Appendix 3.4

Predicted Traffic Noise Level (Mitigated)

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N1	1	12	70	68	54	68	15
N1	2	15	70	68	54	68	15
N1	3	18	70	68	53	68	15
N1	4	21	70	68	53	68	15
N1	5	25	70	68	53	68	15
N1	6	28	70	67	52	68	15
N1	7	31	70	67	52	67	16
N1	8	34	70	67	52	67	16
N1	9	37	70	67	51	67	16
N1	10	41	70	67	51	67	16
N1	11	44	70	67	51	67	16
N1	12	47	70	67	50	67	17
N1	13	50	70	67	50	67	17
N1	14	53	70	66	50	67	17
N1	15	57	70	66	49	66	17
N1	16	60	70	66	49	66	17
N1	17	63	70	66	49	66	17
N1	18	66	70	66	49	66	18
N1	19	69	70	66	49	66	18
N1	20	73	70	66	48	66	18
N1	21	76	70	66	48	66	18
N2	1	12	70	68	57	69	12
N2	2	15	70	68	57	69	12
N2	3	18	70	68	57	68	12
N2	4	21	70	68	57	68	12
N2	5	25	70	68	57	68	12
N2	6	28	70	68	57	68	12
N2	7	31	70	68	56	68	11
N2	8	34	70	67	56	68	11
N2	9	37	70	67	56	68	11
N2	10	41	70	67	56	67	12
N2	11	44	70	67	56	67	12
N2	12	47	70	67	56	67	12
N2	13	50	70	67	56	67	12
N2	14	53	70	67	55	67	12
N2	15	57	70	67	55	67	12
N2	16	60	70	67	55	67	13
N2	17	63	70	67	55	68	13
N2	18	66	70	67	55	68	13
N2	19	69	70	67	55	68	13
N2	20	73	70	67	54	68	13
N2	21	76	70	67	54	67	13

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N3	1	12	70	66	54	67	13
N3	2	15	70	66	53	67	13
N3	3	18	70	66	53	66	13
N3	4	21	70	66	53	66	13
N3	5	25	70	66	53	66	13
N3	6	28	70	66	53	66	13
N3	7	31	70	66	53	66	13
N3	8	34	70	65	53	66	13
N3	9	37	70	65	53	66	13
N3	10	41	70	65	53	65	13
N3	11	44	70	65	53	65	13
N3	12	47	70	65	52	65	13
N3	13	50	70	65	52	65	13
N3	14	53	70	66	52	66	14
N3	15	57	70	66	52	66	14
N3	16	60	70	66	52	66	15
N3	17	63	70	67	52	67	15
N3	18	66	70	67	52	67	15
N3	19	69	70	67	51	67	16
N3	20	73	70	67	51	67	16
N3	21	76	70	68	51	68	17
N4	1	12	70	61	22	61	39
N4	2	15	70	61	22	61	39
N4	3	18	70	61	22	61	40
N4	4	21	70	61	22	61	40
N4	5	25	70	61	21	61	40
N4	6	28	70	61	21	61	40
N4	7	31	70	61	21	61	41
N4	8	34	70	61	20	61	41
N4	9	37	70	61	20	61	41
N4	10	41	70	61	20	61	41
N4	11	44	70	61	19	61	41
N4	12	47	70	61	19	61	42
N4	13	50	70	61	19	61	42
N4	14	53	70	61	19	61	42
N4	15	57	70	61	18	61	42
N4	16	60	70	61	18	61	42
N4	17	63	70	60	18	60	43
N4	18	66	70	60	18	60	43
N4	19	69	70	60	17	60	43
N4	20	73	70	60	20	60	40
N4	21	76	70	60	25	60	36

