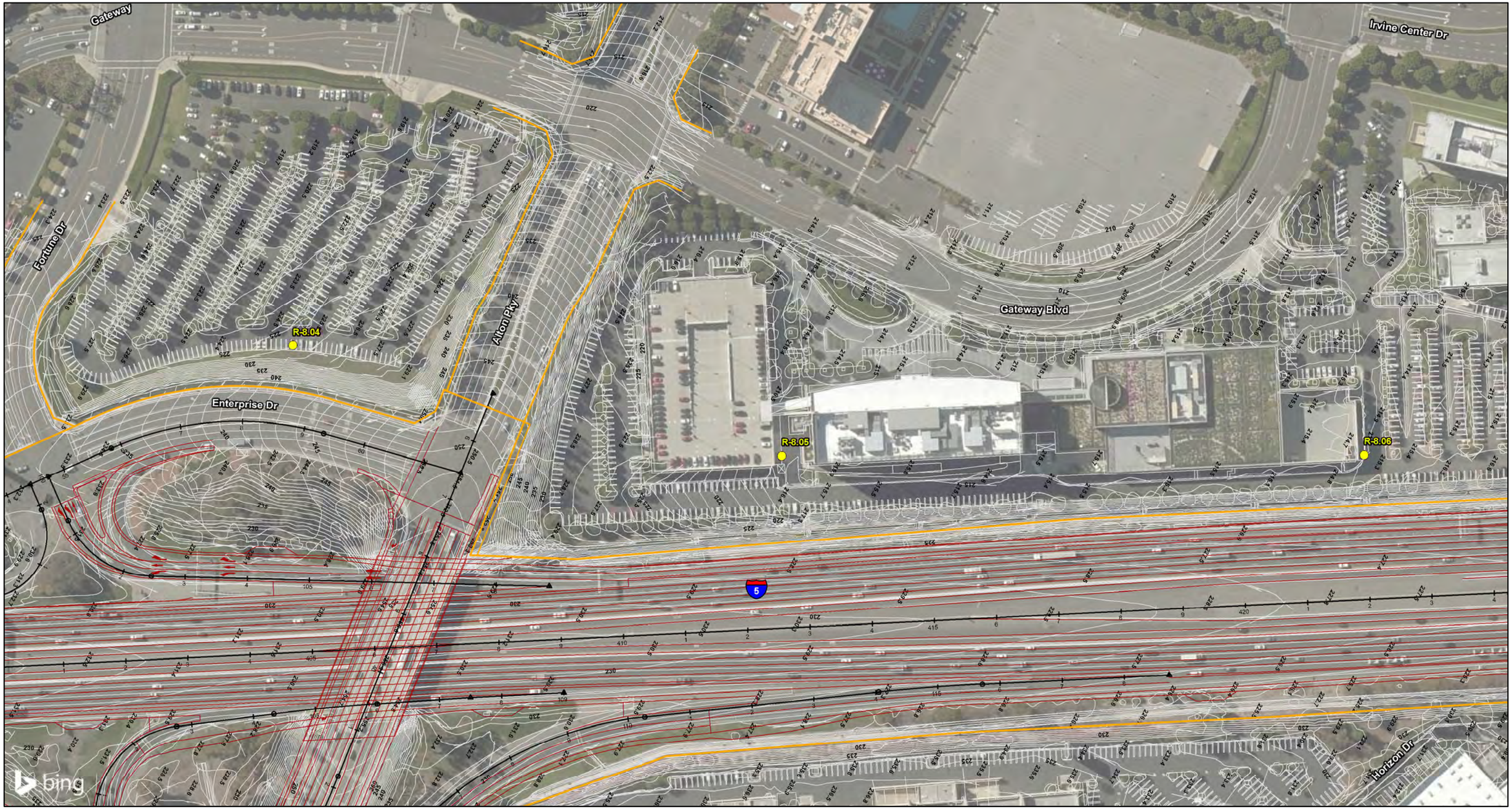


SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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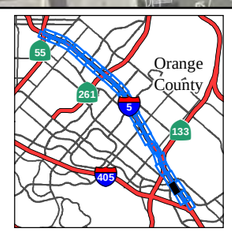


FIGURE J-2
Sheet 23 of 41

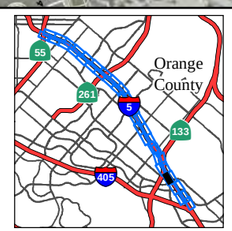
I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

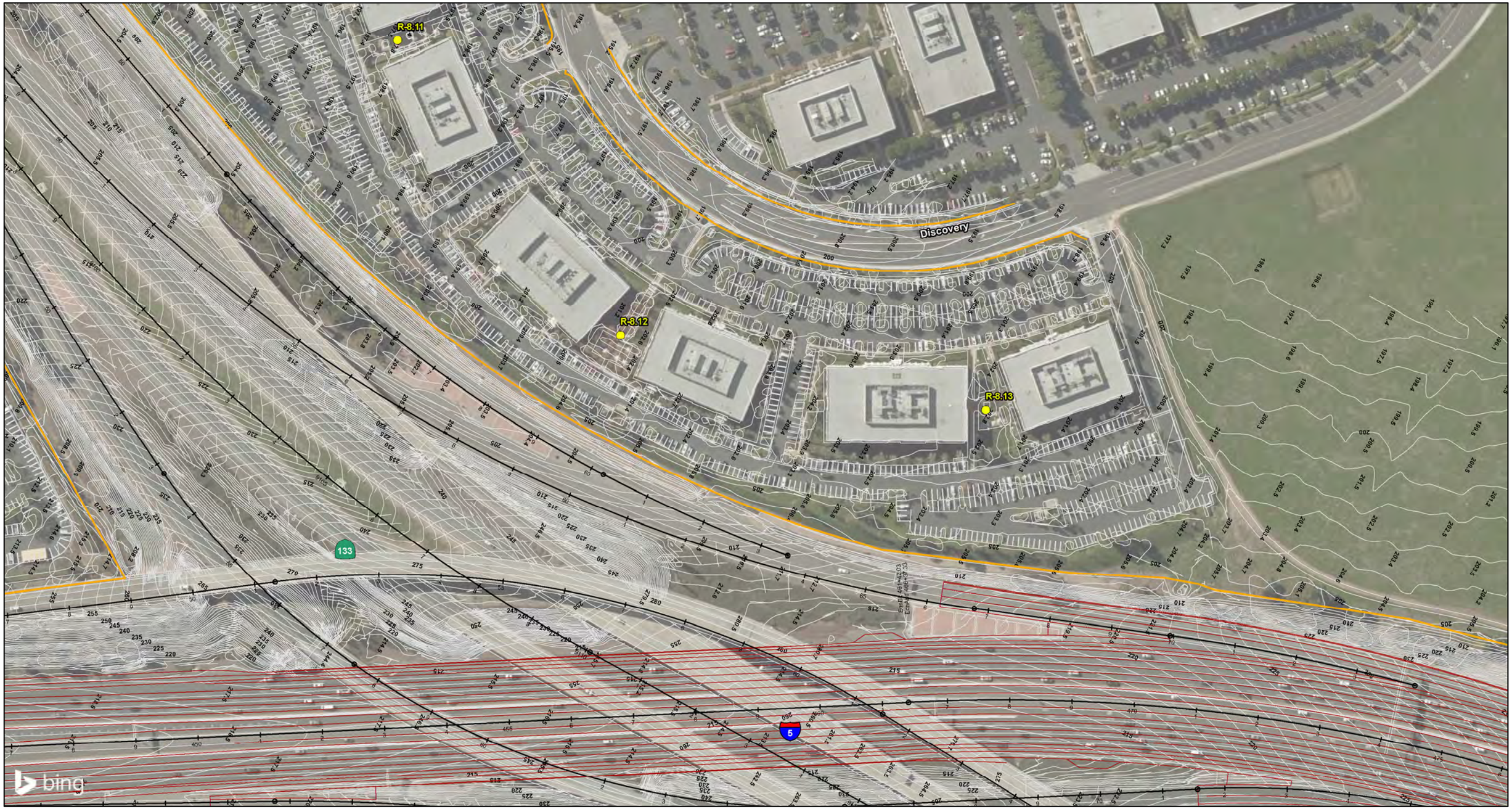


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FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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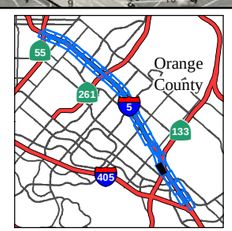


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

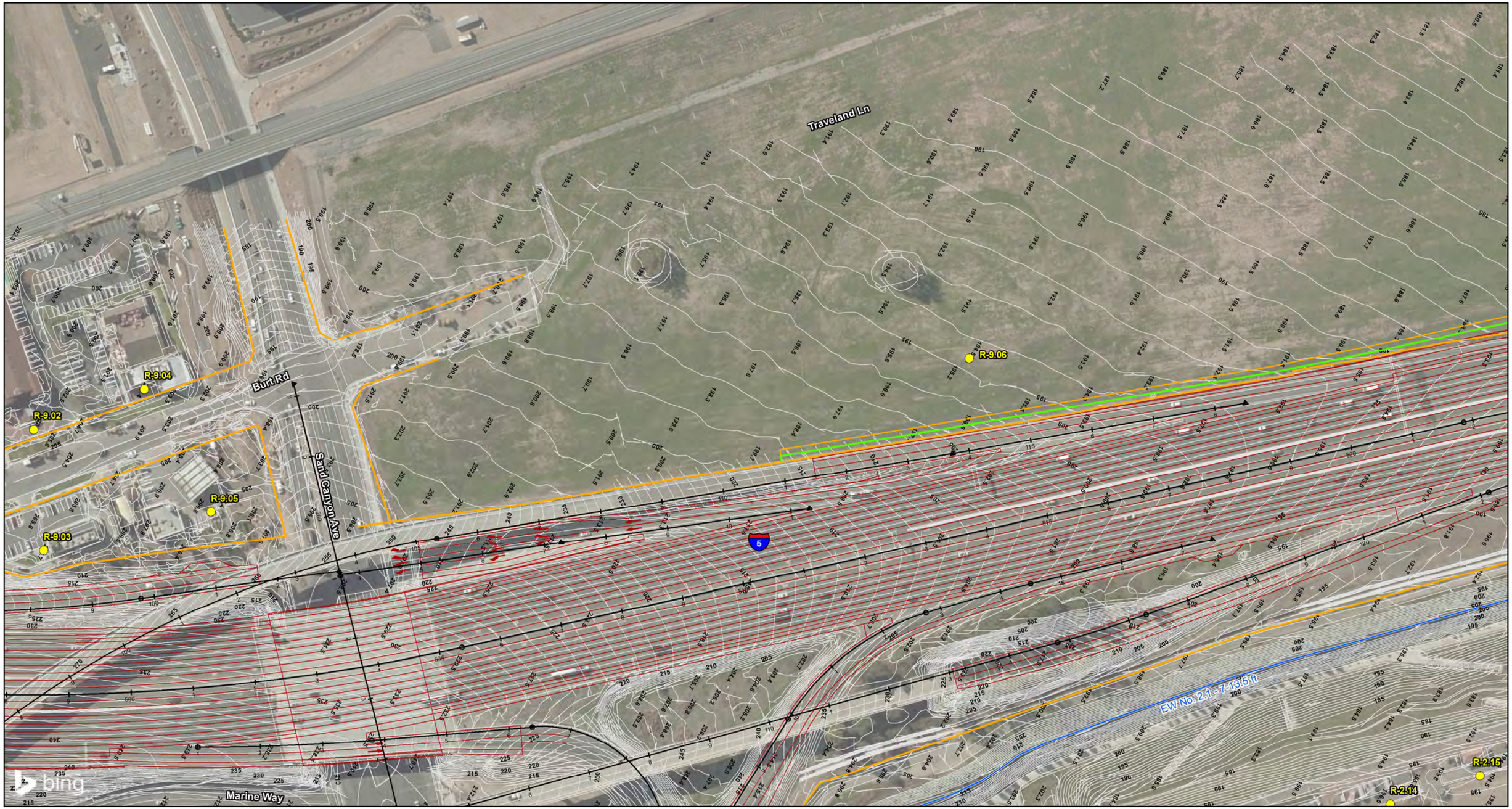
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FIGURE J-2
Sheet 26 of 41

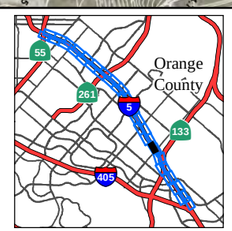
I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
Sheet 27 of 41

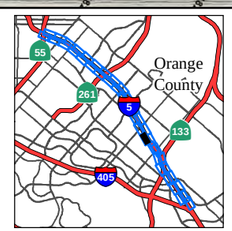
I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

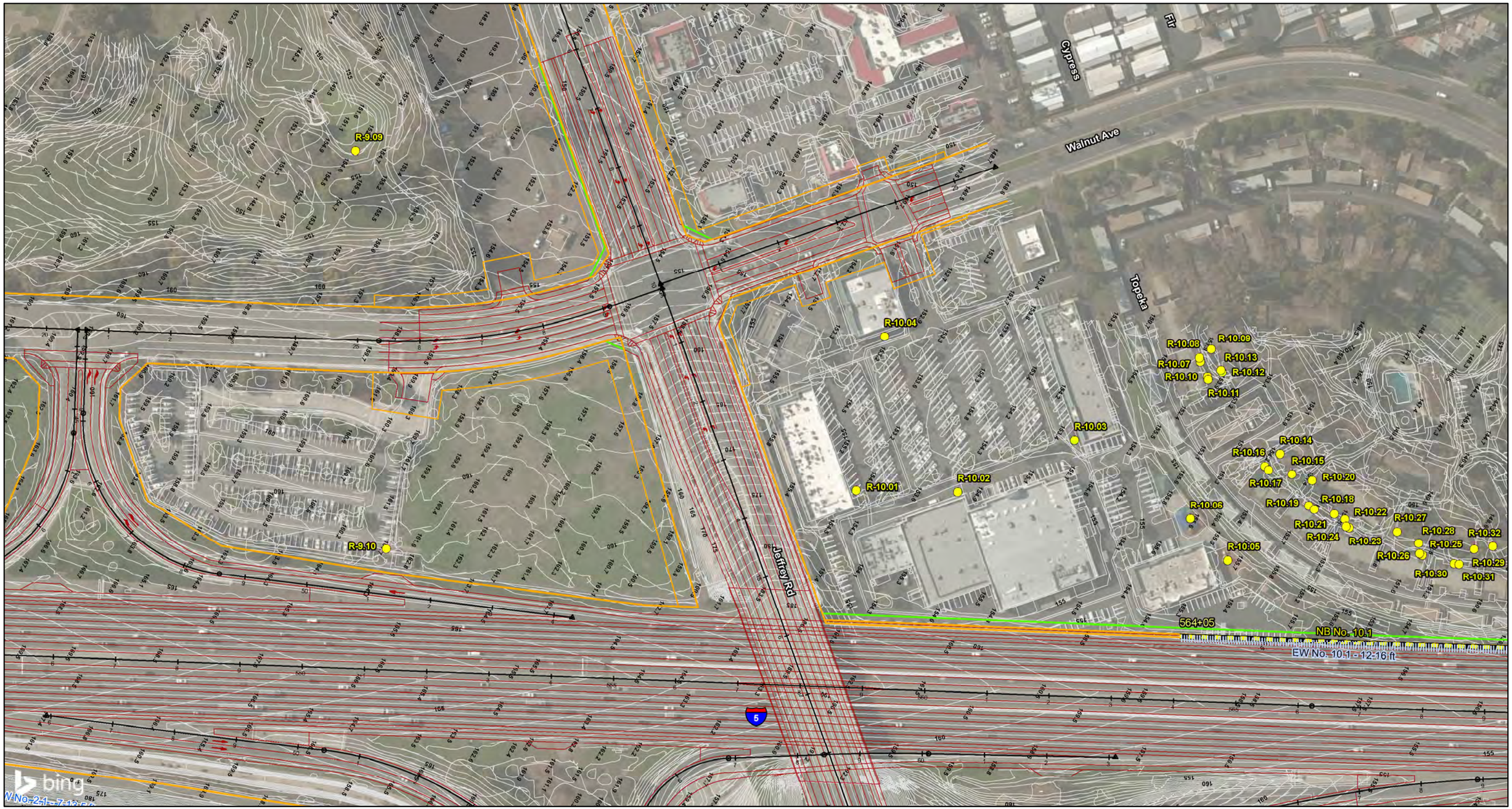


SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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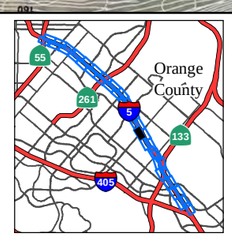


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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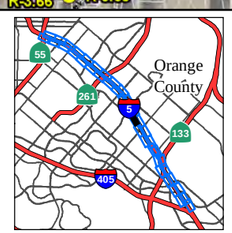


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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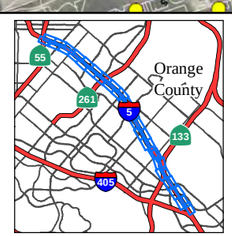
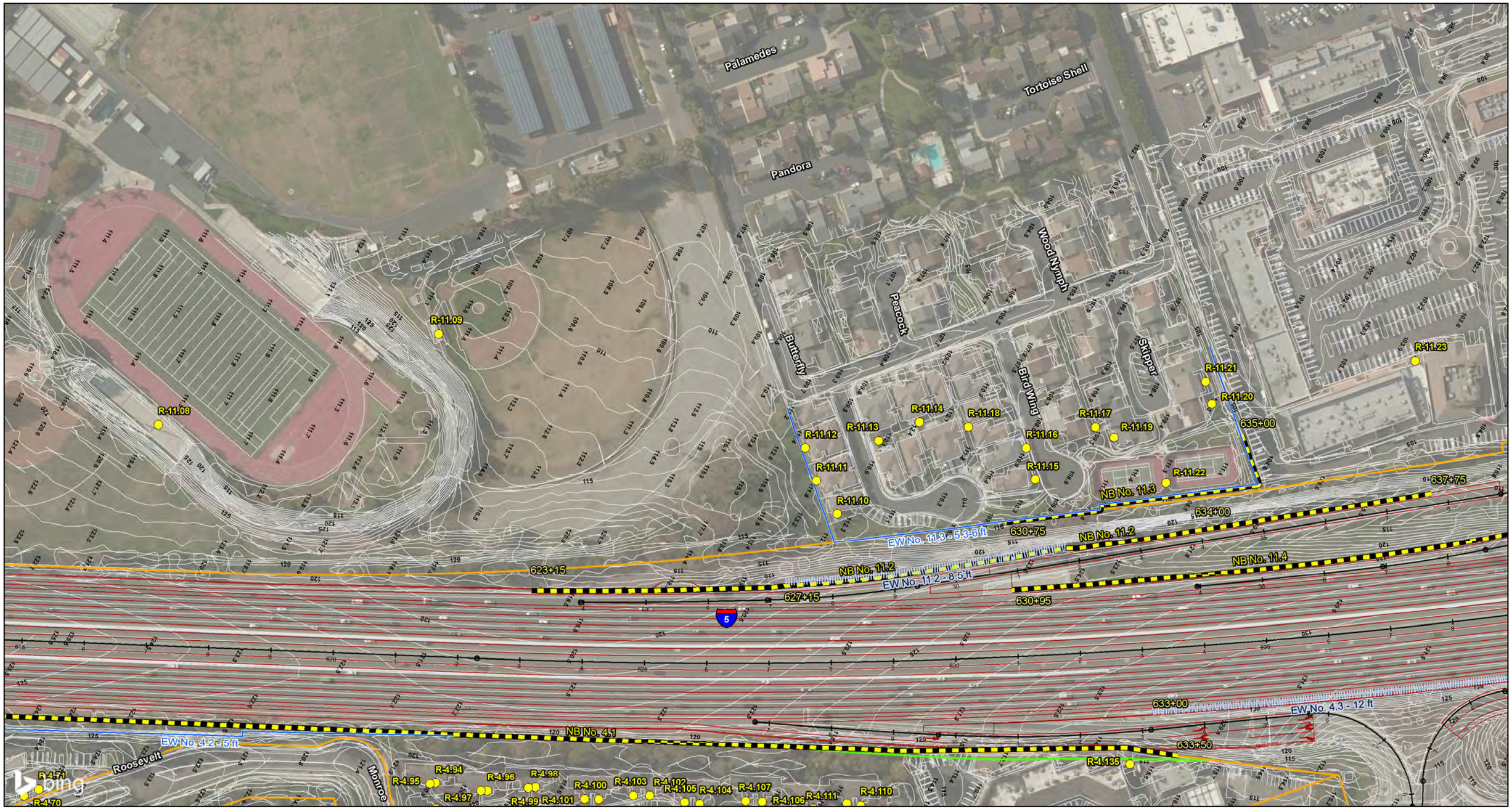


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Existing Right-of-Way
- Proposed Right-of-Way
- Alternative 2A Improvements
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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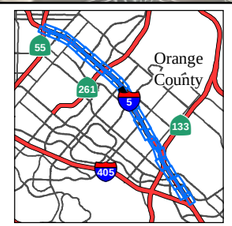


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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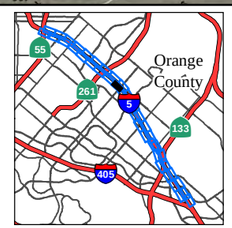


