

Appendix 5.16A

**Predicted Road Traffic Noise
(East Portion) (Prevailing
Scenario in 2014 / 2015)**

Assessment Point			Prevailing OVERALL NOISE LEVEL	Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)
ID	mPD	Floor	dB(A)		
E-N19	7.0	1	75.3	65	Y
E-N19	10.0	2	74.9	65	Y
E-N19	13.0	3	74.4	65	Y
E-N19	16.0	4	73.8	65	Y
E-N19	19.0	5	73.3	65	Y
E-N19	22.0	6	72.8	65	Y
E-N19	25.0	7	72.5	65	Y
E-N19	28.0	8	72.2	65	Y
E-P01	6.2	1	65.4	70	N
E-P01	9.2	2	65.4	70	N
E-P01	12.2	3	65.5	70	N
E-P01	15.2	4	65.6	70	N
E-P01	18.2	5	65.6	70	N
E-P01	21.2	6	65.8	70	N
E-P01	24.2	7	66.2	70	N
E-P01	27.2	8	66.6	70	N
E-P01	30.2	9	66.9	70	N
E-P01	33.2	10	67.1	70	N
E-P01	36.2	11	67.3	70	N
E-P01	39.2	12	67.4	70	N
E-P01	42.2	13	67.6	70	N
E-P01	45.2	14	67.8	70	N
E-P01	48.2	15	67.9	70	N
E-P01	51.2	16	68.2	70	N
E-P01	54.2	17	68.3	70	N
E-P01	57.2	18	68.4	70	N
E-P01	60.2	19	68.5	70	N
E-P01	63.2	20	68.6	70	N
E-P01	66.2	21	68.6	70	N
E-P01	69.2	22	68.7	70	N
E-P01	72.2	23	68.6	70	N
E-P01	75.2	24	68.6	70	N
E-P01	78.2	25	68.6	70	N
E-P01	81.2	26	68.6	70	N
E-P01	84.2	27	68.6	70	N
E-P01	87.2	28	68.6	70	N
E-P01	90.2	29	68.7	70	N
E-P01	93.2	30	68.7	70	N
E-P01	96.2	31	68.8	70	N
E-P01	99.2	32	68.8	70	N
E-P06	5.2	1	59.8	70	N
E-P06	8.2	2	59.8	70	N
E-P06	11.2	3	59.8	70	N
E-P06	14.2	4	59.8	70	N
E-P06	17.2	5	59.8	70	N
E-P06	20.2	6	59.8	70	N
E-P06	23.2	7	59.8	70	N
E-P06	26.2	8	59.7	70	N
E-P06	29.2	9	59.7	70	N
E-P06	32.2	10	59.7	70	N
E-P06	35.2	11	59.7	70	N
E-P06	38.2	12	59.7	70	N
E-P06	41.2	13	59.7	70	N
E-P06	44.2	14	59.7	70	N
E-P06	47.2	15	59.7	70	N
E-P06	50.2	16	59.7	70	N
E-P06	53.2	17	59.7	70	N
E-P06	56.2	18	59.7	70	N
E-P06	59.2	19	59.6	70	N
E-P06	62.2	20	59.6	70	N

Assessment Point			Prevailing OVERALL NOISE LEVEL	Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)
ID	mPD	Floor	dB(A)		
E-P07	5.2	1	61.8	70	N
E-P07	8.2	2	61.7	70	N
E-P07	11.2	3	61.6	70	N
E-P07	14.2	4	61.4	70	N
E-P07	17.2	5	61.1	70	N
E-P07	20.2	6	61.0	70	N
E-P07	23.2	7	60.8	70	N
E-P07	26.2	8	60.7	70	N
E-P07	29.2	9	60.6	70	N
E-P07	32.2	10	60.5	70	N
E-P07	35.2	11	60.4	70	N
E-P07	38.2	12	60.3	70	N
E-P07	41.2	13	60.2	70	N
E-P07	44.2	14	60.1	70	N
E-P07	47.2	15	60.1	70	N
E-P07	50.2	16	60.0	70	N
E-P07	53.2	17	60.0	70	N
E-P07	56.2	18	59.9	70	N
E-P07	59.2	19	59.8	70	N
E-P07	62.2	20	59.8	70	N
E-P07	65.2	21	59.7	70	N
E-P07	68.2	22	59.7	70	N
E-P07	71.2	23	59.6	70	N
E-P07	74.2	24	59.6	70	N
E-P07	77.2	25	59.5	70	N
E-P07	80.2	26	59.5	70	N
E-P07	83.2	27	59.4	70	N
E-P07	86.2	28	59.4	70	N
E-P07	89.2	29	59.4	70	N
E-P07	92.2	30	59.3	70	N
E-P07	95.2	31	59.3	70	N
E-P07	98.2	32	59.2	70	N
E-P07	101.2	33	59.2	70	N
E-P07	104.2	34	59.2	70	N
E-P07	107.2	35	59.1	70	N
E-P08	6.2	1	65.0	70	N
E-P08	9.2	2	65.1	70	N
E-P08	12.2	3	65.2	70	N
E-P08	15.2	4	65.7	70	N
E-P08	18.2	5	67.5	70	N
E-P08	21.2	6	68.9	70	N
E-P08	24.2	7	69.5	70	N
E-P08	27.2	8	69.8	70	N
E-P08	30.2	9	69.9	70	N
E-P08	33.2	10	69.9	70	N
E-P08	36.2	11	69.8	70	N
E-P08	39.2	12	69.8	70	N
E-P08	42.2	13	69.7	70	N
E-P08	45.2	14	69.6	70	N
E-P08	48.2	15	69.5	70	N

