

Appendix 5.16

**Predicted Road Traffic Noise
(East Portion) (Mitigated)**

Project: 217722-07 Agreement No. CE43/2010 (HY) CKR
 Title: Detailed Calculation of Road Traffic Noise
 Scenario: Mitigated

Assessment Point			WITH PROJECT				Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)	Check Project [E] - [D] dB(A)	Impact Significance > or = 1dB(A)	Check Direct Mitigation CKR > Criteria	Mitigation Measures Required? (Y/N)
ID	mPD	Floor	CKR [A] dB(A)	D2+D3+D4+T2 [B] dB(A)	EXISTING [C] dB(A)	D2+D3+D4+T2+Existing [D] = [B] + [C] dB(A)						
E-N19	7.0	1	15.0	53.4	76.2	76.3	76.3	65	Y	0.0	N	N
E-N19	10.0	2	15.0	53.4	75.8	75.9	75.9	65	Y	0.0	N	N
E-N19	13.0	3	15.0	53.4	75.3	75.3	75.3	65	Y	0.0	N	N
E-N19	16.0	4	15.0	53.4	74.7	74.8	74.8	65	Y	0.0	N	N
E-N19	19.0	5	14.9	53.4	74.2	74.2	74.2	65	Y	0.0	N	N
E-N19	22.0	6	14.9	53.4	73.7	73.8	73.8	65	Y	0.0	N	N
E-N19	25.0	7	14.9	53.4	73.4	73.4	73.4	65	Y	0.0	N	N
E-N19	28.0	8	14.9	53.4	73.1	73.1	73.1	65	Y	0.0	N	N
E-P01	6.2	1	41.2	67.7	37.4	67.7	67.7	70	N	0.0	N	N
E-P01	9.2	2	41.8	67.7	37.5	67.7	67.7	70	N	0.0	N	N
E-P01	12.2	3	42.4	67.8	37.7	67.8	67.8	70	N	0.0	N	N
E-P01	15.2	4	43.1	67.8	37.9	67.8	67.8	70	N	0.0	N	N
E-P01	18.2	5	43.7	67.9	38.1	67.9	67.9	70	N	0.0	N	N
E-P01	21.2	6	44.3	68.1	38.3	68.1	68.1	70	N	0.0	N	N
E-P01	24.2	7	45.1	68.4	38.7	68.5	68.5	70	N	0.0	N	N
E-P01	27.2	8	45.8	68.9	39.2	68.9	68.9	70	N	0.0	N	N
E-P01	30.2	9	46.7	69.1	40.0	69.1	69.1	70	N	0.0	N	N
E-P01	33.2	10	47.7	69.3	41.3	69.4	69.4	70	N	0.0	N	N
E-P01	36.2	11	49.0	69.5	43.6	69.5	69.5	70	N	0.0	N	N
E-P01	39.2	12	50.8	69.6	45.6	69.6	69.7	70	N	0.1	N	N
E-P01	42.2	13	53.2	69.7	47.1	69.8	69.9	70	N	0.1	N	N
E-P01	45.2	14	55.0	69.9	48.1	69.9	70.1	70	N	0.2	N	N
E-P01	48.2	15	55.6	70.0	49.1	70.1	70.2	70	N	0.1	N	N
E-P01	51.2	16	56.0	70.2	51.7	70.3	70.4	70	N	0.1	N	N
E-P01	54.2	17	56.4	70.3	53.3	70.4	70.6	70	Y	0.2	N	N
E-P01	57.2	18	57.2	70.4	53.7	70.5	70.7	70	Y	0.2	N	N
E-P01	60.2	19	58.0	70.5	54.0	70.6	70.8	70	Y	0.2	N	N
E-P01	63.2	20	58.6	70.6	54.2	70.7	70.9	70	Y	0.2	N	N
E-P01	66.2	21	59.6	70.6	54.4	70.7	71.0	70	Y	0.3	N	N
E-P01	69.2	22	60.2	70.6	54.6	70.7	71.1	70	Y	0.4	N	N
E-P01	72.2	23	60.8	70.6	54.9	70.7	71.1	70	Y	0.4	N	N