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N5	1	11	70	63	67	69	1
N5	2	14	70	63	68	69	1
N5	3	18	70	63	68	69	1
N5	4	21	70	64	68	70	1
N5	5	24	70	64	68	70	1
N5	6	27	70	64	68	70	1
N5	7	30	70	64	68	70	1
N5	8	34	70	64	68	70	1
N5	9	37	70	64	68	69	1
N5	10	40	70	64	68	69	1
N5	11	43	70	64	68	69	1
N5	12	46	70	64	68	69	1
N5	13	50	70	64	68	69	2
N5	14	53	70	64	68	69	2
N5	15	56	70	64	67	69	2
N5	16	59	70	64	67	69	2
N5	17	62	70	64	67	69	2
N6	1	11	70	66	63	68	5
N6	2	14	70	66	66	69	3
N6	3	18	70	66	66	69	3
N6	4	21	70	66	67	69	3
N6	5	24	70	66	67	69	3
N6	6	27	70	66	67	69	3
N6	7	30	70	66	67	69	3
N6	8	34	70	66	67	69	3
N6	9	37	70	66	67	69	3
N6	10	40	70	66	67	69	3
N6	11	43	70	66	67	69	3
N6	12	46	70	66	66	69	3
N6	13	50	70	66	66	69	3
N6	14	53	70	66	66	69	3
N6	15	56	70	66	66	69	3
N6	16	59	70	66	66	69	3
N6	17	62	70	66	66	69	3
N7	1	11	70	69	59	69	10
N7	2	14	70	69	61	70	8
N7	3	18	70	69	64	70	7
N7	4	21	70	69	65	70	6
N7	5	24	70	69	65	70	6
N7	6	27	70	69	65	70	5
N7	7	30	70	69	65	70	5
N7	8	34	70	69	65	70	5
N7	9	37	70	68	65	70	5
N7	10	40	70	68	65	70	5
N7	11	43	70	68	65	70	5
N7	12	46	70	68	65	70	5
N7	13	50	70	68	64	70	5
N7	14	53	70	68	64	69	5
N7	15	56	70	68	64	69	5
N7	16	59	70	68	64	69	5
N7	17	62	70	67	64	69	5

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N8	1	11	70	69	25	69	44
N8	2	14	70	69	25	69	44
N8	3	18	70	69	25	69	44
N8	4	21	70	69	24	69	45
N8	5	24	70	69	24	69	44
N8	6	27	70	69	24	69	44
N8	7	30	70	69	24	69	45
N8	8	34	70	68	24	68	44
N8	9	37	70	68	24	68	44
N8	10	40	70	68	24	68	44
N8	11	43	70	68	24	68	44
N8	12	46	70	68	23	68	45
N8	13	50	70	68	23	68	45
N8	14	53	70	68	23	68	45
N8	15	56	70	68	23	68	45
N8	16	59	70	68	23	68	45
N8	17	62	70	68	23	68	45
N9	1	16	70	**76**	56	**76**	20
N9	2	19	70	**76**	56	**76**	20
N9	3	23	70	**75**	56	**75**	20
N9	4	26	70	**75**	56	**75**	20
N9	5	29	70	**75**	56	**75**	19
N9	6	32	70	**75**	56	**75**	19
N9	7	35	70	**75**	56	**75**	19
N9	8	39	70	**74**	58	**75**	16
N9	9	42	70	**74**	59	**74**	15
N10	1	16	70	**78**	58	**78**	20
N10	2	19	70	**77**	57	**77**	20
N10	3	23	70	**77**	57	**77**	20
N10	4	26	70	**77**	57	**77**	20
N10	5	29	70	**77**	57	**77**	20
N10	6	32	70	**76**	57	**76**	20
N10	7	35	70	**76**	57	**76**	20
N10	8	39	70	**76**	56	**76**	19
N10	9	42	70	**76**	56	**76**	19
N11	1	11	70	67	65	69	4
N11	2	14	70	67	67	70	3
N11	3	18	70	63	68	69	1
N11	4	21	70	63	68	69	1
N11	5	24	70	63	68	69	1
N11	6	27	70	63	68	69	1
N11	7	30	70	63	68	69	1
N11	8	34	70	63	68	69	1
N11	9	37	70	63	68	69	1
N11	10	40	70	63	68	69	1
N11	11	43	70	62	68	69	1
N11	12	46	70	62	67	69	1
N11	13	50	70	62	67	68	1
N11	14	53	70	63	67	68	1

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N12	1	11	70	68	62	69	7
N12	2	14	70	69	65	70	5
N12	3	18	70	64	66	68	2
N12	4	21	70	64	67	69	2
N12	5	24	70	64	67	69	2
N12	6	27	70	64	67	69	2
N12	7	30	70	64	67	69	2
N12	8	34	70	64	67	69	2
N12	9	37	70	64	67	69	2
N12	10	40	70	64	67	69	2
N12	11	43	70	64	67	68	2
N12	12	46	70	64	66	68	2
N12	13	50	70	64	66	68	2
N12	14	53	70	64	66	68	2
N13	1	11	70	68	51	68	17
N13	2	14	70	68	51	68	17
N13	3	18	70	68	54	68	15
N13	4	21	70	68	55	69	14
N13	5	24	70	68	55	69	13
N13	6	27	70	68	56	69	13
N13	7	30	70	68	56	69	12
N13	8	34	70	68	57	68	12
N13	9	37	70	68	57	68	11
N13	10	40	70	68	57	68	11
N13	11	43	70	68	57	68	11
N13	12	46	70	68	57	68	11
N13	13	50	70	68	57	68	11
N13	14	53	70	68	57	68	11
N14	1	11	70	64	22	64	42
N14	2	14	70	64	22	64	42
N14	3	18	70	64	22	64	42
N14	4	21	70	64	22	64	42
N14	5	24	70	64	22	64	42
N14	6	27	70	64	22	64	42
N14	7	30	70	64	22	64	42
N14	8	34	70	64	22	64	42
N14	9	37	70	64	22	64	42
N14	10	40	70	64	22	64	42
N14	11	43	70	64	22	64	43
N14	12	46	70	64	22	64	43
N14	13	50	70	64	22	64	43
N14	14	53	70	65	21	65	43