Assessment Point			Prevailing OVERALL NOISE LEVEL	Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)
ID	mPD	Floor	dB(A)		
E-P13A	5.6	1	65.8	55	Y
E-P13A	9.6	2	65.9	55	Y
E-P13A	13.6	3	66.0	55	Y
E-P13A	17.6	4	66.2	55	Y
E-P13A	21.6	5	66.4	55	Y
E-P13A	25.6	6	66.7	55	Y
E-P13A	29.6	7	67.0	55	Y
E-P13A	33.6	8	67.3	55	Y
E-P13A	37.6	9	67.6	55	Y
E-P13A	41.6	10	67.8	55	Y
E-P13A	45.6	11	67.9	55	Y
E-P13A	49.6	12	68.1	55	Y
E-P13A	53.6	13	68.2	55	Y
E-P13A	57.6	14	68.7	55	Y
E-P13B	5.9	1	75.6	55	Y
E-P13B	9.9	2	75.8	55	Y
E-P13B	13.9	3	75.9	55	Y
E-P13B	17.9	4	76.0	55	Y
E-P13B	21.9	5	76.1	55	Y
E-P13B	25.9	6	76.1	55	Y
E-P13B	29.9	7	76.2	55	Y
E-P13B	33.9	8	76.3	55	Y
E-P13B	37.9	9	76.4	55	Y
E-P13B	41.9	10	76.4	55	Y
E-P13B	45.9	11	76.5	55	Y
E-P13B	49.9	12	76.5	55	Y
E-P13B	53.9	13	76.5	55	Y
E-P13B	57.9	14	76.4	55	Y
E-P14A	5.3	1	69.7	65	Y
E-P14A	9.3	2	69.7	65	Y
E-P14A	13.3	3	69.8	65	Y
E-P14A	17.3	4	69.9	65	Y
E-P14A	21.3	5	69.9	65	Y
E-P14A	25.3	6	69.9	65	Y
E-P14A	29.3	7	69.9	65	Y
E-P14A	33.3	8	69.9	65	Y
E-P14A	37.3	9	69.9	65	Y
E-P14A	41.3	10	70.0	65	Y
E-P14B	5.3	1	73.3	65	Y
E-P14B	9.3	2	73.4	65	Y
E-P14B	13.3	3	73.4	65	Y
E-P14B	17.3	4	73.5	65	Y
E-P14B	21.3	5	73.5	65	Y
E-P14B	25.3	6	73.6	65	Y
E-P14B	29.3	7	73.6	65	Y
E-P14B	33.3	8	73.6	65	Y
E-P14B	37.3	9	73.6	65	Y
E-P14B	41.3	10	73.6	65	Y
E-P14C	5.3	1	70.7	65	Y
E-P14C	9.3	2	70.8	65	Y
E-P14C	13.3	3	70.8	65	Y
E-P14C	17.3	4	70.9	65	Y
E-P14C	21.3	5	71.0	65	Y
E-P14C	25.3	6	71.1	65	Y
E-P14C	29.3	7	71.1	65	Y
E-P14C	33.3	8	71.2	65	Y
E-P14C	37.3	9	71.2	65	Y
E-P14C	41.3	10	71.3	65	Y
E-P14D	5.3	1	40.8	65	N
E-P14D	9.3	2	40.8	65	N
E-P14D	13.3	3	40.8	65	N
E-P14D	17.3	4	40.7	65	N
E-P14D	21.3	5	40.7	65	N
E-P14D	25.3	6	40.7	65	N
E-P14D	29.3	7	40.8	65	N
E-P14D	33.3	8	41.6	65	N
E-P14D	37.3	9	44.2	65	N
E-P14D	41.3	10	48.6	65	N