E-P01	75.2	24	61.1	70.5	55.3	70.6	71.1	70	Y	0.5	N	N
E-P01	78.2	25	61.5	70.4	55.8	70.6	71.1	70	Y	0.5	N	N
E-P01	81.2	26	61.9	70.4	56.5	70.5	71.1	70	Y	0.6	N	N
E-P01	84.2	27	62.3	70.3	57.4	70.5	71.1	70	Y	0.6	N	N
E-P01	87.2	28	62.8	70.2	58.2	70.5	71.2	70	Y	0.7	N	N
E-P01	90.2	29	63.2	70.2	59.0	70.5	71.2	70	Y	0.7	N	N
E-P01	93.2	30	63.6	70.1	59.6	70.5	71.3	70	Y	0.8	N	N
E-P01	96.2	31	63.9	70.1	60.2	70.5	71.3	70	Y	0.8	N	N
E-P01	99.2	32	64.1	70.0	60.7	70.5	71.4	70	Y	0.9	N	N
E-P06	5.2	1	55.2	61.4	48.6	61.6	62.5	70	N	0.9	N	N
E-P06	8.2	2	55.4	61.4	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	11.2	3	55.5	61.4	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	14.2	4	55.5	61.4	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	17.2	5	55.6	61.4	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	20.2	6	55.7	61.4	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	23.2	7	55.7	61.4	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	26.2	8	55.7	61.3	48.6	61.6	62.6	70	N	1.0	Y	N
E-P06	29.2	9	55.8	61.3	48.5	61.6	62.6	70	N	1.0	Y	N
E-P06	32.2	10	55.9	61.3	48.5	61.6	62.6	70	N	1.0	Y	N
E-P06	35.2	11	56.0	61.3	48.5	61.5	62.6	70	N	1.1	Y	N
E-P06	38.2	12	56.0	61.3	48.5	61.5	62.6	70	N	1.1	Y	N
E-P06	41.2	13	56.1	61.3	48.4	61.5	62.6	70	N	1.1	Y	N
E-P06	44.2	14	56.3	61.3	48.4	61.5	62.6	70	N	1.1	Y	N
E-P06	47.2	15	56.3	61.3	48.4	61.5	62.6	70	N	1.1	Y	N
E-P06	50.2	16	56.5	61.3	48.4	61.5	62.7	70	N	1.2	Y	N
E-P06	53.2	17	56.5	61.3	48.3	61.5	62.7	70	N	1.2	Y	N
E-P06	56.2	18	56.7	61.3	48.3	61.5	62.7	70	N	1.2	Y	N
E-P06	59.2	19	56.9	61.2	48.3	61.4	62.7	70	N	1.3	Y	N
E-P06	62.2	20	57.1	61.2	48.2	61.4	62.8	70	N	1.4	Y	N

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Assessment Point			WITH PROJECT				Noise Criteria dB(A)	Exceedance Overall > Criteria (Y/N)	Check Project Impact Significance		Check Direct Mitigation		Mitigation Measures Required? (Y/N)
ID	mPD	Floor	CKR [A] dB(A)	D2+D3+D4+T2 [B] dB(A)	EXISTING [C] dB(A)	D2+D3+D4+T2+Existing [D] = [B] + [C] dB(A)			OVERALL NOISE LEVEL [E] = [A] + [D] dB(A)	[E] - [D] dB(A)	> or = 1dB(A)	CKR > Criteria	
E-P07	5.2	1	54.7	60.0	62.3	64.3	64.8	70	N	0.5	N	N	N
E-P07	8.2	2	54.9	60.0	62.2	64.2	64.7	70	N	0.5	N	N	N
