Appendix 5.15

Predicted Road Traffic Noise
(West Portion) (Mitigated)

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT													
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N1A	10.3	1	41.9	18.2	63.5	63.5	27.6	72.6	72.6	73.1	65	Y	0.5	N	N	N
W-N1A	13.3	2	41.9	18.7	63.4	63.4	28.6	72.6	72.6	73.1	65	Y	0.5	N	N	N
W-N1A	16.3	3	42.3	19.3	63.2	63.3	29.9	72.4	72.4	72.9	65	Y	0.5	N	N	N
W-N1A	19.3	4	43.0	20.0	63.1	63.1	31.3	72.2	72.2	72.8	65	Y	0.6	N	N	N
W-N1A	22.3	5	44.1	20.6	62.9	62.9	32.9	72.0	72.0	72.6	65	Y	0.6	N	N	N
W-N1A	25.3	6	45.3	21.1	62.7	62.8	34.6	71.9	71.9	72.3	65	Y	0.4	N	N	N
W-N1A	28.3	7	46.6	21.5	62.5	62.7	36.7	71.6	71.6	72.2	65	Y	0.6	N	N	N
W-N1A	31.3	8	48.0	22.0	62.4	62.6	38.9	71.4	71.4	71.9	65	Y	0.5	N	N	N
W-N1B	10.3	1	42.0	17.7	60.2	60.2	21.9	67.1	67.1	67.9	65	Y	0.8	N	N	N
W-N1B	13.3	2	42.4	18.2	60.1	60.2	22.0	67.1	67.1	67.9	65	Y	0.8	N	N	N
W-N1B	16.3	3	42.9	18.7	60.0	60.1	22.1	67.0	67.0	67.9	65	Y	0.9	N	N	N
W-N1B	19.3	4	43.6	19.3	60.0	60.1	22.7	67.0	67.0	67.8	65	Y	0.8	N	N	N
W-N1B	22.3	5	44.4	20.1	59.9	60.1	23.8	66.9	66.9	67.8	65	Y	0.9	N	N	N
W-N1B	25.3	6	45.4	20.5	59.8	60.0	25.5	66.9	66.9	67.7	65	Y	0.8	N	N	N
W-N1B	28.3	7	46.3	20.9	59.7	59.9	27.4	66.8	66.8	67.6	65	Y	0.8	N	N	N
W-N1B	31.3	8	47.2	21.4	59.6	59.9	29.4	66.8	66.8	67.6	65	Y	0.8	N	N	N
W-N2	9.9	1	50.9	0.0	49.5	53.3	33.2	71.3	71.3	71.4	70	Y	0.1	N	N	N
W-N2	12.7	2	51.4	0.0	49.7	53.7	34.1	71.2	71.2	71.2	70	Y	0.0	N	N	N
W-N2	15.5	3	51.7	0.0	49.9	53.9	35.0	71.0	71.0	71.0	70	Y	0.0	N	N	N
W-N2	18.3	4	52.1	0.0	50.2	54.3	36.0	70.8	70.8	71.0	70	Y	0.2	N	N	N
W-N2	21.1	5	52.6	0.0	50.4	54.6	37.0	70.6	70.6	70.8	70	Y	0.2	N	N	N
W-N2	23.9	6	53.1	0.0	50.7	55.0	38.1	70.6	70.6	70.6	70	Y	0.0	N	N	N
W-N2	26.7	7	53.4	0.0	51.0	55.4	39.3	70.4	70.4	70.6	70	Y	0.2	N	N	N
W-N2	29.5	8	53.8	0.0	51.5	55.8	40.8	70.3	70.3	70.5	70	Y	0.2	N	N	N
W-N2	32.3	9	54.2	0.0	51.9	56.2	42.4	70.2	70.2	70.3	70	N	0.1	N	N	N
W-N2	35.1	10	54.5	0.0	52.3	56.6	44.3	70.1	70.1	70.3	70	N	0.2	N	N	N
W-N2	37.9	11	54.8	0.0	52.8	56.9	46.4	70.0	70.0	70.2	70	N	0.2	N	N	N
W-N2	40.7	12	55.2	0.0	53.5	57.4	48.6	69.9	69.9	70.2	70	N	0.3	N	N	N
W-N2	43.5	13	55.5	0.0	54.3	58.0	50.6	69.7	69.8	70.1	70	N	0.3	N	N	N
W-N2	46.3	14	55.9	0.0	55.0	58.5	52.0	69.7	69.7	70.1	70	N	0.4	N	N	N
W-N2	49.1	15	56.4	0.0	55.6	59.0	52.6	69.6	69.7	70.0	70	N	0.3	N	N	N
W-N2	51.9	16	57.0	0.0	56.1	59.6	52.9	69.5	69.6	70.0	70	N	0.4	N	N	N
W-N2	54.7	17	57.5	0.0	56.4	60.0	53.1	69.4	69.5	70.0	70	N	0.5	N	N	N
W-N2	57.5	18	58.1	0.0	56.8	60.5	53.1	69.4	69.5	70.1	70	N	0.6	N	N	N
W-N2	60.3	19	58.5	0.0	57.0	60.9	53.1	69.3	69.4	70.0	70	N	0.6	N	N	N
W-N2	63.1	20	59.0	0.0	57.3	61.3	53.1	69.3	69.4	70.0	70	N	0.6	N	N	N
W-N2	65.9	21	59.3	0.0	57.5	61.5	53.1	69.3	69.3	70.1	70	N	0.8	N	N	N
W-N2	68.7	22	59.6	0.0	57.6	61.7	53.1	69.3	69.3	70.0	70	N	0.7	N	N	N
W-N2	71.5	23	59.7	0.0	57.8	61.9	53.1	69.3	69.3	70.1	70	N	0.8	N	N	N
W-N3	8.9	1	40.9	48.9	51.0	53.3	22.2	73.4	73.4	73.5	65	Y	0.1	N	N	N
W-N3	12.4	2	42.0	51.0	58.7	59.4	22.3	75.1	75.1	75.3	65	Y	0.2	N	N	N
W-N3	15.9	3	43.0	52.9	59.4	60.4	22.3	76.3	76.3	76.4	65	Y	0.1	N	N	N
W-N3	19.4	4	44.2	54.9	59.4	60.8	22.3	76.6	76.6	76.7	65	Y	0.1	N	N	N
W-N3	22.9	5	45.7	56.8	59.4	61.4	22.3	76.9	76.9	77.0	65	Y	0.1	N	N	N
W-N3	26.4	6	47.9	58.7	59.4	62.2	22.3	77.1	77.1	77.2	65	Y	0.1	N	N	N
W-N3	29.9	7	50.1	60.2	59.4	63.0	22.3	77.1	77.1	77.3	65	Y	0.2	N	N	N
W-N6	8.0	1	44.1	48.7	37.2	50.2	56.3	71.7	71.8	71.9	70	Y	0.1	N	N	N
W-N6	11.0	2	44.4	48.9	37.4	50.4	56.3	71.5	71.6	71.8	70	Y	0.2	N	N	N
W-N6	14.0	3	44.8	49.2	37.7	50.7	56.3	71.3	71.4	71.5	70	Y	0.1	N	N	N
W-N6	17.0	4	45.1	49.5	37.9	51.0	56.3	71.0	71.2	71.3	70	Y	0.1	N	N	N
W-N6	20.0	5	45.6	49.7	38.3	51.4	56.3	70.9	71.0	71.1	70	Y	0.1	N	N	N
W-N6	23.0	6	46.1	50.0	38.5	51.7	56.3	70.8	70.9	71.0	70	Y	0.1	N	N	N
W-N6	26.0	7	46.6	50.3	39.0	52.1	56.3	70.7	70.8	70.8	70	Y	0.0	N	N	N
W-N6	29.0	8	47.1	50.7	39.1	52.5	56.3	70.5	70.7	70.7	70	Y	0.0	N	N	N
W-N6	32.0	9	47.7	51.1	39.0	52.9	56.2	70.4	70.6	70.6	70	Y	0.0	N	N	N
W-N6	35.0	10	48.3	51.4	39.0	53.3	56.2	70.3	70.5	70.5	70	Y	0.0	N	N	N
W-N6	38.0	11	49.0	51.7	39.0	53.7	56.2	70.3	70.5	70.6	70	Y	0.1	N	N	N
W-N6	41.0	12	50.0	52.1	39.3	54.3	56.2	70.3	70.4	70.6	70	Y	0.2	N	N	N
W-N6	44.0	13	51.1	52.7	39.4	55.1	56.2	70.2	70.3	70.5	70	Y	0.2	N	N	N
W-N6	47.0	14	52.3	53.0	39.5	55.8	56.1	70.1	70.2	70.4	70	N	0.2	N	N	N
W-N6	50.0	15	53.3	53.3	39.8	56.4	56.1	70.0	70.2	70.4	70	N	0.2	N	N	N
W-N6	53.0	16	54.2	53.8	40.0	57.1	56.1	70.0	70.1	70.4	70	N	0.3	N	N	N
W-N6	56.0	17	54.9	54.3	40.3	57.7	56.0	69.9	70.1	70.3	70	N	0.2	N	N	N
W-N6	59.0	18	55.3	54.7	40.6	58.1	56.0	69.8	70.0	70.2	70	N	0.2	N	N	N
W-N6A	8.0	1	37.4	49.5	21.9	49.8	51.4	76.8	76.9	76.9	70	Y	0.0	N	N	N
W-N6A	11.0	2	37.7	49.9	22.0	50.1	51.4	76.3	76.3	76.3	70	Y	0.0	N	N	N
W-N6A	14.0	3	38.0	50.1	22.1	50.4	51.4	75.8	75.8	75.8	70	Y	0.0	N	N	N
W-N6A	17.0	4	38.3	50.5	22.2	50.8	51.4	75.3	75.3	75.3	70	Y	0.0	N	N	N
W-N6A	20.0	5	38.7	50.9	22.3	51.1	51.4	74.9	74.9	74.9	70	Y	0.0	N	N	N
W-N6A	23.0	6	39.2	51.3	22.4	51.5	51.4	74.5	74.5	74.5	70	Y	0.0	N	N	N
W-N6A	26.0	7	39.5	51.7	22.6	52.0	51.4	74.2	74.2	74.3	70	Y	0.1	N	N	N
W-N6A	29.0	8	39.9	52.1	22.7	52.4	51.4	73.9	73.9	74.0	70	Y	0.1	N	N	N
W-N6A	32.0	9	40.4	52.5	22.9	52.8	51.3	73.7	73.7	73.8	70	Y	0.1	N	N	N
W-N6A	35.0	10	40.8	53.0	23.1	53.2	51.3	73.5	73.5	73.5	70	Y	0.0	N	N	N
W-N6A	38.0	11	41.3	53.6	23.3	53.8	51.3	73.3	73.3	73.4	70	Y	0.1	N	N	N
W-N6A	41.0	12	41.6	54.0	23.5	54.3	51.3	73.1	73.1	73.2	70	Y	0.1	N	N	N
W-N6A	44.0	13	42.1	54.6	23.9	54.9	51.3	72.9	73.0	73.0	70	Y	0.0	N	N	N
W-N6A	47.0	14	42.7	55.2	24.2	55.4	51.3	72.7	72.8	72.9	70	Y	0.1	N	N	N
W-N6A	50.0	15	43.6	55.7	24.5	56.0	51.3	72.6	72.6	72.7	70	Y	0.1	N	N	N
W-N6A	53.0	16	44.0	56.2	24.9	56.4	51.3	72.4	72.5	72.6	70	Y	0.1	N	N	N
W-N6A	56.0	17	44.7	56.9	25.3	57.1	51.3	72.4	72.4	72.5	70	Y	0.1	N	N	N
W-N6A	59.0	18	45.4	57.3	25.7	57.5	51.3	72.2	72.3	72.4	70	Y	0.1	N	N	N

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Assessment Point			WITH PROJECT												
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N7	20.5	1	36.1	46.4	11.9	46.8	0.0	76.0	76.0	76.0	70	Y	0.0	N	N	N
W-N7	23.3	2	36.7	48.3	12.8	48.6	0.0	75.6	75.6	75.7	70	Y	0.1	N	N	N
W-N7	26.1	3	37.3	50.6	13.4	50.8	0.0	75.3	75.3	75.3	70	Y	0.0	N	N	N
W-N7	28.9	4	37.9	52.8	14.2	52.9	0.0	75.0	75.0	75.0	70	Y	0.0	N	N	N
W-N7	31.7	5	38.6	54.4	15.0	54.5	0.0	74.8	74.8	74.8	70	Y	0.0	N	N	N
W-N7	34.5	6	39.3	55.8	15.8	55.9	0.0	74.5	74.5	74.6	70	Y	0.1	N	N	N
W-N7	37.3	7	40.1	56.8	16.8	56.9	0.0	74.2	74.2	74.3	70	Y	0.1	N	N	N
W-N7	40.1	8	40.9	57.6	17.8	57.7	0.0	74.1	74.1	74.1	70	Y	0.0	N	N	N
W-N7	42.9	9	41.9	58.2	18.9	58.3	0.0	73.9	73.9	74.0	70	Y	0.1	N	N	N
W-N7	45.7	10	43.0	58.7	20.1	58.8	0.0	73.8	73.8	73.9	70	Y	0.1	N	N	N
W-N7	48.5	11	44.1	59.2	21.4	59.3	0.0	73.6	73.6	73.7	70	Y	0.1	N	N	N
W-N7	51.3	12	45.2	59.6	23.0	59.8	0.0	73.4	73.4	73.6	70	Y	0.2	N	N	N
W-N8	8.5	1	36.8	44.7	28.3	45.5	0.0	78.6	78.6	78.6	70	Y	0.0	N	N	N
W-N8	11.3	2	37.2	46.3	28.9	46.9	0.0	78.0	78.0	78.0	70	Y	0.0	N	N	N
W-N8	14.1	3	37.5	48.3	29.7	48.7	0.0	77.4	77.4	77.4	70	Y	0.0	N	N	N
W-N8	16.9	4	38.0	50.8	30.4	51.1	0.0	76.8	76.8	76.8	70	Y	0.0	N	N	N
W-N8	19.7	5	38.4	53.9	31.3	54.0	0.0	76.3	76.3	76.3	70	Y	0.0	N	N	N
W-N8	22.5	6	38.8	57.4	32.1	57.5	0.0	75.9	75.9	76.0	70	Y	0.1	N	N	N
W-N8	25.3	7	39.3	60.3	32.5	60.3	0.0	75.4	75.4	75.5	70	Y	0.1	N	N	N
