

Appendix 4.9A
**Plant List of the Concurrent
Projects**

Appendix 4.9A - Sound Power Level of the Concurrent Projects

Trenchless Cable Duct Crossings at Nga Cheung Road

Stage 1

PME	CNP Code	SWL, dB(A)	No. of Plant	% on time	Sub-toal, dB(A)	Total SWL, dB(A)
Dump truck, 5.5 tonne < gross vehicle weight <38 tonne	CNP 068	105	1	50%	102	115
Lorry	CNP 141	112	1	50%	109	
Generator, standard	CNP 101	108	1	80%	107	
Excavator, mini-robot mounted	CNP 082	94	2	50%	94	
Breaker, hand-held, mass>35 kg	CNP 026	114	1	60%	112	

Stage 2

PME	CNP Code	SWL, dB(A)	No. of Plant	% on time	Sub-toal, dB(A)	Total SWL, dB(A)
Generator, silenced	CNP 102	100	1	80%	99	110
Asphalt Paver	CNP 004	109	1	50%	106	
Road Roller	CNP 185	108	1	50%	105	
Power Rammer (petrol)	CNP 169	108	1	50%	105	



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BLACK & VEATCH HONG KONG LIMITED
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Tel 電話 +852 2601 1000 • Fax 傳真 +852 2601 3988
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OUR REF 382706-1732
YOUR REF
DATE 27 August 2012



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Distribution List

Dear Sirs,

Outline Agreement No. 4600003274
Transmission Cable Route Selection Consultancy Services
Feasibility Study of Trenchless Cable Duct Crossings at Nga Cheung Road
(Project No.12270)

We have been commissioned by CLP Power Hong Kong Limited to carry out a feasibility study for construction of three cable duct crossings by trenchless method along the northbound lane of Nga Cheung Road. The cable duct crossings are used to house new 132kV cable circuits which form parts of electricity supply for the development of West Kowloon Cultural District. The construction works are scheduled to commence in the second quarter of 2013 and expected to be complete by mid 2015.

As requested by Urban Region (Kowloon), Highways Department, we are pleased to enclose for your comment a copy of Drawings regarding the optimum alignment and sectional profile of the proposed cable duct crossings.

Due to tight project programme for the study, we shall be grateful for your provision of comments on the proposed cable duct crossing by **14 September 2012**. Your early reply will be much appreciated. Should you have any queries, please do not hesitate to contact our Mr. K. L. Tse or Mr. Jeremy Wong at 2601 1000.

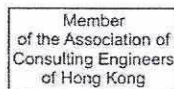
Yours faithfully,
for and on behalf of
BLACK & VEATCH HONG KONG LIMITED

ANDY Y. KWOK
PROJECT MANAGER

Encl.

cc: CLP Power/EPD – Attn: Messrs. L. T. Chow / K.P. Lau

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OUR REF 382706-1732

YOUR REF

DATE 27 August 2012

| PAGE 2

Distribution List

West Harbour Tunnel Company Limited
Administration Building,
Western Harbour Crossing,
Yau Ma Tei,
Kowloon

For the attention of Mr. Keith Kong

✓ Parsons Brinckerhoff (Asia) Limited
7/F, One Kowloon
1 Wang Yuen Street,
Kowloon Bay,
Kowloon
(Consultant of Agreement No. CE44/2011(HY))

Likely Powered Mechanical Equipment for Construction of the CSBCSPS, DWFI compound and associated facilities
[Mitigation 1- Quiet Plant]

Sheet Piling

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Piling, vibrating hammer	*	1	115	80%	114	114

Excavation

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator/loader, wheeled/tracked	*	1	94	80%	93	104
Dump truck [1]	*	1	105	80%	104	

Modification Works for Existing Box Culvert (Only for DWFI compound and associated facilities)

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Saw/Groover, Concrete (petrol)	203	1	115	80%	114	114
Water pumps, submersible (electric)	283	1	85	80%	84	

Construction of Substructure/Structure

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile/barge mounted (diesel)	QPME-EPD-01058	1	107	80%	106	110
Concrete lorry mixer	044	1	109	60%	107	
Poker, vibratory, hand-held	*	1	102	80%	101	