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N15	1	11	70	44	0	44	44
N15	2	14	70	44	0	44	44
N15	3	18	70	44	0	44	44
N15	4	21	70	44	0	44	44
N15	5	24	70	44	0	44	44
N15	6	27	70	45	0	45	45
N15	7	30	70	45	0	45	45
N15	8	34	70	45	0	45	45
N15	9	37	70	45	0	45	45
N15	10	40	70	45	0	45	45
N15	11	43	70	46	0	46	46
N15	12	46	70	47	0	47	47
N15	13	50	70	47	0	47	47
N15	14	53	70	48	0	48	48
N16	1	11	70	58	21	58	37
N16	2	14	70	58	21	58	37
N16	3	18	70	58	21	58	37
N16	4	21	70	58	21	58	37
N16	5	24	70	58	21	58	37
N16	6	27	70	58	21	58	37
N16	7	30	70	58	21	58	37
N16	8	34	70	58	21	58	37
N16	9	37	70	58	21	58	37
N16	10	40	70	58	20	58	38
N16	11	43	70	59	20	59	38
N16	12	46	70	59	20	59	39
N16	13	50	70	60	20	60	39
N16	14	53	70	60	20	60	40
N17	1	11	70	59	21	59	39
N17	2	14	70	59	21	59	39
N17	3	18	70	59	20	59	39
N17	4	21	70	59	20	59	39
N17	5	24	70	59	20	59	38
N17	6	27	70	59	20	59	39
N17	7	30	70	59	20	59	39
N17	8	34	70	59	20	59	39
N17	9	37	70	59	20	59	39
N17	10	40	70	59	20	59	39
N17	11	43	70	59	20	59	40
N17	12	46	70	59	20	59	40
N17	13	50	70	60	20	60	40
N17	14	53	70	61	20	61	41

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N18	1	11	70	44	0	44	44
N18	2	14	70	44	0	44	44
N18	3	18	70	44	0	44	44
N18	4	21	70	44	0	44	44
N18	5	24	70	44	0	44	44
N18	6	27	70	44	0	44	44
N18	7	30	70	44	0	44	44
N18	8	34	70	45	0	45	45
N18	9	37	70	45	0	45	45
N18	10	40	70	45	0	45	45
N18	11	43	70	46	0	46	46
N18	12	46	70	46	0	46	46
N18	13	50	70	47	0	47	47
N18	14	53	70	48	0	48	48
N19	1	11	70	69	20	69	49
N19	2	14	70	68	20	68	49
N19	3	18	70	68	20	68	49
N19	4	21	70	68	19	68	49
N19	5	24	70	68	19	68	49
N19	6	27	70	68	19	68	49
N19	7	30	70	68	19	68	49
N19	8	34	70	67	19	67	48
N19	9	37	70	67	19	67	48
N19	10	40	70	67	19	67	48
N19	11	43	70	67	19	67	48
N19	12	46	70	67	19	67	48
N19	13	50	70	67	19	67	48
N19	14	53	70	67	19	67	48
N20	1	11	70	68	16	68	52
N20	2	14	70	68	15	68	53
N20	3	18	70	68	15	68	53
N20	4	21	70	68	15	68	53
N20	5	24	70	68	15	68	53
N20	6	27	70	68	15	68	52
N20	7	30	70	67	15	67	52
N20	8	34	70	67	15	67	52
N20	9	37	70	67	15	67	52
N20	10	40	70	67	15	67	52
N20	11	43	70	67	15	67	52
N20	12	46	70	67	15	67	52
N20	13	50	70	67	15	67	51
N20	14	53	70	66	15	66	51
N20	15	56	70	67	15	67	52
N20	16	59	70	67	15	67	52
N20	17	62	70	67	15	67	52