W-N8	28.1	8	39.8	62.2	32.9	62.2	0.0	75.0	75.0	75.2	70	Y	0.2	N	N	N
W-N8	30.9	9	40.5	63.6	33.2	63.6	0.0	74.7	74.7	75.1	70	Y	0.4	N	N	N
W-N8	33.7	10	41.1	64.3	33.5	64.3	0.0	74.3	74.3	74.7	70	Y	0.4	N	N	N
W-N8	36.5	11	41.8	64.7	34.0	64.7	0.0	74.0	74.0	74.5	70	Y	0.5	N	N	N
W-N8	39.3	12	42.7	64.8	34.4	64.8	0.0	73.8	73.8	74.4	70	Y	0.6	N	N	N
W-N8	42.1	13	43.8	65.0	34.8	65.0	0.0	73.5	73.5	74.1	70	Y	0.6	N	N	N
W-N8	44.9	14	44.8	65.0	35.5	65.1	0.0	73.3	73.3	73.9	70	Y	0.6	N	N	N
W-N8	47.7	15	46.5	65.0	36.0	65.1	0.0	73.1	73.1	73.8	70	Y	0.7	N	N	N
W-N8	50.5	16	47.0	65.0	36.2	65.1	0.0	72.8	72.8	73.5	70	Y	0.7	N	N	N
W-N8	53.3	17	48.3	64.9	36.6	65.0	0.0	72.7	72.7	73.4	70	Y	0.7	N	N	N
W-N8	56.1	18	49.1	64.8	36.7	64.9	0.0	72.5	72.5	73.2	70	Y	0.7	N	N	N
W-N8A	8.5	1	36.4	42.5	28.1	43.6	0.0	79.7	79.7	79.7	70	Y	0.0	N	N	N
W-N8A	11.3	2	36.8	44.1	28.8	45.0	0.0	79.1	79.1	79.1	70	Y	0.0	N	N	N
W-N8A	14.1	3	37.2	46.0	29.6	46.7	0.0	78.4	78.4	78.4	70	Y	0.0	N	N	N
W-N8A	16.9	4	37.6	48.2	30.3	48.6	0.0	77.7	77.7	77.7	70	Y	0.0	N	N	N
W-N8A	19.7	5	38.1	50.5	31.2	50.8	0.0	77.2	77.2	77.2	70	Y	0.0	N	N	N
W-N8A	22.5	6	38.6	53.5	32.0	53.7	0.0	76.7	76.7	76.8	70	Y	0.1	N	N	N
W-N8A	25.3	7	39.2	57.3	32.3	57.4	0.0	76.4	76.4	76.4	70	Y	0.0	N	N	N
W-N8A	28.1	8	39.8	59.8	32.7	59.9	0.0	76.0	76.0	76.1	70	Y	0.1	N	N	N
W-N8A	30.9	9	40.5	61.8	33.0	61.8	0.0	75.6	75.6	75.8	70	Y	0.2	N	N	N
W-N8A	33.7	10	41.1	63.0	33.2	63.0	0.0	75.3	75.3	75.6	70	Y	0.3	N	N	N
W-N8A	36.5	11	42.0	63.7	33.7	63.7	0.0	75.0	75.0	75.3	70	Y	0.3	N	N	N
W-N8A	39.3	12	42.8	64.0	34.1	64.0	0.0	74.8	74.8	75.2	70	Y	0.4	N	N	N
W-N8A	42.1	13	44.0	64.1	34.5	64.2	0.0	74.7	74.7	75.0	70	Y	0.3	N	N	N
W-N8A	44.9	14	44.9	64.2	35.1	64.3	0.0	74.4	74.4	74.8	70	Y	0.4	N	N	N
W-N8A	47.7	15	46.5	64.2	35.7	64.3	0.0	74.2	74.2	74.6	70	Y	0.4	N	N	N
W-N8A	50.5	16	47.2	64.2	36.0	64.3	0.0	74.0	74.0	74.4	70	Y	0.4	N	N	N
W-N8A	53.3	17	48.3	64.2	36.4	64.3	0.0	73.8	73.8	74.3	70	Y	0.5	N	N	N
W-N8A	56.1	18	49.2	64.2	36.5	64.3	0.0	73.6	73.6	74.1	70	Y	0.5	N	N	N
W-N9A	9.4	1	24.8	39.2	23.9	39.4	0.0	73.9	73.9	73.9	55	Y	0.0	N	N	N
W-N9A	12.4	2	25.0	40.0	26.7	40.3	0.0	73.7	73.7	73.7	55	Y	0.0	N	N	N
W-N9A	15.4	3	25.1	40.5	29.6	41.0	0.0	73.6	73.6	73.6	55	Y	0.0	N	N	N
W-N9A	18.4	4	25.1	41.0	31.1	41.6	0.0	73.4	73.4	73.4	55	Y	0.0	N	N	N
W-N9A	21.4	5	25.2	41.5	32.4	42.1	0.0	73.3	73.3	73.3	55	Y	0.0	N	N	N
W-N9A	24.4	6	25.3	42.1	33.4	42.8	0.0	73.2	73.2	73.2	55	Y	0.0	N	N	N
W-N9A	27.4	7	25.4	42.5	34.4	43.2	0.0	73.0	73.0	73.0	55	Y	0.0	N	N	N
W-N9A	30.4	8	25.4	43.1	34.8	43.8	0.0	72.8	72.8	72.8	55	Y	0.0	N	N	N
W-N9A	33.4	9	25.5	43.7	35.1	44.3	0.0	72.7	72.7	72.7	55	Y	0.0	N	N	N
W-N9A	36.4	10	25.5	44.3	35.4	44.9	0.0	72.5	72.5	72.5	55	Y	0.0	N	N	N
W-N9B	9.4	1	0.0	40.5	0.0	40.5	0.0	69.9	69.9	69.9	55	Y	0.0	N	N	N
W-N9B	12.4	2	0.0	41.8	0.0	41.8	0.0	69.9	69.9	69.9	55	Y	0.0	N	N	N
W-N9B	15.4	3	0.0	43.2	0.0	43.2	0.0	69.8	69.8	69.8	55	Y	0.0	N	N	N
W-N9B	18.4	4	0.0	44.7	0.0	44.7	0.0	69.8	69.8	69.8	55	Y	0.0	N	N	N
W-N9B	21.4	5	0.0	46.5	0.0	46.5	0.0	69.8	69.8	69.8	55	Y	0.0	N	N	N
W-N9B	24.4	6	0.0	48.1	0.0	48.1	0.0	69.8	69.8	69.9	55	Y	0.1	N	N	N
W-N9B	27.4	7	0.0	49.9	0.0	49.9	0.0	69.8	69.8	69.8	55	Y	0.0	N	N	N
W-N9B	30.4	8	0.0	51.8	0.0	51.8	0.0	69.9	69.9	70.0	55	Y	0.1	N	N	N
W-N9B	33.4	9	0.0	54.2	0.0	54.2	0.0	70.0	70.0	70.1	55	Y	0.1	N	N	N
W-N9B	36.4	10	0.0	55.3	0.0	55.3	0.0	70.1	70.1	70.2	55	Y	0.1	N	N	N
W-N10A	10.2	1	13.5	39.2	0.0	39.2	0.0	69.9	69.9	69.9	70	N	0.0	N	N	N
W-N10A	13.0	2	13.0	40.5	0.0	40.5	0.0	69.9	69.9	69.9	70	N	0.0	N	N	N
W-N10A	15.8	3	12.5	42.0	0.0	42.0	0.0	69.9	69.9	69.9	70	N	0.0	N	N	N
W-N10A	18.6	4	11.9	43.6	0.0	43.6	0.0	69.9	69.9	69.9	70	N	0.0	N	N	N
W-N10A	21.4	5	11.3	45.1	0.0	45.1	0.0	69.8	69.8	69.8	70	N	0.0	N	N	N
W-N10A	24.2	6	10.6	46.8	0.0	46.8	0.0	69.8	69.8	69.8	70	N	0.0	N	N	N
W-N10A	27.0	7	0.0	48.5	0.0	48.5	0.0	69.7	69.7	69.7	70	N	0.0	N	N	N
W-N10A	29.8	8	0.0	50.3	0.0	50.3	0.0	69.7	69.7	69.8	70	N	0.1	N	N	N
W-N10A	32.6	9	0.0	51.0	0.0	51.0	0.0	69.6	69.6	69.7	70	N	0.1	N	N	N
W-N10A	35.4	10	0.0	51.3	0.0	51.3	0.0	69.5	69.5	69.6	70	N	0.1	N	N	N
W-N10A	38.2	11	0.0	51.7	0.0	51.7	0.0	69.5	69.5	69.6	70	N	0.1	N	N	N
W-N10A	41.0	12	0.0	52.1	0.0	52.1	0.0	69.4	69.4	69.5	70	N	0.1	N	N	N
W-N10A	43.8	13	0.0	52.5	0.0	52.5	0.0	69.3	69.3	69.4	70	N	0.1	N	N	N
W-N10A	46.6	14	0.0	53.1	0.0	53.1	0.0	69.3	69.3	69.4	70	N	0.1	N	N	N
W-N10A	49.4	15	0.0	53.5	0.0	53.5	0.0	69.2	69.2	69.3	70	N	0.1	N	N	N

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT												
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N10C	10.2	1	13.4	38.5	0.0	38.5	0.0	74.6	74.6	74.6	70	Y	0.0	N	N	N
W-N10C	13.0	2	13.1	39.9	0.0	39.9	0.0	75.0	75.0	75.0	70	Y	0.0	N	N	N
W-N10C	15.8	3	12.6	41.5	0.0	41.5	0.0	76.4	76.4	76.4	70	Y	0.0	N	N	N
W-N10C	18.6	4	12.1	43.2	0.0	43.2	0.0	78.7	78.7	78.7	70	Y	0.0	N	N	N
W-N10C	21.4	5	11.5	44.9	0.0	44.9	0.0	79.3	79.3	79.3	70	Y	0.0	N	N	N
W-N10C	24.2	6	10.8	46.8	0.0	46.8	0.0	79.2	79.2	79.2	70	Y	0.0	N	N	N
W-N10C	27.0	7	10.3	49.0	0.0	49.0	0.0	79.0	79.0	79.0	70	Y	0.0	N	N	N
W-N10C	29.8	8	10.0	50.2	0.0	50.2	0.0	78.9	78.9	78.9	70	Y	0.0	N	N	N
W-N10C	32.6	9	0.0	50.7	0.0	50.7	0.0	78.6	78.6	78.6	70	Y	0.0	N	N	N
W-N10C	35.4	10	0.0	51.1	0.0	51.1	0.0	78.4	78.4	78.4	70	Y	0.0	N	N	N
W-N10C	38.2	11	0.0	51.4	0.0	51.4	0.0	78.2	78.2	78.2	70	Y	0.0	N	N	N
W-N10C	41.0	12	0.0	51.7	0.0	51.7	0.0	78.0	78.0	78.0	70	Y	0.0	N	N	N
W-N10C	43.8	13	0.0	52.1	0.0	52.1	0.0	77.7	77.7	77.7	70	Y	0.0	N	N	N
W-N10C	46.6	14	0.0	52.6	0.0	52.6	0.0	77.4	77.4	77.4	70	Y	0.0	N	N	N
W-N10C	49.4	15	0.0	53.0	0.0	53.0	0.0	77.2	77.2	77.2	70	Y	0.0	N	N	N
W-N11	14.1	1	52.5	33.0	72.1	72.1	37.6	77.0	77.0	78.2	65	Y	1.2	Y	Y	Y
W-N11	18.1	2	53.2	34.0	72.0	72.0	39.4	77.0	77.0	78.2	65	Y	1.2	Y	Y	Y
W-N11	22.1	3	54.0	34.9	71.9	72.0	41.3	76.7	76.7	77.9	65	Y	1.2	Y	Y	Y
W-N11	26.1	4	54.8	35.9	71.8	71.9	43.8	76.4	76.4	77.7	65	Y	1.3	Y	Y	Y
W-N11	30.1	5	55.4	36.9	71.6	71.8	46.8	76.1	76.1	77.4	65	Y	1.3	Y	Y	Y
W-N11	34.1	6	56.4	38.1	71.5	71.6	50.3	75.7	75.7	77.2	65	Y	1.5	Y	Y	Y
W-N11	38.1	7	57.5	39.3	71.4	71.6	53.4	75.5	75.5	77.0	65	Y	1.5	Y	Y	Y
W-N11	42.1	8	58.8	40.8	71.3	71.6	54.6	75.3	75.3	76.8	65	Y	1.5	Y	Y	Y
W-N11	46.1	9	59.7	42.7	71.2	71.5	55.0	75.0	75.0	76.6	65	Y	1.6	Y	Y	Y
W-N11	50.1	10	60.6	44.9	71.0	71.4	55.1	74.8	74.9	76.4	65	Y	1.5	Y	Y	Y
W-N11	54.1	11	61.2	47.0	70.8	71.3	55.1	74.6	74.6	76.3	65	Y	1.7	Y	Y	Y
W-N11	58.1	12	61.5	48.5	70.8	71.2	55.1	74.4	74.4	76.1	65	Y	1.7	Y	Y	Y
W-N11	62.1	13	61.9	49.5	70.6	71.2	55.1	74.2	74.3	76.0	65	Y	1.7	Y	Y	Y
W-N11	66.1	14	62.2	50.1	70.4	71.1	55.1	74.0	74.1	75.8	65	Y	1.7	Y	Y	Y
W-N11	70.1	15	62.6	50.4	70.2	71.0	55.0	73.9	73.9	75.8	65	Y	1.9	Y	Y	Y
W-N11	74.1	16	63.1	50.6	70.1	70.9	55.0	73.7	73.8	75.6	65	Y	1.8	Y	Y	Y
W-N11	78.1	17	63.5	50.7	70.0	70.8	54.9	73.6	73.6	75.5	65	Y	1.9	Y	Y	Y
W-N11	82.1	18	64.0	50.8	69.8	70.9	54.9	73.4	73.5	75.4	65	Y	1.9	Y	Y	Y
W-N11	86.1	19	64.5	50.9	69.7	70.9	54.8	73.3	73.4	75.3	65	Y	1.9	Y	Y	Y
W-N14	10.3	1	62.6	0.0	0.0	62.6	48.8	77.1	77.1	77.3	70	Y	0.2	N	N	N
W-N14	13.1	2	62.6	0.0	0.0	62.6	48.8	77.0	77.1	77.2	70	Y	0.1	N	N	N
W-N14	15.9	3	62.6	0.0	0.0	62.6	48.8	76.9	76.9	77.1	70	Y	0.2	N	N	N
W-N14	18.7	4	62.6	0.0	0.0	62.6	48.8	76.8	76.8	76.9	70	Y	0.1	N	N	N
W-N14	21.5	5	62.6	0.0	0.0	62.6	48.8	76.6	76.6	76.8	70	Y	0.2	N	N	N
W-N14	24.3	6	62.6	0.0	0.0	62.6	48.9	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	27.1	7	62.5	0.0	0.0	62.5	48.9	76.4	76.4	76.6	70	Y	0.2	N	N	N