FIGURE J-2
Sheet 33 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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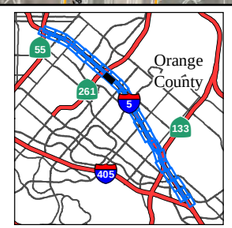
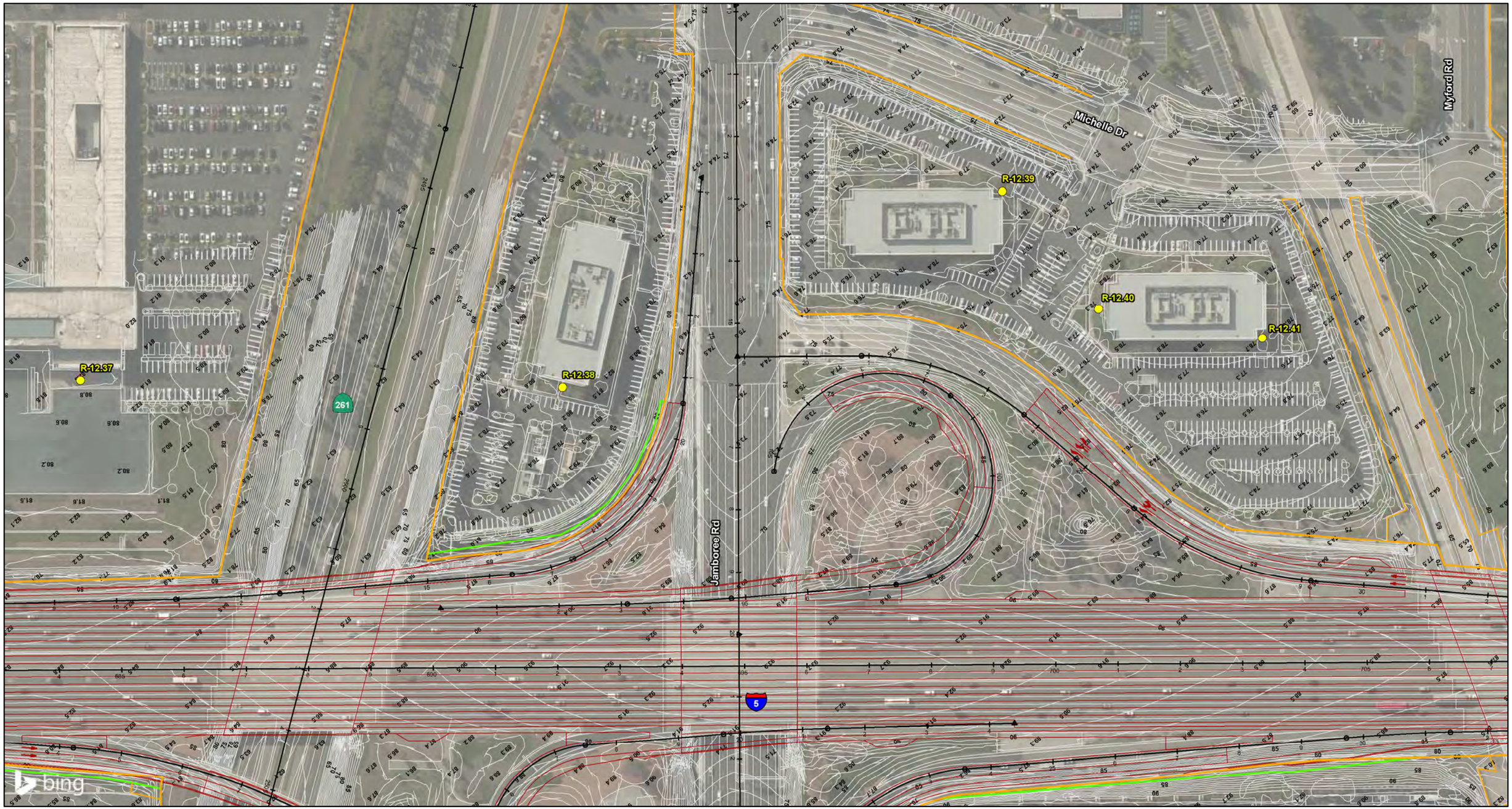


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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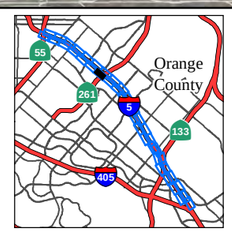
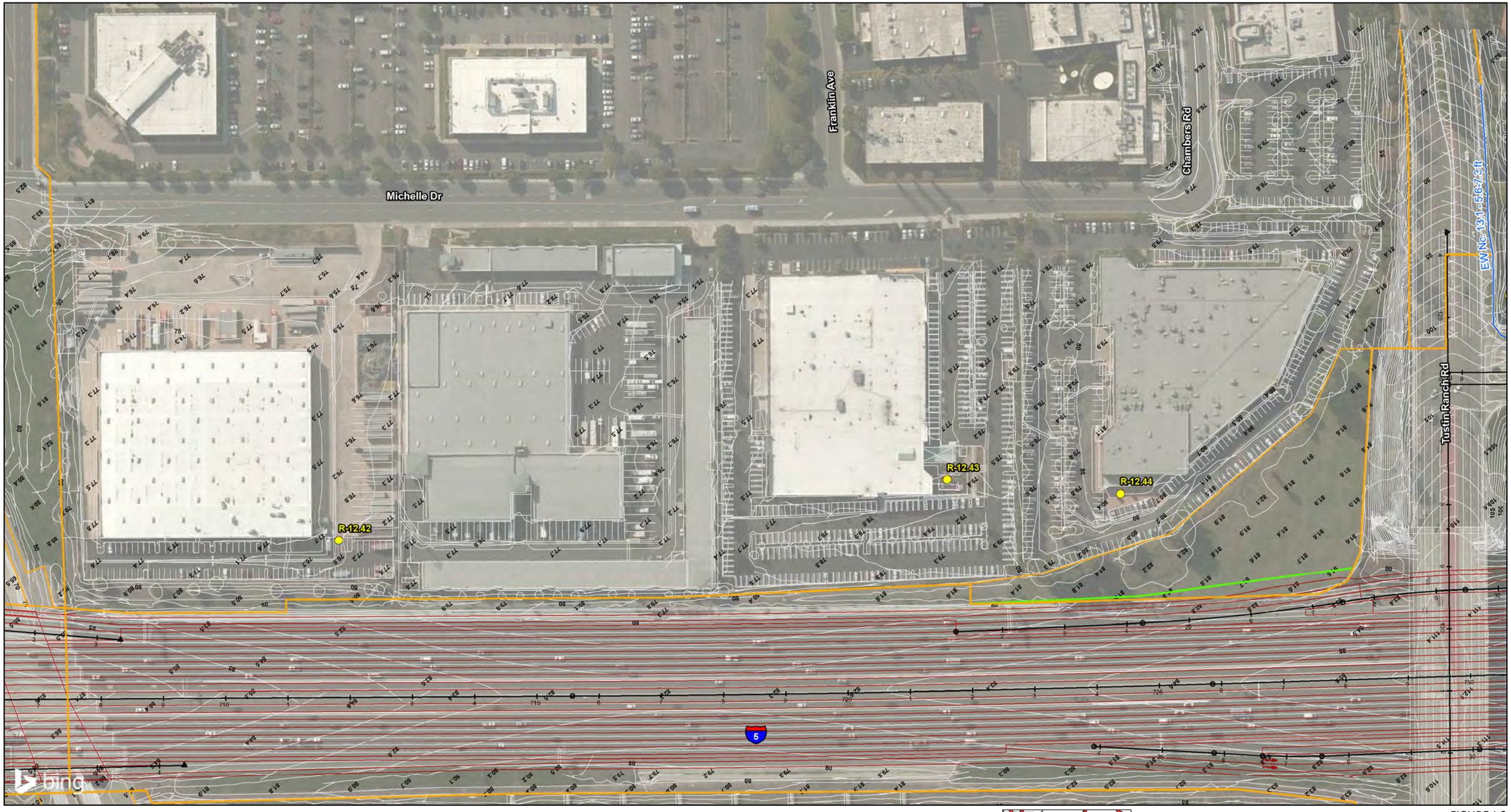


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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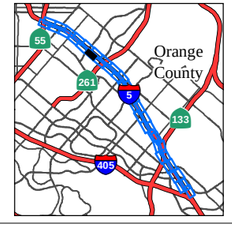


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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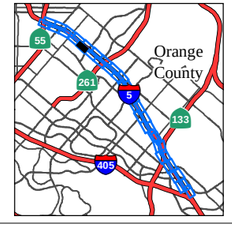
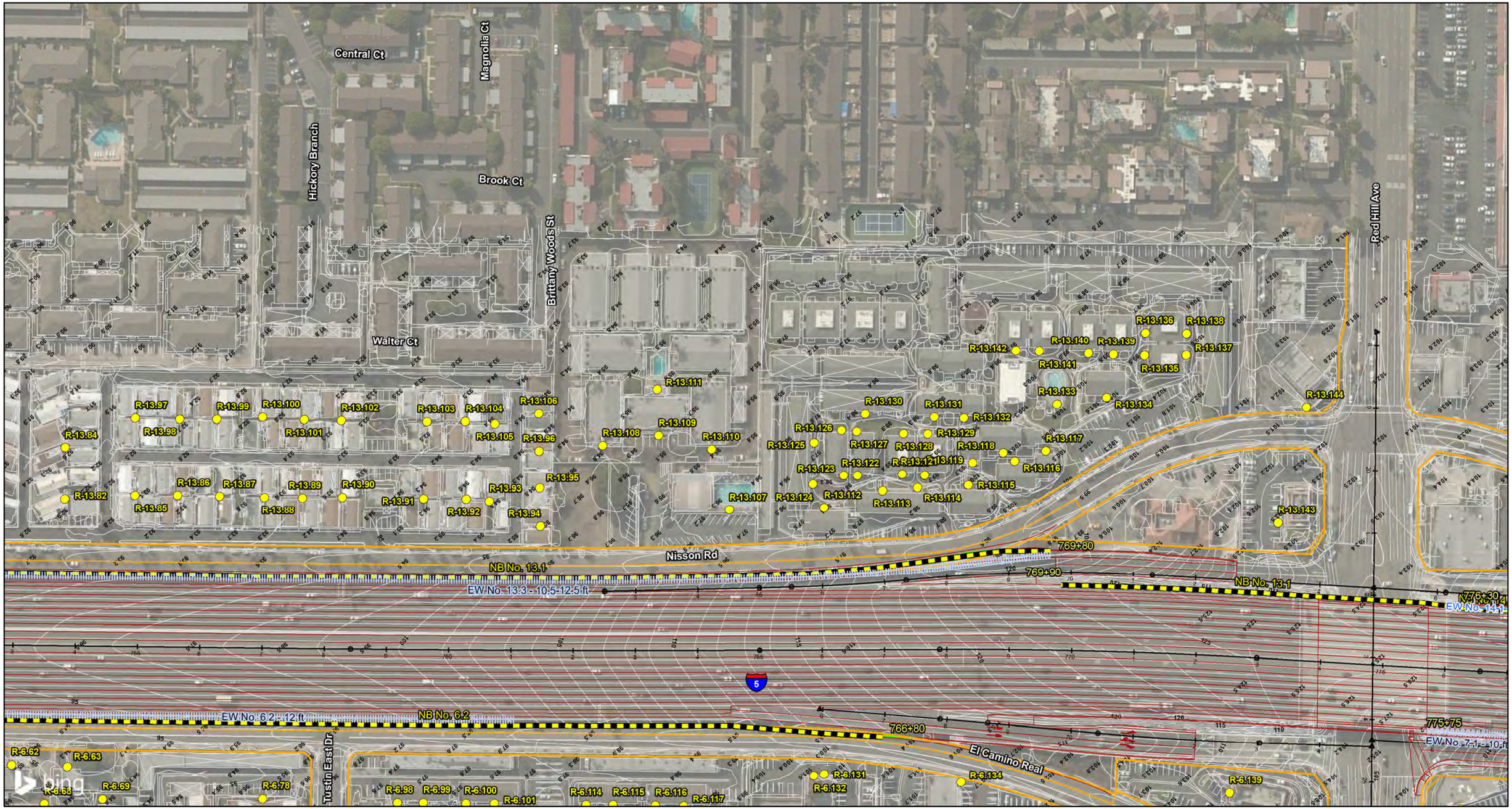


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

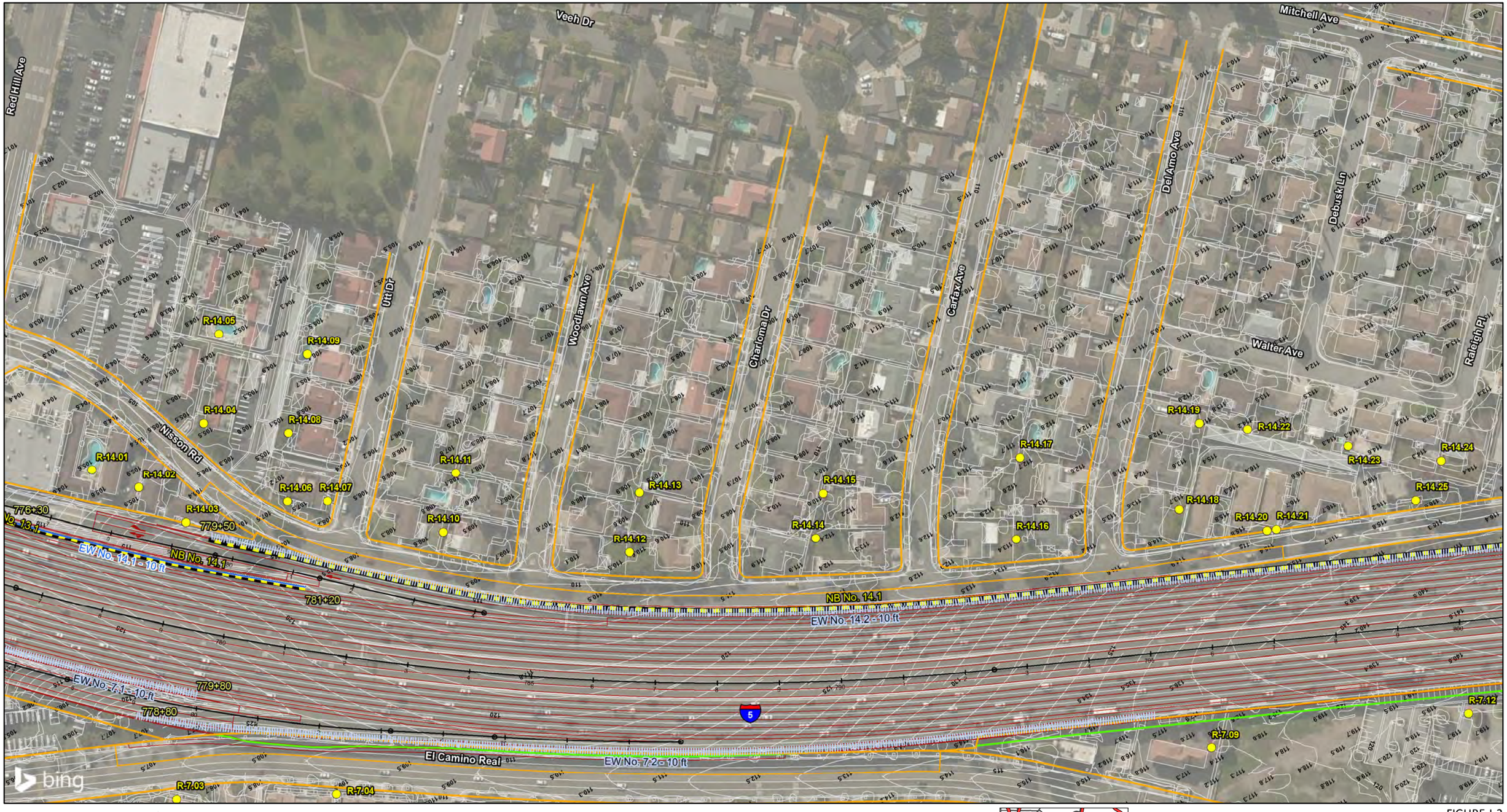


SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
Sheet 38 of 41

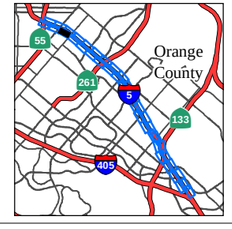
I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-2
Sheet 39 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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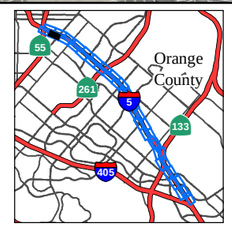
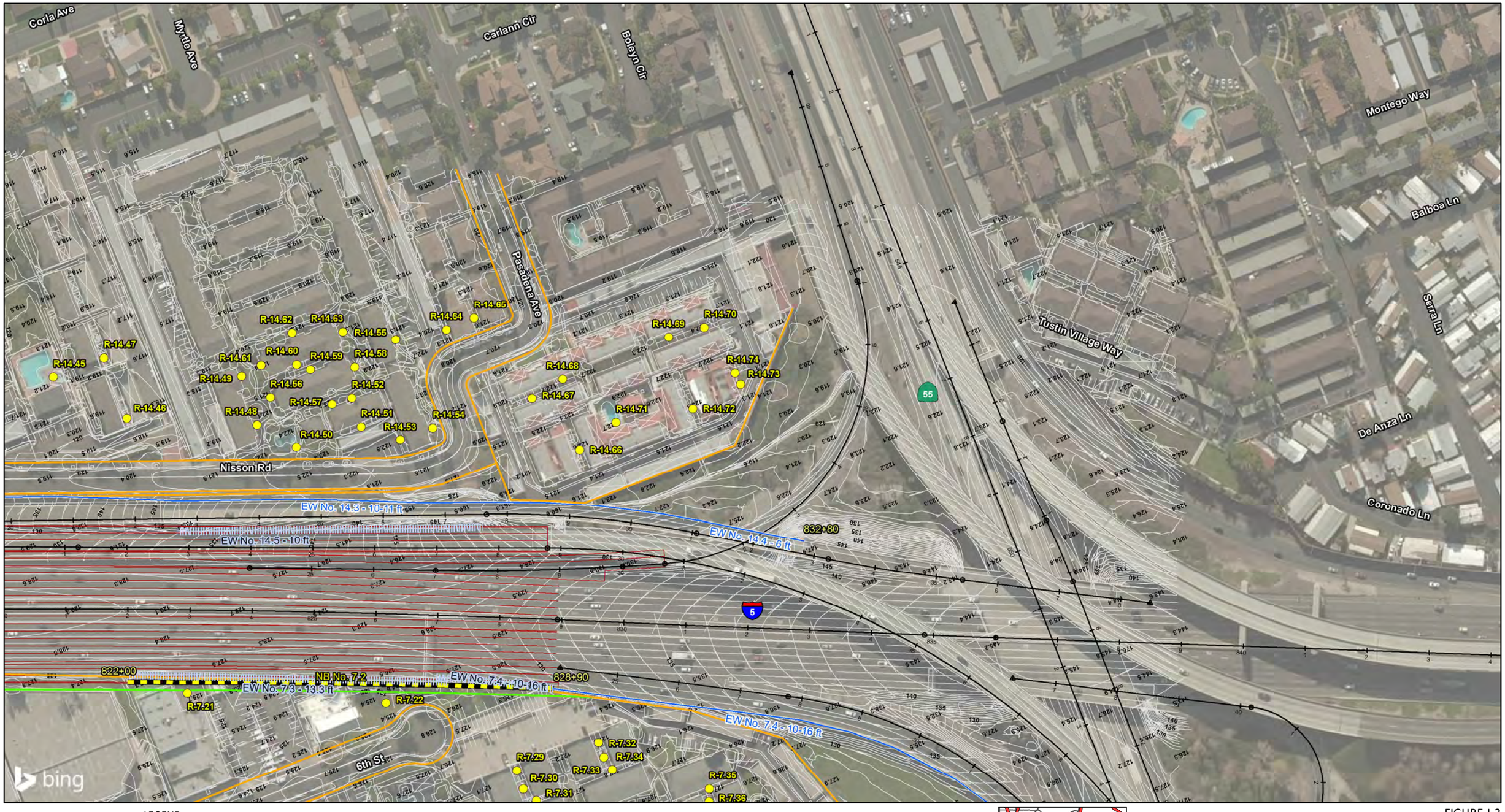


FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

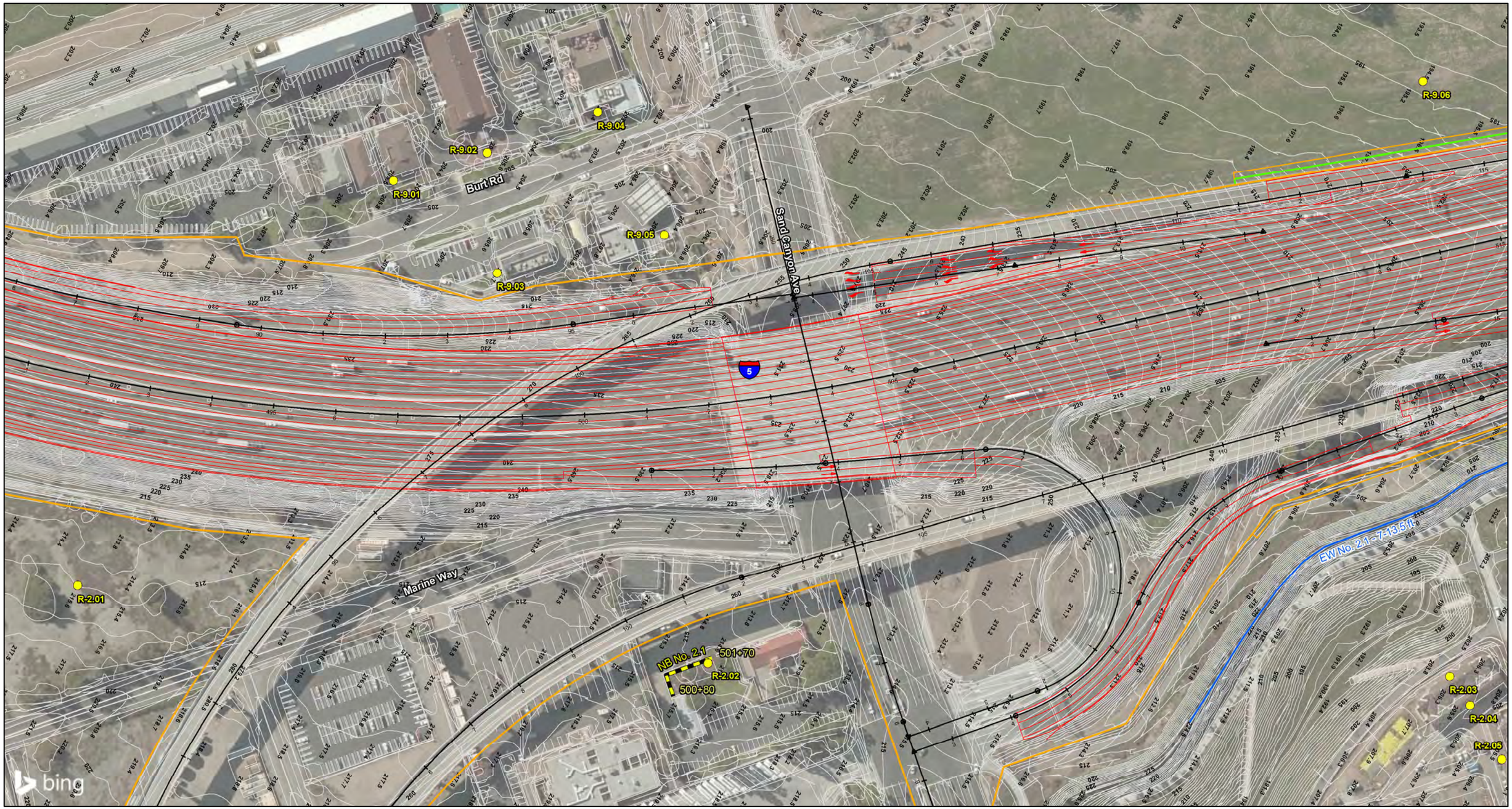
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FIGURE J-2
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I-5 Improvement Project: I-405 to SR-55
Alternative 2A
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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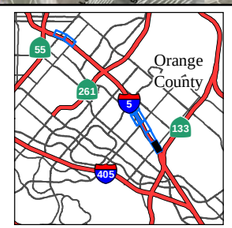
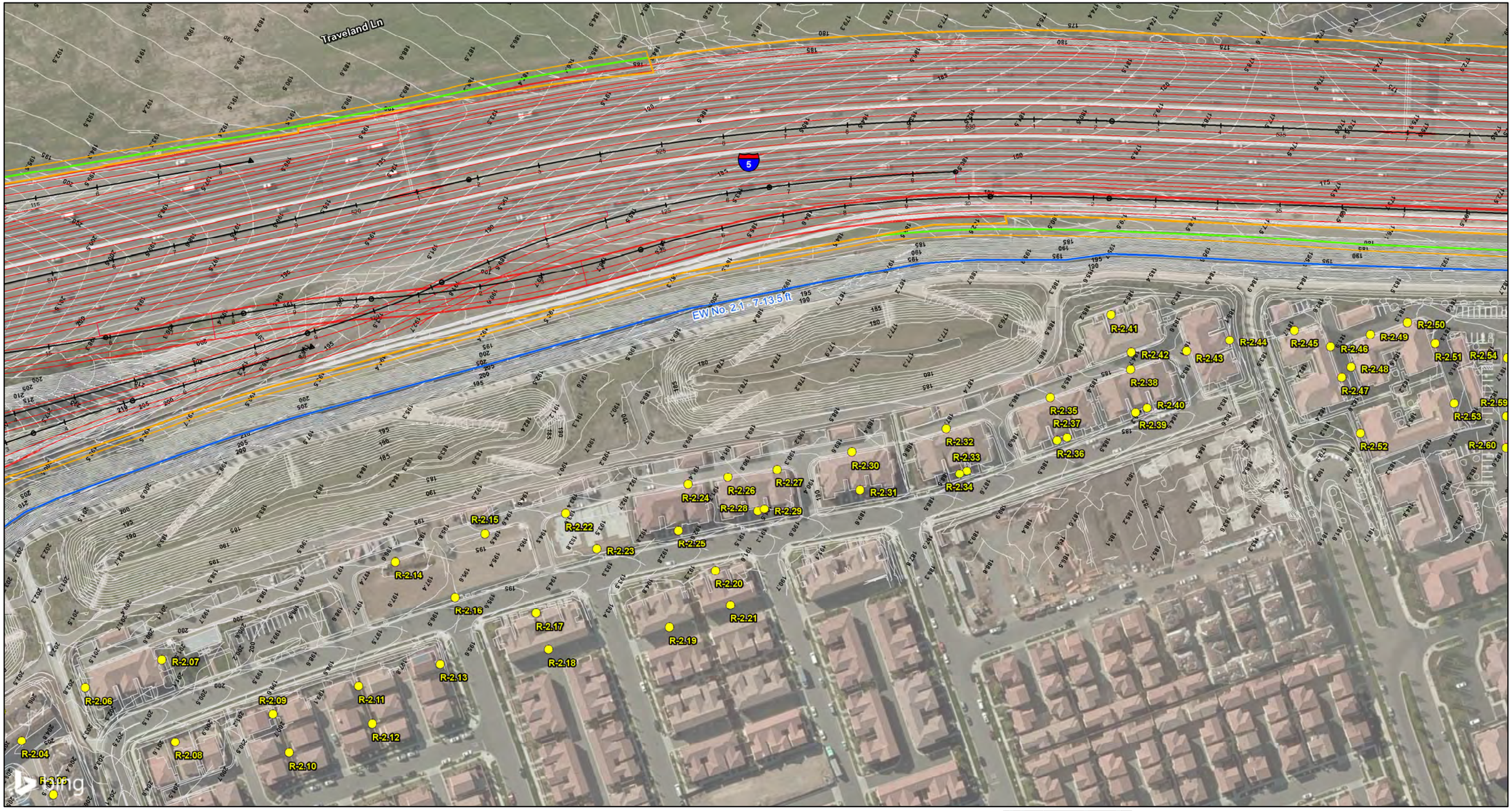


FIGURE J-3
Sheet 1 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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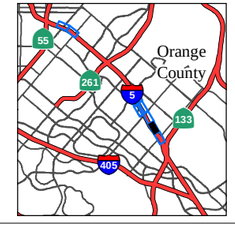
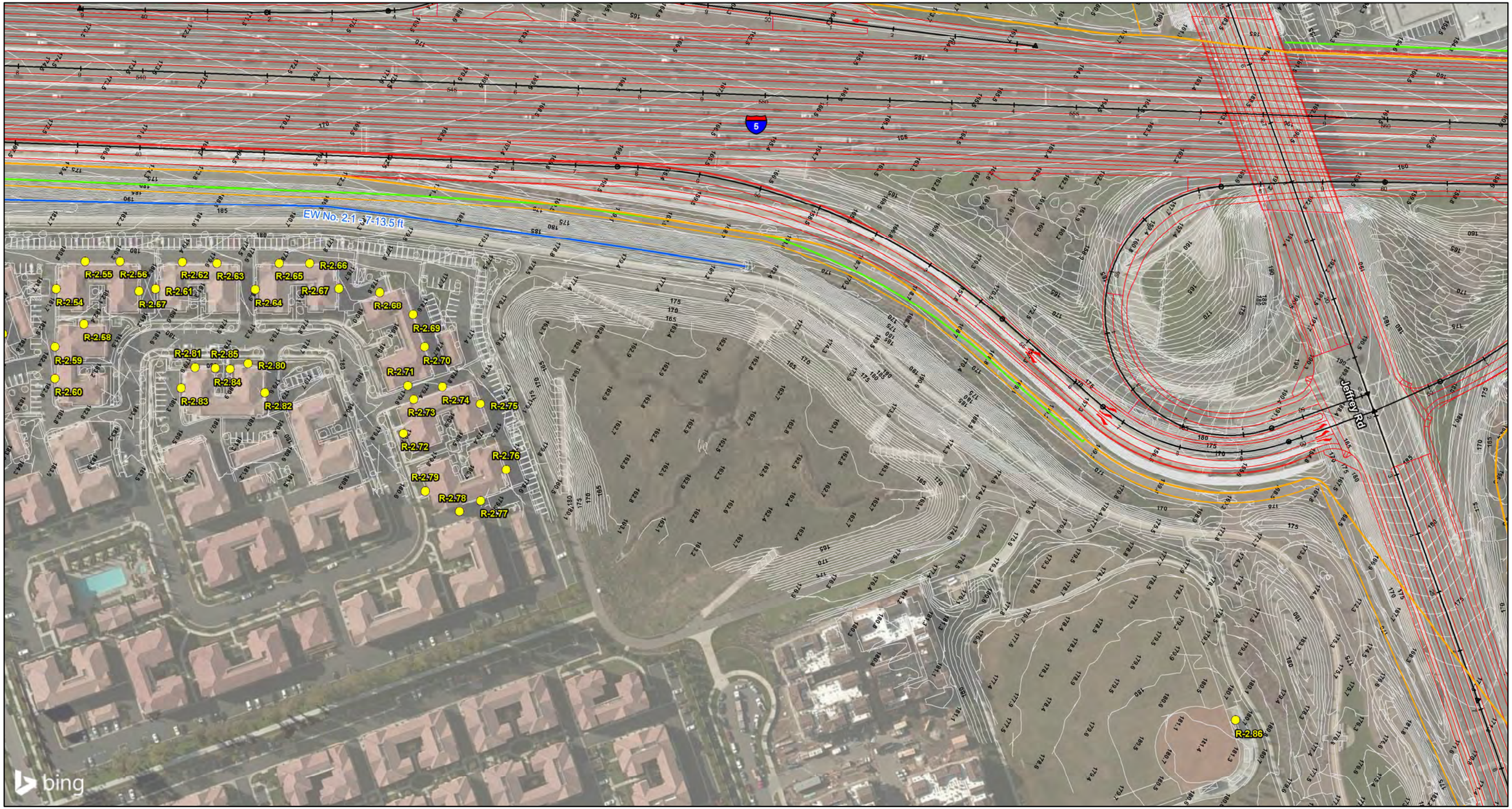


FIGURE J-3
Sheet 2 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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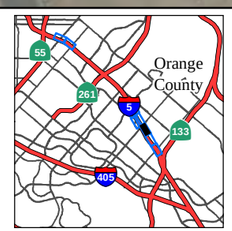


FIGURE J-3
Sheet 3 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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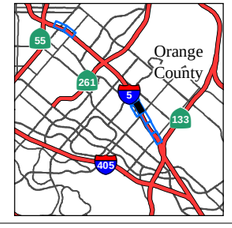


FIGURE J-3
Sheet 4 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

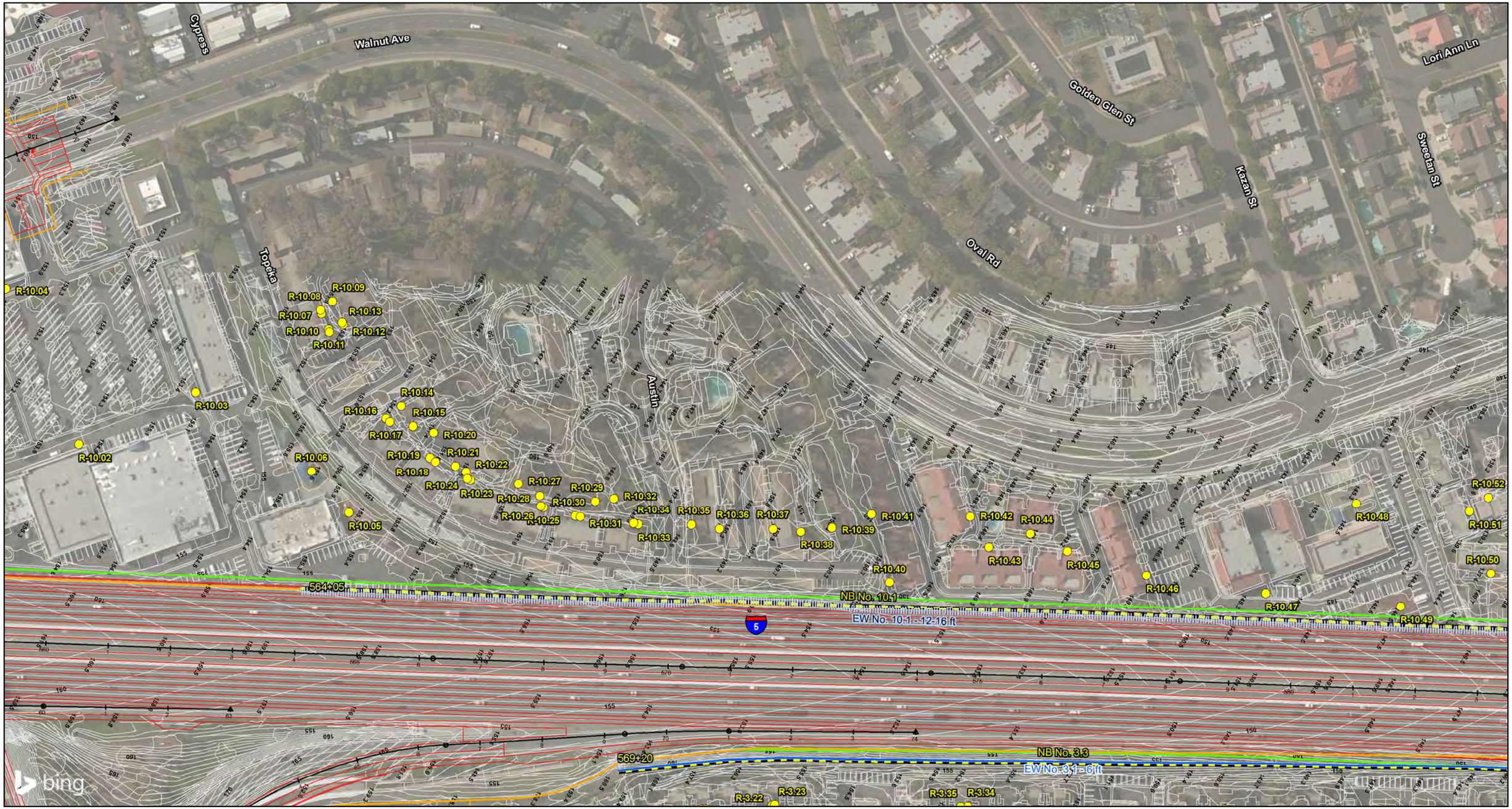


FIGURE J-3
Sheet 5 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

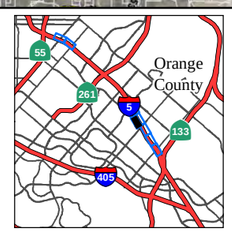
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LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-3
Sheet 6 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2A with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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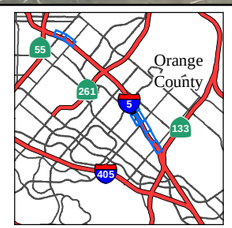


FIGURE J-3
Sheet 7 of 7

I-5 Improvement Project: I-405 to SR-55
Alternative 2A with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)

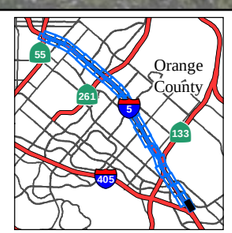
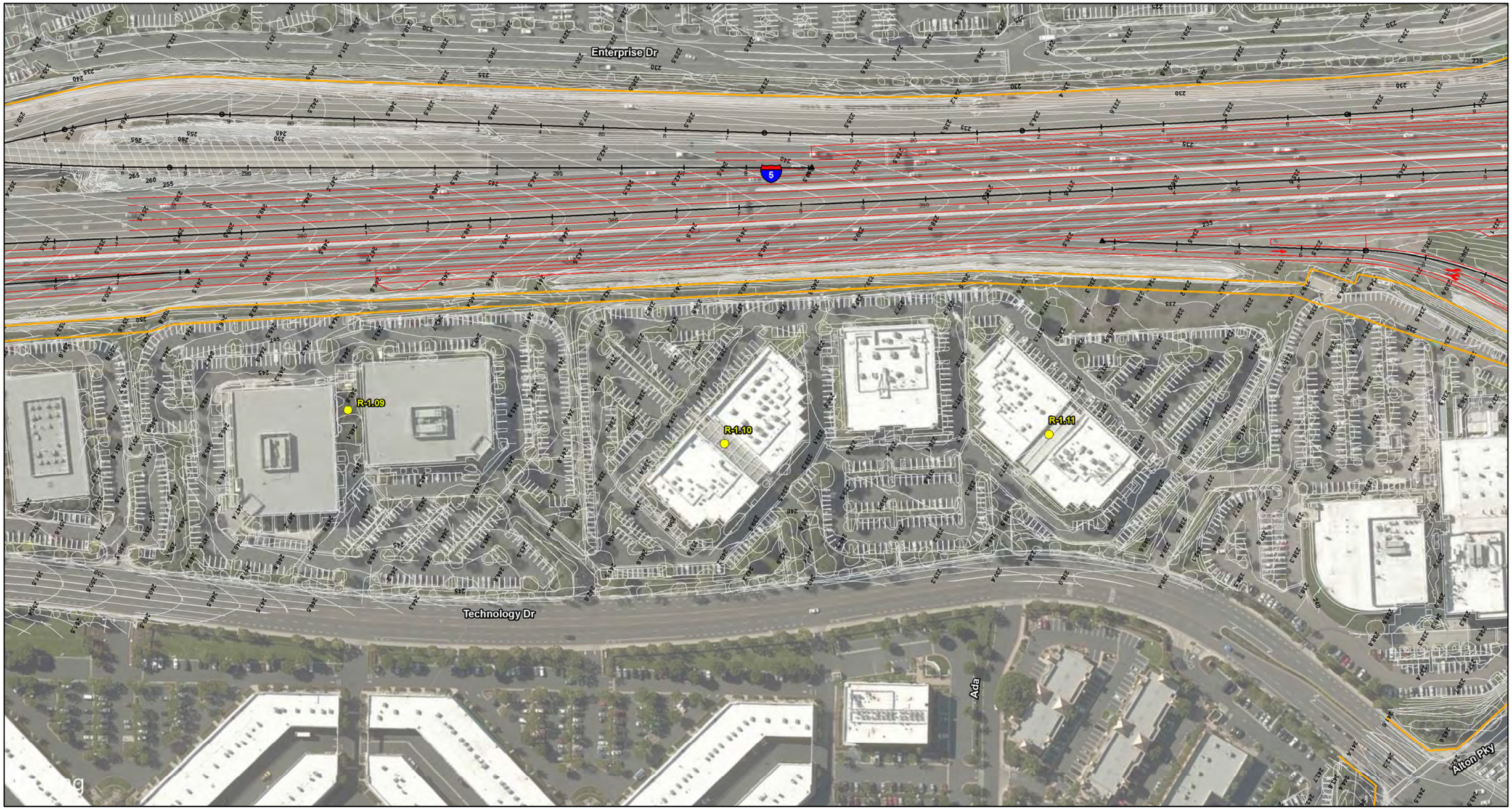


FIGURE J-4
Sheet 1 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

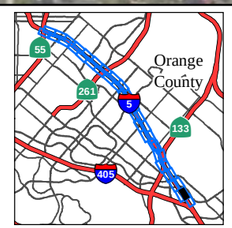
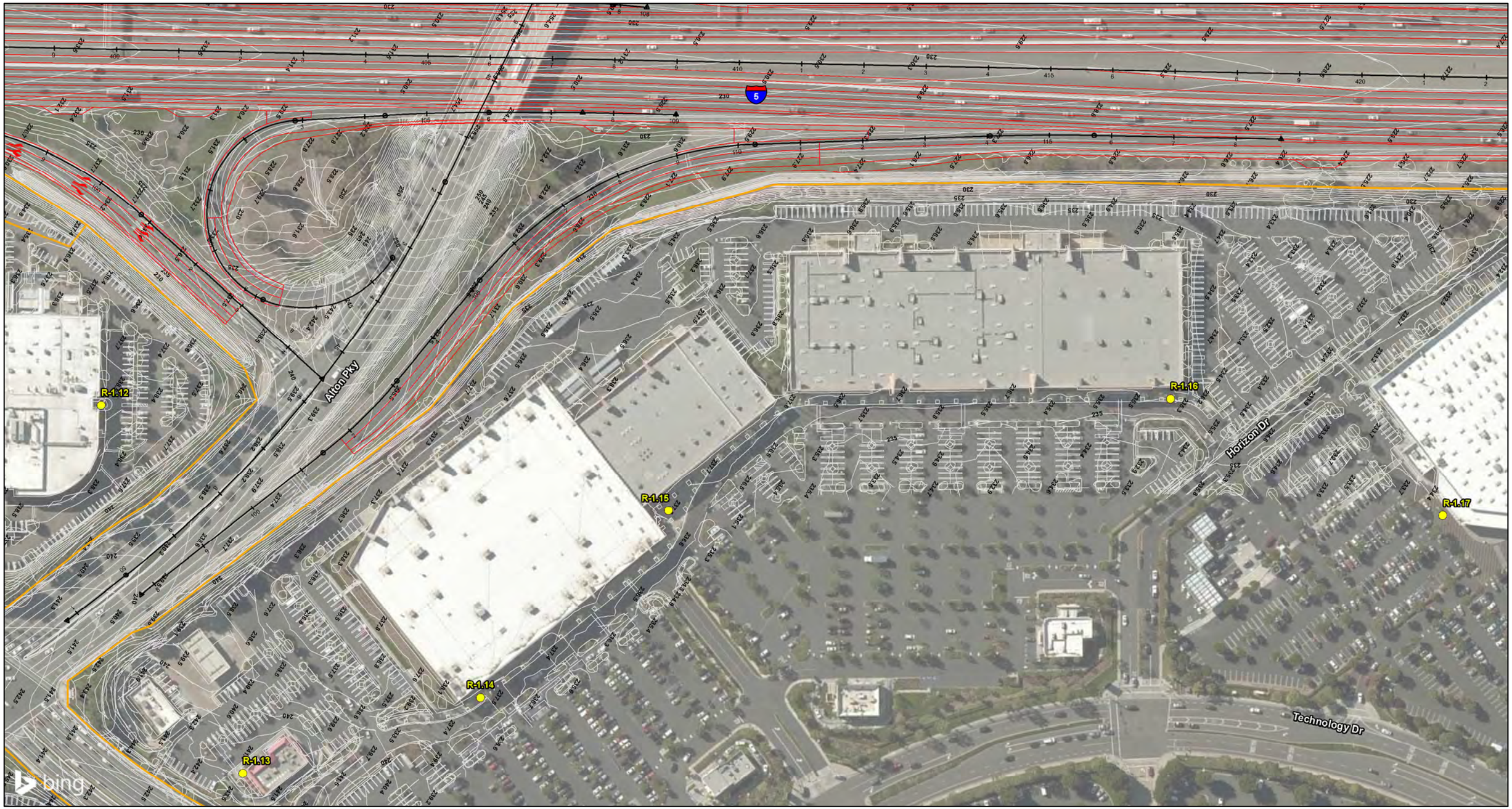