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N21	1	11	70	52	0	52	52
N21	2	14	70	52	0	52	52
N21	3	18	70	52	0	52	52
N21	4	21	70	52	0	52	52
N21	5	24	70	52	0	52	52
N21	6	27	70	52	0	52	52
N21	7	30	70	52	0	52	52
N21	8	34	70	52	0	52	52
N21	9	37	70	52	0	52	52
N21	10	40	70	52	0	52	52
N21	11	43	70	52	0	52	52
N21	12	46	70	52	0	52	52
N21	13	50	70	52	0	52	52
N21	14	53	70	52	0	52	52
N21	15	56	70	52	0	52	52
N21	16	59	70	53	0	53	53
N21	17	62	70	53	0	53	53
N22	1	11	70	59	0	59	59
N22	2	14	70	58	0	58	58
N22	3	18	70	58	0	58	58
N22	4	21	70	58	0	58	58
N22	5	24	70	58	0	58	58
N22	6	27	70	58	0	58	58
N22	7	30	70	58	0	58	58
N22	8	34	70	58	0	58	58
N22	9	37	70	58	0	58	58
N22	10	40	70	58	0	58	58
N22	11	43	70	59	0	59	59
N22	12	46	70	59	0	59	59
N22	13	50	70	59	0	59	59
N22	14	53	70	60	0	60	60
N22	15	56	70	61	0	61	61
N22	16	59	70	62	0	62	62
N22	17	62	70	62	0	62	62
N23	1	11	70	57	0	57	57
N23	2	14	70	57	0	57	57
N23	3	18	70	57	0	57	57
N23	4	21	70	57	0	57	57
N23	5	24	70	56	0	56	56
N23	6	27	70	56	0	56	56
N23	7	30	70	56	0	56	56
N23	8	34	70	57	0	57	57
N23	9	37	70	57	0	57	57
N23	10	40	70	57	0	57	57
N23	11	43	70	58	0	58	58
N23	12	46	70	58	0	58	58
N23	13	50	70	59	0	59	59
N23	14	53	70	60	0	60	60

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N24	1	11	70	44	0	44	44
N24	2	14	70	44	0	44	44
N24	3	18	70	44	0	44	44
N24	4	21	70	44	0	44	44
N24	5	24	70	44	0	44	44
N24	6	27	70	44	0	44	44
N24	7	30	70	45	0	45	45
N24	8	34	70	45	0	45	45
N24	9	37	70	45	0	45	45
N24	10	40	70	46	0	46	46
N24	11	43	70	47	0	47	47
N24	12	46	70	48	0	48	48
N24	13	50	70	49	0	49	49
N24	14	53	70	50	0	50	50
N25	1	11	70	67	0	67	67
N25	2	14	70	67	0	67	67
N25	3	18	70	67	0	67	67
N25	4	21	70	67	0	67	67
N25	5	24	70	66	0	66	66
N25	6	27	70	66	0	66	66
N25	7	30	70	66	0	66	66
N25	8	34	70	66	0	66	66
N25	9	37	70	66	0	66	66
N25	10	40	70	66	0	66	66
N25	11	43	70	66	0	66	66
N25	12	46	70	66	0	66	66
N25	13	50	70	66	0	66	66
N25	14	53	70	66	0	66	66
N26	1	11	70	67	0	67	67
N26	2	14	70	67	0	67	67
N26	3	17	70	67	0	67	67
N26	4	21	70	67	0	67	67
N26	5	24	70	66	0	66	66
N26	6	27	70	66	0	66	66
N26	7	30	70	66	0	66	66
N26	8	33	70	66	0	66	66
N26	9	37	70	66	0	66	66
N26	10	40	70	66	0	66	66
N26	11	43	70	66	0	66	66
N27	1	11	70	57	0	57	57
N27	2	14	70	57	0	57	57
N27	3	17	70	57	0	57	57
N27	4	21	70	57	0	57	57
N27	5	24	70	57	0	57	57
N27	6	27	70	57	0	57	57
N27	7	30	70	57	0	57	57
N27	8	33	70	57	0	57	57
N27	9	37	70	57	0	57	57
N27	10	40	70	58	0	58	58
N27	11	43	70	59	0	59	59