W-N14	29.9	8	62.5	0.0	0.0	62.5	49.0	76.4	76.4	76.6	70	Y	0.2	N	N	N
W-N14	32.7	9	62.5	0.0	0.0	62.5	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	35.5	10	62.5	0.0	0.0	62.5	49.1	76.6	76.6	76.8	70	Y	0.2	N	N	N
W-N14	38.3	11	62.5	0.0	0.0	62.5	49.1	76.6	76.6	76.8	70	Y	0.2	N	N	N
W-N14	41.1	12	62.5	0.0	0.0	62.5	49.1	76.6	76.6	76.8	70	Y	0.2	N	N	N
W-N14	43.9	13	62.4	0.0	0.0	62.4	49.0	76.6	76.6	76.7	70	Y	0.1	N	N	N
W-N14	46.7	14	62.4	0.0	0.0	62.4	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	49.5	15	62.3	0.0	0.0	62.3	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	52.3	16	62.4	0.0	0.0	62.4	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	55.1	17	62.3	0.0	0.0	62.3	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	57.9	18	62.3	0.0	0.0	62.3	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	60.7	19	62.3	0.0	0.0	62.3	49.0	76.5	76.5	76.7	70	Y	0.2	N	N	N
W-N14	63.5	20	62.3	0.0	0.0	62.3	49.0	76.6	76.6	76.7	70	Y	0.1	N	N	N
W-N14	66.3	21	62.3	0.0	0.0	62.3	49.0	76.6	76.6	76.8	70	Y	0.2	N	N	N
W-N14	69.1	22	62.2	0.0	0.0	62.2	49.0	76.6	76.6	76.8	70	Y	0.2	N	N	N
W-N15	10.3	1	56.5	0.0	0.0	56.5	46.0	73.1	73.1	73.2	65	Y	0.1	N	N	N
W-N15	13.3	2	56.5	0.0	0.0	56.5	46.0	73.1	73.1	73.2	65	Y	0.1	N	N	N
W-N15	16.3	3	56.5	0.0	0.0	56.5	46.0	73.1	73.1	73.2	65	Y	0.1	N	N	N
W-N15	19.3	4	56.5	0.0	0.0	56.5	46.0	73.0	73.1	73.2	65	Y	0.1	N	N	N
W-N15	22.3	5	56.5	0.0	0.0	56.5	46.0	73.0	73.0	73.1	65	Y	0.1	N	N	N
W-N15	25.3	6	56.6	0.0	0.0	56.6	46.0	73.0	73.0	73.1	65	Y	0.1	N	N	N
W-N15	28.3	7	56.6	0.0	0.0	56.6	46.0	73.0	73.0	73.1	65	Y	0.1	N	N	N
W-N15	31.3	8	56.6	0.0	0.0	56.6	46.0	73.0	73.0	73.1	65	Y	0.1	N	N	N
W-N18	20.8	1	33.9	45.1	11.5	45.4	0.0	75.7	75.7	75.7	70	Y	0.0	N	N	N
W-N18	23.6	2	34.2	46.7	12.1	46.9	0.0	75.3	75.3	75.3	70	Y	0.0	N	N	N
W-N18	26.4	3	34.6	48.3	12.9	48.5	0.0	74.8	74.8	74.8	70	Y	0.0	N	N	N
W-N18	29.2	4	35.1	49.9	13.5	50.0	0.0	74.5	74.5	74.5	70	Y	0.0	N	N	N
W-N18	32.0	5	35.6	51.2	14.1	51.3	0.0	74.1	74.1	74.2	70	Y	0.1	N	N	N
W-N18	34.8	6	36.2	52.3	14.9	52.4	0.0	73.9	73.9	73.9	70	Y	0.0	N	N	N
W-N18	37.6	7	36.7	53.5	15.6	53.6	0.0	73.7	73.7	73.7	70	Y	0.0	N	N	N
W-N18	40.4	8	37.4	54.3	16.4	54.4	0.0	73.4	73.4	73.5	70	Y	0.1	N	N	N
W-N18	43.2	9	38.1	55.1	17.4	55.2	0.0	73.2	73.2	73.3	70	Y	0.1	N	N	N
W-N18	46.0	10	38.9	55.8	18.3	55.9	0.0	73.0	73.0	73.1	70	Y	0.1	N	N	N
W-N18	48.8	11	40.1	56.3	19.3	56.4	0.0	72.9	72.9	73.0	70	Y	0.1	N	N	N
W-N18	51.6	12	41.0	56.7	20.3	56.8	0.0	72.8	72.8	72.9	70	Y	0.1	N	N	N
W-N18	54.4	13	42.2	57.1	21.8	57.2	0.0	72.6	72.6	72.7	70	Y	0.1	N	N	N
W-N18	57.2	14	43.4	57.4	22.8	57.6	0.0	72.5	72.5	72.7	70	Y	0.2	N	N	N
W-N18	60.0	15	44.1	57.6	23.9	57.8	0.0	72.3	72.3	72.5	70	Y	0.2	N	N	N
W-N18	62.8	16	44.6	57.8	25.0	58.0	0.0	72.3	72.3	72.4	70	Y	0.1	N	N	N
W-N18	65.6	17	44.9	57.9	25.9	58.1	0.0	72.1	72.1	72.3	70	Y	0.2	N	N	N

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Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT												
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N19	16.9	1	14.6	60.9	0.0	60.9	0.0	78.7	78.7	78.8	65	Y	0.1	N	N	N
W-N19	20.9	2	14.5	62.6	0.0	62.6	0.0	80.5	80.5	80.6	65	Y	0.1	N	N	N
W-N19	24.9	3	14.5	62.8	0.0	62.8	0.0	80.8	80.8	80.9	65	Y	0.1	N	N	N
W-N19	28.9	4	14.4	63.1	0.0	63.1	0.0	80.7	80.7	80.7	65	Y	0.0	N	N	N
W-N19	32.9	5	14.2	62.8	0.0	62.8	0.0	80.4	80.4	80.5	65	Y	0.1	N	N	N
W-N19	36.9	6	14.1	62.3	0.0	62.3	0.0	80.0	80.0	80.1	65	Y	0.1	N	N	N
W-N20	11.2	1	20.9	50.3	0.0	50.3	0.0	80.2	80.2	80.2	70	Y	0.0	N	N	N
W-N20	14.0	2	20.9	50.9	0.0	50.9	0.0	80.0	80.0	80.0	70	Y	0.0	N	N	N
W-N20	16.8	3	20.9	51.6	0.0	51.6	0.0	79.6	79.6	79.6	70	Y	0.0	N	N	N
W-N20	19.6	4	20.9	52.4	0.0	52.4	0.0	79.4	79.4	79.4	70	Y	0.0	N	N	N
W-N20	22.4	5	20.9	52.8	0.0	52.8	0.0	79.1	79.1	79.1	70	Y	0.0	N	N	N
W-N20	25.2	6	20.9	53.5	0.0	53.5	0.0	78.9	78.9	79.0	70	Y	0.1	N	N	N
W-N20	28.0	7	20.9	54.2	0.0	54.2	0.0	78.7	78.7	78.7	70	Y	0.0	N	N	N
W-N20	30.8	8	20.9	54.8	0.0	54.8	0.0	78.6	78.6	78.6	70	Y	0.0	N	N	N
W-N20	33.6	9	20.9	55.2	0.0	55.2	0.0	78.4	78.4	78.4	70	Y	0.0	N	N	N
W-N20	36.4	10	20.9	55.8	0.0	55.8	0.0	78.2	78.2	78.2	70	Y	0.0	N	N	N
W-N20	39.2	11	20.9	56.1	0.0	56.1	0.0	78.1	78.1	78.1	70	Y	0.0	N	N	N
W-N20	42.0	12	20.8	56.5	0.0	56.5	0.0	77.9	77.9	77.9	70	Y	0.0	N	N	N
W-N20	44.8	13	21.4	56.9	0.0	56.9	0.0	77.7	77.7	77.8	70	Y	0.1	N	N	N
W-N20	47.6	14	21.7	57.2	0.0	57.2	0.0	77.6	77.6	77.6	70	Y	0.0	N	N	N
W-N20	50.4	15	22.3	57.6	0.0	57.6	0.0	77.4	77.4	77.5	70	Y	0.1	N	N	N
W-N21	11.2	1	0.0	46.6	0.0	46.6	0.0	76.9	76.9	76.9	70	Y	0.0	N	N	N
W-N21	14.0	2	0.0	47.8	0.0	47.8	0.0	76.3	76.3	76.3	70	Y	0.0	N	N	N
W-N21	16.8	3	0.0	48.5	0.0	48.5	0.0	75.9	75.9	75.9	70	Y	0.0	N	N	N
W-N21	19.6	4	0.0	48.8	0.0	48.8	0.0	75.7	75.7	75.7	70	Y	0.0	N	N	N
W-N21	22.4	5	0.0	49.0	0.0	49.0	0.0	75.6	75.6	75.6	70	Y	0.0	N	N	N
W-N21	25.2	6	0.0	49.3	0.0	49.3	0.0	75.6	75.6	75.6	70	Y	0.0	N	N	N
W-N21	28.0	7	0.0	49.6	0.0	49.6	0.0	75.5	75.5	75.5	70	Y	0.0	N	N	N
W-N22	9.0	1	0.0	47.3	0.0	47.3	0.0	76.8	76.8	76.8	70	Y	0.0	N	N	N
W-N22	11.8	2	0.0	47.7	0.0	47.7	0.0	76.3	76.3	76.3	70	Y	0.0	N	N	N
W-N22	14.6	3	0.0	48.0	0.0	48.0	0.0	75.9	75.9	75.9	70	Y	0.0	N	N	N
W-N22	17.4	4	0.0	48.3	0.0	48.3	0.0	75.6	75.6	75.6	70	Y	0.0	N	N	N
W-N22	20.2	5	0.0	48.6	0.0	48.6	0.0	75.3	75.3	75.3	70	Y	0.0	N	N	N
W-N22	23.0	6	0.0	48.9	0.0	48.9	0.0	75.2	75.2	75.2	70	Y	0.0	N	N	N
W-N22	25.8	7	0.0	49.1	0.0	49.1	0.0	75.0	75.0	75.0	70	Y	0.0	N	N	N
W-N22	28.6	8	0.0	49.4	0.0	49.4	0.0	75.0	75.0	75.0	70	Y	0.0	N	N	N
W-N22	31.4	9	0.0	49.7	0.0	49.7	0.0	74.9	74.9	74.9	70	Y	0.0	N	N	N
W-N22	34.2	10	0.0	50.0	0.0	50.0	0.0	74.8	74.8	74.8	70	Y	0.0	N	N	N
W-N23	10.3	1	0.0	40.6	0.0	40.6	0.0	78.0	78.0	78.0	70	Y	0.0	N	N	N
W-N23	13.1	2	0.0	41.3	0.0	41.3	0.0	77.4	77.4	77.4	70	Y	0.0	N	N	N
W-N23	15.9	3	0.0	42.3	0.0	42.3	0.0	76.9	76.9	76.9	70	Y	0.0	N	N	N
W-N23	18.7	4	0.0	43.3	0.0	43.3	0.0	76.3	76.3	76.3	70	Y	0.0	N	N	N
W-N23	21.5	5	0.0	44.5	0.0	44.5	0.0	75.8	75.8	75.8	70	Y	0.0	N	N	N
W-N23	24.3	6	0.0	45.4	0.0	45.4	0.0	75.4	75.4	75.4	70	Y	0.0	N	N	N
W-N23	27.1	7	0.0	46.2	0.0	46.2	0.0	75.0	75.0	75.0	70	Y	0.0	N	N	N
W-N23	29.9	8	0.0	46.9	0.0	46.9	0.0	74.7	74.7	74.7	70	Y	0.0	N	N	N
W-N23	32.7	9	0.0	47.4	0.0	47.4	0.0	74.5	74.5	74.5	70	Y	0.0	N	N	N
W-N23	35.5	10	0.0	47.8	0.0	47.8	0.0	74.2	74.2	74.2	70	Y	0.0	N	N	N
W-N23	38.3	11	0.0	48.2	0.0	48.2	0.0	74.1	74.1	74.2	70	Y	0.1	N	N	N
W-N23	41.1	12	0.0	48.5	0.0	48.5	0.0	74.0	74.0	74.0	70	Y	0.0	N	N	N
W-N23	43.9	13	0.0	48.8	0.0	48.8	0.0	73.9	73.9	73.9	70	Y	0.0	N	N	N
W-N23	46.7	14	0.0	49.2	0.0	49.2	0.0	73.8	73.8	73.8	70	Y	0.0	N	N	N
W-N23	49.5	15	0.0	49.6	0.0	49.6	0.0	73.7	73.7	73.7	70	Y	0.0	N	N	N
W-N23	52.3	16	0.0	49.9	0.0	49.9	0.0	73.6	73.6	73.6	70	Y	0.0	N	N	N
W-N23	55.1	17	0.0	50.3	0.0	50.3	0.0	73.6	73.6	73.6	70	Y	0.0	N	N	N
W-N23	57.9	18	0.0	50.7	0.0	50.7	0.0	73.5	73.5	73.5	70	Y	0.0	N	N	N
W-N23	60.7	19	0.0	51.0	0.0	51.0	0.0	73.4	73.4	73.4	70	Y	0.0	N	N	N
W-N23	63.5	20	0.0	51.3	0.0	51.3	0.0	73.4	73.4	73.4	70	Y	0.0	N	N	N
W-N23	66.3	21	0.0	51.8	0.0	51.8	0.0	73.3	73.3	73.3	70	Y	0.0	N	N	N
W-N23	69.1	22	0.0	52.1	0.0	52.1	0.0	73.2	73.2	73.3	70	Y	0.1	N	N	N
W-N23	71.9	23	0.0	52.5	0.0	52.5	0.0	73.1	73.1	73.2	70	Y	0.1	N	N	N
W-N24	12.2	1	0.0	42.3	0.0	42.3	0.0	73.4	73.4	73.4	70	Y	0.0	N	N	N
W-N24	15.0	2	0.0	42.7	0.0	42.7	0.0	72.9	72.9	72.9	70	Y	0.0	N	N	N
W-N24	17.8	3	0.0	43.2	0.0	43.2	0.0	72.4	72.4	72.4	70	Y	0.0	N	N	N
