

Appendix 4.8
Predicted Road Traffic Noise Levels
at Representative Noise Sensitive Receivers
in Year 2031 (Unmitigated Scenario)

Appendix 4.8 Predicted Road Traffic Noise Levels at Representative Noise Sensitive Receivers in Year 2031
(Unmitigated Scenario)

NSR ID	Level	mPD	Predicted Noise Level, dB(A)		
			New Road	Existing Road	Overall
N1	1	9.2	53.9	58.1	59.5
N2	1	25.2	--	66.4	66.4
	5	36.4	--	73.2	73.2
	10	50.4	--	74.8	74.8
	15	64.4	--	74.4	74.4
	20	78.4	--	73.8	73.8
	25	92.4	--	73.3	73.3
	30	106.4	--	72.9	72.9
	35	120.4	--	72.5	72.5
	40	134.4	--	72.2	72.2
	42	140.0	--	72.1	72.1
N3	1	8.9	--	87.1	87.1
	5	20.1	--	85.5	85.5
	10	34.1	--	83.8	83.8
	12	39.7	--	83.3	83.3
N4	1	8.9	--	84.5	84.5
	5	20.1	--	83.7	83.7
	10	34.1	--	82.9	82.9
	15	48.1	--	82.1	82.1
	18	56.5	--	81.6	81.6
N5	1	8.9	--	83.4	83.4
	5	20.1	--	83.6	83.6
	10	34.1	--	82.8	82.8
	15	48.1	--	82.1	82.1
	20	62.1	--	81.5	81.5
	22	67.7	--	81.2	81.2
N6	1	8.9	--	85.2	85.2
	5	20.1	--	83.8	83.8
	10	34.1	--	82.6	82.6
	15	48.1	--	81.8	81.8
	20	62.1	--	81.1	81.1
	21	64.9	--	81.0	81.0
N7	1	9.5	--	83.3	83.3
	5	20.7	--	81.6	81.6
	10	34.7	--	80.3	80.3
	15	48.7	--	79.4	79.4
N8	1	9.5	--	81.2	81.2
	5	20.7	--	79.7	79.7
	10	34.7	--	78.5	78.5
	15	48.7	--	77.8	77.8
N9	1	9.2	55.2	81.0	81.0
	5	20.4	55.2	78.3	78.3
	10	34.4	55.1	76.3	76.3
	15	48.4	54.9	75.0	75.1
	20	62.4	54.8	74.2	74.2
	25	76.4	54.6	73.5	73.6
N10	1	9.2	54.8	79.1	79.2
	5	20.4	54.5	77.3	77.3
	10	34.4	53.4	75.7	75.7
	15	48.4	52.4	74.6	74.6
	18	56.8	52.0	74.1	74.1

NSR ID	Level	mPD	Predicted Noise Level, dB(A)		
			New Road	Existing Road	Overall
N11	1	9.2	54.4	78.7	78.7
	5	20.4	54.2	76.8	76.8
	10	34.4	53.6	75.6	75.7
	15	48.4	52.9	74.6	74.7
	20	62.4	52.1	73.9	73.9
	24	73.6	51.5	73.4	73.4
N12	1	9.2	55.2	80.4	80.4
	5	20.4	55.2	78.2	78.2
	10	34.4	55.0	76.5	76.6
	15	48.4	54.7	75.4	75.4
N13	1	8.8	--	77.5	77.5
	5	20.0	43.1	75.8	75.8
	10	34.0	54.2	74.6	74.6
	15	48.0	55.6	73.6	73.7
	20	62.0	55.4	73.1	73.1
	24	73.2	55.3	72.7	72.8
N14	1	9.2	--	70.8	70.8
	5	20.4	--	68.4	68.4
	10	34.4	--	67.2	67.2
	15	48.4	--	66.8	66.8
	20	62.4	--	66.4	66.4
	25	76.4	--	66.1	66.1
	30	90.4	48.3	65.8	65.9
N15	1	8.2	48.6	67.5	67.5
	2	11.0	50.6	69.4	69.4
	3	13.7	52.1	71.5	71.6
	4	16.5	54.0	73.5	73.5
N16	1	9.2	66.1	62.3	67.6
	5	20.4	73.4	69.3	74.8
	10	34.4	76.9	71.4	78.0
	15	48.4	70.4	71.1	77.3
	20	62.4	75.2	70.5	76.5
	25	76.4	74.4	70.0	75.8
	30	90.4	73.7	69.5	75.1
N17	1	9.5	65.2	49.2	65.3
	5	20.7	71.4	56.5	71.5
	10	34.7	75.2	58.8	75.3
	15	48.7	74.9	62.0	75.1
	20	62.7	74.3	63.7	74.6
	25	76.7	73.6	63.6	74.0
	30	90.7	73.0	63.4	73.5
	35	104.7	72.5	63.2	73.0
	40	118.7	72.0	63.2	72.5
44	129.9	71.6	63.4	72.2	
N17-A	1	9.5	65.6	36.6	65.6
	5	20.7	72.1	40.0	72.1
	10	34.7	75.5	42.6	75.5
	15	48.7	75.0	43.8	75.0
	20	62.7	74.3	44.4	74.3
	25	76.7	73.7	44.6	73.7
	30	90.7	73.1	44.7	73.1
	35	104.7	72.6	44.7	72.6
	40	118.7	72.1	44.7	72.1
	44	129.9	71.7	44.7	71.8