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N28	1	11	70	59	0	59	59
N28	2	14	70	59	0	59	59
N28	3	17	70	59	0	59	59
N28	4	21	70	59	0	59	59
N28	5	24	70	59	0	59	59
N28	6	27	70	59	0	59	59
N28	7	30	70	59	0	59	59
N28	8	33	70	59	0	59	59
N28	9	37	70	59	0	59	59
N28	10	40	70	59	0	59	59
N28	11	43	70	60	0	60	60
N29	1	11	70	64	0	64	64
N29	2	14	70	64	0	64	64
N29	3	17	70	64	0	64	64
N29	4	21	70	64	0	64	64
N29	5	24	70	64	0	64	64
N29	6	27	70	64	0	64	64
N29	7	30	70	64	0	64	64
N29	8	33	70	64	0	64	64
N29	9	37	70	64	0	64	64
N29	10	40	70	64	0	64	64
N29	11	43	70	64	0	64	64
N30	1	11	70	69	0	69	69
N30	2	14	70	69	0	69	69
N30	3	17	70	69	0	69	69
N30	4	21	70	69	0	69	69
N30	5	24	70	69	0	69	69
N30	6	27	70	69	0	69	69
N30	7	30	70	69	0	69	69
N30	8	33	70	69	0	69	69
N30	9	37	70	69	0	69	69
N30	10	40	70	69	0	69	69
N30	11	43	70	69	0	69	69
N31	1	11	70	69	0	69	69
N31	2	14	70	69	0	69	69
N31	3	17	70	69	0	69	69
N31	4	21	70	69	0	69	69
N31	5	24	70	69	0	69	69
N31	6	27	70	69	0	69	69
N31	7	30	70	69	0	69	69
N31	8	33	70	69	0	69	69
N31	9	37	70	69	0	69	69
N31	10	40	70	69	0	69	69
N31	11	43	70	69	0	69	69
N32	1	16	70	**79**	49	**79**	29
N32	2	19	70	**79**	49	**79**	29
N32	3	22	70	**78**	50	**78**	29
N32	4	25	70	**78**	50	**78**	29
N32	5	29	70	**78**	49	**78**	28
N32	6	32	70	**78**	50	**78**	28
N32	7	35	70	**77**	50	**77**	28
N32	8	38	70	**77**	50	**77**	27
N32	9	41	70	**77**	51	**77**	26

Appendix 3.4 Predicted Traffic Noise Level (Mitigated)

NSRs	Floor Level	Height (mPD)	Criteria dB(A)	Predicted Noise Level dB(A)			
				Project Road	Non-Project Road	Overall	Project Road Contribution
N33	1	16	70	**80**	35	**80**	44
N33	2	19	70	**80**	36	**80**	44
N33	3	22	70	**79**	36	**79**	44
N33	4	25	70	**79**	36	**79**	43
N33	5	29	70	**79**	37	**79**	42
N33	6	32	70	**78**	38	**78**	41
N33	7	35	70	**78**	39	**78**	39
N33	8	38	70	**78**	42	**78**	36
N33	9	41	70	**78**	43	**78**	34
N33	10	45	70	**77**	46	**77**	31
N33	11	48	70	**77**	49	**77**	28
N33	12	51	70	**77**	50	**77**	27
N34	1	16	70	**79**	43	**79**	36
N34	2	19	70	**79**	43	**79**	36
N34	3	22	70	**78**	43	**78**	35
N34	4	25	70	**78**	43	**78**	35
N34	5	29	70	**78**	43	**78**	35
N34	6	32	70	**78**	43	**78**	35
N34	7	35	70	**78**	43	**78**	34
N34	8	38	70	**77**	43	**77**	34
N34	9	41	70	**77**	43	**77**	34
N35	1	16	70	**80**	19	**80**	61
N35	2	19	70	**80**	20	**80**	60
N35	3	22	70	**80**	21	**80**	59
N35	4	25	70	**79**	21	**79**	58
N35	5	28	70	**79**	22	**79**	57
N35	6	32	70	**79**	23	**79**	55
N35	7	35	70	**78**	25	**78**	54
N35	8	38	70	**78**	26	**78**	52
N35	9	41	70	**78**	29	**78**	49
N36	1	16	70	**78**	18	**78**	60
N36	2	19	70	**78**	19	**78**	59
N36	3	22	70	**78**	19	**78**	58
N36	4	25	70	**77**	20	**77**	58
N36	5	28	70	**77**	20	**77**	57
N36	6	32	70	**77**	21	**77**	56
N36	7	35	70	**77**	22	**77**	54
N36	8	38	70	**76**	24	**76**	53
N36	9	41	70	**76**	25	**76**	51
N37	1	16	70	**76**	13	**76**	63
N37	2	19	70	**76**	13	**76**	63
N37	3	22	70	**76**	13	**76**	63
N37	4	25	70	**76**	13	**76**	63
N37	5	28	70	**76**	13	**76**	63
N37	6	32	70	**76**	13	**76**	63
N37	7	35	70	**76**	13	**76**	63
N37	8	38	70	**76**	13	**76**	63
N37	9	41	70	**75**	13	**75**	63

Note: Bolded and underlined value exceeds the criteria.