E-P07	11.2	3	55.2	60.0	61.9	64.1	64.6	70	N	0.5	N	N	N
E-P07	14.2	4	55.2	60.0	61.5	63.8	64.4	70	N	0.6	N	N	N
E-P07	17.2	5	55.3	60.0	61.1	63.6	64.2	70	N	0.6	N	N	N
E-P07	20.2	6	55.3	60.0	60.7	63.3	64.0	70	N	0.7	N	N	N
E-P07	23.2	7	55.4	60.0	60.3	63.1	63.8	70	N	0.7	N	N	N
E-P07	26.2	8	55.5	60.0	60.0	63.0	63.7	70	N	0.7	N	N	N
E-P07	29.2	9	55.5	60.0	59.6	62.8	63.6	70	N	0.8	N	N	N
E-P07	32.2	10	55.6	59.9	59.3	62.7	63.4	70	N	0.7	N	N	N
E-P07	35.2	11	55.6	59.9	59.0	62.5	63.3	70	N	0.8	N	N	N
E-P07	38.2	12	55.8	59.9	58.8	62.4	63.3	70	N	0.9	N	N	N
E-P07	41.2	13	55.8	59.9	58.6	62.3	63.2	70	N	0.9	N	N	N
E-P07	44.2	14	55.9	59.9	58.3	62.2	63.1	70	N	0.9	N	N	N
E-P07	47.2	15	56.0	59.9	58.2	62.1	63.1	70	N	1.0	Y	N	N
E-P07	50.2	16	56.2	59.9	58.0	62.0	63.0	70	N	1.0	Y	N	N
E-P07	53.2	17	56.3	59.9	57.8	62.0	63.0	70	N	1.0	Y	N	N
E-P07	56.2	18	56.4	59.8	57.7	61.9	63.0	70	N	1.1	Y	N	N
E-P07	59.2	19	56.6	59.8	57.5	61.8	63.0	70	N	1.2	Y	N	N
E-P07	62.2	20	56.8	59.8	57.4	61.8	63.0	70	N	1.2	Y	N	N
E-P07	65.2	21	57.0	59.8	57.2	61.7	63.0	70	N	1.3	Y	N	N
E-P07	68.2	22	57.3	59.7	57.1	61.6	63.0	70	N	1.4	Y	N	N
E-P07	71.2	23	57.6	59.7	57.0	61.6	63.0	70	N	1.4	Y	N	N
E-P07	74.2	24	57.8	59.7	56.9	61.5	63.1	70	N	1.6	Y	N	N
E-P07	77.2	25	58.3	59.7	56.7	61.5	63.2	70	N	1.7	Y	N	N
E-P07	80.2	26	58.7	59.6	56.6	61.4	63.3	70	N	1.9	Y	N	N
E-P07	83.2	27	59.6	59.6	56.6	61.4	63.6	70	N	2.2	Y	N	N
E-P07	86.2	28	59.5	59.6	56.4	61.3	63.5	70	N	2.2	Y	N	N
E-P07	89.2	29	60.0	59.6	56.4	61.3	63.7	70	N	2.4	Y	N	N
E-P07	92.2	30	60.6	59.6	56.2	61.2	63.9	70	N	2.7	Y	N	N
E-P07	95.2	31	61.1	59.6	56.2	61.2	64.2	70	N	3.0	Y	N	N
E-P07	98.2	32	61.5	59.5	56.0	61.1	64.4	70	N	3.3	Y	N	N
E-P07	101.2	33	61.9	59.5	56.0	61.1	64.5	70	N	3.4	Y	N	N
E-P07	104.2	34	62.2	59.4	55.9	61.0	64.7	70	N	3.7	Y	N	N
E-P07	107.2	35	62.3	59.5	55.8	61.0	64.7	70	N	3.7	Y	N	N
E-P08	6.2	1	40.8	67.3	36.7	67.3	67.3	70	N	0.0	N	N	N
E-P08	9.2	2	41.9	67.4	36.7	67.4	67.4	70	N	0.0	N	N	N
E-P08	12.2	3	42.9	67.5	36.7	67.5	67.5	70	N	0.0	N	N	N
E-P08	15.2	4	43.7	68.0	36.8	68.0	68.0	70	N	0.0	N	N	N
E-P08	18.2	5	44.4	69.7	36.9	69.7	69.7	70	N	0.0	N	N	N
E-P08	21.2	6	45.0	71.1	37.1	71.1	71.2	70	Y	0.1	N	N	N