FIGURE J-4
Sheet 2 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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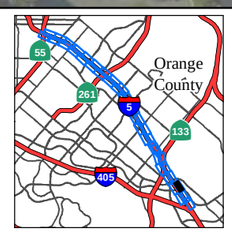
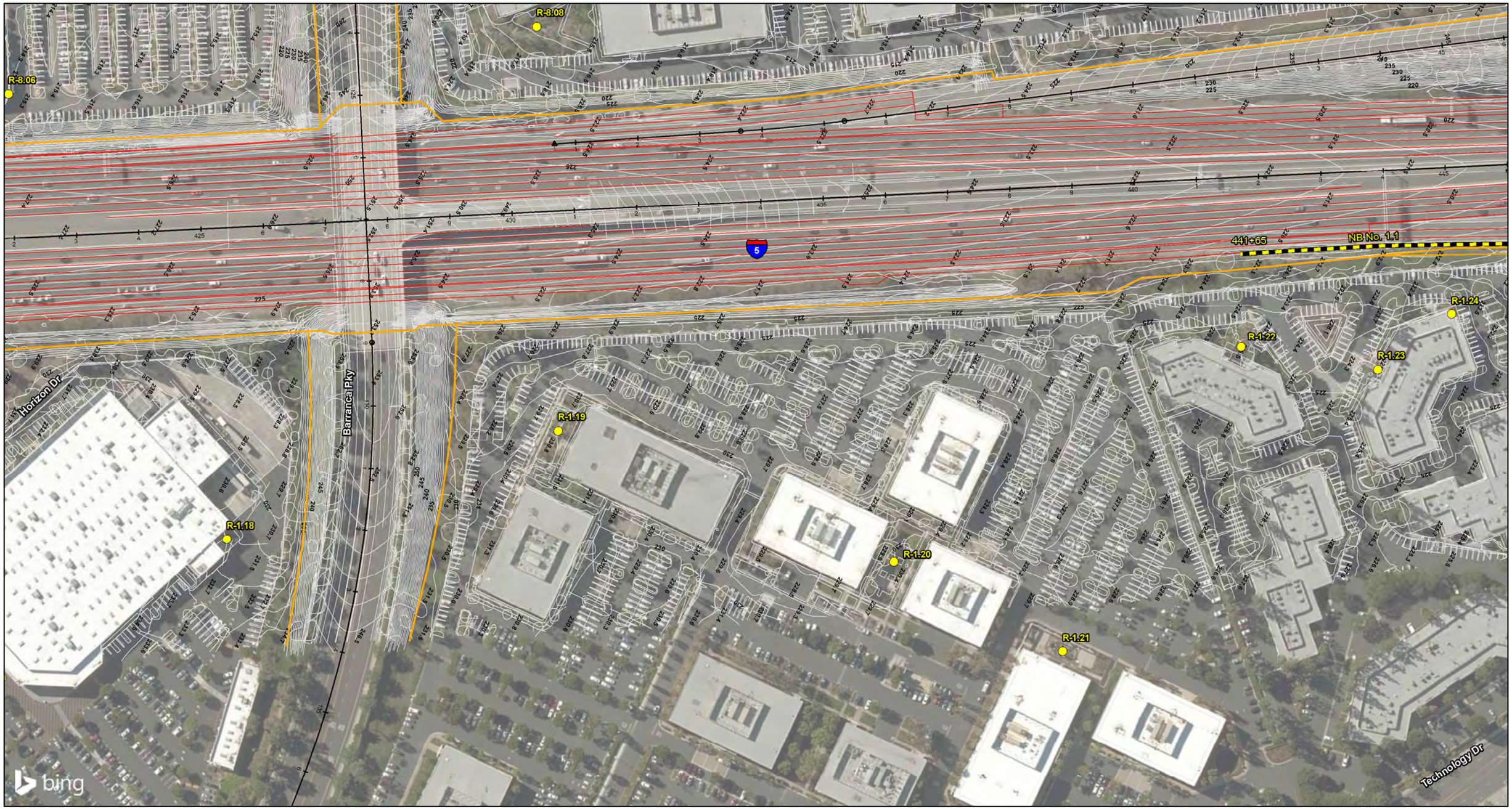


FIGURE J-4
Sheet 3 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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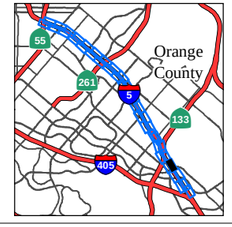
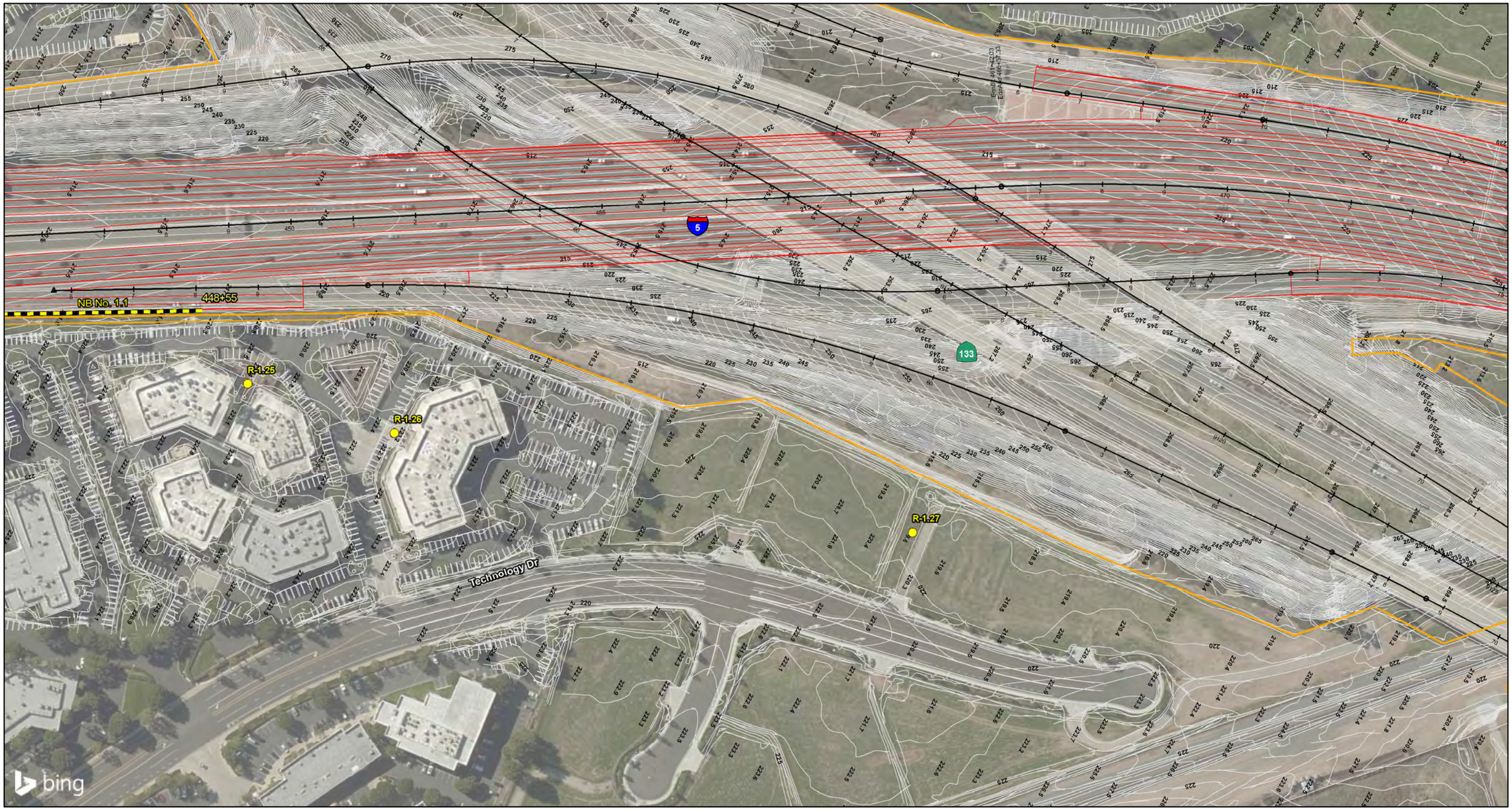


FIGURE J-4
Sheet 4 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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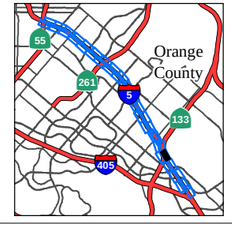
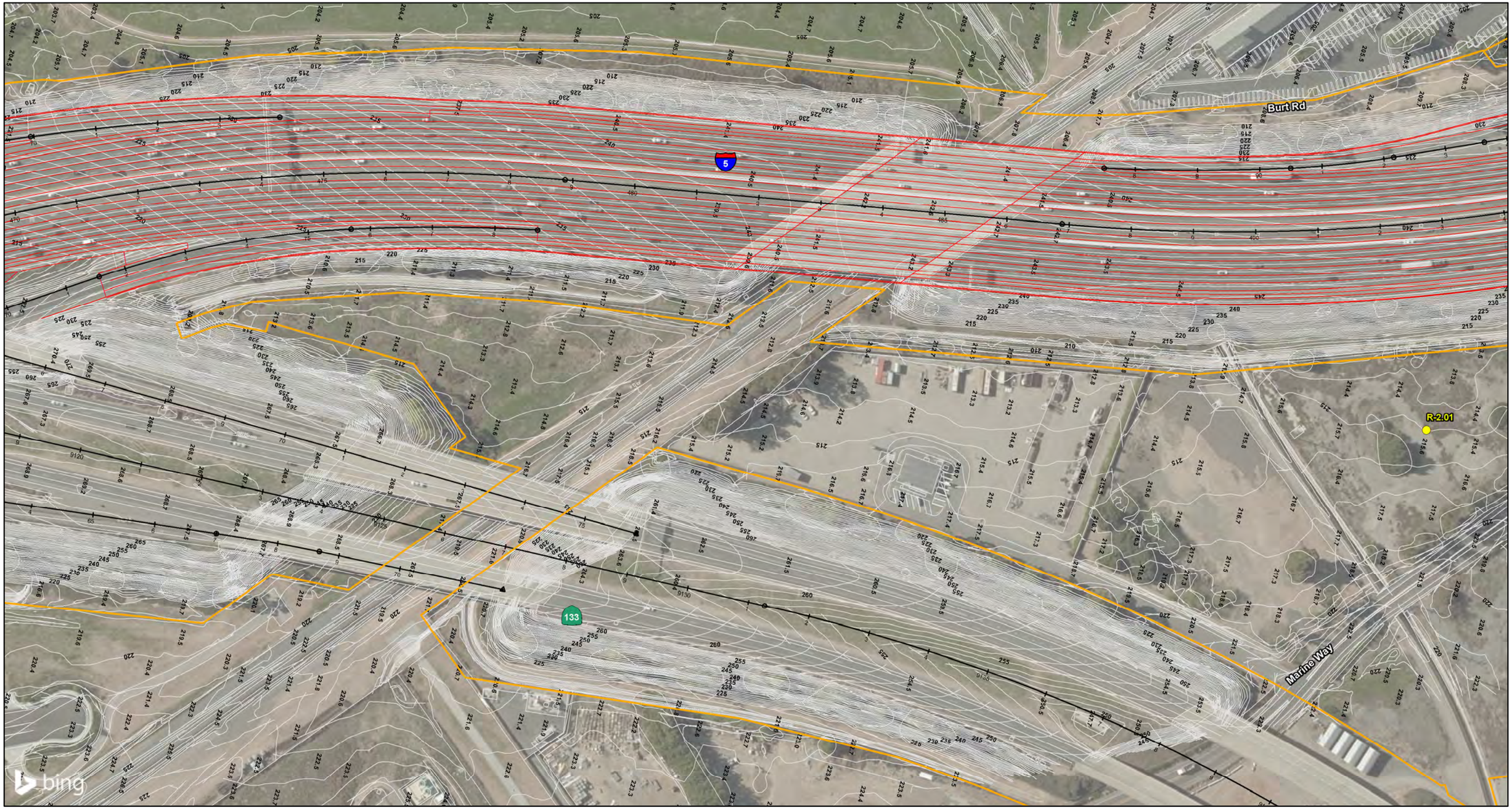


FIGURE J-4
Sheet 5 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)



FIGURE J-4
Sheet 6 of 41

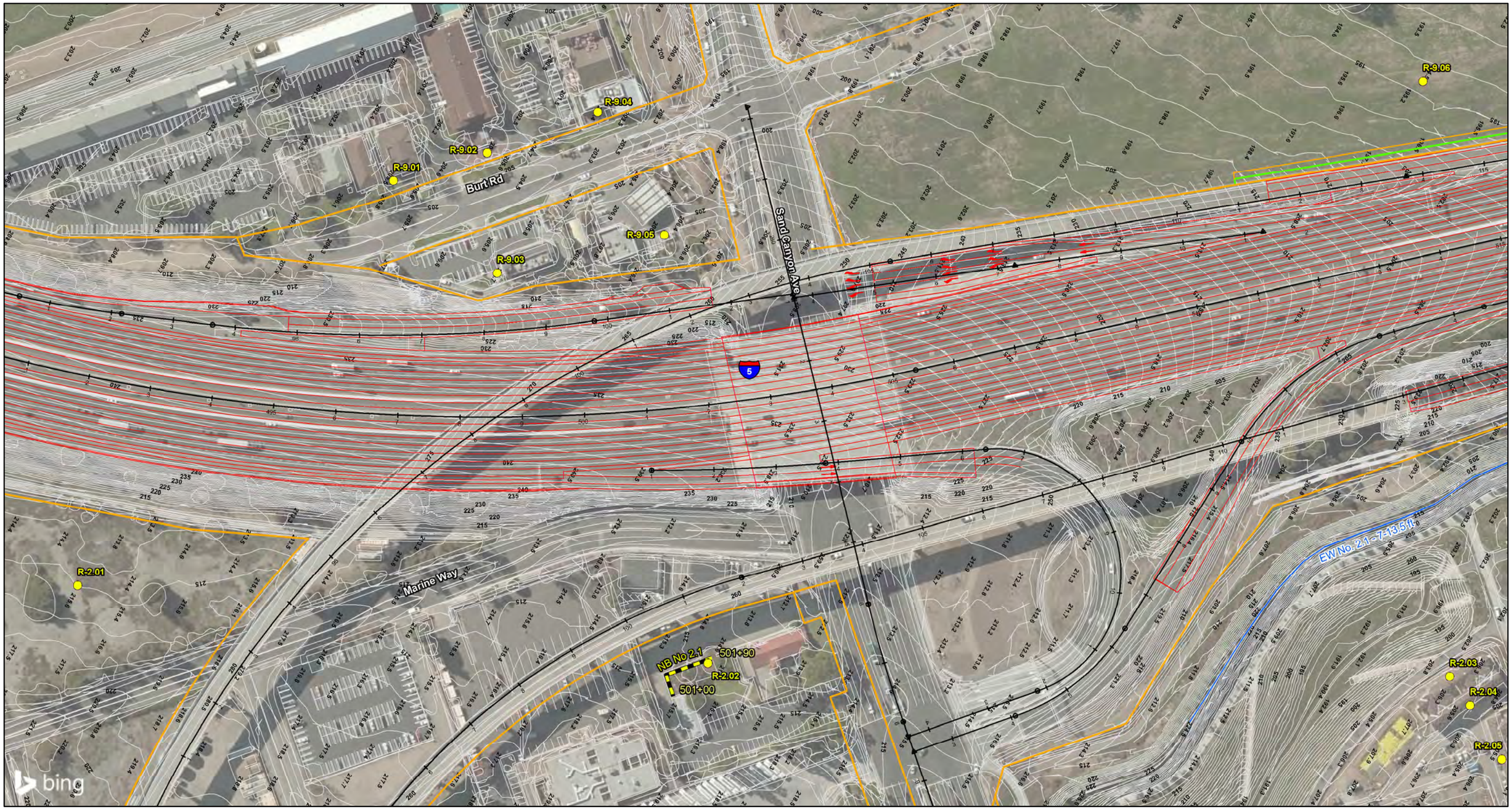
I-5 Improvement Project: I-405 to SR-55

Alternative 2B

Modeled Noise Barriers and Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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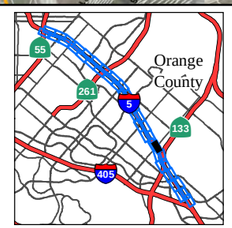


FIGURE J-4
Sheet 7 of 41

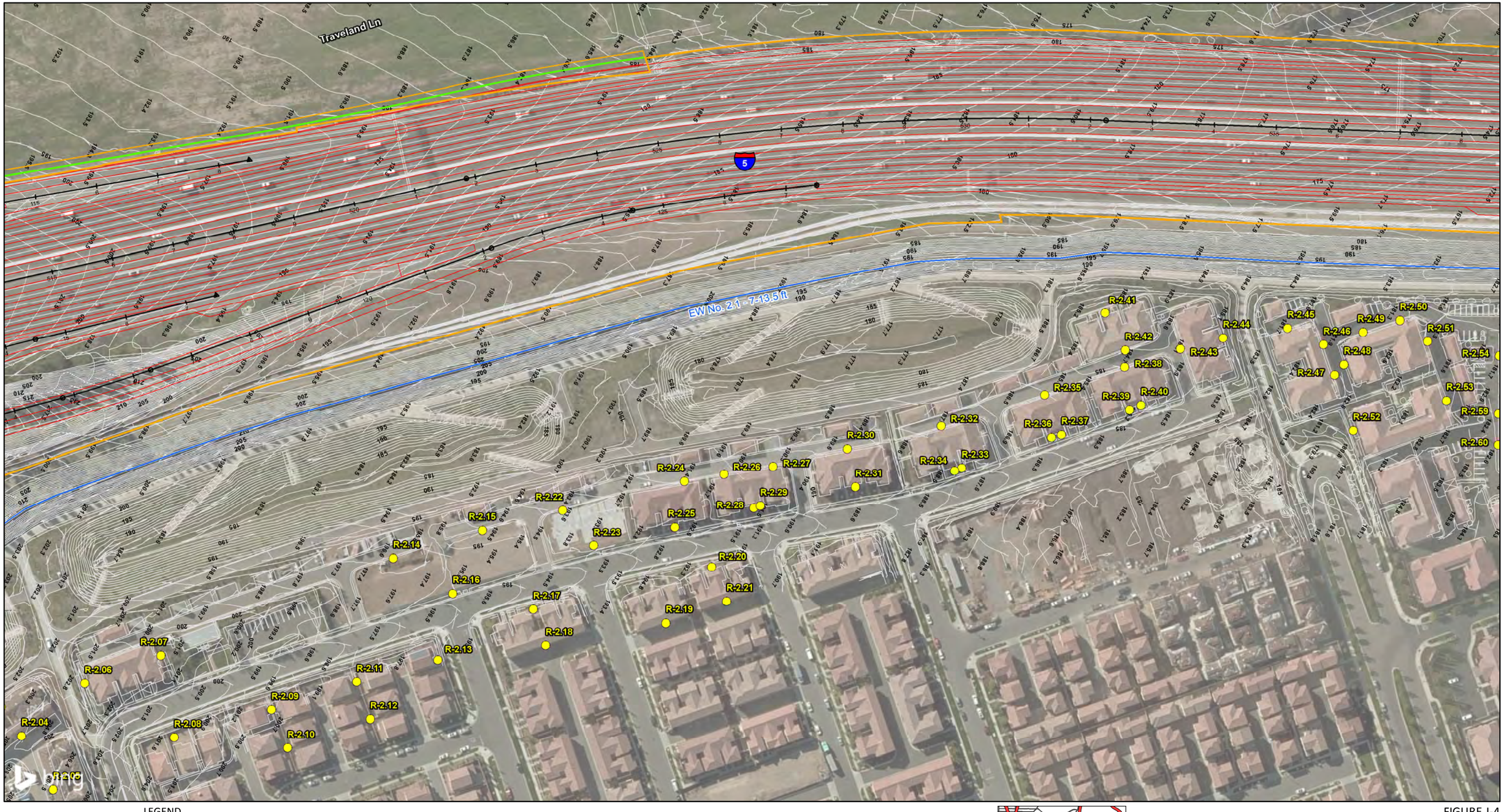
I-5 Improvement Project: I-405 to SR-55

Alternative 2B

Modeled Noise Barriers and Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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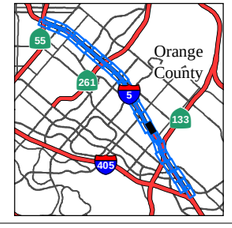