Assessment Point			Prevailing OVERALL NOISE LEVEL	Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)
ID	mPD	Floor	dB(A)		
E-P14E	5.3	1	54.7	65	N
E-P14E	9.3	2	54.9	65	N
E-P14E	13.3	3	55.0	65	N
E-P14E	17.3	4	55.2	65	N
E-P14E	21.3	5	55.6	65	N
E-P14E	25.3	6	55.9	65	N
E-P14E	29.3	7	55.9	65	N
E-P14E	33.3	8	56.2	65	N
E-P14E	37.3	9	56.8	65	N
E-P14E	41.3	10	57.8	65	N
E-P14F	5.3	1	56.2	65	N
E-P14F	9.3	2	56.5	65	N
E-P14F	13.3	3	56.9	65	N
E-P14F	17.3	4	57.4	65	N
E-P14F	21.3	5	57.9	65	N
E-P14F	25.3	6	58.2	65	N
E-P14F	29.3	7	58.1	65	N
E-P14F	33.3	8	58.2	65	N
E-P14F	37.3	9	58.4	65	N
E-P14F	41.3	10	58.6	65	N
E-P14G	5.3	1	19.2	65	N
E-P14G	9.3	2	19.2	65	N
E-P14G	13.3	3	19.2	65	N
E-P14G	17.3	4	19.4	65	N
E-P14G	21.3	5	20.4	65	N
E-P14G	25.3	6	21.6	65	N
E-P14G	29.3	7	23.1	65	N
E-P14G	33.3	8	25.0	65	N
E-P14G	37.3	9	27.2	65	N
E-P14G	41.3	10	30.0	65	N
E-P16	6.2	1	67.0	70	N
E-P16	9.2	2	67.0	70	N
E-P16	12.2	3	67.1	70	N
E-P16	15.2	4	67.1	70	N
E-P16	18.2	5	67.2	70	N
E-P16	21.2	6	67.3	70	N
E-P16	24.2	7	67.4	70	N
E-P16	27.2	8	67.6	70	N
E-P16	30.2	9	67.6	70	N
E-P16	33.2	10	67.7	70	N
E-P16	36.2	11	67.7	70	N
E-P16	39.2	12	67.7	70	N
E-P16	42.2	13	67.7	70	N
E-P16	45.2	14	67.6	70	N
E-P16	48.2	15	67.6	70	N
E-P16	51.2	16	67.6	70	N
E-P16	54.2	17	67.5	70	N
E-P16	57.2	18	67.5	70	N
E-P16	60.2	19	67.5	70	N
E-P16	63.2	20	67.5	70	N
E-P16	66.2	21	67.6	70	N
E-P16	69.2	22	67.6	70	N
E-P16	72.2	23	67.6	70	N
E-P16	75.2	24	67.7	70	N
E-P16	78.2	25	67.7	70	N
E-P16	81.2	26	67.7	70	N
E-P16	84.2	27	67.8	70	N
E-P16	87.2	28	67.8	70	N
E-P16	90.2	29	67.8	70	N
E-P16	93.2	30	67.7	70	N
E-P16	96.2	31	67.7	70	N
E-P16	99.2	32	67.7	70	N

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 Title: Detailed Calculation of Road Traffic Noise
 Scenario: 2014/2015 (Prevailing)

Assessment Point			Prevailing OVERALL NOISE LEVEL	Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)
ID	mPD	Floor	dB(A)		
E-P20	5.9	1	65.1	70	N
E-P20	8.9	2	65.1	70	N
E-P20	11.9	3	65.1	70	N
E-P20	14.9	4	65.1	70	N
E-P20	17.9	5	65.1	70	N
E-P20	20.9	6	65.1	70	N
E-P20	23.9	7	65.1	70	N
E-P20	26.9	8	65.2	70	N
E-P20	29.9	9	65.3	70	N
E-P20	32.9	10	65.9	70	N
E-P20	35.9	11	66.2	70	N
E-P20	38.9	12	66.4	70	N
E-P20	41.9	13	66.7	70	N
E-P20	44.9	14	66.9	70	N
E-P20	47.9	15	67.1	70	N
E-P20	50.9	16	67.3	70	N
E-P20	53.9	17	67.5	70	N
E-P20	56.9	18	67.7	70	N
E-P20	59.9	19	67.9	70	N
E-P20	62.9	20	68.0	70	N
E-P20	65.9	21	68.1	70	N
E-P20	68.9	22	68.2	70	N
E-P20	71.9	23	68.2	70	N
E-P20	74.9	24	68.3	70	N
E-P20	77.9	25	68.3	70	N
E-P20	80.9	26	68.4	70	N
E-P20	83.9	27	68.4	70	N
E-P20	86.9	28	68.4	70	N
E-P20	89.9	29	68.4	70	N
E-P20	92.9	30	68.4	70	N
E-P20	95.9	31	68.4	70	N
E-P20	98.9	32	68.4	70	N