Backfilling and Extraction of Piles

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator/loader, wheeled/tracked	*	1	94	75%	93	109
Dump truck [1]	*	1	105	80%	104	
Compactor, vibratory	050	1	105	80%	104	
Crane, mobile/barge mounted (diesel)	QPME-EPD-01058	1	107	70%	105	
Piling, diaphragm wall, hydraulic extractor	163	1	90	80%	89	

E&M Installations

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Crane, mobile/barge mounted (diesel)	QPME-EPD-01058	1	107	90%	107	109
Lorry [2]	*	1	105	85%	104	

Finishing and Landscaping Works

Type of PME	TM Code / Other reference	Number of Equipment	SWL, dB(A)	Assume Percentage of On-time Usage	Summation of SWL, dB(A)	Total SWL, dB(A)
Excavator/loader, wheeled/tracked	081	1	112	50%	109	111
Crane, mobile/barge mounted (diesel)	QPME-EPD-01058	1	107	60%	105	
Lorry [2]	*	1	105	80%	104	

Notes:

SWL = Sound Power Level of a Powered Mechanical Equipment (PME)

TM = Technical Memorandum on Noise from Construction Work other than Percussive Piling

* = Sound Power Levels of Other Commonly Used PME (Source: Guidance Notes for Licence Application in EPD website)

QPME = Quality Powered Mechanical Equipment (Source: An Administrative System on the Use of QPME in EPD website)

[1] = Dump truck, with grab (5.5 tonne < gross vehicle weight < 38 tonne)

[2] = Lorry with crane/grab (5.5 tonne < gross vehicle weight < 38 tonne)

Appendix 4.9B

**Sound Power Level of the
Concurrent Projects**

Appendix 4.9C

**Notional Distance from
Construction Sites of the
Concurrent Projects**

Appendix 4.9C - Notional Distance, Correction and Screening of NSRs

Vertical distance From Ground(m)

Vertical distance	NSR															
	IHV	FR	PAV	CG	LKPC	YCS	SRT	CLS	ASD1	ASD2	FSDO	ASC	LCMS	VT	GB	YTB
	12	28	25	6	6	6	39	35	10	10	20	10	4	43	6	8

Notional Distance (Slant Distance) from Concurrent Construction Sites to NSR (m)

Work sites	NSR															
	IHV	FR	PAV	CG	LKPC	YCS	SRT	CLS	ASD1	ASD2	FSDO	ASC	LCMS	VT	GB	YTB
CKR West Portion - S1						212										
CKR West Portion - S2						214										
CKR West Portion - S3						280										
CKR West Portion - S20						221										
CKR West Portion - S23				292	271	226										
XRL - Works Area : WKT - Zone 1									220	100	59	295	143	87	135	
XRL - Works Area : WKT - Zone 2									104	132	282	150		227	208	213
XRL - Works Area : WKT - Zone 3							299		136	250		100			273	220
XRL - Works Area : WKT - Zone 4							188					200				176
XRL - Works Area : WKT - Zone 5						285										
RWWK - WorkArea Zone 2									104	46	152	150	175	103	104	254
RWWK - WorkArea Zone 3							277		136	250		100			241	177
RWWK - WorkArea Zone 4							279					200				233
RWWK - WorkArea Zone 5																
Agreement No. CE 1/2012 (DS) Box C	157	247	214													
Construction of three cable duct							46	77								
Act2-Zone 1									212	99	58		75	85	121	
Act3-Zone 1									212	99	84		105	89	126	
Act4-Zone 1									212	99	84		105	89	126	
Act5-Zone 1									212	99	84		105	89	126	
Act1-Zone2.1																
Act1-Zone2.2																
Act1-Zone2.3											252					
Act1-Zone2.4									240	196	89		160	185	206	
Act1-Zone2.5										262	71		150	195	251	
Act1-Zone2.6											227					
Act1-Zone2.7																
Act1-Zone2.8																
Act2-Zone2.1																
Act2-Zone2.2											252					
Act2-Zone2.3																
Act2-Zone2.4									240	196	89		160	185	206	
Act2-Zone2.5										262	71		150	195	251	
Act2-Zone2.6											227					
Act2-Zone2.7																
Act2-Zone2.8																
Act3-Zone2.1																
Act3-Zone2.2																
Act3-Zone2.3											257					
Act3-Zone2.4									240	196	114		205	218	251	
Act3-Zone2.5										262	99		195	218	286	
Act3-Zone2.6											252					
Act3-Zone2.7																
Act3-Zone2.8																
Act4-Zone2.1																
Act4-Zone2.2																
Act4-Zone2.3											257					
Act4-Zone2.4									240	196	114		205	218	251	
Act4-Zone2.5										262	99		195	218	286	
Act4-Zone2.6											252					
Act4-Zone2.7																
Act4-Zone2.8																
Act5-Zone2											234					
Act1-Zone3																
Act2-Zone3																
Act3-Zone3																
Act4-Zone3																
Park Construction-1A																
Park Construction-1B										289	75		150	227		
ICC Footbridge								274								
Flyover																
South Pier																