NSR ID	Level	mPD	Predicted Noise Level, dB(A)		
			New Road	Existing Road	Overall
N18	1	13.7	74.1	51.2	74.1
	5	24.3	79.0	56.9	79.0
	10	37.6	78.7	58.6	78.7
	15	50.8	78.0	58.7	78.0
	20	64.1	77.3	58.6	77.4
	25	77.3	76.7	58.4	76.7
	27	82.6	76.5	58.3	76.5
N18-A	1	13.7	73.0	49.5	73.0
	5	24.7	78.4	54.2	78.4
	10	37.6	77.8	55.9	77.8
	15	52.2	77.0	56.1	77.0
	20	64.1	76.4	56.0	76.4
	25	79.7	75.8	55.9	75.9
	27	85.2	75.6	55.8	75.6
N18-B	1	13.7	70.3	--	70.3
	5	24.3	75.6	--	75.6
	10	37.6	75.7	--	75.7
	15	50.8	75.0	--	75.0
	20	64.1	74.5	--	74.5
	25	77.3	74.0	--	74.0
	27	82.6	73.8	--	73.8
N19	1	13.8	73.1	52.7	73.1
	5	24.4	80.5	60.5	80.5
	10	37.6	80.1	61.4	80.2
	15	50.9	79.2	61.2	79.3
	20	64.1	78.4	60.9	78.5
	25	77.4	77.7	60.6	77.8
	27	82.7	77.4	60.5	77.5
19-A	1	13.8	70.4	--	70.4
	5	24.4	77.4	--	77.4
	10	37.6	77.7	--	77.7
	15	50.9	77.0	--	77.0
	20	64.1	76.3	--	76.3
	25	77.4	75.7	--	75.7
	27	82.7	75.5	--	75.5
N20	1	5.2	63.8	63.2	66.5
	2	8.2	65.0	64.3	67.7
	3	11.2	66.3	65.5	68.9
	4	14.2	68.0	66.9	70.5
	5	17.2	70.2	68.7	72.5
	6	20.2	72.1	70.0	74.2
	7	23.2	73.7	71.2	75.6
	8	26.2	74.7	72.0	76.6
N21	1	8.2	58.7	68.8	69.2
	5	19.4	64.4	73.9	74.4
	10	33.4	68.4	77.4	77.9
	15	47.4	69.2	77.5	78.1
	20	61.4	69.1	77.0	77.7
	25	75.4	68.7	76.5	77.2

NSR ID	Level	mPD	Predicted Noise Level, dB(A)		
			New Road	Existing Road	Overall
N22	1	8.2	56.7	70.0	70.2
	5	19.4	61.5	76.3	76.4
	10	33.4	65.2	79.0	79.2
	15	47.4	66.4	78.6	78.9
	20	61.4	66.5	78.0	78.3
	25	75.4	66.3	77.4	77.7
N23	1	9.2	--	68.8	68.8
	5	20.4	--	75.0	75.0
	10	34.4	--	76.3	76.3
	15	48.4	--	75.8	75.8
	20	62.4	--	75.2	75.2
	25	76.4	--	74.5	74.5
P1- A	1	4.8	59.5	69.7	70.1
P1- B	1	4.8	59.7	72.2	72.4
P2	1	8.2	65.5	48.3	65.6
	5	20.2	72.8	53.9	72.8
	10	35.2	77.0	56.3	77.0
	15	50.2	76.1	57.2	76.2
	20	65.2	75.3	57.6	75.4
	25	80.2	74.6	57.7	74.7
	30	95.2	73.9	57.6	74.0
	35	110.2	73.4	57.5	73.5
	40	125.2	72.9	57.3	73.0
	45	140.2	72.4	57.1	72.5
	50	155.2	72.0	56.9	72.1
	53	164.2	71.7	56.8	71.9
P3	1	8.7	65.4	40.9	65.4
	5	19.7	68.7	44.0	68.8
	10	33.5	72.7	47.1	72.7
	15	47.2	74.0	47.9	74.0
	20	61.0	74.0	48.2	74.0
	25	74.7	73.7	48.7	73.7
	30	88.5	73.4	49.8	73.4
	34	99.5	73.1	51.1	73.2

Note:

-- Noise level below 40 dB(A) would be considered negligible and hence not shown in the table.