FIGURE J-4
Sheet 8 of 41

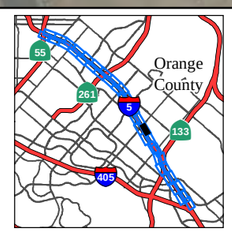
I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-4
Sheet 9 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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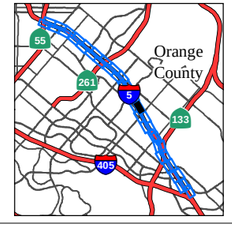


FIGURE J-4
Sheet 10 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

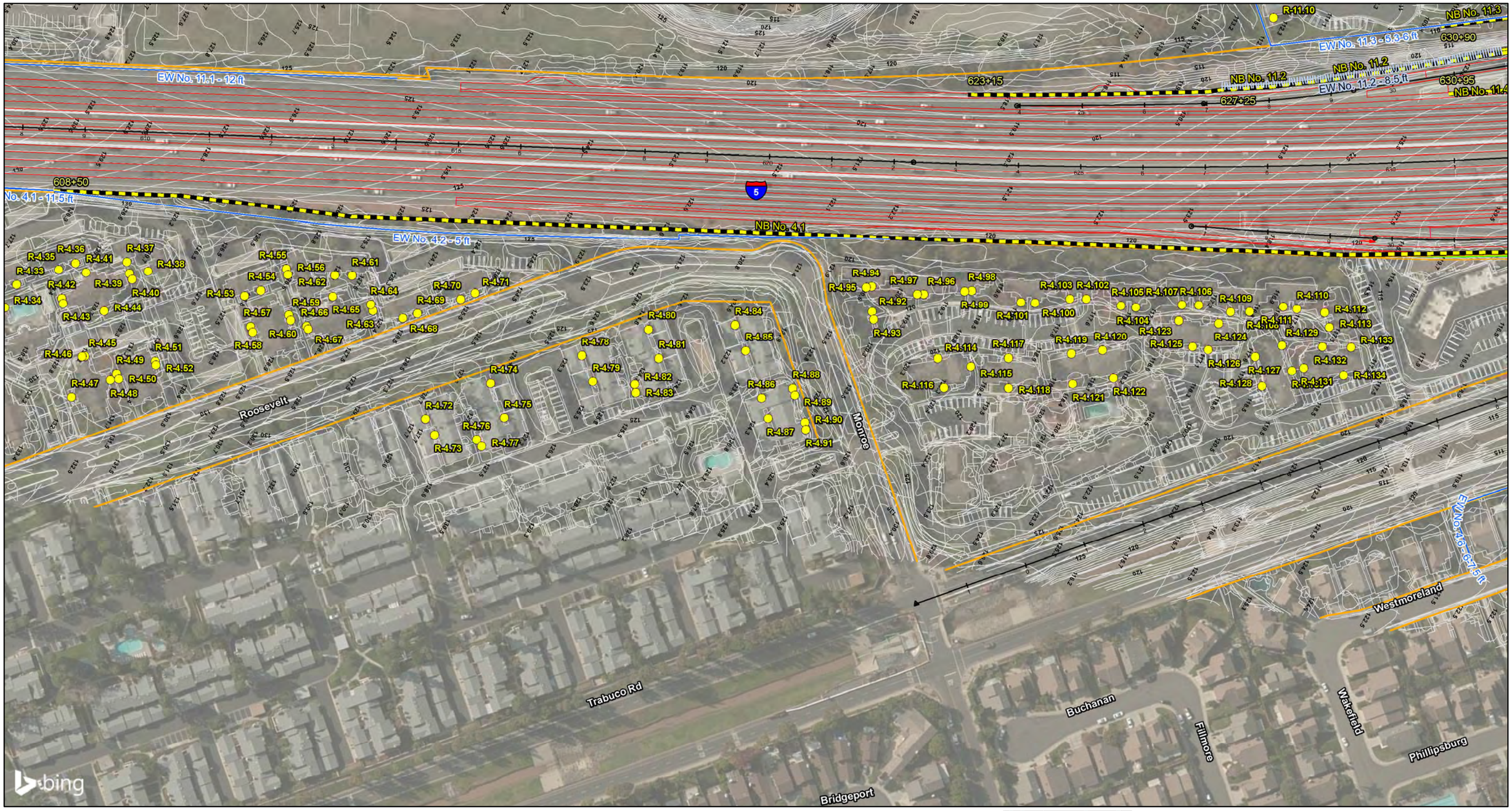
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FIGURE J-4
Sheet 11 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)

FIGURE J-4
Sheet 12 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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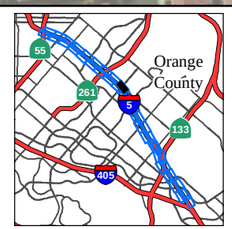


FIGURE J-4
Sheet 13 of 41

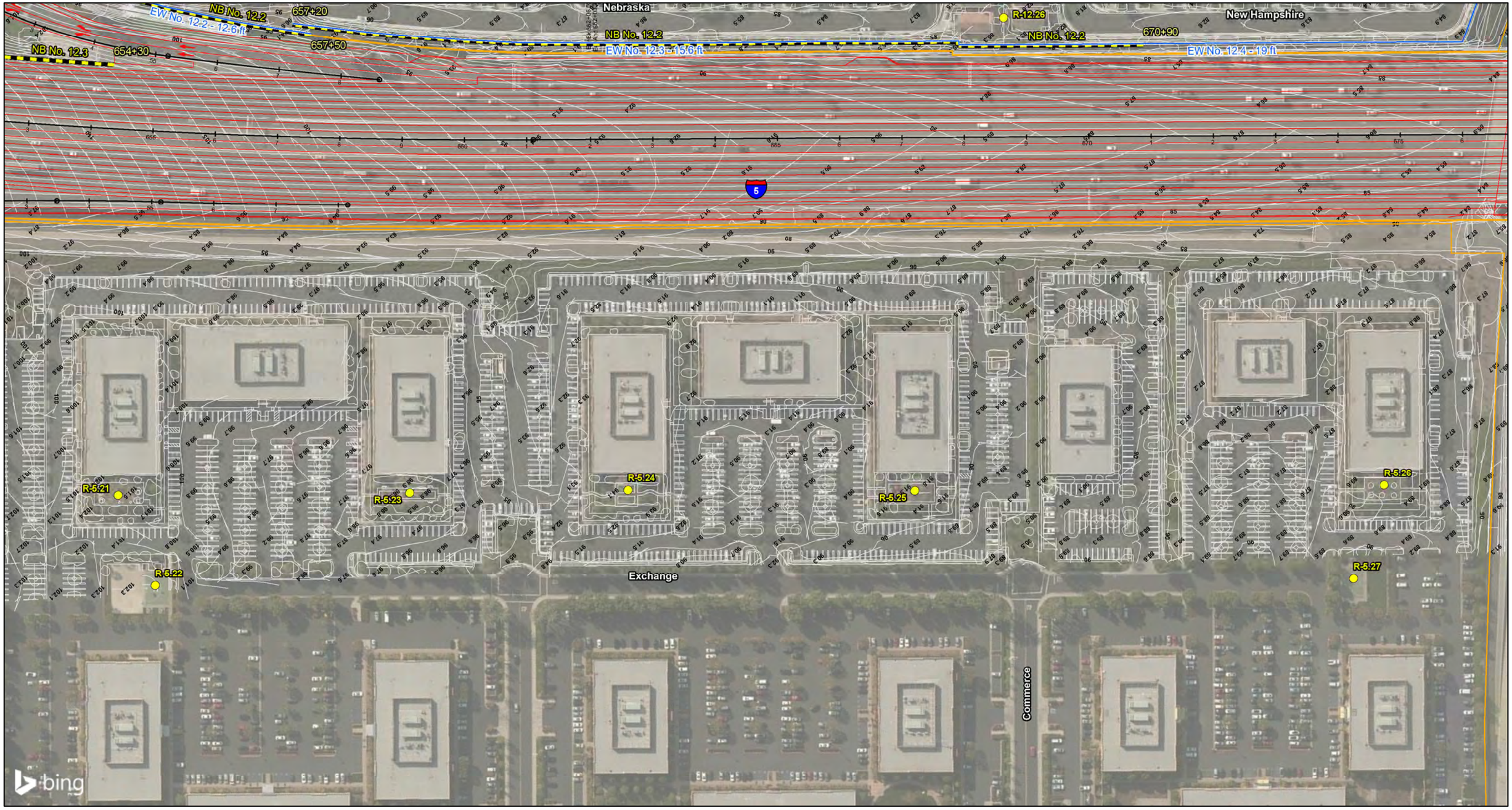
I-5 Improvement Project: I-405 to SR-55

Alternative 2B

Modeled Noise Barriers and Receptor Locations

12-ORA-5 PM 21.3/30.3

EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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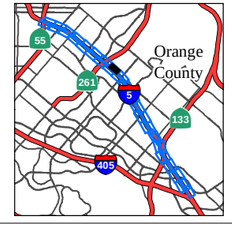
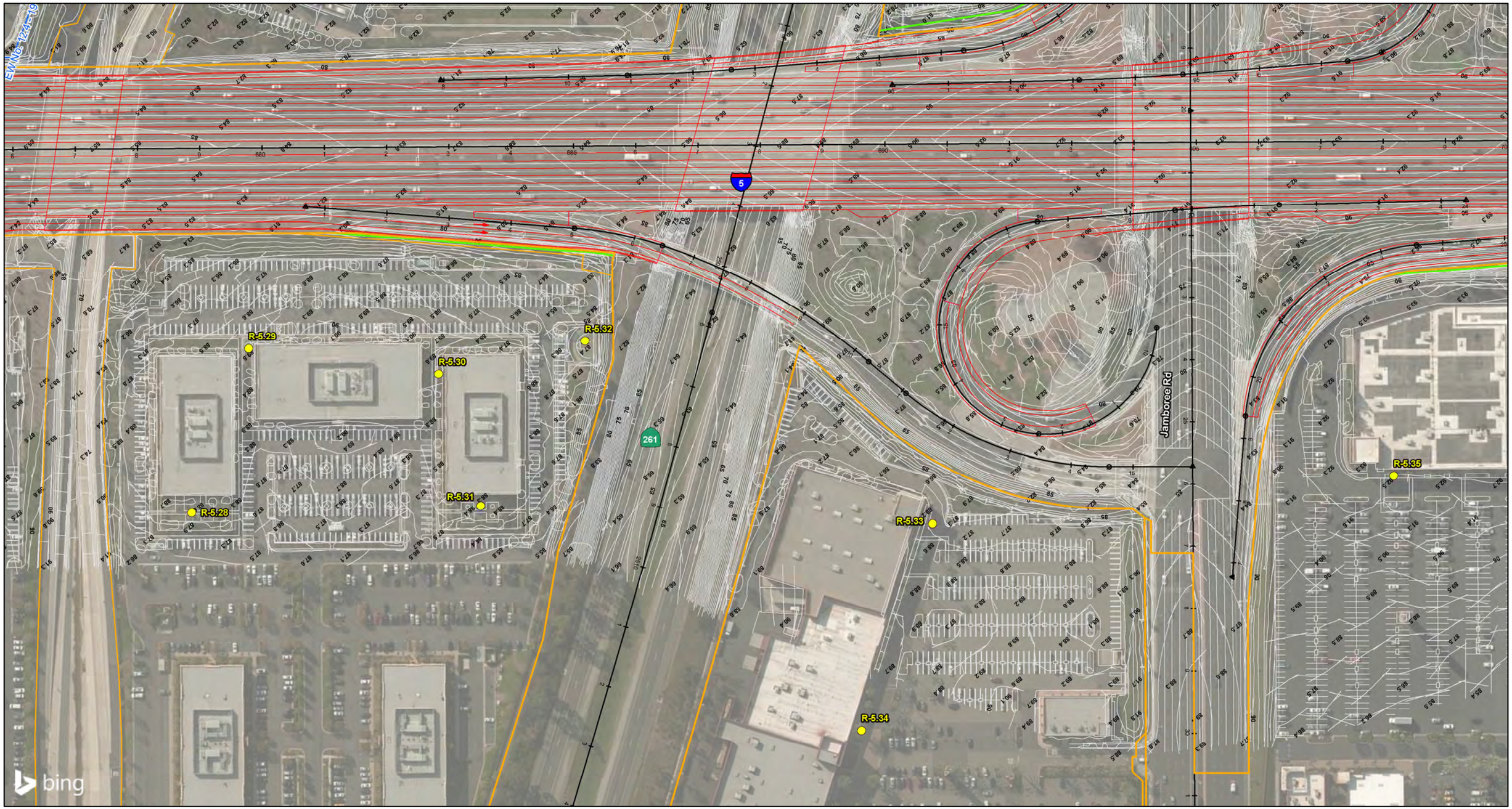


FIGURE J-4
Sheet 14 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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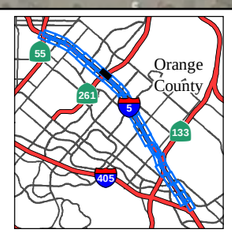
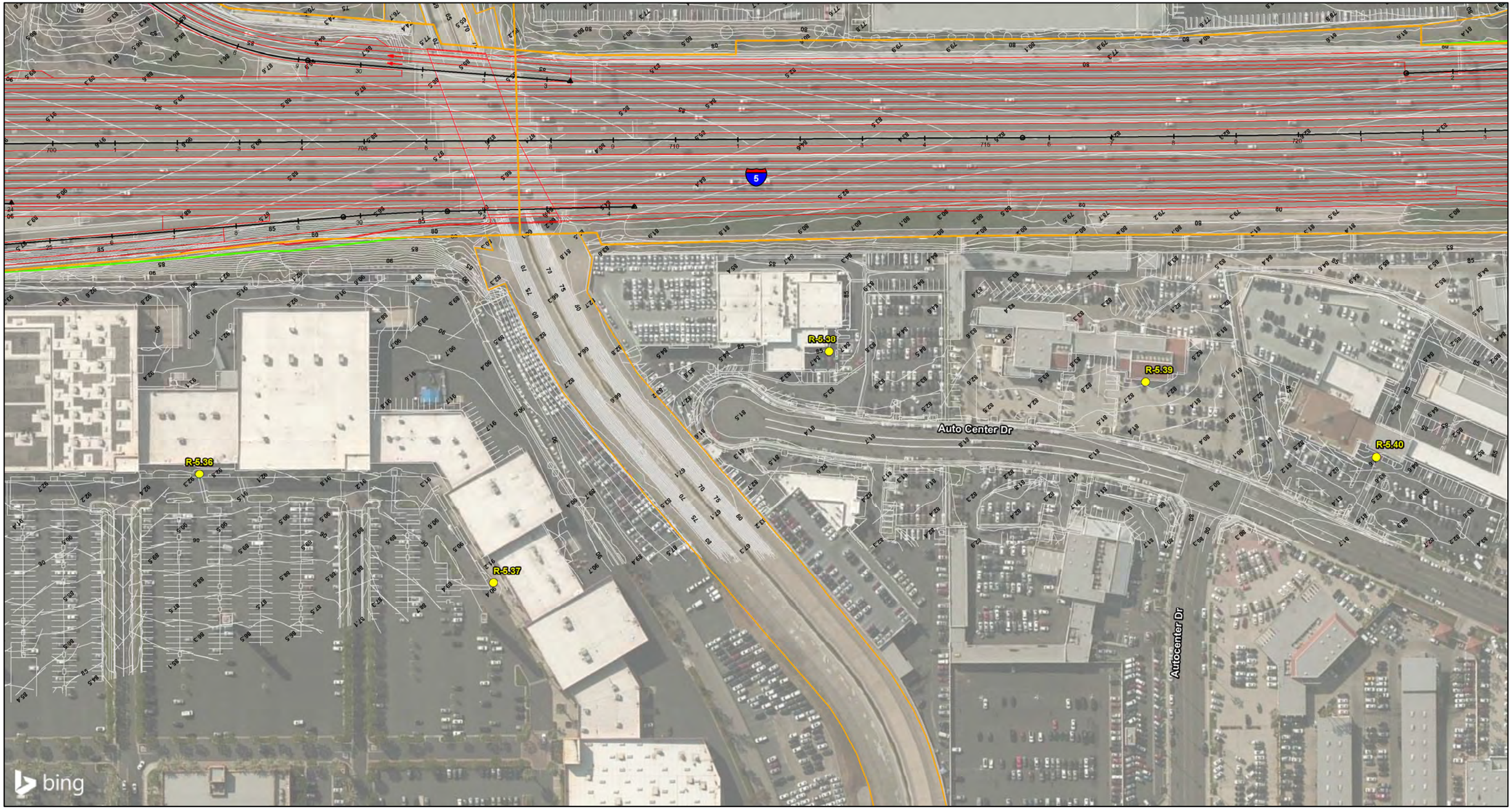


FIGURE J-4
Sheet 15 of 41

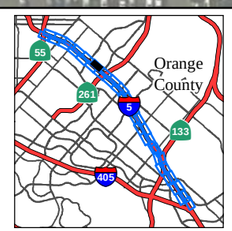
I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-4
Sheet 16 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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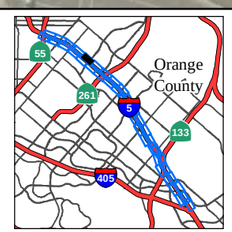
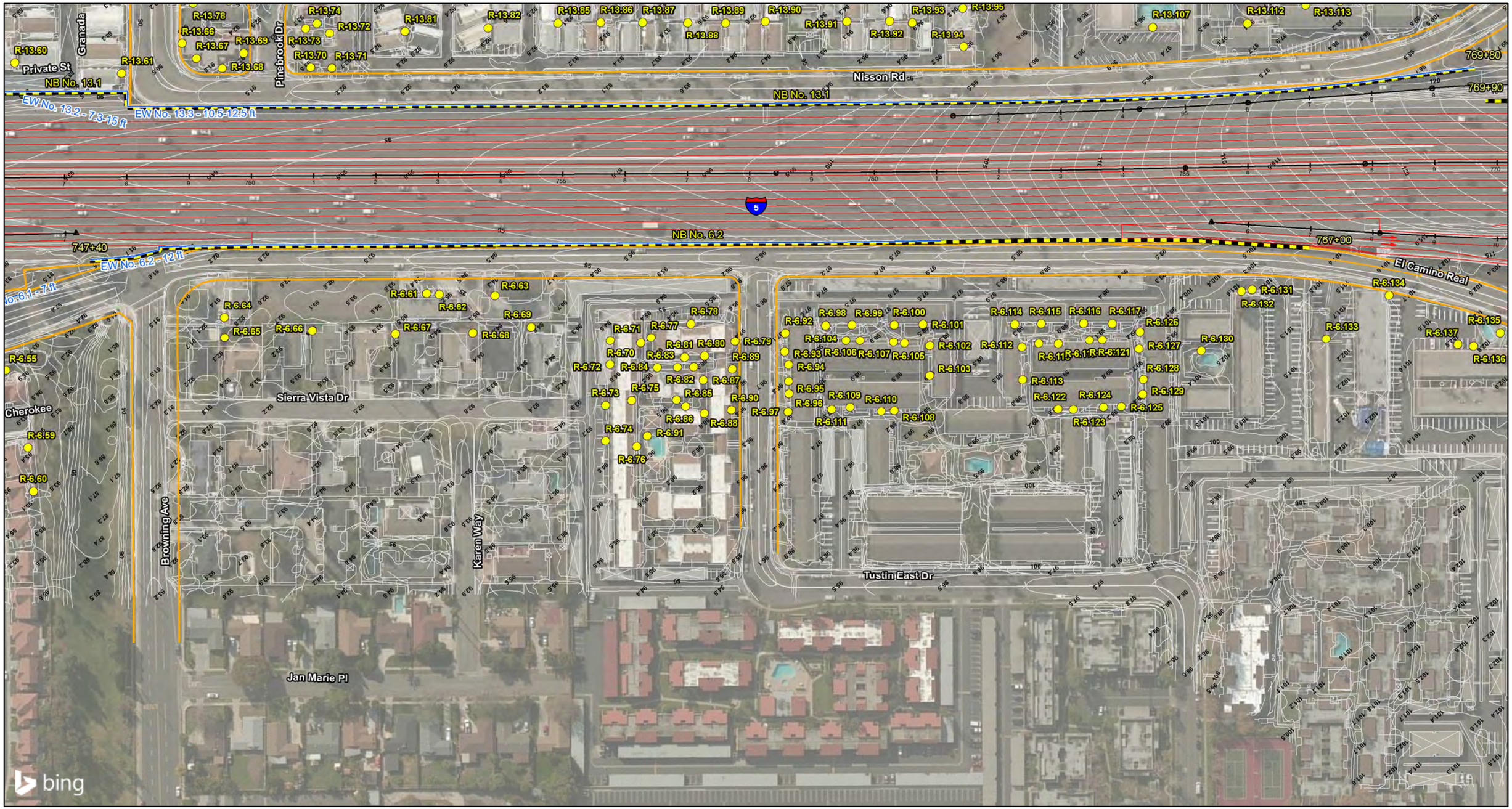