W-N24	20.6	4	0.0	43.6	0.0	43.6	0.0	72.1	72.1	72.1	70	Y	0.0	N	N	N
W-N24	23.4	5	0.0	44.1	0.0	44.1	0.0	71.9	71.9	71.9	70	Y	0.0	N	N	N
W-N24	26.2	6	0.0	44.7	0.0	44.7	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	29.0	7	0.0	45.3	0.0	45.3	0.0	71.7	71.7	71.7	70	Y	0.0	N	N	N
W-N24	31.8	8	0.0	46.0	0.0	46.0	0.0	71.7	71.7	71.7	70	Y	0.0	N	N	N
W-N24	34.6	9	0.0	46.7	0.0	46.7	0.0	71.6	71.6	71.6	70	Y	0.0	N	N	N
W-N24	37.4	10	0.0	47.5	0.0	47.5	0.0	71.6	71.6	71.6	70	Y	0.0	N	N	N
W-N24	40.2	11	0.0	48.2	0.0	48.2	0.0	71.6	71.6	71.6	70	Y	0.0	N	N	N
W-N24	43.0	12	0.0	48.8	0.0	48.8	0.0	71.6	71.6	71.6	70	Y	0.0	N	N	N
W-N24	45.8	13	0.0	49.4	0.0	49.4	0.0	71.6	71.6	71.7	70	Y	0.1	N	N	N
W-N24	48.6	14	0.0	49.9	0.0	49.9	0.0	71.7	71.7	71.7	70	Y	0.0	N	N	N
W-N24	51.4	15	0.0	50.4	0.0	50.4	0.0	71.7	71.7	71.7	70	Y	0.0	N	N	N
W-N24	54.2	16	0.0	50.8	0.0	50.8	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	57.0	17	0.0	51.2	0.0	51.2	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	59.8	18	0.0	51.7	0.0	51.7	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	62.6	19	0.0	52.2	0.0	52.2	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	65.4	20	0.0	52.8	0.0	52.8	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	68.2	21	0.0	53.4	0.0	53.4	0.0	71.8	71.8	71.8	70	Y	0.0	N	N	N
W-N24	71.0	22	0.0	53.8	0.0	53.8	0.0	71.8	71.8	71.9	70	Y	0.1	N	N	N
W-N24	73.8	23	0.0	54.3	0.0	54.3	0.0	71.8	71.8	71.9	70	Y	0.1	N	N	N
W-N24	76.6	24	0.0	55.0	0.0	55.0	0.0	71.7	71.7	71.8	70	Y	0.1	N	N	N
W-N24	79.4	25	0.0	55.5	0.0	55.5	0.0	71.6	71.6	71.7	70	Y	0.1	N	N	N
W-N24	82.2	26	0.0	55.8	0.0	55.8	0.0	71.6	71.6	71.7	70	Y	0.1	N	N	N
W-N24	85.0	27	0.0	56.1	0.0	56.1	0.0	71.5	71.5	71.6	70	Y	0.1	N	N	N

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT												
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N25A	12.2	1	36.8	53.0	33.6	53.2	28.4	73.6	73.6	73.6	70	Y	0.0	N	N	N
W-N25A	15.0	2	38.5	53.0	35.7	53.2	28.5	73.4	73.4	73.4	70	Y	0.0	N	N	N
W-N25A	17.8	3	40.4	53.0	38.3	53.3	28.6	73.2	73.2	73.2	70	Y	0.0	N	N	N
W-N25A	20.6	4	42.4	53.2	41.4	53.8	28.6	73.0	73.0	73.0	70	Y	0.0	N	N	N
W-N25A	23.4	5	43.9	53.4	43.8	54.3	28.7	72.9	72.9	73.0	70	Y	0.1	N	N	N
W-N25A	26.2	6	45.0	53.8	44.9	54.8	28.8	72.8	72.8	72.9	70	Y	0.1	N	N	N
W-N25A	29.0	7	45.8	54.2	45.5	55.3	28.8	72.8	72.8	72.8	70	Y	0.0	N	N	N
W-N25A	31.8	8	46.8	54.9	45.8	56.0	28.9	72.6	72.6	72.8	70	Y	0.2	N	N	N
W-N25A	34.6	9	47.9	55.7	46.1	56.8	29.1	72.6	72.6	72.7	70	Y	0.1	N	N	N
W-N25A	37.4	10	49.2	56.7	46.3	57.7	29.2	72.5	72.5	72.7	70	Y	0.2	N	N	N
W-N25A	40.2	11	50.1	57.9	46.6	58.8	29.2	72.5	72.5	72.7	70	Y	0.2	N	N	N
W-N25A	43.0	12	50.6	58.8	46.7	59.7	29.3	72.4	72.4	72.6	70	Y	0.2	N	N	N
W-N25A	45.8	13	51.0	59.8	46.9	60.5	29.4	72.3	72.3	72.6	70	Y	0.3	N	N	N
W-N25A	48.6	14	51.2	60.5	47.1	61.1	29.5	72.3	72.3	72.5	70	Y	0.2	N	N	N
W-N25A	51.4	15	51.3	60.8	47.3	61.5	29.5	72.2	72.2	72.5	70	Y	0.3	N	N	N
W-N25A	54.2	16	51.4	61.2	47.5	61.8	29.6	72.1	72.1	72.4	70	Y	0.3	N	N	N
W-N25A	57.0	17	51.6	61.4	47.7	62.0	29.7	71.9	71.9	72.4	70	Y	0.5	N	N	N
W-N25A	59.8	18	51.6	61.6	47.9	62.2	29.8	71.8	71.8	72.3	70	Y	0.5	N	N	N
W-N25A	62.6	19	51.8	61.7	48.2	62.3	29.9	71.7	71.7	72.2	70	Y	0.5	N	N	N
W-N25A	65.4	20	51.8	61.7	48.4	62.3	30.0	71.6	71.6	72.0	70	Y	0.4	N	N	N
W-N25A	68.2	21	51.9	61.8	48.6	62.4	30.0	71.5	71.5	72.0	70	Y	0.5	N	N	N
W-N25A	71.0	22	52.1	61.8	48.8	62.5	30.1	71.4	71.4	71.9	70	Y	0.5	N	N	N
W-N25A	73.8	23	52.2	61.8	49.0	62.5	30.2	71.3	71.3	71.9	70	Y	0.6	N	N	N
W-N25A	76.6	24	52.5	61.9	49.1	62.6	30.3	71.2	71.2	71.8	70	Y	0.6	N	N	N
W-N25A	79.4	25	52.6	61.9	49.3	62.6	30.4	71.1	71.1	71.7	70	Y	0.6	N	N	N
W-N25A	82.2	26	52.9	61.9	49.5	62.6	30.5	71.0	71.0	71.6	70	Y	0.6	N	N	N
W-N25A	85.0	27	53.3	61.9	49.6	62.7	30.6	70.9	70.9	71.5	70	Y	0.6	N	N	N
W-N25A	87.8	28	53.6	61.9	49.7	62.7	30.7	70.8	70.8	71.4	70	Y	0.6	N	N	N
W-N25B	12.2	1	36.0	48.2	38.4	48.9	27.9	64.0	64.0	64.2	70	N	0.2	N	N	N
W-N25B	15.0	2	37.8	49.7	39.9	50.4	28.1	65.5	65.5	65.6	70	N	0.1	N	N	N
W-N25B	17.8	3	39.8	51.1	41.6	51.9	28.4	65.8	65.8	66.0	70	N	0.2	N	N	N
W-N25B	20.6	4	42.1	52.5	44.1	53.3	28.5	66.0	66.0	66.2	70	N	0.2	N	N	N
W-N25B	23.4	5	43.6	53.7	46.1	54.8	28.5	66.1	66.1	66.4	70	N	0.3	N	N	N
W-N25B	26.2	6	44.6	55.0	47.6	56.1	28.7	66.3	66.3	66.7	70	N	0.4	N	N	N
W-N25B	29.0	7	45.7	56.4	49.2	57.4	28.8	66.6	66.6	67.2	70	N	0.6	N	N	N
W-N25B	31.8	8	46.6	57.7	50.6	58.7	28.9	67.1	67.1	67.7	70	N	0.6	N	N	N
W-N25B	34.6	9	47.8	58.6	52.4	59.8	28.9	67.5	67.5	68.2	70	N	0.7	N	N	N
W-N25B	37.4	10	48.5	59.6	53.2	60.7	29.0	67.8	67.8	68.6	70	N	0.8	N	N	N
W-N25B	40.2	11	49.0	60.1	53.7	61.2	29.0	68.1	68.1	68.9	70	N	0.8	N	N	N
W-N25B	43.0	12	49.4	60.4	53.9	61.6	29.1	68.2	68.2	69.1	70	N	0.9	N	N	N
W-N25B	45.8	13	49.7	60.6	54.2	61.8	29.2	68.3	68.3	69.2	70	N	0.9	N	N	N
W-N25B	48.6	14	50.0	60.7	54.2	61.9	29.3	68.4	68.4	69.3	70	N	0.9	N	N	N
W-N25B	51.4	15	50.2	60.8	54.2	61.9	29.4	68.4	68.4	69.3	70	N	0.9	N	N	N
W-N25B	54.2	16	50.4	60.7	54.3	61.9	29.4	68.5	68.5	69.3	70	N	0.8	N	N	N
W-N25B	57.0	17	50.5	60.6	54.3	61.8	29.5	68.6	68.6	69.4	70	N	0.8	N	N	N
W-N25B	59.8	18	50.6	60.5	54.4	61.8	29.6	68.6	68.6	69.5	70	N	0.9	N	N	N
W-N25B	62.6	19	50.9	60.4	54.5	61.8	29.7	68.7	68.7	69.5	70	N	0.8	N	N	N
W-N25B	65.4	20	51.0	60.4	54.5	61.8	29.8	68.7	68.7	69.5	70	N	0.8	N	N	N
W-N25B	68.2	21	51.3	60.2	54.6	61.7	29.9	68.8	68.8	69.5	70	N	0.7	N	N	N
W-N25B	71.0	22	51.5	60.1	54.7	61.6	29.9	68.8	68.8	69.6	70	N	0.8	N	N	N
W-N25B	73.8	23	51.8	60.0	54.9	61.6	30.0	68.8	68.8	69.5	70	N	0.7	N	N	N
W-N25B	76.6	24	52.2	59.9	55.0	61.6	30.0	68.8	68.8	69.5	70	N	0.7	N	N	N
W-N25B	79.4	25	52.6	59.7	55.2	61.5	30.1	68.8	68.8	69.5	70	N	0.7	N	N	N
W-N25B	82.2	26	53.1	59.6	55.4	61.6	30.2	68.8	68.8	69.5	70	N	0.7	N	N	N
W-N25B	85.0	27	53.6	59.4	55.7	61.7	30.3	68.7	68.7	69.5	70	N	0.8	N	N	N
W-N25B	87.8	28	54.1	59.4	55.9	61.8	30.4	68.7	68.7	69.5	70	N	0.8	N	N	N
W-N26A	12.2	1	36.6	50.2	33.4	50.5	26.1	66.9	66.9	67.0	70	N	0.1	N	N	N
W-N26A	15.0	2	38.5	51.8	35.1	52.0	26.6	67.5	67.5	67.6	70	N	0.1	N	N	N
W-N26A	17.8	3	40.5	53.4	37.6	53.7	27.1	67.6	67.6	67.7	70	N	0.1	N	N	N
W-N26A	20.6	4	42.7	55.0	41.6	55.4	27.4	67.5	67.5	67.8	70	N	0.3	N	N	N
W-N26A	23.4	5	44.1	56.6	43.5	57.0	27.5	67.4	67.4	67.8	70	N	0.4	N	N	N
W-N26A	26.2	6	45.1	58.6	44.7	58.9	27.6	67.5	67.5	68.0	70	N	0.5	N	N	N
W-N26A	29.0	7	46.2	59.3	45.5	59.7	27.6	67.6	67.6	68.2	70	N	0.6	N	N	N
W-N26A	31.8	8	47.3	60.5	45.9	60.8	27.7	67.5	67.5	68.4	70	N	0.9	N	N	N
W-N26A	34.6	9	48.5	60.9	46.2	61.2	27.8	67.6	67.6	68.5	70	N	0.9	N	N	N
W-N26A	37.4	10	49.2	61.2	46.6	61.6	27.9	67.6	67.6	68.6	70	N	1.0	Y	N	N
W-N26A	40.2	11	49.8	61.3	46.8	61.7	28.0	67.6	67.6	68.7	70	N	1.1	Y	N	N
W-N26A	43.0	12	50.2	61.2	47.2	61.7	28.1	67.6	67.6	68.6	70	N	1.0	Y	N	N
W-N26A	45.8	13	50.5	61.4	47.5	61.9	28.2	67.6	67.6	68.6	70	N	1.0	Y	N	N
W-N26A	48.6	14	50.7	61.5	47.8	61.9	28.2	67.7	67.7	68.6	70	N	0.9	N	N	N
W-N26A	51.4	15	50.9	61.5	48.1	62.0	28.3	67.6	67.6	68.7	70	N	1.1	Y	N	N
W-N26A	54.2	16	51.1	61.5	48.5	62.0	28.3	67.7	67.7	68.7	70	N	1.0	Y	N	N
W-N26A	57.0	17	51.3	61.5	48.7	62.1	28.4	67.7	67.7	68.7	70	N	1.0	Y	N	N
W-N26A	59.8	18	51.4	61.5	49.0	62.2	28.5	67.6	67.6	68.8	70	N	1.2	Y	N	N