Noise sources at more than 300m from the sensitive receiver are not considered in cumulative noise assessment due to large distance attenuation effect.

Appendix 4.9D

**Detailed Calculation of
Construction Noise Level of the
Concurrent Projects**

NSR : IHV		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1																								
148	Works Area V: WKT - Zone 1																								
150	Works Area V: WKT - Zone 1																								
151	Works Area V: WKT - Zone 1																								
158	Works Area V: WKT- Zone 2																								
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169	Works Area V: WKT- Zone 3																								
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177	Works Area V: C&C Tunnel Zone 4																								
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183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2																								
4	WorkArea: Zone 2																								
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated project	65	65	65	65	65	65	55	55	55	55	55	55	61	61	61	61	61	61	61	61	61	61		
	Non-Designated Project	65	65	65	65	65	65	55	55	55	55	55	65	65	65	65	67	67	67	67	67	67	67		
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
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3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								

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NSR : FR		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
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12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project	61	61	61	61	61	61	51	51	51	51	57	57	57	57	57	57	57	57	57	57	57			
	Non-Designated Project	61	61	61	61	61	61	51	51	51	61	61	61	61	63	63	63	63	63	63	63	63			
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5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								

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Stage	NSR : PAV	SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
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	Designated Project	62	63	63	63	63	63	52	52	52	52	52	58	58	58	58	58	58	58	58	58	58	58		
	Non-Designated Project	62	63	63	63	63	63	52	52	52	52	52	62	62	62	62	64	64	64	64	64	64	64		
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8	South Pier																								

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NSR : CG		SPL (dB(A))																							
		2014												2015											
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
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S23	West Portion-Stage 2												55	55	55	55	55	59	59	57	57	57	57	57	
Express Rail Link																									
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	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4																								
2	Act2-Zone2.5																								
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
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2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
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2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								

0 0 0 0 0 0 0 0 0 0 0 0 0 55 55 55 55 55 59 59 57 57 57 57 57

Stage		SPL (dB(A))																							
		2014						2015																	
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1																								
148	Works Area V: WKT - Zone 1																								
150	Works Area V: WKT - Zone 1																								
151	Works Area V: WKT - Zone 1																								
158	Works Area V: WKT- Zone 2																								
160	Works Area V: WKT- Zone 2																								
161	Works Area V: WKT- Zone 2																								
169	Works Area V: WKT- Zone 3																								
170	Works Area V: WKT- Zone 3																								
171	Works Area V: WKT- Zone 3																								
172	Works Area V: WKT- Zone 3																								
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2																								
4	WorkArea: Zone 2																								
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
Designated Project																									
Non-Designated Project																									
Trenchless Cable Duct Crossings at Nga Cheung Road																									
Construction of three cable duct																									
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
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2	Act2-Zone2.1																								
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2	Act2-Zone2.5																								
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2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
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2	Act3-Zone2.4																								
2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
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2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		0	0	0	0	0	0	0	0	0	0	0	0	0	55	55	55	55	55	55	59	59	57	57	57