FIGURE J-4
Sheet 17 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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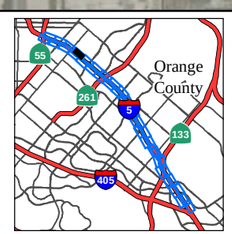


FIGURE J-4
Sheet 18 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

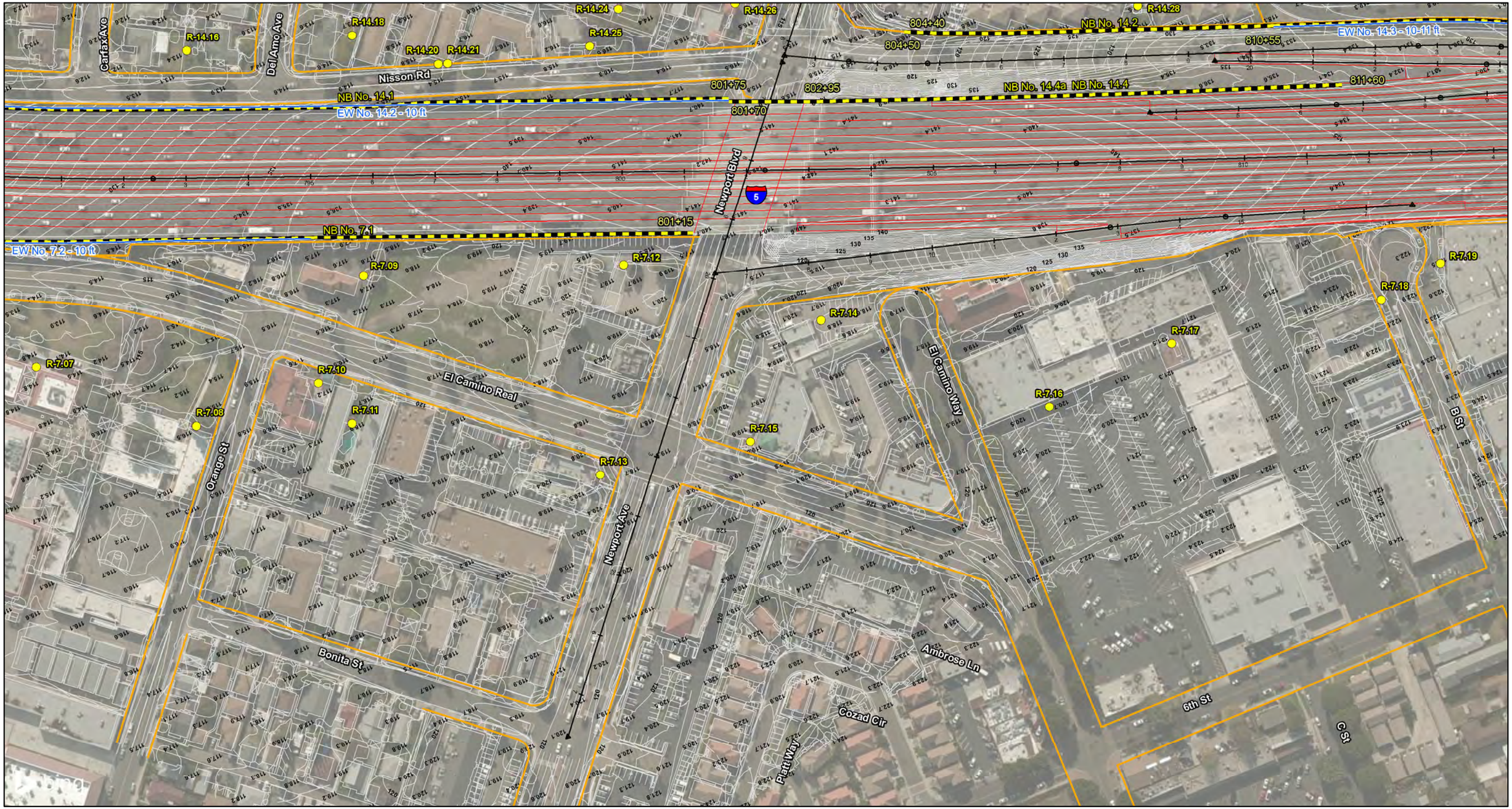


FIGURE J-4
Sheet 19 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

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LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

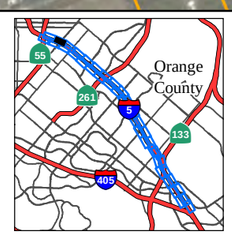


FIGURE J-4
Sheet 20 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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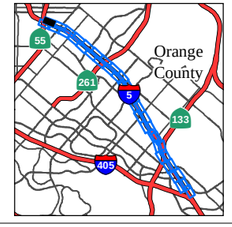


FIGURE J-4
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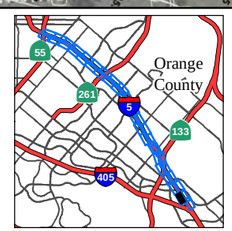
I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

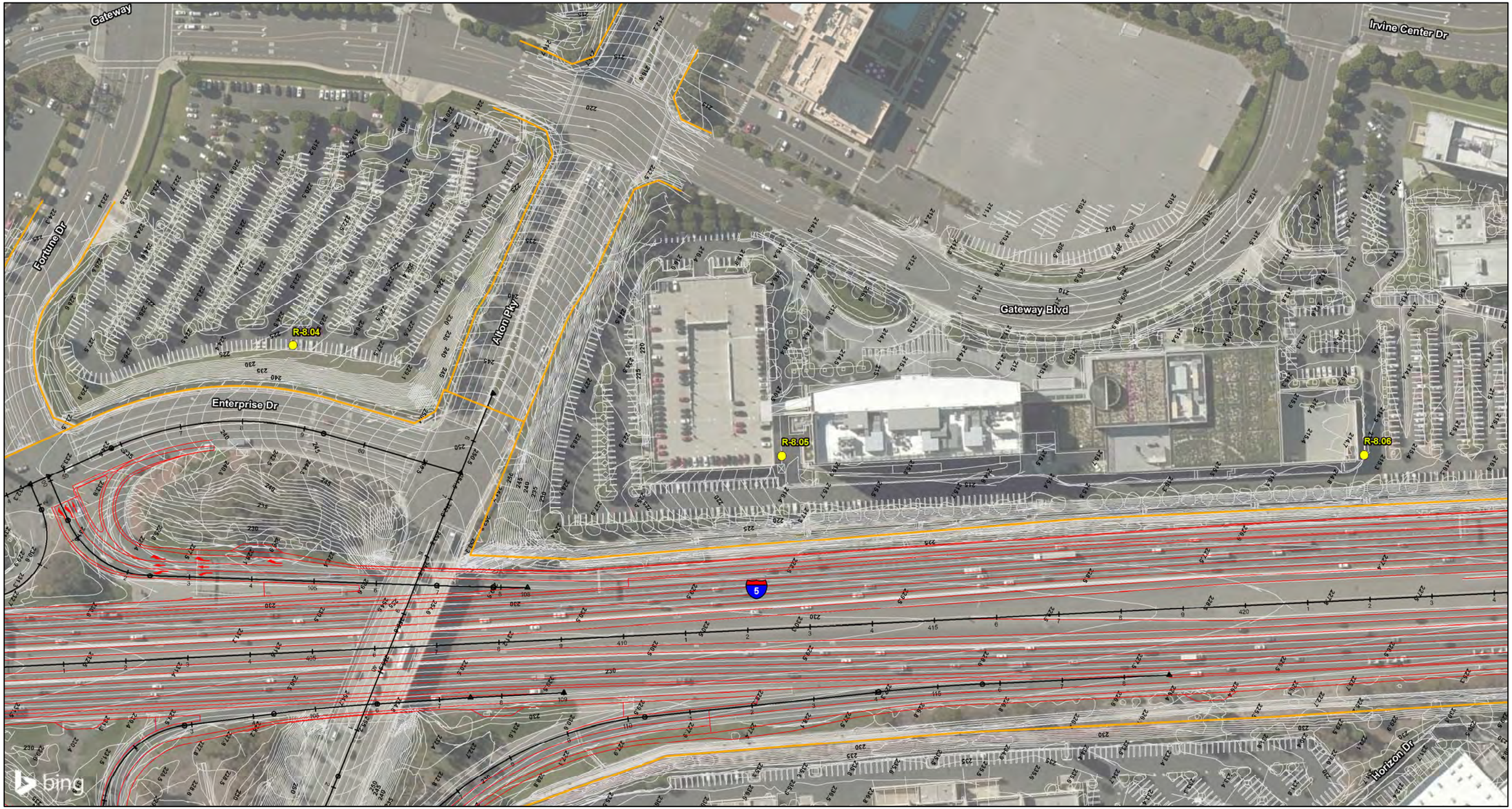


SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)

FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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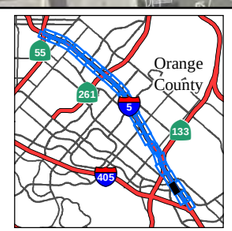
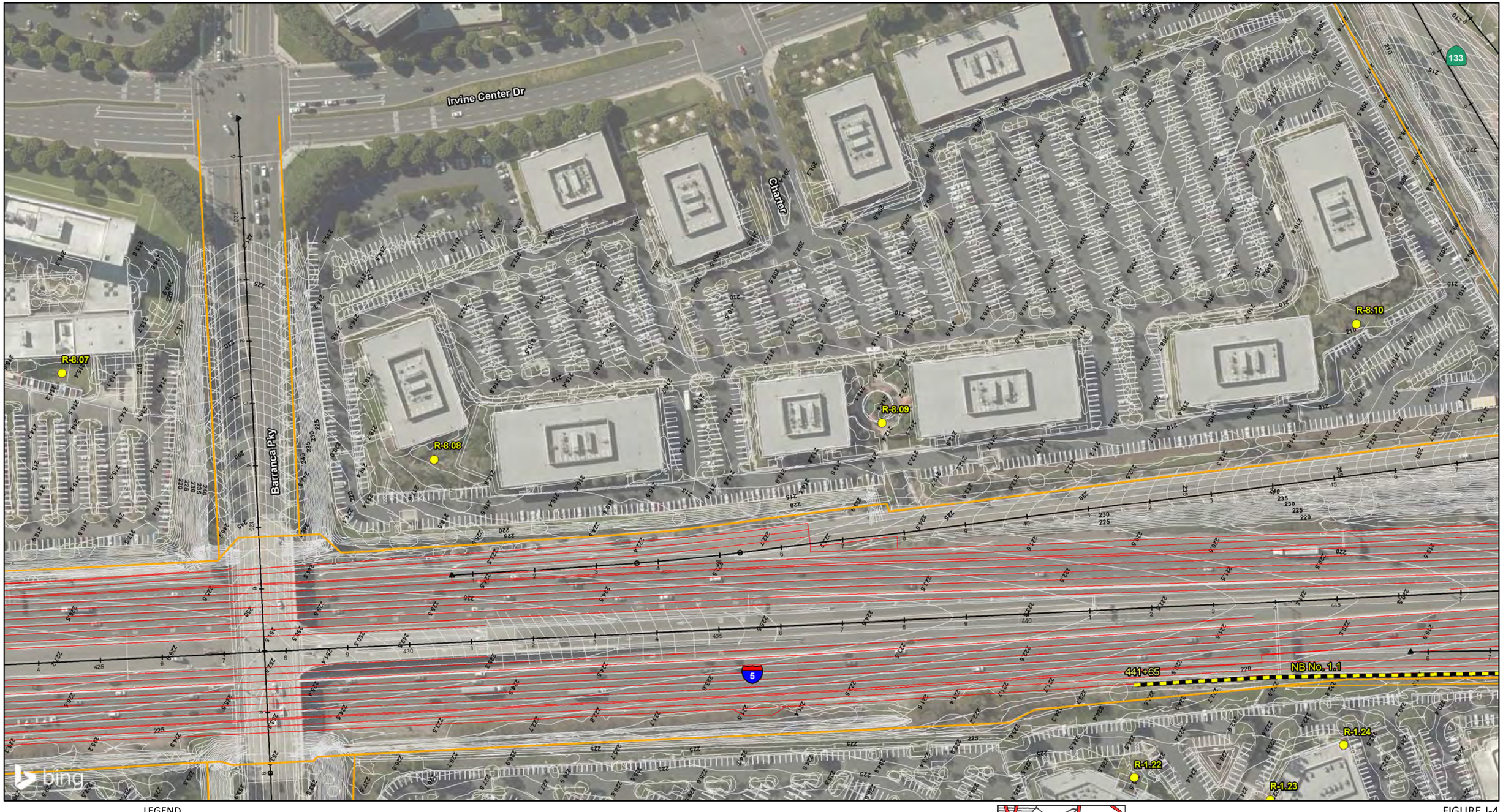


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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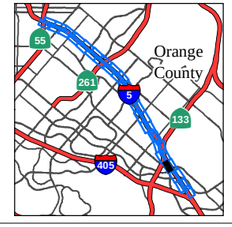
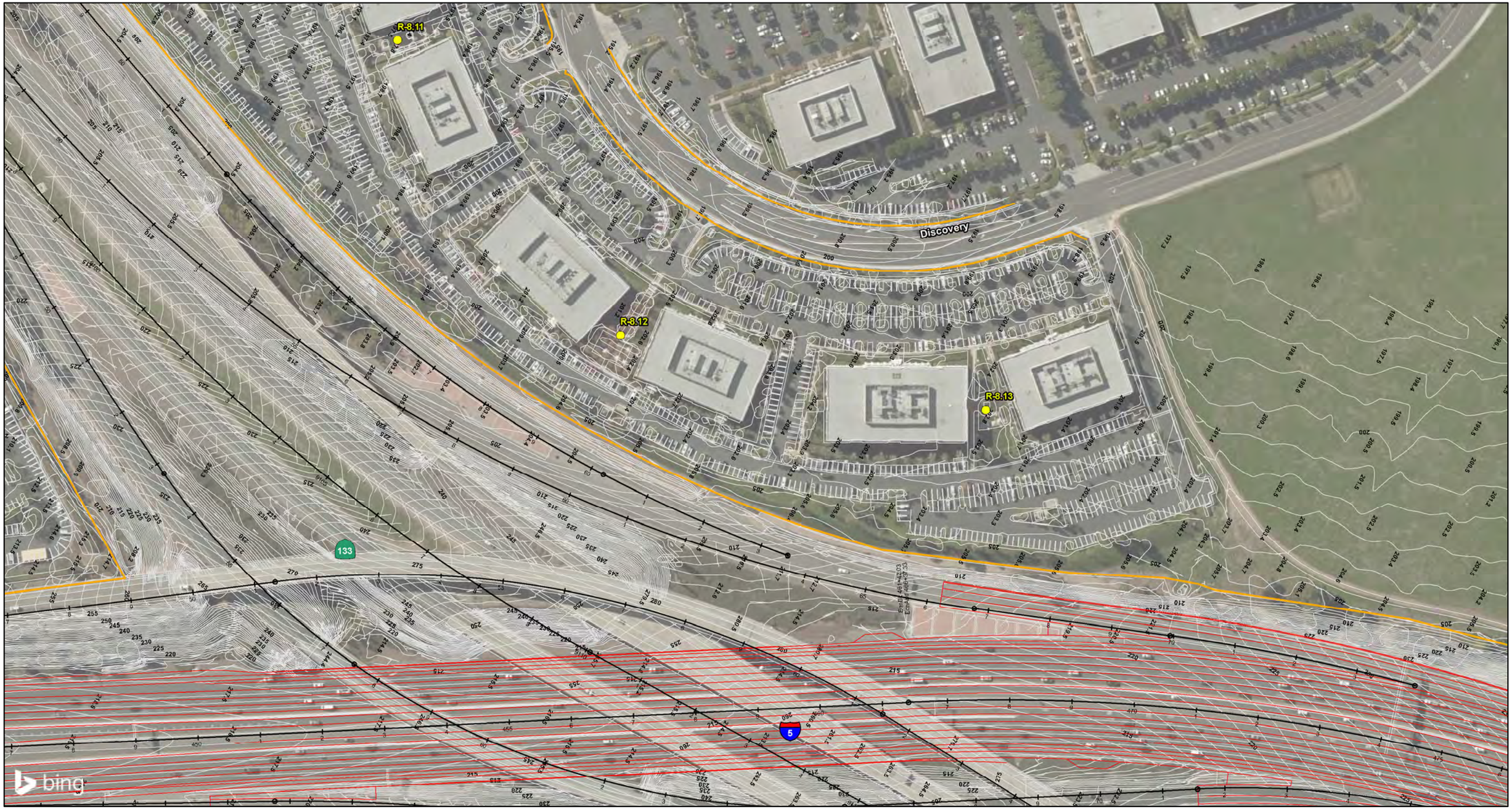


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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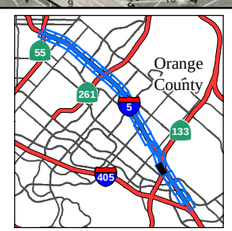


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

R-8.14

R-9.02

R-9.01

Burt Rd

5

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LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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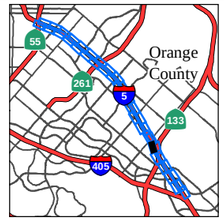
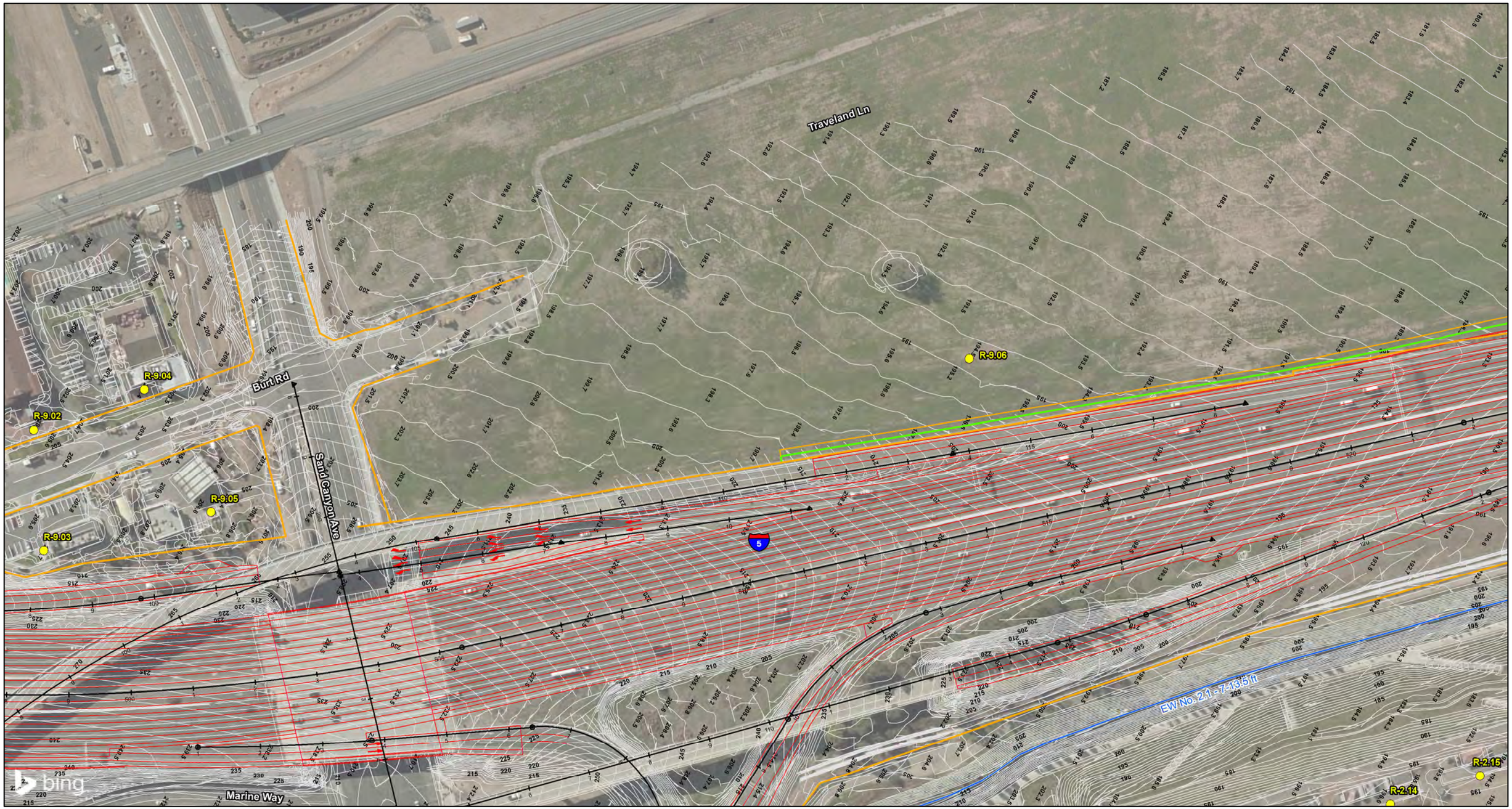


FIGURE J-4
Sheet 26 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

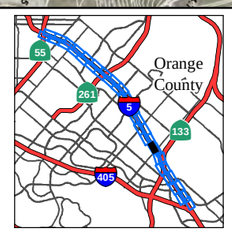


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

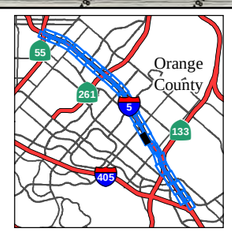
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LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