E-P08	24.2	7	45.7	71.9	37.2	71.9	71.9	70	Y	0.0	N	N	N
E-P08	27.2	8	46.4	72.2	37.5	72.2	72.2	70	Y	0.0	N	N	N
E-P08	30.2	9	47.0	72.3	37.8	72.3	72.3	70	Y	0.0	N	N	N
E-P08	33.2	10	47.6	72.3	38.3	72.3	72.3	70	Y	0.0	N	N	N
E-P08	36.2	11	48.3	72.2	38.9	72.2	72.2	70	Y	0.0	N	N	N
E-P08	39.2	12	49.0	72.2	39.7	72.2	72.2	70	Y	0.0	N	N	N
E-P08	42.2	13	49.9	72.1	40.9	72.1	72.1	70	Y	0.0	N	N	N
E-P08	45.2	14	51.2	72.0	42.2	72.0	72.0	70	Y	0.0	N	N	N
E-P08	48.2	15	52.5	71.9	44.1	71.9	72.0	70	Y	0.1	N	N	N

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Assessment Point			WITH PROJECT				OVERALL NOISE LEVEL	Noise Criteria	Exceedance	Check Project	Impact Significance	Check Direct Mitigation	Mitigation Measures
ID	mPD	Floor	CKR [A] dB(A)	D2+D3+D4+T2 dB(A)	EXISTING [C] dB(A)	D2+D3+D4+T2+Existing [D] = [B] + [C] dB(A)	[E] = [A] + [D] dB(A)	Overall > Criteria (Y/N)	[E] - [D] dB(A)	> or = 1dB(A)	CKR > Criteria	Required? (Y/N)	
E-P13A	5.6	1	70.1	77.7	64.5	77.9	78.6	55	Y	0.7	N	Y	Y
E-P13A	9.6	2	70.0	79.7	64.7	79.8	80.2	55	Y	0.4	N	Y	Y
E-P13A	13.6	3	70.0	80.2	64.8	80.3	80.7	55	Y	0.4	N	Y	Y
E-P13A	17.6	4	69.9	80.5	65.0	80.6	81.0	55	Y	0.4	N	Y	Y
E-P13A	21.6	5	69.8	80.5	65.3	80.6	81.0	55	Y	0.4	N	Y	Y
E-P13A	25.6	6	69.6	80.2	65.7	80.3	80.7	55	Y	0.4	N	Y	Y
E-P13A	29.6	7	69.5	79.9	66.0	80.1	80.5	55	Y	0.4	N	Y	Y
E-P13A	33.6	8	69.4	79.6	66.5	79.8	80.2	55	Y	0.4	N	Y	Y
E-P13A	37.6	9	69.2	79.2	66.8	79.5	79.9	55	Y	0.4	N	Y	Y
E-P13A	41.6	10	69.0	79.0	67.1	79.2	79.6	55	Y	0.4	N	Y	Y
E-P13A	45.6	11	68.9	78.6	67.3	78.9	79.3	55	Y	0.4	N	Y	Y
E-P13A	49.6	12	68.7	78.4	67.5	78.7	79.1	55	Y	0.4	N	Y	Y
E-P13A	53.6	13	68.5	78.1	67.7	78.4	78.9	55	Y	0.5	N	Y	Y
E-P13A	57.6	14	68.4	77.8	68.3	78.3	78.7	55	Y	0.4	N	Y	Y
E-P13B	5.9	1	65.0	76.8	73.3	76.4	78.6	55	Y	0.2	N	Y	Y
E-P13B	9.9	2	65.0	77.6	73.8	79.1	79.3	55	Y	0.2	N	Y	Y
E-P13B	13.9	3	65.0	78.9	74.2	80.1	80.3	55	Y	0.2	N	Y	Y
E-P13B	17.9	4	64.9	78.9	74.6	80.2	80.4	55	Y	0.2	N	Y	Y
E-P13B	21.9	5	64.8	78.7	74.8	80.2	80.3	55	Y	0.1	N	Y	Y
E-P13B	25.9	6	64.7	78.5	75.0	80.1	80.2	55	Y	0.1	N	Y	Y
E-P13B	29.9	7	64.5	78.4	75.3	80.1	80.2	55	Y	0.1	N	Y	Y
E-P13B	33.9	8	64.3	78.3	75.6	80.2	80.3	55	Y	0.1	N	Y	Y
E-P13B	37.9	9	64.2	78.2	75.9	80.2	80.3	55	Y	0.1	N	Y	Y