W-N26A	62.6	19	51.6	61.5	49.3	62.1	28.6	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	65.4	20	51.7	61.5	49.5	62.2	28.6	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	68.2	21	52.0	61.4	49.8	62.2	28.7	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	71.0	22	52.2	61.5	50.2	62.3	28.8	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	73.8	23	52.6	61.4	50.6	62.3	28.9	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	76.6	24	52.8	61.3	51.1	62.2	28.9	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	79.4	25	53.3	61.3	51.6	62.3	29.0	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	82.2	26	53.7	61.2	52.0	62.4	29.1	67.7	67.7	68.8	70	N	1.1	Y	N	N
W-N26A	85.0	27	54.1	61.2	52.6	62.4	29.1	67.6	67.6	68.8	70	N	1.2	Y	N	N
W-N26A	87.8	28	54.5	61.1	52.9	62.4	29.2	67.6	67.6	68.8	70	N	1.2	Y	N	N

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

			WITH PROJECT													
Assessment Point			CKR [A]	GRF [B]	Hoi Wang Road [C]	Project Road [D] = [A] + [B] + [C]	Planned Road [E]	Existing [F]	Planned Road + Existing [G] = [E] + [F]	OVERALL NOISE LEVEL [H] = [D] + [G]	Noise Criteria	Exceedance Overall > Criteria	Check Project Impact Significance		Check Direct Mitigation	Mitigation Measures
													[H] - [G]		Project Road > Criteria	
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N26B	12.2	1	36.5	50.3	38.9	50.8	26.1	65.1	65.1	65.2	70	N	0.1	N	N	N
W-N26B	15.0	2	38.3	52.2	40.5	52.6	26.7	65.6	65.6	65.9	70	N	0.3	N	N	N
W-N26B	17.8	3	40.3	54.0	42.4	54.4	27.2	66.2	66.2	66.5	70	N	0.3	N	N	N
W-N26B	20.6	4	42.5	55.8	44.9	56.3	27.4	66.5	66.5	66.9	70	N	0.4	N	N	N
W-N26B	23.4	5	43.8	57.6	47.1	58.1	27.5	66.9	66.9	67.5	70	N	0.6	N	N	N
W-N26B	26.2	6	44.9	59.1	49.7	59.7	27.7	67.4	67.4	68.1	70	N	0.7	N	N	N
W-N26B	29.0	7	46.4	60.5	52.2	61.3	27.8	68.0	68.0	68.8	70	N	0.8	N	N	N
W-N26B	31.8	8	47.5	61.4	54.1	62.3	27.8	68.5	68.5	69.4	70	N	0.9	N	N	N
W-N26B	34.6	9	48.6	61.6	54.7	62.6	27.9	68.8	68.8	69.7	70	N	0.9	N	N	N
W-N26B	37.4	10	49.3	61.7	54.8	62.7	28.0	69.0	69.0	69.9	70	N	0.9	N	N	N
W-N26B	40.2	11	49.8	61.7	54.9	62.8	28.0	69.3	69.3	70.1	70	N	0.8	N	N	N
W-N26B	43.0	12	50.3	61.5	55.1	62.6	28.1	69.5	69.5	70.3	70	N	0.8	N	N	N
W-N26B	45.8	13	50.6	61.4	55.1	62.6	28.2	69.7	69.7	70.5	70	Y	0.8	N	N	N
W-N26B	48.6	14	50.9	61.2	55.2	62.4	28.2	70.0	70.0	70.7	70	Y	0.7	N	N	N
W-N26B	51.4	15	51.1	61.1	55.3	62.5	28.3	70.1	70.1	70.8	70	Y	0.7	N	N	N
W-N26B	54.2	16	51.3	60.9	55.4	62.3	28.3	70.1	70.1	70.8	70	Y	0.7	N	N	N
W-N26B	57.0	17	51.5	60.7	55.4	62.2	28.4	70.1	70.1	70.8	70	Y	0.7	N	N	N
W-N26B	59.8	18	51.6	60.5	55.6	62.1	28.5	70.1	70.1	70.8	70	Y	0.7	N	N	N
W-N26B	62.6	19	51.8	60.3	55.6	62.0	28.6	70.2	70.2	70.8	70	Y	0.6	N	N	N
W-N26B	65.4	20	52.1	60.1	55.7	62.0	28.7	70.1	70.1	70.7	70	Y	0.6	N	N	N
W-N26B	68.2	21	52.3	60.0	55.9	61.9	28.7	70.1	70.1	70.7	70	Y	0.6	N	N	N
W-N26B	71.0	22	52.7	59.9	56.1	62.0	28.8	70.1	70.1	70.7	70	Y	0.6	N	N	N
W-N26B	73.8	23	53.0	59.7	56.3	61.9	28.9	70.1	70.1	70.7	70	Y	0.6	N	N	N
W-N26B	76.6	24	53.5	59.5	56.6	62.0	28.9	70.0	70.0	70.6	70	Y	0.6	N	N	N
W-N26B	79.4	25	54.0	59.4	56.9	62.0	29.1	70.0	70.0	70.6	70	Y	0.6	N	N	N
W-N26B	82.2	26	54.2	59.2	57.2	62.1	29.0	69.9	69.9	70.5	70	Y	0.6	N	N	N
W-N26B	85.0	27	54.5	59.1	57.4	62.1	29.1	69.8	69.8	70.5	70	Y	0.7	N	N	N
W-N26B	87.8	28	54.7	58.9	57.6	62.1	29.2	69.8	69.8	70.5	70	Y	0.7	N	N	N
W-N27	12.2	1	35.4	48.2	54.7	55.6	23.3	71.1	71.1	71.3	70	Y	0.2	N	N	N
W-N27	15.0	2	36.5	49.5	56.2	57.1	23.5	72.2	72.2	72.4	70	Y	0.2	N	N	N
W-N27	17.8	3	37.8	50.8	56.7	57.7	23.6	72.7	72.7	72.9	70	Y	0.2	N	N	N
W-N27	20.6	4	39.1	52.1	56.7	58.1	23.7	73.0	73.0	73.2	70	Y	0.2	N	N	N
W-N27	23.4	5	40.2	53.4	56.8	58.5	23.7	73.2	73.2	73.3	70	Y	0.1	N	N	N
W-N27	26.2	6	41.0	54.6	56.8	58.9	23.7	73.4	73.4	73.5	70	Y	0.1	N	N	N
W-N27	29.0	7	42.0	55.7	56.8	59.4	23.8	73.5	73.5	73.7	70	Y	0.2	N	N	N
W-N27	31.8	8	43.1	57.1	56.8	60.1	23.8	73.6	73.6	73.8	70	Y	0.2	N	N	N
W-N27	34.6	9	44.3	58.0	57.0	60.6	23.9	73.7	73.7	73.9	70	Y	0.2	N	N	N
W-N27	37.4	10	45.5	58.8	56.9	61.1	23.9	73.7	73.7	74.0	70	Y	0.3	N	N	N
W-N27	40.2	11	46.6	59.7	57.0	61.8	23.9	73.8	73.8	74.0	70	Y	0.2	N	N	N
W-N27	43.0	12	47.5	60.2	57.1	62.1	24.0	73.8	73.8	74.1	70	Y	0.3	N	N	N
W-N27	45.8	13	48.8	60.5	57.2	62.4	24.0	73.8	73.8	74.1	70	Y	0.3	N	N	N
W-N27	48.6	14	50.3	60.5	57.3	62.5	24.0	73.8	73.8	74.2	70	Y	0.4	N	N	N
W-N27	51.4	15	51.2	60.5	57.4	62.6	24.0	73.8	73.8	74.2	70	Y	0.4	N	N	N
W-N27	54.2	16	52.1	60.5	57.5	62.6	24.0	73.8	73.8	74.1	70	Y	0.3	N	N	N
W-N27	57.0	17	52.8	60.4	57.8	62.7	24.1	73.7	73.7	74.0	70	Y	0.3	N	N	N
W-N27	59.8	18	53.6	60.3	58.1	62.9	24.1	73.7	73.7	74.0	70	Y	0.3	N	N	N
W-N27	62.6	19	54.1	60.2	58.3	63.0	24.1	73.6	73.6	73.9	70	Y	0.3	N	N	N
W-N27	65.4	20	54.4	60.1	58.6	63.0	24.1	73.6	73.6	73.9	70	Y	0.3	N	N	N
W-N27	68.2	21	54.7	59.9	58.8	63.1	24.1	73.5	73.5	73.9	70	Y	0.4	N	N	N
W-N27	71.0	22	54.8	59.9	59.0	63.2	24.1	73.4	73.4	73.8	70	Y	0.4	N	N	N
W-N27	73.8	23	54.9	59.7	59.1	63.2	24.2	73.3	73.3	73.7	70	Y	0.4	N	N	N
W-N27	76.6	24	55.2	59.6	59.2	63.2	24.2	73.2	73.2	73.6	70	Y	0.4	N	N	N
W-N27	79.4	25	55.4	59.5	59.3	63.2	24.2	73.2	73.2	73.6	70	Y	0.4	N	N	N
W-N27	82.2	26	55.6	59.4	59.4	63.2	24.3	73.1	73.1	73.5	70	Y	0.4	N	N	N
W-N27	85.0	27	55.8	59.2	59.5	63.2	24.3	73.0	73.0	73.4	70	Y	0.4	N	N	N
W-N27	87.8	28	56.0	59.1	59.5	63.2	24.4	72.9	72.9	73.4	70	Y	0.5	N	N	N
W-N28	8.8	1	43.5	44.8	63.5	63.6	20.6	77.8	77.8	78.0	70	Y	0.2	N	N	N
W-N28	11.6	2	43.9	44.7	63.4	63.5	20.7	77.6	77.6	77.8	70	Y	0.2	N	N	N
W-N28	14.4	3	44.3	44.6	63.4	63.5	20.7	77.4	77.4	77.6	70	Y	0.2	N	N	N
W-N28	17.2	4	44.8	44.6	63.3	63.4	20.8	77.3	77.3	77.4	70	Y	0.1	N	N	N
W-N28	20.0	5	45.2	44.4	63.1	63.3	20.8	77.4	77.4	77.6	70	Y	0.2	N	N	N
W-N28	22.8	6	45.7	44.4	63.0	63.2	20.9	77.5	77.5	77.7	70	Y	0.2	N	N	N
W-N28	25.6	7	46.1	44.5	62.9	63.1	21.0	77.9	77.9	78.0	70	Y	0.1	N	N	N
W-N28	28.4	8	46.6	44.7	62.7	62.9	20.9	78.1	78.1	78.2	70	Y	0.1	N	N	N
W-N28	31.2	9	47.1	44.9	62.5	62.8	21.0	78.1	78.1	78.3	70	Y	0.2	N	N	N
W-N28	34.0	10	47.6	45.3	62.4	62.7	21.0	78.2	78.2	78.3	70	Y	0.1	N	N	N
W-N28	36.8	11	48.1	45.7	62.2	62.5	21.0	78.2	78.2	78.3	70	Y	0.1	N	N	N
W-N28	39.6	12	49.0	45.9	62.1	62.4	20.9	78.1	78.1	78.2	70	Y	0.1	N	N	N
W-N28	42.4	13	49.3	46.2	61.9	62.2	20.9	78.0	78.0	78.1	70	Y	0.1	N	N	N
W-N28	45.2	14	50.0	46.6	61.7	62.1	20.9	77.9	77.9	78.0	70	Y	0.1	N	N	N
W-N28	48.0	15	50.8	46.8	61.6	62.0	20.9	77.8	77.8	77.9	70	Y	0.1	N	N	N
W-N28	50.8	16	51.2	46.8	61.4	62.0	20.9	77.7	77.7	77.8	70	Y	0.1	N	N	N
W-N28	53.6	17	51.6	46.8	61.3	61.9	20.9	77.5	77.5	77.6	70	Y	0.1	N	N	N
W-N29	6.2	1	0.0	52.8	0.0	52.8	0.0	73.2	73.2	73.2	65	Y	0.0	N	N	N

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT													
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-N30	54.8	10	57.8	0.0	48.8	58.3	64.6	73.9	74.3	74.4	70	Y	0.1	N	N	N
W-N30	57.8	11	58.1	0.0	48.8	58.6	64.5	73.9	74.3	74.4	70	Y	0.1	N	N	N
W-N30	60.8	12	58.4	0.0	48.7	58.8	64.4	73.9	74.3	74.5	70	Y	0.2	N	N	N
W-N30	63.8	13	58.6	0.0	48.7	59.0	64.4	73.9	74.4	74.5	70	Y	0.1	N	N	N
W-N30	66.8	14	58.7	0.0	48.7	59.1	64.3	73.9	74.4	74.5	70	Y	0.1	N	N	N
W-N30	69.8	15	58.8	0.0	48.7	59.2	64.3	74.0	74.4	74.6	70	Y	0.2	N	N	N
W-N30	72.8	16	59.0	0.0	48.6	59.3	64.2	74.0	74.4	74.6	70	Y	0.2	N	N	N
W-N30	75.8	17	59.0	0.0	48.6	59.4	64.2	74.0	74.5	74.6	70	Y	0.1	N	N	N
W-N30	78.8	18	59.1	0.0	48.6	59.5	64.1	74.0	74.4	74.6	70	Y	0.2	N	N	N
W-N30	81.8	19	59.2	0.0	48.5	59.5	64.1	74.0	74.4	74.5	70	Y	0.1	N	N	N
W-N30	84.8	20	59.2	0.0	48.5	59.5	64.1	74.0	74.4	74.5	70	Y	0.1	N	N	N