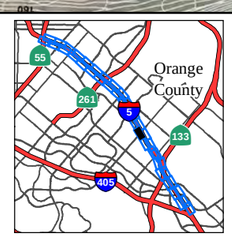


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

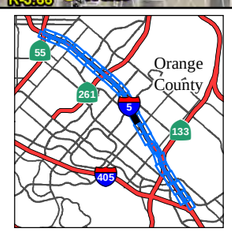
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LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

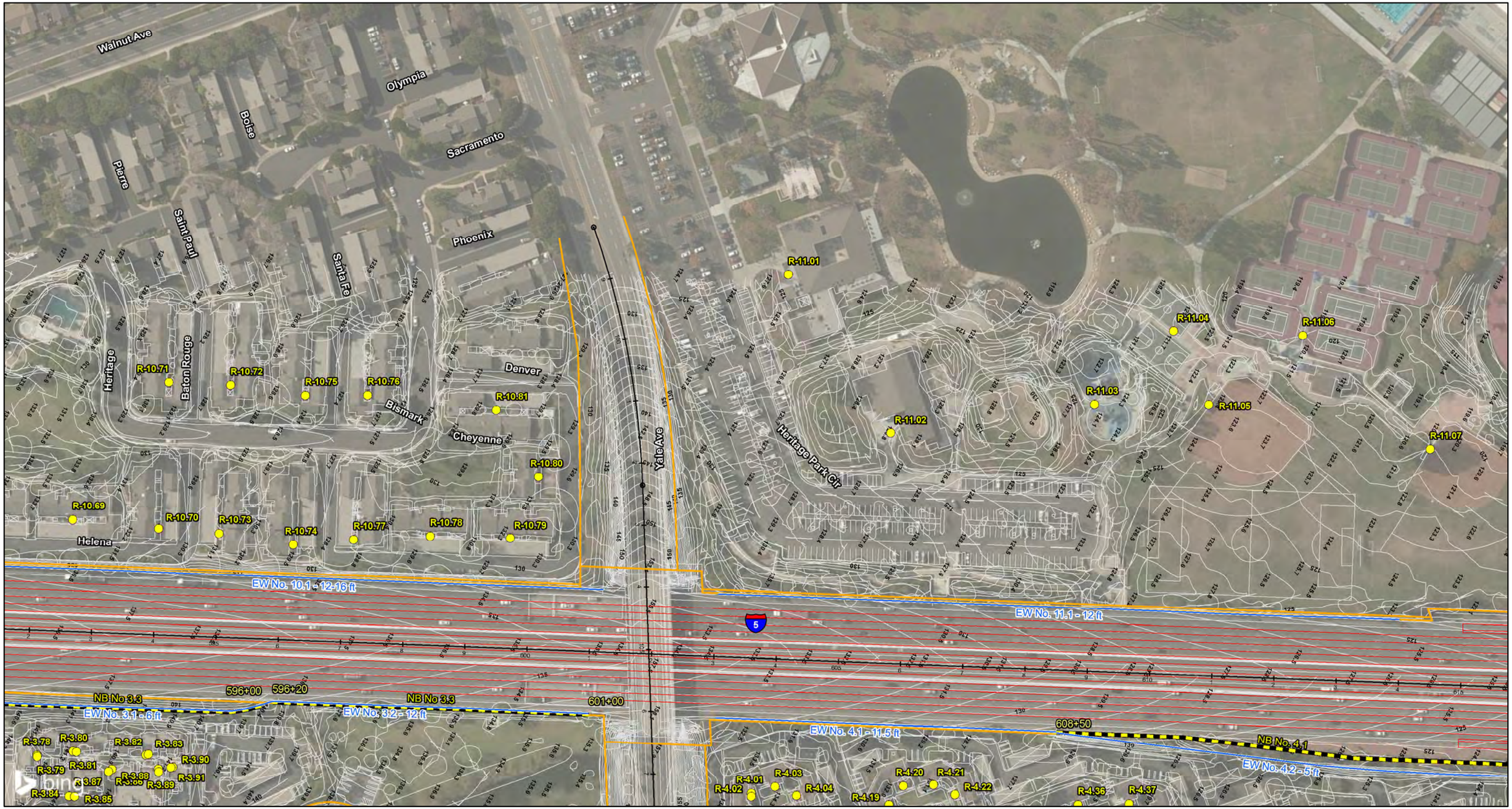


SOURCE: Bing Maps (2014); AECOM (2016)

I:\URS1402\GIS\MXD\ISEA\Noise\FigJ-4_ModeledNoiseBarrier_Receptor_Locations_Alt2B.mxd (5/3/2018)

FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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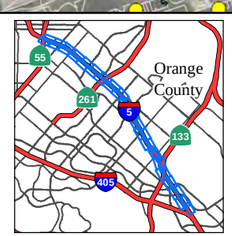


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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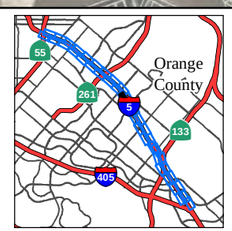


FIGURE J-4
Sheet 32 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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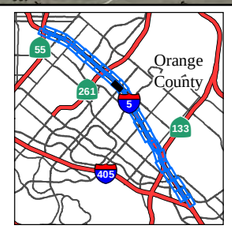


FIGURE J-4
Sheet 33 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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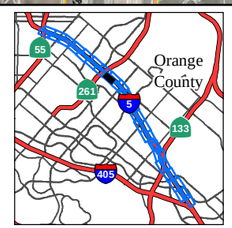
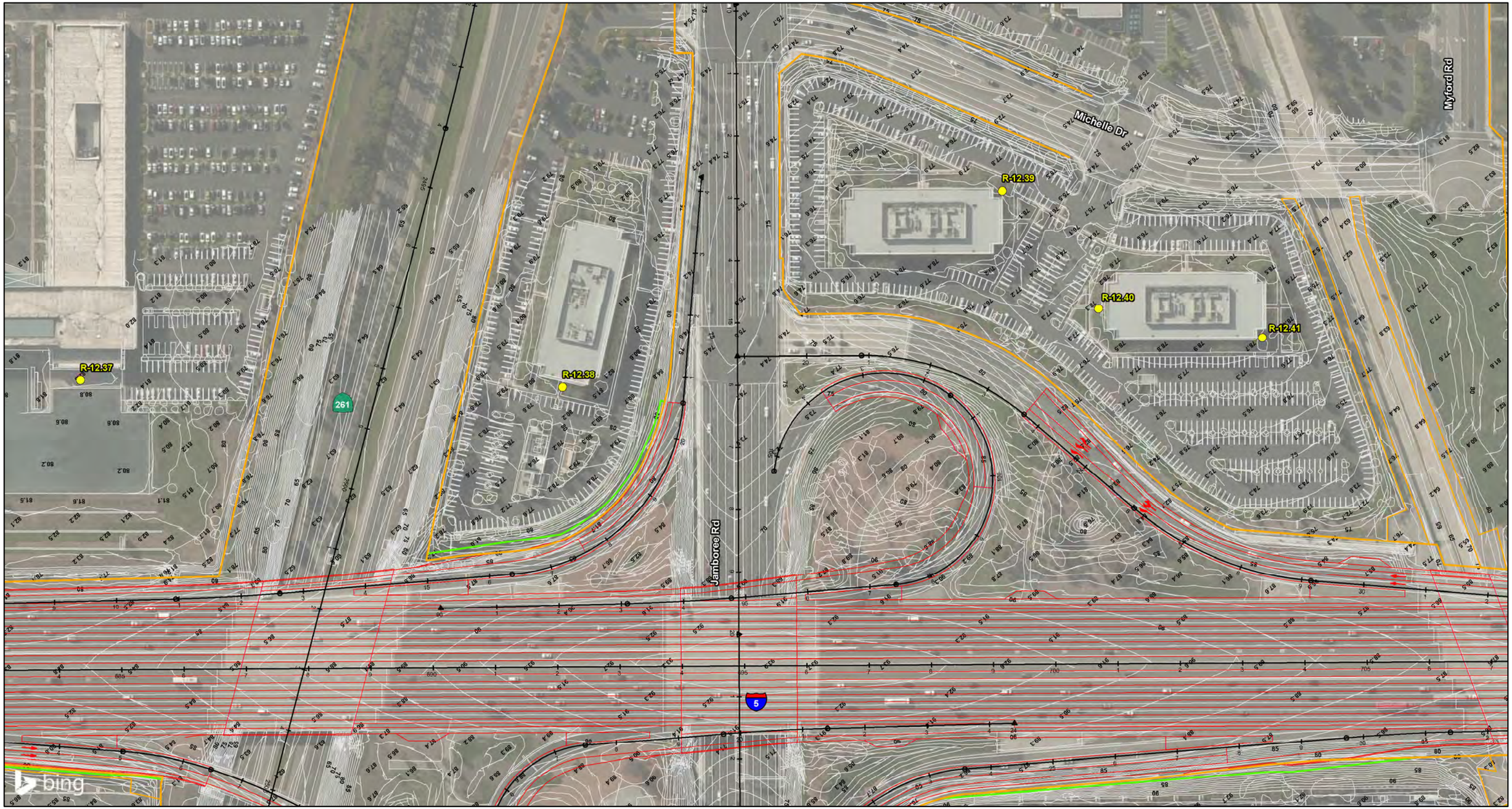


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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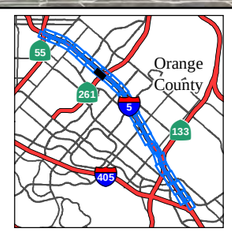
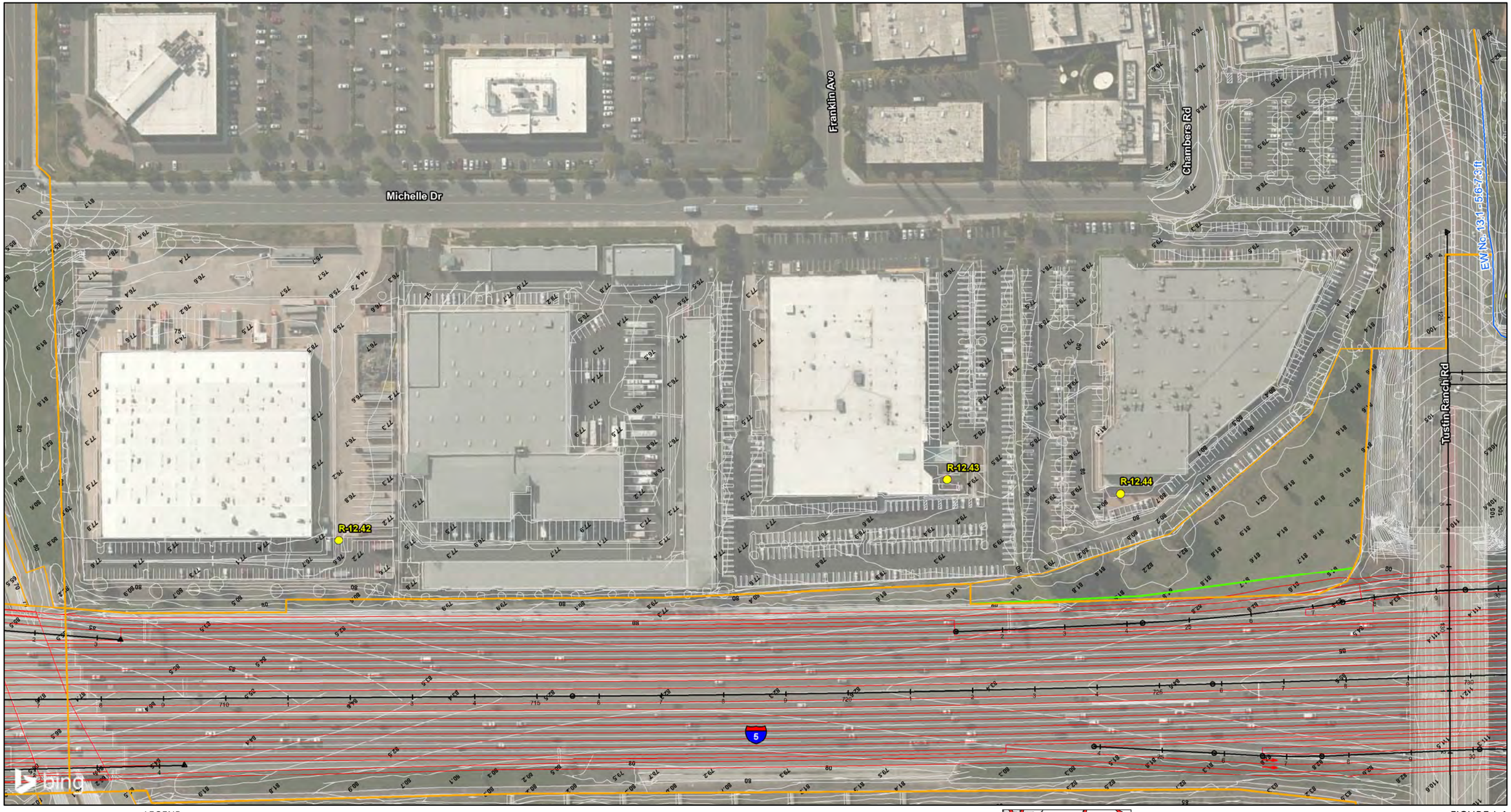


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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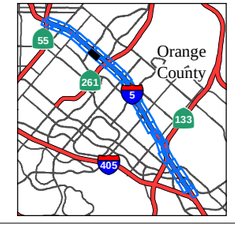


FIGURE J-4
Sheet 36 of 41

I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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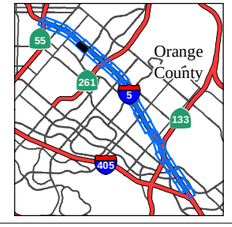
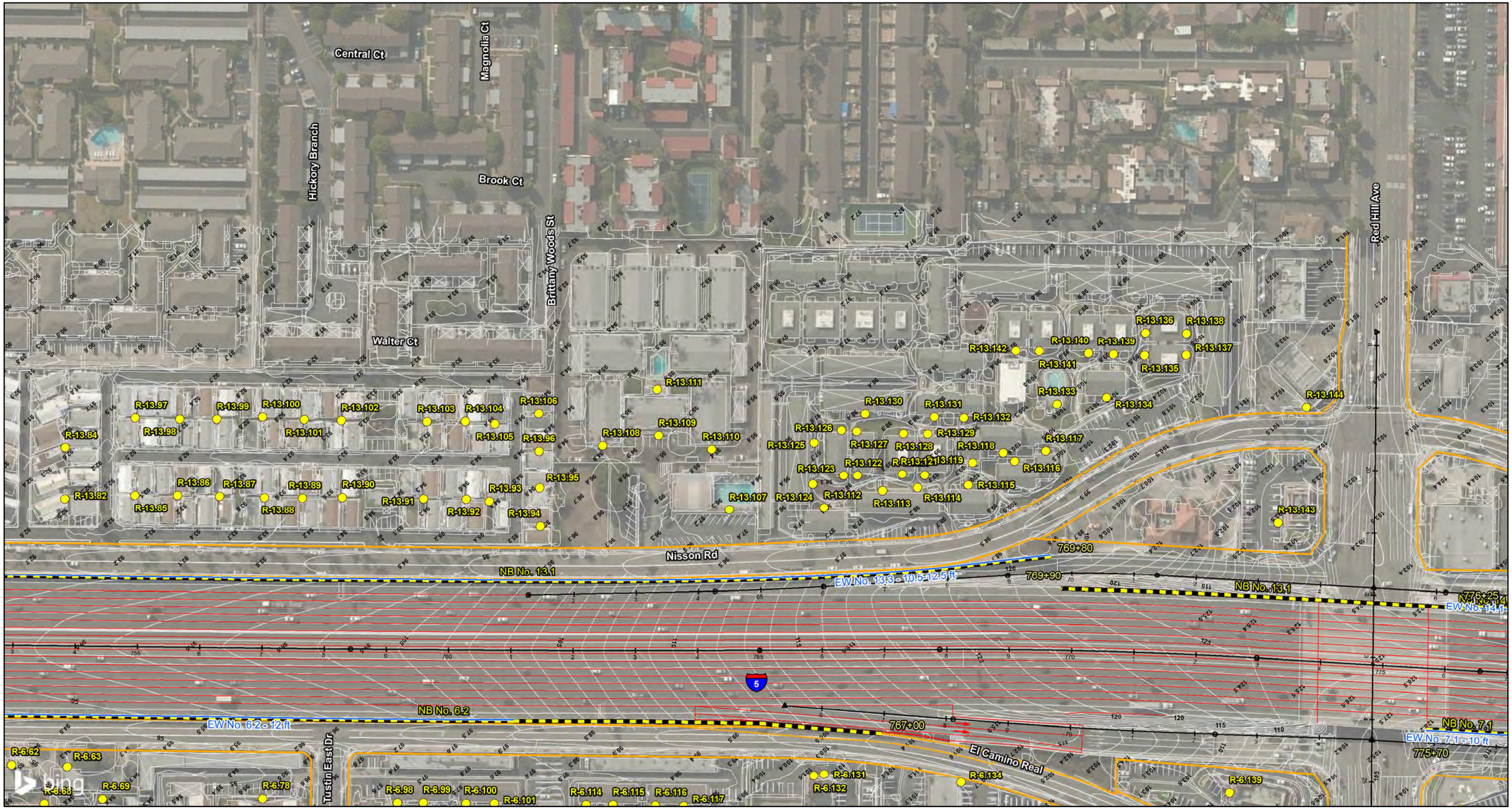


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



SOURCE: Bing Maps (2014); AECOM (2016)

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FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Existing Right-of-Way
- Proposed Right-of-Way
- Alternative 2B Improvements
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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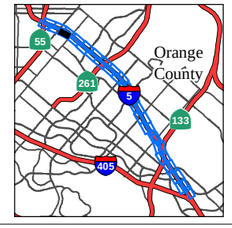


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maces (2014); AECOM (2016)

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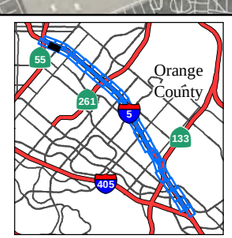
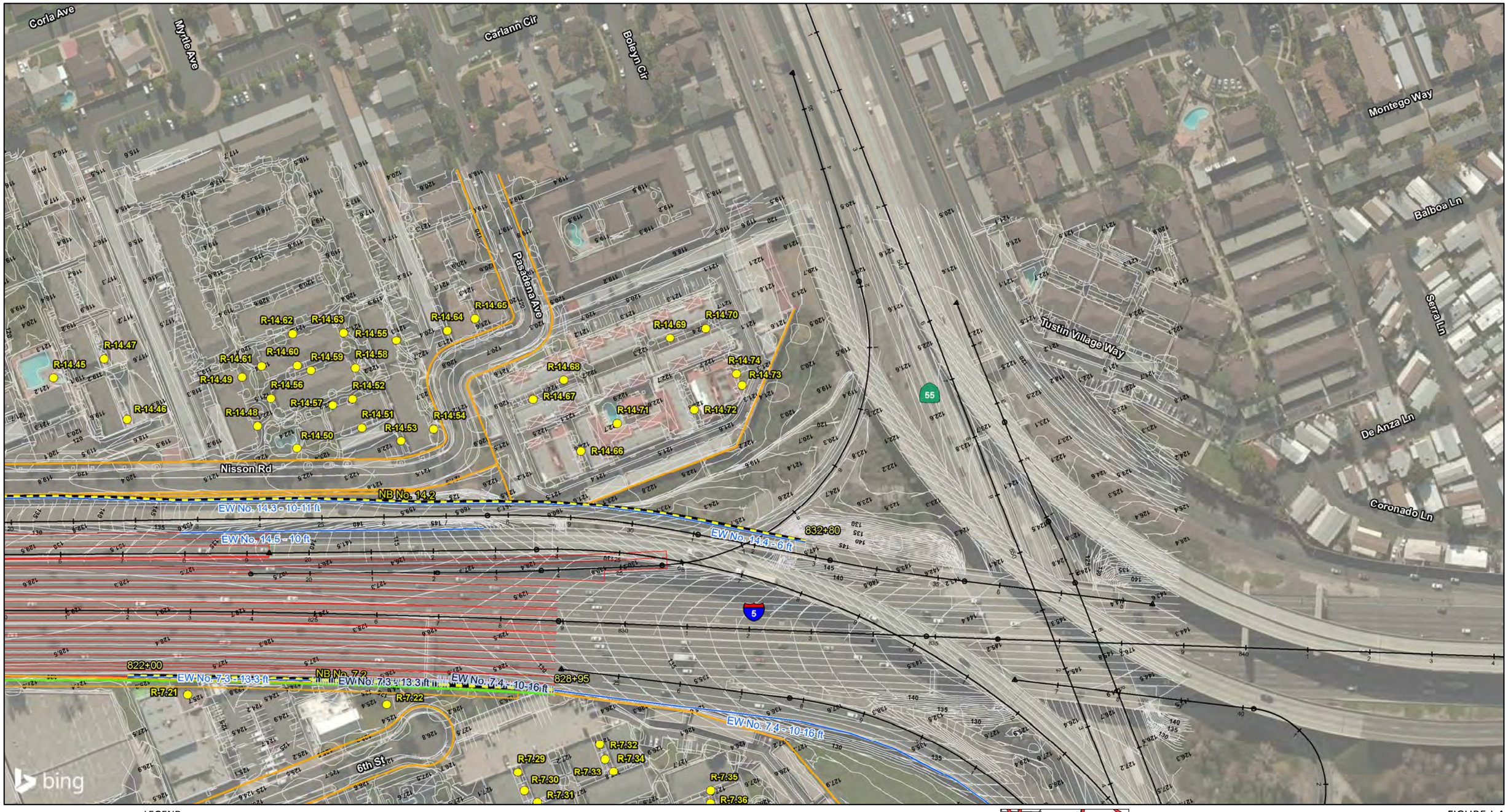