E-P13B	41.9	10	64.0	78.0	76.0	80.1	80.2	55	Y	0.1	N	Y	Y
E-P13B	45.9	11	63.9	77.8	76.1	80.1	80.2	55	Y	0.1	N	Y	Y
E-P13B	49.9	12	63.7	77.6	76.2	80.0	80.1	55	Y	0.1	N	Y	Y
E-P13B	53.9	13	63.6	77.4	76.2	79.9	80.0	55	Y	0.1	N	Y	Y
E-P13B	57.9	14	63.4	77.1	76.3	79.7	79.8	55	Y	0.1	N	Y	Y
E-P14A	5.3	1	75.2	56.5	65.1	65.7	75.6	65	Y	9.9	Y	Y	Y
E-P14A	9.3	2	75.2	56.5	66.2	66.7	75.8	65	Y	9.1	Y	Y	Y
E-P14A	13.3	3	75.3	56.6	66.7	67.1	75.9	65	Y	8.8	Y	Y	Y
E-P14A	17.3	4	75.4	56.6	67.0	67.4	76.1	65	Y	8.7	Y	Y	Y
E-P14A	21.3	5	75.5	56.7	67.1	67.5	76.1	65	Y	8.6	Y	Y	Y
E-P14A	25.3	6	75.6	56.7	67.0	67.4	76.2	65	Y	8.8	Y	Y	Y
E-P14A	29.3	7	75.7	56.5	67.0	67.4	76.3	65	Y	8.9	Y	Y	Y
E-P14A	33.3	8	75.8	56.4	67.0	67.4	76.4	65	Y	9.0	Y	Y	Y
E-P14A	37.3	9	75.9	56.3	67.0	67.4	76.5	65	Y	9.1	Y	Y	Y
E-P14A	41.3	10	76.0	56.2	67.0	67.4	76.6	65	Y	9.2	Y	Y	Y
E-P14B	5.3	1	78.0	60.5	69.4	70.0	78.6	65	Y	8.6	Y	Y	Y
E-P14B	9.3	2	78.0	60.6	69.9	70.4	78.7	65	Y	8.3	Y	Y	Y
E-P14B	13.3	3	78.0	60.6	70.1	70.6	78.7	65	Y	8.1	Y	Y	Y
E-P14B	17.3	4	78.0	60.9	70.3	70.8	78.8	65	Y	8.0	Y	Y	Y
E-P14B	21.3	5	78.0	61.2	70.4	70.9	78.8	65	Y	7.9	Y	Y	Y
E-P14B	25.3	6	78.1	61.3	70.5	71.0	78.8	65	Y	7.8	Y	Y	Y
E-P14B	29.3	7	78.1	61.3	70.5	71.0	78.8	65	Y	7.8	Y	Y	Y
E-P14B	33.3	8	78.1	61.3	70.5	71.0	78.9	65	Y	7.9	Y	Y	Y
E-P14B	37.3	9	78.1	61.1	70.6	71.1	78.8	65	Y	7.7	Y	Y	Y
E-P14B	41.3	10	78.0	60.9	70.7	71.1	78.8	65	Y	7.7	Y	Y	Y
E-P14C	5.3	1	74.6	59.6	68.7	69.2	75.7	65	Y	6.5	Y	Y	Y
E-P14C	9.3	2	74.6	60.0	68.8	69.3	75.7	65	Y	6.4	Y	Y	Y
E-P14C	13.3	3	74.6	60.4	68.8	69.4	75.7	65	Y	6.3	Y	Y	Y
E-P14C	17.3	4	74.5	61.0	69.0	69.6	75.8	65	Y	6.2	Y	Y	Y
E-P14C	21.3	5	74.5	61.6	69.1	69.8	75.8	65	Y	6.0	Y	Y	Y
E-P14C	25.3	6	74.5	62.0	69.2	70.0	75.8	65	Y	5.8	Y	Y	Y
E-P14C	29.3	7	74.4	62.0	69.3	70.0	75.8	65	Y	5.7	Y	Y	Y
E-P14C	33.3	8	74.3	62.1	69.4	70.1	75.7	65	Y	5.6	Y	Y	Y
E-P14C	37.3	9	74.3	62.0	69.5	70.2	75.7	65	Y	5.5	Y	Y	Y
E-P14C	41.3	10	74.2	61.9	69.6	70.3	75.7	65	Y	5.4	Y	Y	Y
E-P14D	5.3	1	45.5	27.8	38.0	38.4	46.3	65	N	7.9	Y	N	N
E-P14D	9.3	2	45.5	27.8	38.0	38.4	46.3	65	N	7.9	Y	N	N
E-P14D	13.3	3	45.5	27.7	38.0	38.4	46.3	65	N	7.9	Y	N	N
E-P14D	17.3	4	45.5	27.8	37.9	38.3	46.2	65	N	7.9	Y	N	N
E-P14D	21.3	5	45.5	27.8	37.9	38.3	46.2	65	N	7.9	Y	N	N