W-N30	87.8	21	59.2	0.0	48.5	59.6	64.0	74.0	74.4	74.5	70	Y	0.1	N	N	N
W-N30	90.8	22	59.2	0.0	48.5	59.6	64.0	73.9	74.3	74.5	70	Y	0.2	N	N	N
W-N30	93.8	23	59.2	0.0	48.4	59.5	63.9	73.9	74.3	74.4	70	Y	0.1	N	N	N
W-N30	96.8	24	59.2	0.0	48.4	59.5	63.9	73.8	74.2	74.4	70	Y	0.2	N	N	N
W-N30	99.8	25	59.1	0.0	48.4	59.5	63.8	73.8	74.2	74.3	70	Y	0.1	N	N	N
W-N30	102.8	26	59.1	0.0	48.3	59.5	63.8	73.7	74.1	74.3	70	Y	0.2	N	N	N
W-N30	105.8	27	59.1	0.0	48.3	59.4	63.7	73.7	74.1	74.2	70	Y	0.1	N	N	N
W-N30	108.8	28	59.1	0.0	48.2	59.4	63.7	73.6	74.0	74.2	70	Y	0.2	N	N	N
W-N30	111.8	29	59.0	0.0	48.2	59.4	63.6	73.5	74.0	74.1	70	Y	0.1	N	N	N
W-N30	114.8	30	59.0	0.0	48.2	59.4	63.5	73.5	73.9	74.0	70	Y	0.1	N	N	N
W-N30	117.8	31	58.9	0.0	48.1	59.3	63.5	73.4	73.8	74.0	70	Y	0.2	N	N	N
W-N30	120.8	32	58.9	0.0	48.1	59.3	63.4	73.4	73.8	73.9	70	Y	0.1	N	N	N
W-N30	123.8	33	58.9	0.0	48.1	59.2	63.4	73.3	73.7	73.9	70	Y	0.2	N	N	N
W-N30	126.8	34	58.9	0.0	48.0	59.2	63.3	73.3	73.7	73.8	70	Y	0.1	N	N	N
W-N30	129.8	35	58.8	0.0	48.0	59.2	63.2	73.2	73.6	73.8	70	Y	0.2	N	N	N
W-N30	132.8	36	58.7	0.0	47.9	59.1	63.2	73.2	73.6	73.7	70	Y	0.1	N	N	N
W-N30	135.8	37	58.7	0.0	47.9	59.1	63.1	73.1	73.5	73.7	70	Y	0.2	N	N	N
W-N30	138.8	38	58.7	0.0	47.9	59.1	63.0	73.0	73.5	73.6	70	Y	0.1	N	N	N
W-N30	141.8	39	58.7	0.0	47.8	59.0	63.0	73.0	73.4	73.6	70	Y	0.2	N	N	N
W-N30	144.8	40	58.6	0.0	47.8	58.9	62.9	73.0	73.4	73.5	70	Y	0.1	N	N	N
W-N30	147.8	41	58.6	0.0	47.8	58.9	62.8	72.9	73.3	73.5	70	Y	0.2	N	N	N
W-N30	150.8	42	58.5	0.0	47.7	58.9	62.8	72.9	73.3	73.4	70	Y	0.1	N	N	N
W-N30	153.8	43	58.5	0.0	47.7	58.8	62.7	72.8	73.2	73.4	70	Y	0.2	N	N	N
W-N30	156.8	44	58.5	0.0	47.7	58.8	62.7	72.8	73.2	73.3	70	Y	0.1	N	N	N
W-N30	159.8	45	58.4	0.0	47.7	58.7	62.6	72.7	73.1	73.3	70	Y	0.2	N	N	N
W-N30	162.8	46	58.3	0.0	47.6	58.7	62.5	72.7	73.1	73.2	70	Y	0.1	N	N	N
W-N30	165.8	47	58.3	0.0	47.6	58.7	62.5	72.6	73.0	73.2	70	Y	0.2	N	N	N
W-N30	168.8	48	58.3	0.0	47.5	58.6	62.4	72.6	73.0	73.1	70	Y	0.1	N	N	N
W-N30	171.8	49	58.2	0.0	47.5	58.6	62.4	72.5	72.9	73.1	70	Y	0.2	N	N	N
W-N30	174.8	50	58.2	0.0	47.5	58.6	62.3	72.5	72.9	73.0	70	Y	0.1	N	N	N
W-N30	177.8	51	58.2	0.0	47.4	58.5	62.2	72.4	72.8	73.0	70	Y	0.2	N	N	N
W-N30	180.8	52	58.1	0.0	47.4	58.5	62.2	72.4	72.8	72.9	70	Y	0.1	N	N	N
W-N30	183.8	53	58.1	0.0	47.4	58.4	62.1	72.4	72.7	72.9	70	Y	0.2	N	N	N
W-N30	186.8	54	58.0	0.0	47.3	58.4	62.1	72.3	72.7	72.8	70	Y	0.1	N	N	N
W-N30	189.8	55	58.0	0.0	47.3	58.4	62.0	72.2	72.6	72.8	70	Y	0.2	N	N	N
W-N30	192.8	56	58.0	0.0	47.3	58.3	62.0	72.2	72.6	72.8	70	Y	0.2	N	N	N
W-N30	195.8	57	57.9	0.2	47.2	58.3	61.9	72.2	72.6	72.7	70	Y	0.1	N	N	N
W-N30	198.8	58	57.9	0.5	47.2	58.2	61.9	72.1	72.5	72.7	70	Y	0.2	N	N	N
W-N30	201.8	59	57.9	0.7	47.1	58.2	61.8	72.1	72.5	72.6	70	Y	0.1	N	N	N
W-P6A	5.9	1	0.0	36.9	59.6	59.6	0.0	72.5	72.5	72.8	70	Y	0.3	N	N	N
W-P6A	9.4	2	0.0	37.3	59.5	59.5	0.0	72.8	72.8	72.9	70	Y	0.1	N	N	N
W-P6A	12.9	3	0.0	38.0	59.5	59.5	0.0	72.9	72.9	73.1	70	Y	0.2	N	N	N
W-P6A	16.4	4	0.0	38.7	59.6	59.6	0.0	73.3	73.3	73.5	70	Y	0.2	N	N	N
W-P6C	5.9	1	55.9	0.0	66.0	66.4	38.0	65.8	65.8	69.2	70	N	3.4	Y	N	N
W-P6C	9.4	2	56.2	0.0	66.0	66.5	39.5	66.3	66.3	69.4	70	N	3.1	Y	N	N
W-P6C	12.9	3	56.3	0.0	66.0	66.4	41.1	67.0	67.0	69.8	70	N	2.8	Y	N	N
W-P6C	16.4	4	56.7	0.0	66.1	66.5	43.0	67.5	67.5	70.0	70	N	2.5	Y	N	N
W-P7A	10.2	1	0.0	39.4	0.0	39.4	0.0	69.5	69.5	69.5	65	Y	0.0	N	N	N
W-P7A	13.7	2	0.0	41.9	0.0	41.9	0.0	70.5	70.5	70.5	65	Y	0.0	N	N	N
W-P7A	11.2	3	0.0	44.1	0.0	44.1	0.0	72.9	72.9	72.9	65	Y	0.0	N	N	N
W-P7A	14.7	4	0.0	46.0	0.0	46.0	0.0	75.6	75.6	75.6	65	Y	0.0	N	N	N
W-P7A	12.2	5	0.0	47.6	0.0	47.6	0.0	76.2	76.2	76.2	65	Y	0.0	N	N	N
W-P7A	15.7	6	0.0	49.2	0.0	49.2	0.0	76.6	76.6	76.6	65	Y	0.0	N	N	N
W-P7A	13.2	7	0.0	50.6	0.0	50.6	0.0	76.8	76.8	76.8	65	Y	0.0	N	N	N
W-P7A	16.7	8	0.0	52.2	0.0	52.2	0.0	77.0	77.0	77.0	65	Y	0.0	N	N	N

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT													
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-P7B	10.2	1	27.7	38.5	32.6	39.8	26.8	61.9	61.9	61.9	65	N	0.0	N	N	N
W-P7B	13.7	2	28.9	40.4	33.8	41.5	26.8	62.7	62.7	62.7	65	N	0.0	N	N	N
W-P7B	11.2	3	30.1	42.6	35.1	43.5	26.8	63.8	63.8	63.8	65	N	0.0	N	N	N
W-P7B	14.7	4	31.5	44.9	36.4	45.6	26.8	65.1	65.1	65.2	65	N	0.1	N	N	N
W-P7B	12.2	5	33.1	46.9	37.8	47.6	26.9	65.8	65.8	65.8	65	Y	0.0	N	N	N
W-P7B	15.7	6	34.7	49.1	39.3	49.7	26.8	66.1	66.1	66.2	65	Y	0.1	N	N	N
W-P7B	13.2	7	36.9	51.2	41.1	51.7	26.8	66.2	66.2	66.4	65	Y	0.2	N	N	N
W-P7B	16.7	8	39.3	53.3	42.9	53.9	26.8	66.5	66.5	66.7	65	Y	0.2	N	N	N
W-P7C	10.2	1	36.8	0.0	37.8	40.3	27.2	52.4	52.4	52.7	65	N	0.3	N	N	N
W-P7C	13.7	2	37.1	0.0	38.4	40.8	27.2	55.2	55.3	55.4	65	N	0.1	N	N	N
W-P7C	11.2	3	37.5	0.0	39.6	41.7	27.2	56.1	56.1	56.2	65	N	0.1	N	N	N
W-P7C	14.7	4	38.2	0.0	40.7	42.7	27.2	56.3	56.3	56.5	65	N	0.2	N	N	N
W-P7C	12.2	5	39.4	0.0	42.0	44.0	27.1	56.4	56.4	56.6	65	N	0.2	N	N	N
W-P7C	15.7	6	41.0	0.0	43.5	45.5	27.1	56.5	56.5	56.8	65	N	0.3	N	N	N
W-P7C	13.2	7	42.8	0.0	45.2	47.2	27.1	56.8	56.8	57.3	65	N	0.5	N	N	N
W-P7C	16.7	8	45.0	0.0	47.0	49.1	27.1	57.3	57.3	57.9	65	N	0.6	N	N	N
W-P7D	10.2	1	6.4	38.9	27.6	39.3	0.0	58.5	58.5	58.6	65	N	0.1	N	N	N
W-P7D	13.7	2	7.7	40.3	27.6	40.5	0.0	59.3	59.3	59.3	65	N	0.0	N	N	N
W-P7D	11.2	3	9.0	41.7	27.7	41.9	0.0	59.7	59.7	59.7	65	N	0.0	N	N	N
W-P7D	14.7	4	10.8	43.1	27.9	43.2	0.0	59.8	59.8	59.9	65	N	0.1	N	N	N
W-P7D	12.2	5	13.4	44.5	29.7	44.6	0.0	59.9	59.9	60.0	65	N	0.1	N	N	N
W-P7D	15.7	6	15.4	46.0	31.9	46.2	0.0	60.0	60.0	60.1	65	N	0.1	N	N	N
W-P7D	13.2	7	17.0	47.8	34.7	48.0	0.0	60.2	60.2	60.4	65	N	0.2	N	N	N
W-P7D	16.7	8	17.6	50.0	38.0	50.2	0.0	60.6	60.6	61.0	65	N	0.4	N	N	N
W-P7E	10.2	1	34.6	39.4	33.3	41.4	36.0	58.2	58.2	58.3	65	N	0.1	N	N	N
W-P7E	13.7	2	35.3	40.7	34.6	42.6	37.6	60.2	60.2	60.3	65	N	0.1	N	N	N
W-P7E	11.2	3	36.1	42.0	36.2	43.8	39.4	61.2	61.3	61.4	65	N	0.1	N	N	N
W-P7E	14.7	4	36.8	43.3	37.5	45.0	41.3	61.4	61.5	61.6	65	N	0.1	N	N	N
W-P7E	12.2	5	37.8	44.7	38.7	46.3	43.7	61.5	61.6	61.7	65	N	0.1	N	N	N
W-P7E	15.7	6	38.9	46.1	40.1	47.7	46.6	61.7	61.9	62.0	65	N	0.1	N	N	N
W-P7E	13.2	7	40.1	47.9	41.7	49.4	49.4	61.9	62.2	62.4	65	N	0.2	N	N	N
W-P7E	16.7	8	41.2	50.2	43.8	51.5	50.9	62.2	62.5	62.9	65	N	0.4	N	N	N
W-P7F	10.2	1	44.5	0.0	61.1	61.1	38.6	61.9	61.9	64.5	65	N	2.6	Y	N	N
W-P7F	13.7	2	45.5	0.0	61.1	61.2	40.2	62.2	62.3	64.7	65	N	2.4	Y	N	N
W-P7F	11.2	3	46.8	0.0	61.1	61.2	42.0	62.7	62.7	65.1	65	N	2.4	Y	N	N
W-P7F	14.7	4	48.2	0.0	61.1	61.3	44.1	63.1	63.1	65.3	65	N	2.2	Y	N	N
W-P7F	12.2	5	50.3	0.0	61.1	61.5	46.7	63.4	63.4	65.6	65	Y	2.2	Y	N	**Y**
W-P7F	15.7	6	53.2	0.0	61.3	62.0	50.0	63.8	64.0	66.1	65	Y	2.1	Y	N	**Y**
W-P7F	13.2	7	56.8	0.0	61.4	62.7	52.6	64.4	64.7	66.8	65	Y	2.1	Y	N	**Y**
W-P7F	16.7	8	58.6	0.0	61.5	63.3	54.0	65.0	65.4	67.5	65	Y	2.1	Y	N	**Y**
W-P7G	10.2	1	43.8	0.0	58.9	59.1	0.0	70.9	70.9	71.2	65	Y	0.3	N	N	N
W-P7G	13.7	2	45.0	0.0	59.0	59.1	0.0	71.1	71.1	71.4	65	Y	0.3	N	N	N
W-P7G	11.2	3	46.4	0.0	59.1	59.3	0.0	71.4	71.4	71.7	65	Y	0.3	N	N	N
W-P7G	14.7	4	48.0	0.0	59.1	59.4	0.0	71.7	71.7	72.0	65	Y	0.3	N	N	N
W-P7G	12.2	5	49.8	0.0	59.3	59.7	0.0	72.1	72.1	72.4	65	Y	0.3	N	N	N
W-P7G	15.7	6	52.2	0.0	59.8	60.5	0.0	72.6	72.6	72.8	65	Y	0.2	N	N	N
W-P7G	13.2	7	54.9	0.0	61.0	61.9	0.0	73.2	73.2	73.5	65	Y	0.3	N	N	N
W-P7G	16.7	8	57.0	0.0	61.9	63.1	0.0	73.7	73.7	74.0	65	Y	0.3	N	N	N
W-P8	6.2	1	57.0	0.0	49.2	57.7	16.2	75.2	75.2	75.3	65	Y	0.1	N	N	N