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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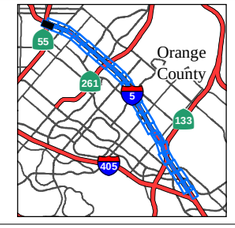
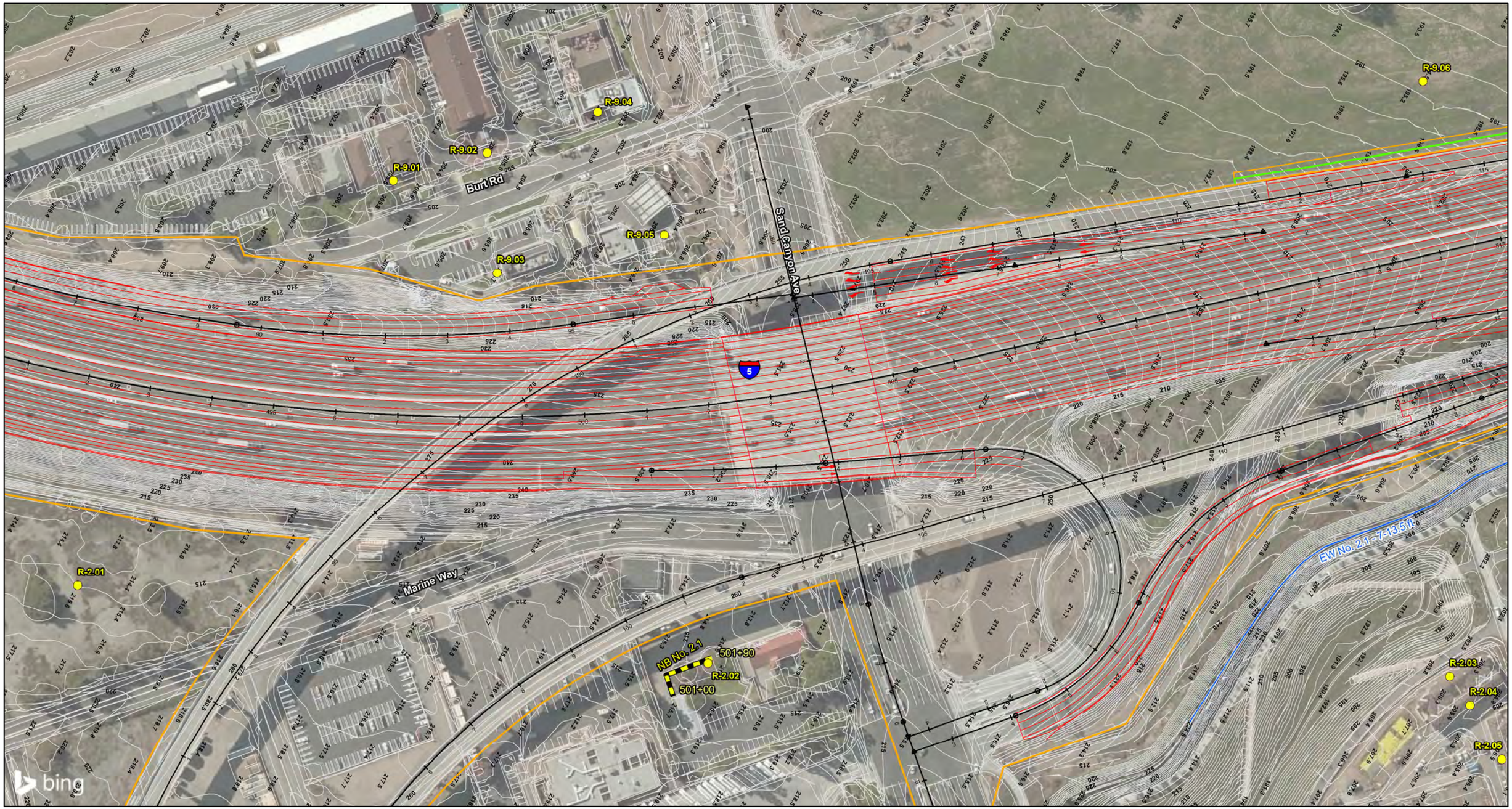


FIGURE J-4
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I-5 Improvement Project: I-405 to SR-55
Alternative 2B
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

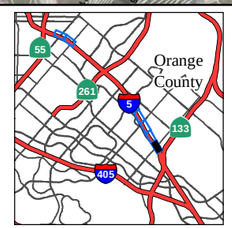
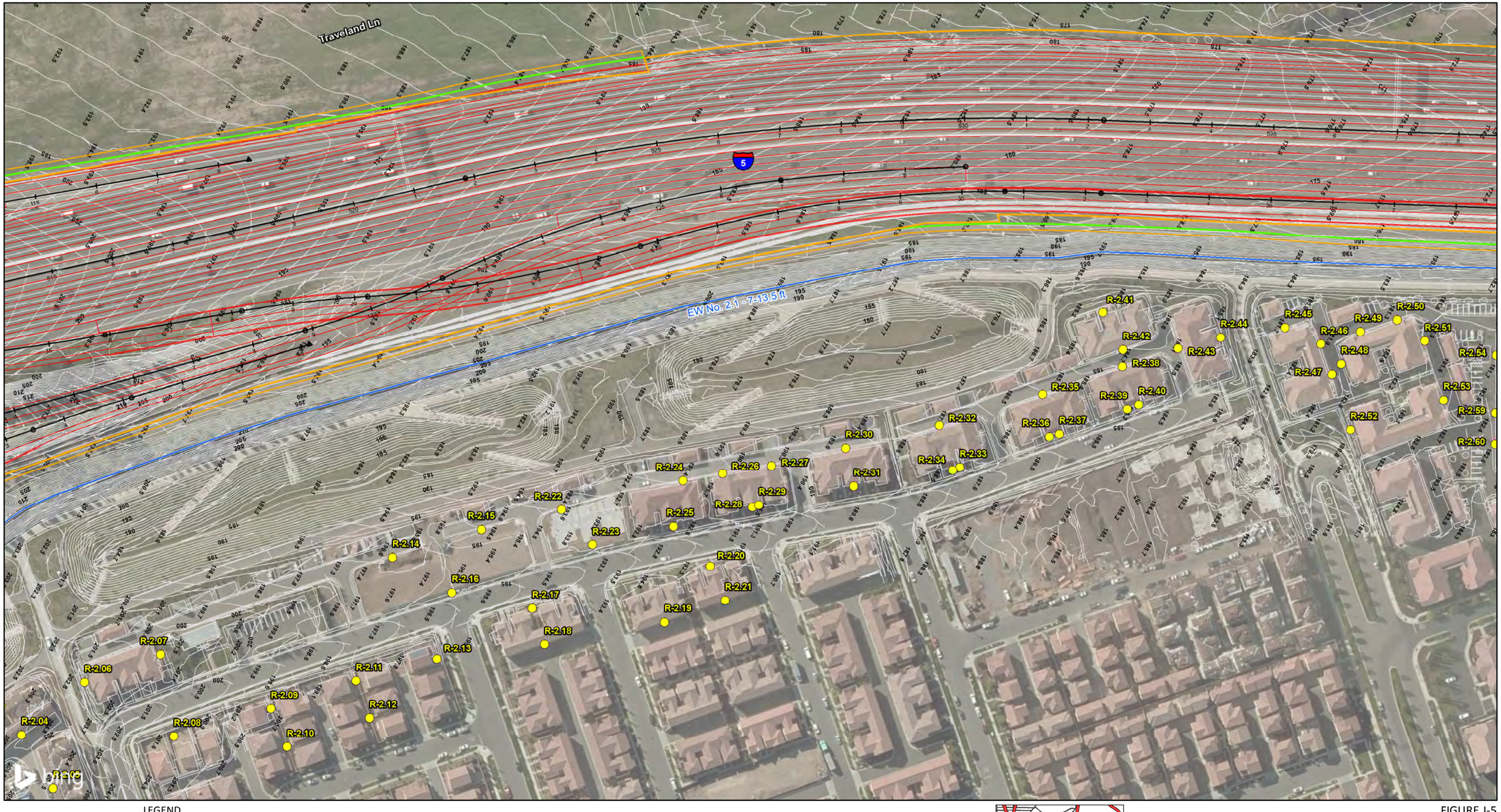


FIGURE J-5
Sheet 1 of 5

I-5 Improvement Project: I-405 to SR-55
Alternative 2B with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

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LEGEND

- Modeled Receptors
- Alternative 2B with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

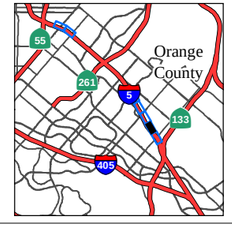
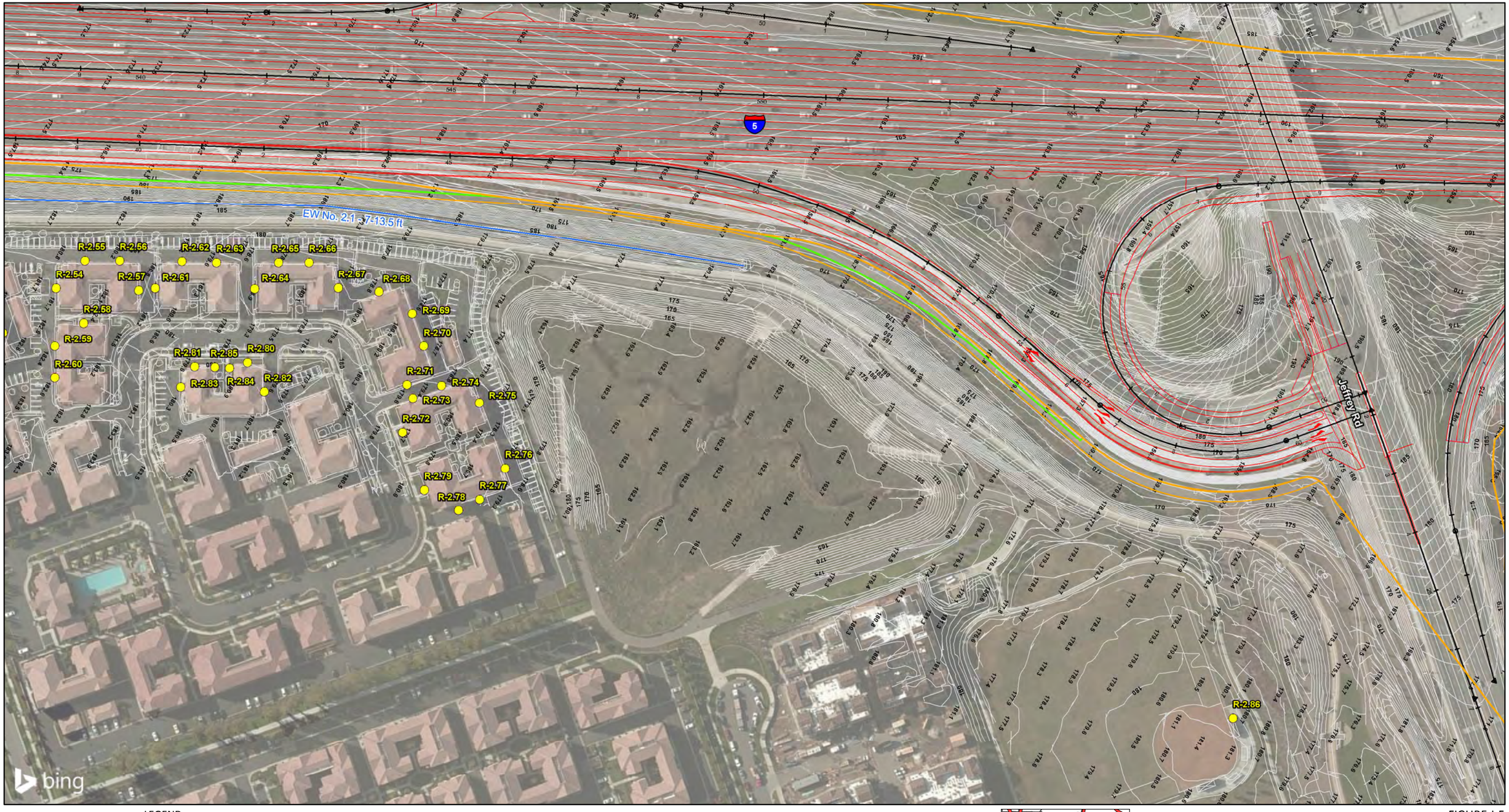


FIGURE J-5
Sheet 2 of 5

I-5 Improvement Project: I-405 to SR-55
Alternative 2B with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

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LEGEND

- Modeled Receptors
- Alternative 2B with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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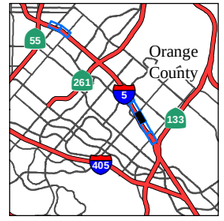
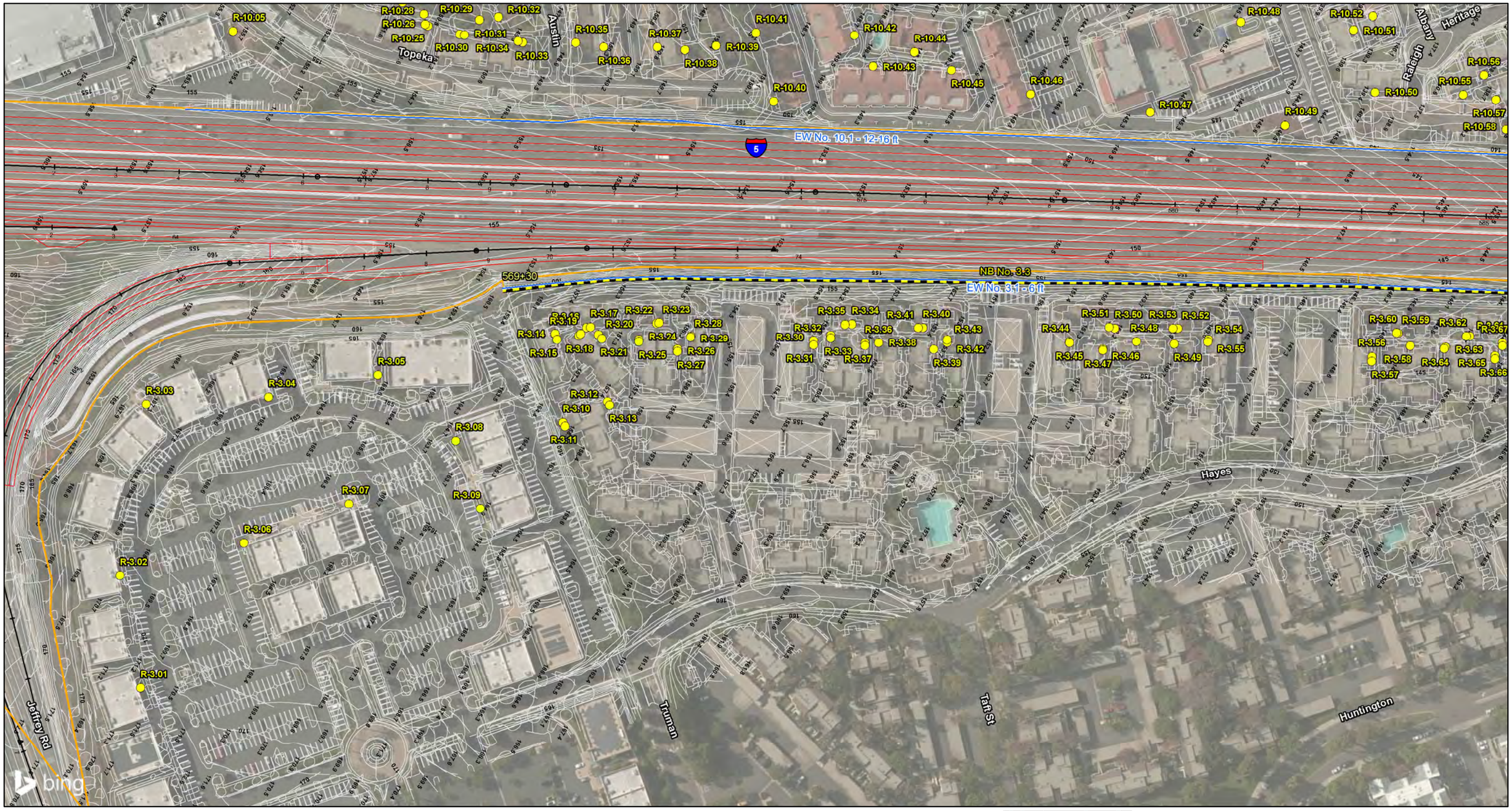


FIGURE J-5
Sheet 3 of 5

I-5 Improvement Project: I-405 to SR-55
Alternative 2B with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET

SOURCE: Bing Maps (2014); AECOM (2016)

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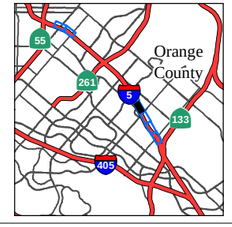
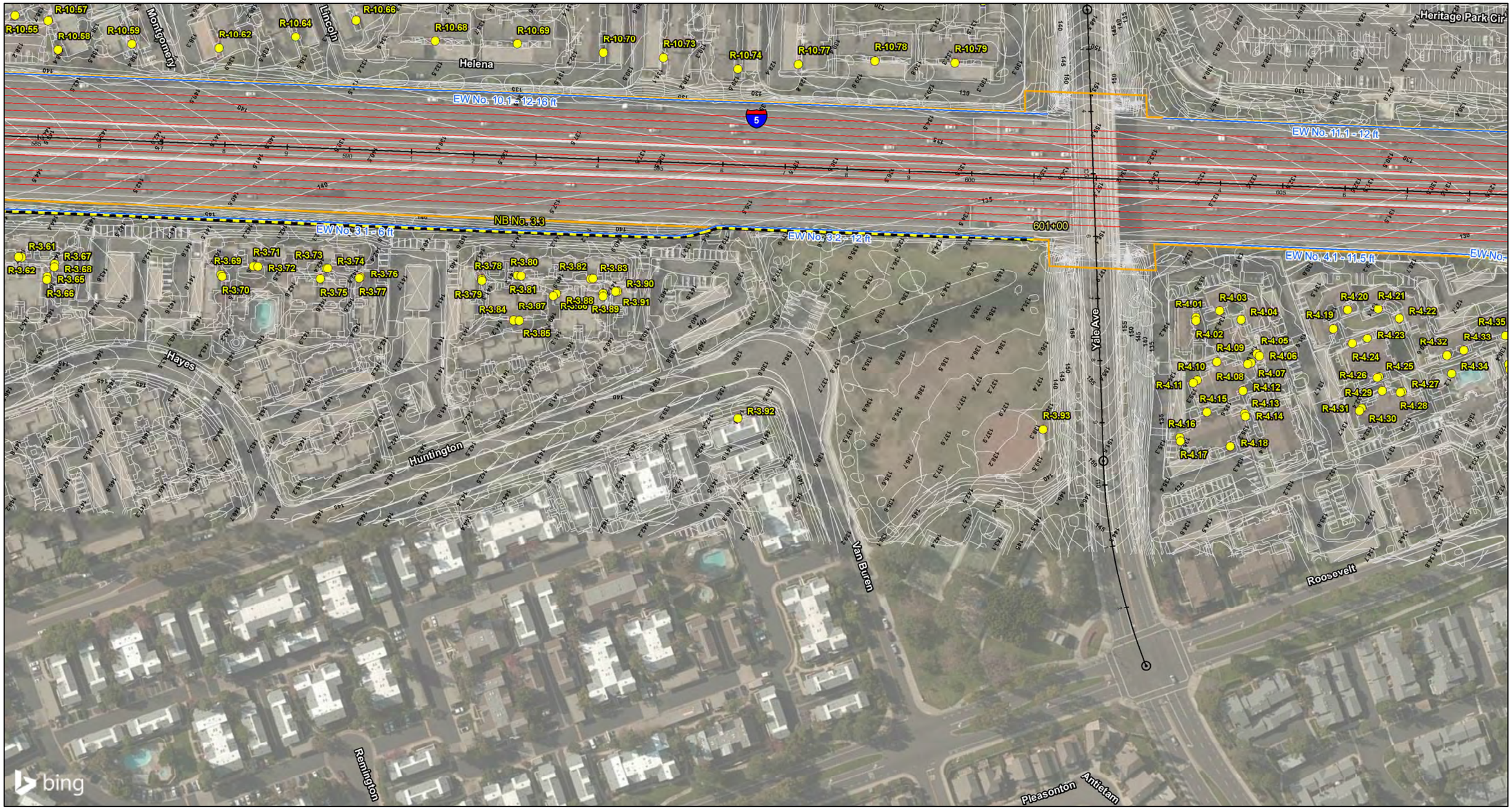


FIGURE J-5
Sheet 4 of 5

I-5 Improvement Project: I-405 to SR-55
Alternative 2B with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670



LEGEND

- Modeled Receptors
- Alternative 2B with Design Option Improvements
- Existing Right-of-Way
- Proposed Right-of-Way
- Existing Walls
- Existing Walls (Demolish)
- Modeled Noise Barriers

0 75 150
FEET



FIGURE J-5
Sheet 5 of 5

I-5 Improvement Project: I-405 to SR-55
Alternative 2B with Design Option 3
Modeled Noise Barriers and Receptor Locations
12-ORA-5 PM 21.3/30.3
EA No. 0K670

SOURCE: Bing Maps (2014); AECOM (2016)

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