E-P14D	25.3	6	45.5	28.0	37.9	38.3	46.2	65	N	7.9	Y	N	N
E-P14D	29.3	7	45.9	28.9	37.9	38.4	46.6	65	N	8.2	Y	N	N
E-P14D	33.3	8	47.1	30.4	38.8	39.3	47.8	65	N	8.5	Y	N	N
E-P14D	37.3	9	50.1	32.6	41.0	41.5	50.6	65	N	9.1	Y	N	N
E-P14D	41.3	10	54.5	35.5	45.0	45.4	55.0	65	N	9.6	Y	N	N

Project: 217722-07 Agreement No. CE43/2010 (HY) CKR
 Title: Detailed Calculation of Road Traffic Noise
 Scenario: Mitigated

Assessment Point			WITH PROJECT				Overall Noise Level	Noise Criteria	Exceedance	Check Project	Impact Significance	Check Direct Mitigation	Mitigation Measures
ID	mPD	Floor	CKR [A] dB(A)	D2+D3+D4+T2 dB(A)	EXISTING [C] dB(A)	D2+D3+D4+T2+Existing [D] = [B] + [C] dB(A)	[E] = [A] + [D] dB(A)	Overall > Criteria (Y/N)	[E] - [D] dB(A)	> or = 1dB(A)	CKR > Criteria	Required? (Y/N)	
E-P14E	5.3	1	61.7	58.5	52.9	59.6	63.8	65	N	4.2	Y	N	N
E-P14E	9.3	2	61.7	59.0	52.9	60.0	63.9	65	N	3.9	Y	N	N
E-P14E	13.3	3	61.7	59.3	52.9	60.2	64.0	65	N	3.8	Y	N	N
E-P14E	17.3	4	61.7	59.8	52.9	60.6	64.2	65	N	3.6	Y	N	N
E-P14E	21.3	5	61.7	60.4	52.9	61.1	64.4	65	N	3.3	Y	N	N
E-P14E	25.3	6	61.7	60.8	53.0	61.5	64.6	65	N	3.1	Y	N	N
E-P14E	29.3	7	61.6	61.1	53.1	61.7	64.7	65	N	3.0	Y	N	N
E-P14E	33.3	8	61.7	61.3	53.5	62.0	64.8	65	N	2.8	Y	N	N
E-P14E	37.3	9	61.7	61.6	54.2	62.4	65.1	65	N	2.7	Y	N	N
E-P14E	41.3	10	61.9	61.8	55.6	62.8	65.3	65	N	2.5	Y	N	N
E-P14F	5.3	1	63.8	58.8	15.6	58.8	65.0	65	N	6.2	Y	N	N
E-P14F	9.3	2	63.9	59.1	15.6	59.1	65.1	65	N	6.0	Y	N	N
E-P14F	13.3	3	64.0	59.5	15.6	59.5	65.3	65	N	5.8	Y	N	N
E-P14F	17.3	4	64.1	60.0	15.4	60.0	65.5	65	Y	5.5	Y	N	Y
E-P14F	21.3	5	64.3	60.6	15.4	60.6	65.8	65	Y	5.2	Y	N	Y
E-P14F	25.3	6	64.5	60.9	15.6	60.9	66.1	65	Y	5.2	Y	N	Y
E-P14F	29.3	7	64.8	60.8	15.9	60.8	66.2	65	Y	5.4	Y	N	Y
E-P14F	33.3	8	65.0	61.0	16.1	61.0	66.4	65	Y	5.4	Y	N	Y
E-P14F	37.3	9	65.2	61.2	16.5	61.2	66.7	65	Y	5.5	Y	N	Y
E-P14F	41.3	10	65.5	61.4	17.0	61.4	66.9	65	Y	5.5	Y	Y	Y
E-P14G	5.3	1	47.3	20.6	15.2	21.7	47.3	65	N	25.6	Y	N	N
E-P14G	9.3	2	47.3	20.6	15.2	21.7	47.3	65	N	25.6	Y	N	N
E-P14G	13.3	3	47.3	20.7	14.9	21.7	47.3	65	N	25.6	Y	N	N
E-P14G	17.3	4	47.3	21.0	15.0	21.9	47.3	65	N	25.4	Y	N	N
E-P14G	21.3	5	47.4	22.2	14.9	22.9	47.4	65	N	24.5	Y	N	N