W-P8	10.2	2	58.5	0.0	49.9	59.1	16.2	75.3	75.3	75.4	65	Y	0.1	N	N	N
W-P8	14.2	3	60.6	0.0	50.3	61.0	16.1	75.4	75.4	75.6	65	Y	0.2	N	N	N
W-P8	18.2	4	61.7	0.0	50.8	62.0	16.3	75.4	75.4	75.7	65	Y	0.3	N	N	N
W-P8	22.2	5	62.1	0.0	51.4	62.4	16.6	75.6	75.6	75.7	65	Y	0.1	N	N	N
W-P8	26.2	6	62.4	0.0	52.1	62.8	17.1	75.6	75.6	75.8	65	Y	0.2	N	N	N
W-P8	30.2	7	62.7	0.0	52.4	63.1	18.5	75.6	75.6	75.9	65	Y	0.3	N	N	N
W-P8	34.2	8	63.4	0.0	52.8	63.7	21.3	75.6	75.6	76.0	65	Y	0.4	N	N	N
W-P8	38.2	9	63.7	0.0	53.2	64.1	24.7	75.6	75.6	76.0	65	Y	0.4	N	N	N
W-P8	42.2	10	64.4	0.0	53.7	64.7	29.0	75.7	75.7	76.0	65	Y	0.3	N	N	N
W-P9	31.2	5	18.0	49.1	52.3	54.0	0.0	63.4	63.4	63.9	70	N	0.5	N	N	N
W-P9	34.5	6	19.5	49.4	52.5	54.2	0.0	63.8	63.8	64.2	70	N	0.4	N	N	N
W-P9	37.8	7	21.6	49.8	52.6	54.4	0.0	64.0	64.0	64.5	70	N	0.5	N	N	N
W-P9	41.1	8	23.6	50.2	52.6	54.6	0.0	64.3	64.3	64.8	70	N	0.5	N	N	N
W-P9	44.4	9	25.2	50.5	52.8	54.8	0.0	64.5	64.5	64.9	70	N	0.4	N	N	N
W-P9	47.7	10	26.4	51.0	52.8	55.0	0.0	64.7	64.7	65.1	70	N	0.4	N	N	N
W-P9	51.0	11	27.4	51.5	52.8	55.3	0.0	64.9	64.9	65.3	70	N	0.4	N	N	N
W-P9	54.3	12	28.5	51.9	52.9	55.4	0.0	65.1	65.1	65.6	70	N	0.5	N	N	N
W-P9	57.6	15	29.1	52.3	52.9	55.7	0.0	65.4	65.4	65.8	70	N	0.4	N	N	N
W-P9	60.9	16	29.5	52.7	53.0	55.9	0.0	65.7	65.7	66.1	70	N	0.4	N	N	N
W-P9	64.2	17	29.7	53.1	53.1	56.1	0.0	66.0	66.0	66.4	70	N	0.4	N	N	N
W-P9	67.5	18	29.8	53.5	53.2	56.4	0.0	66.2	66.2	66.6	70	N	0.4	N	N	N
W-P9	70.8	19	29.8	53.8	53.4	56.6	0.0	66.4	66.4	66.8	70	N	0.4	N	N	N
W-P9	74.1	20	29.9	54.0	53.5	56.8	0.0	66.6	66.6	67.1	70	N	0.5	N	N	N
W-P9	77.4	21	29.9	54.3	53.5	57.0	0.0	66.8	66.8	67.2	70	N	0.4	N	N	N
W-P9	80.7	22	29.8	54.6	53.7	57.2	0.0	67.0	67.0	67.4	70	N	0.4	N	N	N
W-P9	84.0	23	29.9	54.9	53.9	57.5	0.0	67.1	67.1	67.6	70	N	0.5	N	N	N
W-P9	87.3	25	29.8	55.1	54.2	57.7	0.0	67.3	67.3	67.8	70	N	0.5	N	N	N
W-P9	90.6	26	29.9	55.3	54.6	58.0	0.0	67.5	67.5	67.9	70	N	0.4	N	N	N
W-P9	93.9	27	29.9	55.5	54.7	58.2	0.0	67.5	67.5	68.0	70	N	0.5	N	N	N
W-P9	97.2	28	30.0	55.7	55.0	58.4	0.0	67.6	67.6	68.1	70	N	0.5	N	N	N
W-P9	100.5	29	30.0	55.9	55.3	58.7	0.0	67.7	67.7	68.2	70	N	0.5	N	N	N
W-P9	103.8	30	30.0	56.1	55.6	58.9	0.0	67.8	67.8	68.3	70	N	0.5	N	N	N
W-P9	107.1	31	30.1	56.2	55.8	59.1	0.0	67.8	67.8	68.4	70	N	0.6	N	N	N
W-P9	110.4	32	30.1	56.3	56.0	59.2	0.0	67.9	67.9	68.4	70	N	0.5	N	N	N
W-P9	113.7	33	30.2	56.5	56.1	59.4	0.0	67.9	67.9	68.4	70	N	0.5	N	N	N
W-P9	117.0	35	30.2	56.7	56.3	59.5	0.0	67.9	67.9	68.5	70	N	0.6	N	N	N
W-P9	120.3	36	30.2	56.8	56.4	59.6	0.0	67.9	67.9	68.5	70	N	0.6	N	N	N
W-P9	123.6	37	30.1	56.9	56.5	59.7	0.0	67.9	67.9	68.6	70	N	0.7	N	N	N
W-P9	126.9	38	30.1	57.0	56.6	59.8	0.0	67.9	67.9	68.6	70	N	0.7	N	N	N

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			WITH PROJECT													
Assessment Point			CKR [A]	GRF [B]	Hoi Wang Road [C]	Project Road [D] = [A] + [B] + [C]	Planned Road [E]	Existing [F]	Planned Road + Existing [G] = [E] + [F]	OVERALL NOISE LEVEL [H] = [D] + [G]	Noise Criteria	Exceedance Overall > Criteria	Check Project Impact Significance		Check Direct Mitigation	Mitigation Measures
													[H] - [G]		Project Road > Criteria	
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-P10	31.2	5	25.1	55.2	46.2	55.7	0.0	69.7	69.7	69.9	70	N	0.2	N	N	N
W-P10	34.5	6	25.4	55.9	46.3	56.4	0.0	69.6	69.6	69.8	70	N	0.2	N	N	N
W-P10	37.8	7	25.9	56.5	46.3	56.9	0.0	69.5	69.5	69.8	70	N	0.3	N	N	N
W-P10	41.1	8	26.0	56.9	46.3	57.3	0.0	69.4	69.4	69.6	70	N	0.2	N	N	N
W-P10	44.4	9	26.2	57.3	46.2	57.7	0.0	69.3	69.3	69.6	70	N	0.3	N	N	N
W-P10	47.7	10	26.2	57.7	46.3	58.0	0.0	69.3	69.3	69.6	70	N	0.3	N	N	N
W-P10	51.0	11	26.4	58.1	46.3	58.4	0.0	69.2	69.2	69.6	70	N	0.4	N	N	N
W-P10	54.3	12	26.4	58.4	46.3	58.7	0.0	69.2	69.2	69.6	70	N	0.4	N	N	N
W-P10	57.6	15	26.6	58.7	46.4	59.0	0.0	69.2	69.2	69.6	70	N	0.4	N	N	N
W-P10	60.9	16	26.7	59.0	46.4	59.3	0.0	69.3	69.3	69.7	70	N	0.4	N	N	N
W-P10	64.2	17	26.8	59.2	46.5	59.4	0.0	69.3	69.3	69.8	70	N	0.5	N	N	N
W-P10	67.5	18	26.8	59.4	46.5	59.6	0.0	69.4	69.4	69.8	70	N	0.4	N	N	N
W-P10	70.8	19	26.9	59.7	46.6	59.9	0.0	69.4	69.4	69.8	70	N	0.4	N	N	N
W-P10	74.1	20	26.8	59.8	46.7	60.0	0.0	69.4	69.4	69.8	70	N	0.4	N	N	N
W-P10	77.4	21	26.9	60.0	46.8	60.2	0.0	69.3	69.3	69.9	70	N	0.6	N	N	N
W-P10	80.7	22	26.8	60.1	46.8	60.3	0.0	69.3	69.3	69.8	70	N	0.5	N	N	N
W-P10	84.0	23	26.8	60.3	47.0	60.5	0.0	69.3	69.3	69.8	70	N	0.5	N	N	N
W-P10	87.3	25	26.8	60.4	47.1	60.6	0.0	69.3	69.3	69.9	70	N	0.6	N	N	N
W-P10	90.6	26	26.7	60.6	47.3	60.8	0.0	69.3	69.3	69.8	70	N	0.5	N	N	N
W-P10	93.9	27	26.6	60.7	47.5	60.9	0.0	69.2	69.2	69.9	70	N	0.7	N	N	N
W-P10	97.2	28	26.6	60.8	47.7	61.0	0.0	69.2	69.2	69.8	70	N	0.6	N	N	N
W-P10	100.5	29	26.6	60.9	48.2	61.2	0.0	69.2	69.2	69.8	70	N	0.6	N	N	N
W-P10	103.8	30	26.5	60.9	48.5	61.2	0.0	69.2	69.2	69.8	70	N	0.6	N	N	N
W-P10	107.1	31	26.4	61.1	48.9	61.4	0.0	69.2	69.2	69.9	70	N	0.7	N	N	N
W-P10	110.4	32	26.4	61.1	49.5	61.4	0.0	69.2	69.2	69.8	70	N	0.6	N	N	N
W-P10	113.7	33	26.3	61.2	50.1	61.6	0.0	69.1	69.1	69.8	70	N	0.7	N	N	N
W-P10	117.0	35	26.2	61.3	50.3	61.7	0.0	69.1	69.1	69.8	70	N	0.7	N	N	N
W-P10	120.3	36	26.1	61.4	50.7	61.8	0.0	69.1	69.1	69.7	70	N	0.6	N	N	N
W-P10	123.6	37	26.2	61.4	51.1	61.8	0.0	69.0	69.0	69.7	70	N	0.7	N	N	N
W-P10	126.9	38	26.1	61.5	51.5	62.0	0.0	69.0	69.0	69.7	70	N	0.7	N	N	N
W-P11	31.2	5	57.0	0.0	61.1	62.5	61.1	65.2	66.7	68.0	70	N	1.3	Y	N	N
W-P11	34.5	6	58.3	0.0	61.0	62.9	61.1	65.7	67.0	68.4	70	N	1.4	Y	N	N
W-P11	37.8	7	59.8	0.0	60.8	63.3	61.0	66.0	67.2	68.7	70	N	1.5	Y	N	N
W-P11	41.1	8	60.5	0.0	60.7	63.6	61.0	66.3	67.4	68.9	70	N	1.5	Y	N	N
W-P11	44.4	9	60.9	0.0	60.7	63.8	61.0	66.4	67.5	69.0	70	N	1.5	Y	N	N
W-P11	47.7	10	61.3	0.0	60.6	64.0	61.1	66.6	67.7	69.2	70	N	1.5	Y	N	N
W-P11	51.0	11	61.6	0.0	60.6	64.2	61.1	66.7	67.8	69.4	70	N	1.6	Y	N	N
W-P11	54.3	12	61.8	0.0	60.6	64.3	61.0	66.8	67.8	69.4	70	N	1.6	Y	N	N
W-P11	57.6	15	62.0	0.0	60.6	64.3	61.0	66.9	67.9	69.5	70	N	1.6	Y	N	N
W-P11	60.9	16	62.1	0.0	60.6	64.4	61.0	67.0	68.0	69.5	70	N	1.5	Y	N	N
W-P11	64.2	17	62.2	0.0	60.5	64.5	61.0	67.0	68.0	69.6	70	N	1.6	Y	N	N
W-P11	67.5	18	62.3	0.0	60.5	64.5	61.0	67.1	68.0	69.6	70	N	1.6	Y	N	N
W-P11	70.8	19	62.4	0.0	60.5	64.6	61.0	67.1	68.1	69.7	70	N	1.6	Y	N	N
W-P11	74.1	20	62.5	0.0	60.5	64.6	60.9	67.2	68.1	69.7	70	N	1.6	Y	N	N
W-P11	77.4	21	62.5	0.0	60.4	64.6	60.9	67.2	68.1	69.7	70	N	1.6	Y	N	N
W-P11	80.7	22	62.6	0.0	60.4	64.6	60.9	67.3	68.2	69.8	70	N	1.6	Y	N	N
W-P11	84.0	23	62.6	0.0	60.4	64.7	60.8	67.3	68.2	69.8	70	N	1.6	Y	N	N
W-P11	87.3	25	62.7	0.0	60.3	64.7	60.8	67.4	68.2	69.8	70	N	1.6	Y	N	N
W-P11	90.6	26	62.7	0.0	60.3	64.7	60.8	67.5	68.3	69.9	70	N	1.6	Y	N	N
W-P11	93.9	27	62.8	0.0	60.3	64.7	60.8	67.6	68.4	69.9	70	N	1.5	Y	N	N
W-P11	97.2	28	62.9	0.0	60.2	64.8	60.7	67.8	68.5	70.0	70	N	1.5	Y	N	N
W-P11	100.5	29	62.9	0.0	60.1	64.8	60.7	67.8	68.6	70.1	70	N	1.5	Y	N	N
W-P11	103.8	30	63.0	0.0	60.1	64.8	60.7	68.0	68.7	70.2	70	N	1.5	Y	N	N
W-P11	107.1	31	63.1	0.0	60.0	64.9	60.6	68.1	68.7	70.3	70	N	1.6	Y	N	N
W-P11	110.4	32	63.2	0.0	60.0	64.9	60.6	68.1	68.8	70.3	70	N	1.5	Y	N	N
W-P11	113.7	33	63.3	0.0	60.0	64.9	60.6	68.1	68.8	70.4	70	N	1.6	Y	N	N
W-P11	117.0	35	63.4	0.0	59.9	65.0	60.5	68.2	68.9	70.4	70	N	1.5	Y	N	N
W-P11	120.3	36	63.5	0.0	59.8	65.1	60.5	68.2	68.9	70.4	70	N	1.5	Y	N	N
W-P11	123.6	37	63.7	0.0	59.8	65.2	60.5	68.2	68.9	70.4	70	N	1.5	Y	N	N