E-P14G	25.3	6	47.6	23.7	15.1	24.2	47.7	65	N	23.5	Y	N	N
E-P14G	29.3	7	47.9	25.3	15.3	25.7	47.9	65	N	22.2	Y	N	N
E-P14G	33.3	8	48.4	27.4	15.4	27.6	48.4	65	N	20.8	Y	N	N
E-P14G	37.3	9	49.2	29.7	15.8	29.9	49.2	65	N	19.3	Y	N	N
E-P14G	41.3	10	50.3	32.5	16.1	32.6	50.4	65	N	17.8	Y	N	N
E-P16	6.2	1	42.4	69.6	50.3	69.6	69.6	70	N	0.0	N	N	N
E-P16	9.2	2	42.7	69.6	50.3	69.6	69.7	70	N	0.1	N	N	N
E-P16	12.2	3	43.0	69.6	50.3	69.7	69.7	70	N	0.0	N	N	N
E-P16	15.2	4	43.4	69.7	50.3	69.7	69.7	70	N	0.0	N	N	N
E-P16	18.2	5	43.8	69.8	50.2	69.8	69.8	70	N	0.0	N	N	N
E-P16	21.2	6	44.2	69.9	50.2	69.9	70.0	70	N	0.1	N	N	N
E-P16	24.2	7	44.7	70.0	50.2	70.0	70.0	70	N	0.0	N	N	N
E-P16	27.2	8	45.2	70.1	50.2	70.1	70.1	70	N	0.0	N	N	N
E-P16	30.2	9	45.7	70.1	50.2	70.2	70.2	70	N	0.0	N	N	N
E-P16	33.2	10	46.2	70.2	50.2	70.2	70.2	70	N	0.0	N	N	N
E-P16	36.2	11	46.7	70.2	50.3	70.2	70.2	70	N	0.0	N	N	N
E-P16	39.2	12	47.3	70.1	50.3	70.2	70.2	70	N	0.0	N	N	N
E-P16	42.2	13	47.8	70.1	50.4	70.2	70.2	70	N	0.0	N	N	N
E-P16	45.2	14	48.3	70.1	50.5	70.1	70.1	70	N	0.0	N	N	N
E-P16	48.2	15	49.1	70.0	50.7	70.0	70.1	70	N	0.1	N	N	N
E-P16	51.2	16	50.0	69.9	51.0	70.0	70.0	70	N	0.0	N	N	N
E-P16	54.2	17	51.0	69.9	51.5	69.9	70.0	70	N	0.1	N	N	N
E-P16	57.2	18	52.1	69.8	52.5	69.9	70.0	70	N	0.1	N	N	N
E-P16	60.2	19	52.9	69.8	53.5	69.9	70.0	70	N	0.1	N	N	N
E-P16	63.2	20	53.6	69.7	54.3	69.9	70.0	70	N	0.1	N	N	N
E-P16	66.2	21	54.4	69.7	55.1	69.8	70.0	70	N	0.2	N	N	N
E-P16	69.2	22	55.3	69.7	55.3	69.8	70.0	70	N	0.2	N	N	N
E-P16	72.2	23	56.5	69.6	55.4	69.8	70.0	70	N	0.2	N	N	N
E-P16	75.2	24	57.2	69.6	55.5	69.7	70.0	70	N	0.3	N	N	N
E-P16	78.2	25	57.8	69.5	55.5	69.7	70.0	70	N	0.3	N	N	N
E-P16	81.2	26	58.3	69.5	55.6	69.7	70.0	70	N	0.3	N	N	N
E-P16	84.2	27	58.9	69.5	55.7	69.6	70.0	70	N	0.4	N	N	N
E-P16	87.2	28	59.2	69.4	55.7	69.6	70.0	70	N	0.4	N	N	N
E-P16	90.2	29	59.5	69.4	55.8	69.6	70.0	70	N	0.4	N	N	N
E-P16	93.2	30	59.8	69.3	55.9	69.5	70.0	70	N	0.5	N	N	N
E-P16	96.2	31	60.1	69.3	56.0	69.5	70.0	70	N	0.5	N	N	N
E-P16	99.2	32	60.3	69.2	56.2	69.5	70.0	70	N	0.5	N	N	N

Project: 217722-07 Agreement No. CE43/2010 (HY) CKR
 Title: Detailed Calculation of Road Traffic Noise
 Scenario: Mitigated

Assessment Point			WITH PROJECT					Noise Criteria	Exceedance Overall > Criteria	Check Project Impact Significance	Check Direct Mitigation	Mitigation Measures Required? (Y/N)	
ID	mPD	Floor	CKR [A] dB(A)	D2+D3+D4+T2 [B] dB(A)	EXISTING [C] dB(A)	D2+D3+D4+T2+Existing [D] = [B] + [C] dB(A)	OVERALL NOISE LEVEL [E] = [A] + [D] dB(A)	dB(A)	(Y/N)	[E] - [D] dB(A)	CKR > Criteria	(Y/N)	
E-P20	5.9	1	63.7	64.3	58.3	65.3	67.6	70	N	2.3	Y	N	N
E-P20	8.9	2	63.8	64.3	58.3	65.3	67.6	70	N	2.3	Y	N	N
E-P20	11.9	3	63.9	64.3	58.3	65.3	67.7	70	N	2.4	Y	N	N
E-P20	14.9	4	63.9	64.3	58.3	65.3	67.7	70	N	2.4	Y	N	N
E-P20	17.9	5	63.9	64.3	58.3	65.3	67.7	70	N	2.4	Y	N	N
E-P20	20.9	6	63.9	64.3	58.4	65.4	67.7	70	N	2.4	Y	N	N
E-P20	23.9	7	63.9	64.4	58.4	65.4	67.7	70	N	2.3	Y	N	N
E-P20	26.9	8	64.0	64.4	58.6	65.4	67.8	70	N	2.4	Y	N	N
E-P20	29.9	9	64.1	64.4	58.8	65.5	67.9	70	N	2.4	Y	N	N
E-P20	32.9	10	65.0	64.6	59.4	65.8	68.4	70	N	2.6	Y	N	N
E-P20	35.9	11	65.4	64.7	59.9	66.0	68.7	70	N	2.7	Y	N	N
E-P20	38.9	12	65.5	64.9	60.3	66.2	68.9	70	N	2.7	Y	N	N
E-P20	41.9	13	65.6	65.2	60.5	66.5	69.1	70	N	2.6	Y	N	N
E-P20	44.9	14	65.6	65.5	60.7	66.8	69.2	70	N	2.4	Y	N	N
E-P20	47.9	15	65.6	65.8	60.8	67.0	69.4	70	N	2.4	Y	N	N
E-P20	50.9	16	65.6	66.1	60.8	67.2	69.5	70	N	2.3	Y	N	N
E-P20	53.9	17	65.6	66.4	60.8	67.5	69.6	70	N	2.1	Y	N	N
E-P20	56.9	18	65.6	66.7	60.9	67.7	69.8	70	N	2.1	Y	N	N
E-P20	59.9	19	65.6	66.8	61.0	67.8	69.9	70	N	2.1	Y	N	N
E-P20	62.9	20	65.6	67.0	61.0	68.0	70.0	70	N	2.0	Y	N	N
E-P20	65.9	21	65.6	67.2	61.1	68.1	70.0	70	N	1.9	Y	N	N
E-P20	68.9	22	65.6	67.3	61.1	68.2	70.1	70	N	1.9	Y	N	N
E-P20	71.9	23	65.6	67.4	61.2	68.3	70.2	70	N	1.9	Y	N	N
E-P20	74.9	24	65.5	67.4	61.2	68.3	70.2	70	N	1.9	Y	N	N
E-P20	77.9	25	65.5	67.5	61.3	68.4	70.2	70	N	1.8	Y	N	N
E-P20	80.9	26	65.5	67.6	61.3	68.5	70.3	70	N	1.8	Y	N	N
E-P20	83.9	27	65.5	67.6	61.4	68.5	70.3	70	N	1.8	Y	N	N
E-P20	86.9	28	65.5	67.6	61.4	68.6	70.3	70	N	1.7	Y	N	N
E-P20	89.9	29	65.5	67.6	61.5	68.6	70.3	70	N	1.7	Y	N	N
E-P20	92.9	30	65.5	67.6	61.6	68.6	70.3	70	N	1.7	Y	N	N
E-P20	95.9	31	65.5	67.6	61.6	68.6	70.3	70	N	1.7	Y	N	N
E-P20	98.9	32	65.5	67.6	61.7	68.6	70.3	70	N	1.7	Y	N	N

Note: CKR include CKR main road and slip roads and re-aligned Kai Fuk Road