W-P11	126.9	38	63.8	0.0	59.8	65.2	60.4	68.2	68.9	70.4	70	N	1.5	Y	N	N

Project: 217722-70 Agreement No. CE43/2010 (HY) CKR
Title: Detailed Calculation of Road Traffic Noise
Scenario: Mitigated

Assessment Point			WITH PROJECT													
			CKR	GRF	Hoi Wang Road	Project Road	Planned Road	Existing	Planned Road + Existing	OVERALL NOISE LEVEL	Noise	Exceedance	Check Project Impact Significance		Check Direct Mitigation	Mitigation
			[A]	[B]	[C]	[D] = [A] + [B] + [C]	[E]	[F]	[G] = [E] + [F]	[H] = [D] + [G]	Criteria	Overall > Criteria	[H] - [G]		Project Road > Criteria	Measures
ID	mPD	Floor	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	(Y/N)	dB(A)	> or = 1dB(A)		Required? (Y/N)
W-P12	31.2	5	23.8	56.4	0.0	56.4	0.0	70.6	70.6	70.8	70	Y	0.2	N	N	N
W-P12	34.5	6	24.3	57.1	0.0	57.1	0.0	70.5	70.5	70.7	70	Y	0.2	N	N	N
W-P12	37.8	7	24.6	57.6	0.0	57.6	0.0	70.3	70.3	70.6	70	Y	0.3	N	N	N
W-P12	41.1	8	24.8	58.1	0.0	58.1	0.0	70.3	70.3	70.5	70	Y	0.2	N	N	N
W-P12	44.4	9	25.0	58.4	0.0	58.4	0.0	70.2	70.2	70.5	70	Y	0.3	N	N	N
W-P12	47.7	10	25.1	58.7	0.0	58.7	0.0	70.0	70.0	70.3	70	N	0.3	N	N	N
W-P12	51.0	11	25.1	59.0	0.0	59.0	0.0	70.0	70.0	70.3	70	N	0.3	N	N	N
W-P12	54.3	12	25.2	59.3	0.0	59.3	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	57.6	15	25.3	59.5	0.0	59.5	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	60.9	16	25.3	59.7	0.0	59.7	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	64.2	17	25.5	59.9	0.0	59.9	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	67.5	18	25.5	60.1	0.0	60.1	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	70.8	19	25.6	60.3	0.0	60.3	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	74.1	20	25.6	60.4	0.0	60.4	0.0	69.9	69.9	70.3	70	N	0.4	N	N	N
W-P12	77.4	21	25.7	60.6	0.0	60.6	0.0	69.9	69.9	70.4	70	N	0.5	N	N	N
W-P12	80.7	22	25.7	60.7	0.0	60.7	0.0	69.8	69.8	70.3	70	N	0.5	N	N	N
W-P12	84.0	23	25.7	60.8	0.0	60.8	0.0	69.8	69.8	70.3	70	N	0.5	N	N	N
W-P12	87.3	25	25.6	61.0	0.0	61.0	0.0	69.7	69.7	70.3	70	N	0.6	N	N	N
W-P12	90.6	26	25.6	61.0	0.0	61.0	0.0	69.7	69.7	70.2	70	N	0.5	N	N	N
W-P12	93.9	27	25.6	61.2	0.0	61.2	0.0	69.7	69.7	70.3	70	N	0.6	N	N	N
W-P12	97.2	28	25.6	61.3	0.0	61.3	0.0	69.6	69.6	70.2	70	N	0.6	N	N	N
W-P12	100.5	29	25.5	61.4	0.0	61.4	0.0	69.5	69.5	70.2	70	N	0.7	N	N	N
W-P12	103.8	30	25.4	61.4	0.0	61.4	0.0	69.5	69.5	70.2	70	N	0.7	N	N	N
W-P12	107.1	31	25.4	61.5	0.0	61.5	0.0	69.5	69.5	70.1	70	N	0.6	N	N	N
W-P12	110.4	32	25.3	61.6	0.0	61.6	0.0	69.5	69.5	70.1	70	N	0.6	N	N	N
W-P12	113.7	33	25.3	61.6	0.0	61.6	0.0	69.4	69.4	70.0	70	N	0.6	N	N	N
W-P12	117.0	35	25.2	61.7	0.0	61.7	0.0	69.4	69.4	70.1	70	N	0.7	N	N	N
W-P12	120.3	36	25.2	61.8	0.0	61.8	0.0	69.3	69.3	70.0	70	N	0.7	N	N	N
W-P12	123.6	37	25.1	61.9	0.0	61.9	0.0	69.3	69.3	70.0	70	N	0.7	N	N	N
W-P12	126.9	38	25.0	61.9	0.0	61.9	0.0	69.2	69.2	69.9	70	N	0.7	N	N	N
W-P13	31.2	5	55.0	0.0	53.7	57.5	66.2	67.0	69.6	69.9	70	N	0.3	N	N	N
W-P13	34.5	6	55.8	0.0	54.0	58.0	66.0	67.5	69.8	70.1	70	N	0.3	N	N	N
W-P13	37.8	7	56.7	0.0	54.1	58.6	65.8	67.6	69.8	70.1	70	N	0.3	N	N	N
W-P13	41.1	8	57.6	0.0	54.2	59.2	65.7	67.8	69.9	70.2	70	N	0.3	N	N	N
W-P13	44.4	9	58.1	0.0	54.4	59.7	65.6	67.8	69.9	70.3	70	N	0.4	N	N	N
W-P13	47.7	10	58.6	0.0	54.6	60.1	65.4	67.8	69.8	70.3	70	N	0.5	N	N	N
W-P13	51.0	11	59.0	0.0	54.9	60.4	65.3	67.8	69.8	70.2	70	N	0.4	N	N	N
W-P13	54.3	12	59.3	0.0	55.2	60.7	65.2	67.9	69.7	70.2	70	N	0.5	N	N	N
W-P13	57.6	15	59.5	0.0	55.6	61.0	65.2	67.8	69.7	70.3	70	N	0.6	N	N	N
W-P13	60.9	16	59.7	0.0	55.8	61.3	65.1	67.8	69.7	70.3	70	N	0.6	N	N	N
W-P13	64.2	17	59.9	0.0	56.0	61.4	65.0	67.8	69.6	70.2	70	N	0.6	N	N	N
W-P13	67.5	18	60.1	0.0	56.1	61.6	64.9	67.8	69.6	70.2	70	N	0.6	N	N	N
W-P13	70.8	19	60.2	0.0	56.4	61.7	64.9	67.8	69.6	70.2	70	N	0.6	N	N	N
W-P13	74.1	20	60.3	0.0	56.5	61.8	64.8	67.8	69.6	70.2	70	N	0.6	N	N	N
W-P13	77.4	21	60.4	0.0	56.6	61.9	64.7	67.8	69.6	70.2	70	N	0.6	N	N	N
W-P13	80.7	22	60.5	0.0	56.8	62.0	64.7	67.7	69.5	70.2	70	N	0.7	N	N	N
W-P13	84.0	23	60.6	0.0	56.9	62.1	64.6	67.7	69.5	70.2	70	N	0.7	N	N	N
W-P13	87.3	25	60.6	0.0	57.0	62.2	64.5	67.8	69.5	70.2	70	N	0.7	N	N	N
W-P13	90.6	26	60.7	0.0	57.1	62.3	64.5	67.8	69.5	70.2	70	N	0.7	N	N	N
W-P13	93.9	27	60.7	0.0	57.1	62.3	64.4	67.9	69.5	70.3	70	N	0.8	N	N	N
W-P13	97.2	28	60.8	0.0	57.2	62.4	64.3	67.9	69.5	70.3	70	N	0.8	N	N	N
W-P13	100.5	29	60.8	0.0	57.2	62.4	64.3	68.0	69.6	70.3	70	N	0.7	N	N	N
W-P13	103.8	30	60.9	0.0	57.2	62.4	64.3	68.0	69.5	70.3	70	N	0.8	N	N	N
W-P13	107.1	31	60.9	0.0	57.3	62.5	64.2	68.0	69.5	70.3	70	N	0.8	N	N	N
W-P13	110.4	32	60.9	0.0	57.3	62.5	64.1	68.0	69.5	70.3	70	N	0.8	N	N	N
W-P13	113.7	33	61.0	0.0	57.3	62.5	64.1	68.0	69.5	70.3	70	N	0.8	N	N	N
W-P13	117.0	35	61.0	0.0	57.3	62.6	64.0	68.0	69.4	70.3	70	N	0.9	N	N	N
W-P13	120.3	36	61.1	0.0	57.3	62.6	64.0	68.0	69.4	70.3	70	N	0.9	N	N	N
W-P13	123.6	37	61.1	0.0	57.3	62.6	63.9	68.0	69.4	70.3	70	N	0.9	N	N	N
W-P13	126.9	38	61.2	0.0	57.3	62.7	63.9	68.0	69.4	70.3	70	N	0.9	N	N	N
W-P14	31.2	5	55.9	0.0	55.7	58.8	63.6	65.6	67.7	68.3	70	N	0.6	N	N	N
W-P14	34.5	6	56.9	0.0	55.9	59.5	63.5	66.2	68.1	68.6	70	N	0.5	N	N	N
W-P14	37.8	7	58.3	0.0	56.0	60.3	63.5	66.5	68.3	68.9	70	N	0.6	N	N	N
W-P14	41.1	8	59.2	0.0	56.1	60.9	63.4	66.8	68.4	69.1	70	N	0.7	N	N	N
W-P14	44.4	9	59.8	0.0	56.2	61.3	63.4	66.9	68.5	69.2	70	N	0.7	N	N	N
W-P14	47.7	10	60.3	0.0	56.5	61.8	63.3	67.1	68.6	69.4	70	N	0.8	N	N	N
W-P14	51.0	11	60.5	0.0	56.7	62.1	63.3	67.2	68.6	69.5	70	N	0.9	N	N	N
W-P14	54.3	12	60.7	0.0	57.0	62.2	63.2	67.3	68.7	69.6	70	N	0.9	N	N	N
W-P14	57.6	15	61.0	0.0	57.2	62.5	63.2	67.3	68.7	69.7	70	N	1.0	Y	N	N
W-P14	60.9	16	61.2	0.0	57.3	62.7	63.1	67.4	68.7	69.7	70	N	1.0	Y	N	N
W-P14	64.2	17	61.3	0.0	57.5	62.8	63.1	67.4	68.8	69.8	70	N	1.0	Y	N	N
W-P14	67.5	18	61.3	0.0	57.6	62.9	63.0	67.5	68.8	69.8	70	N	1.0	Y	N	N
W-P14	70.8	19	61.5	0.0	57.7	63.0	63.0	67.5	68.8	69.8	70	N	1.0	Y	N	N
W-P14	74.1	20	61.5	0.0	57.9	63.0	62.9	67.5	68.8	69.8	70	N	1.0	Y	N	N
W-P14	77.4	21	61.6	0.0	57.9	63.1	62.9	67.5	68.8	69.8	70	N	1.0	Y	N	N
W-P14	80.7	22	61.7	0.0	58.0	63.2	62.8	67.6	68.8	69.9	70	N	1.1	Y	N	N
W-P14	84.0	23	61.7	0.0	58.1	63.3	62.8	67.6	68.8	69.8	70	N	1.0	Y	N	N
W-P14	87.3	25	61.7	0.0	58.2	63.3	62.8	67.6	68.8	69.9	70	N	1.1	Y	N	N
W-P14	90.6	26	61.8	0.0	58.2	63.3	62.7	67.7	68.9	69.9	70	N	1.0	Y	N	N
W-P14	93.9	27	61.8	0.0	58.2	63.4	62.6	67.7	68.9	70.0	70	N	1.1	Y	N	N
W-P14	97.2	28	61.8	0.0	58.2	63.4	62.6	67.8	69.0	70.1	70	N	1.1	Y	N	N
W-P14	100.5	29	61.8	0.0	58.2	63.4	62.6	68.0	69.1	70.1	70	N	1.0	Y	N	N
W-P14	103.8	30	61.9	0.0	58.2	63.4	62.5	68.0	69.1	70.2	70	N	1.1	Y	N	N
W-P14	107.1	31	62.0	0.0	58.2	63.5	62.5	68.0	69.1	70.2	70	N	1.1	Y	N	N
W-P14	110.4	32	61.9	0.0	58.2	63.5	62.5	68.1	69.1	70.2	70	N	1.1	Y	N	N
W-P14	113.7	33	62.0	0.0	58.2	63.5	62.4	68.1	69.1	70.2	70	N	1.1	Y	N	N
W-P14	117.0	35	62.1	0.0	58.2	63.6	62.4	68.1	69.1	70.2	70	N	1.1	Y	N	N
W-P14	120.3	36	62.1	0.0	58.1	63.6	62.3	68.2	69.1	70.2	70	N	1.1	Y	N	N
W-P14	123.6	37	62.2	0.0	58.1	63.6	62.3	68.2	69.1	70.2	70	N	1.1	Y	N	N
W-P14	126.9	38	62.2	0.0	58.1	63.7	62.3	68.2	69.1	70.2	70	N	1.1	Y	N	N

Note: Project Road includes Central Kowloon Route, Reprovision of Gascoigne Road Flyover and Re-aligned Hoi Wang Road.
Note: Planned Road includes Road D1A(N), D1A(S), Road Works in West Kowloon and Proposed Road Improvement Works in West Kowloon Reclamation .Development Phase 1