NSR : YCS		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
		SPL (dB(A))																							
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1																								
148	Works Area V: WKT - Zone 1																								
150	Works Area V: WKT - Zone 1																								
151	Works Area V: WKT - Zone 1																								
158	Works Area V: WKT- Zone 2																								
160	Works Area V: WKT- Zone 2																								
161	Works Area V: WKT- Zone 2																								
169	Works Area V: WKT- Zone 3																								
170	Works Area V: WKT- Zone 3																								
171	Works Area V: WKT- Zone 3																								
172	Works Area V: WKT- Zone 3																								
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5	55	55	55	55	55	55	55	55																
Road Works at West Kowloon																									
3	WorkArea: Zone 2																								
4	WorkArea: Zone 2																								
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
2	Act1-Zone2.6																								
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2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
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2	Act2-Zone2.6																								
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2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4																								
2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
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2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		55	55	55	55	55	55	55	55	0	0	0	63	63	65	65	65	66	66	63	63	62	62	62	

NSR : SRT

		SPL (dB(A))																							
		2014												2015											
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1																								
148	Works Area V: WKT - Zone 1																								
150	Works Area V: WKT - Zone 1																								
151	Works Area V: WKT - Zone 1																								
158	Works Area V: WKT- Zone 2																								
160	Works Area V: WKT- Zone 2																								
161	Works Area V: WKT- Zone 2																								
169	Works Area V: WKT-Zone 3		38																						
170	Works Area V: WKT-Zone 3	49																							
171	Works Area V: WKT-Zone 3										44	44	44	44	44	44	44	44	44	44					
172	Works Area V: WKT-Zone 3	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
177	Works Area V: C&C Tunnel Zone 4	45	45	45	45	45	45	45	45																
178	Works Area V: C&C Tunnel Zone 4	46	46	46	46	46	46	46	46	46															
179	Works Area V: C&C Tunnel Zone 4	49	49	49	49	49	49	49	49	49	49	49													
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2																								
4	WorkArea: Zone 2																								
6	WorkArea: Zone 3	39	39	39																					
7	WorkArea: Zone 3	43	43	43	43	43	43	43	43	43															
9	WorkArea: Zone 4	39	39	39																					
10	WorkArea: Zone 4	43	43	43	43	43	43	43	43	43															
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67					
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4																								
2	Act2-Zone2.5																								
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4																								
2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	0	0	0	0	

NSR : CLS		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1																								
148	Works Area V: WKT - Zone 1																								
150	Works Area V: WKT - Zone 1																								
151	Works Area V: WKT - Zone 1																								
158	Works Area V: WKT- Zone 2																								
160	Works Area V: WKT- Zone 2																								
161	Works Area V: WKT- Zone 2																								
169	Works Area V: WKT- Zone 3																								
170	Works Area V: WKT- Zone 3																								
171	Works Area V: WKT- Zone 3																								
172	Works Area V: WKT- Zone 3																								
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2																								
4	WorkArea: Zone 2																								
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4																								
2	Act2-Zone2.5																								
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4																								
2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge	52	52	52	52	52	52	52	52	52	52														
7	Flyover																								
8	South Pier																								
		63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	62	62	62	62	62	0	
																		0	0	0	0	0	0	0	

Stage	NSR : ASD1	SPL (dB(A))																										
		2014												2015														
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
Central Kowloon Route & Widening of Gascoigne Road Flyover																												
S1	West Portion-Stage 1																											
S2	West Portion-Stage 1																											
S3	West Portion-Stage 1																											
S20	West Portion-Stage 2																											
S23	West Portion-Stage 2																											
Express Rail Link																												
146	Works Area V: WKT - Zone 1	40	40																									
148	Works Area V: WKT - Zone 1			47	47	47	47	47																				
150	Works Area V: WKT - Zone 1	45	45	45	45	45	45	45	45																			
151	Works Area V: WKT - Zone 1										42	42																
158	Works Area V: WKT- Zone 2	48	48																									
160	Works Area V: WKT- Zone 2										54	54	54	54	54	54	54	54										
161	Works Area V: WKT- Zone 2	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51										
169	Works Area V: WKT- Zone 3		45																									
170	Works Area V: WKT- Zone 3	56																										
171	Works Area V: WKT- Zone 3									51	51	51	51	51	51	51	51	51										
172	Works Area V: WKT- Zone 3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48										
177	Works Area V: C&C Tunnel Zone 4																											
178	Works Area V: C&C Tunnel Zone 4																											
179	Works Area V: C&C Tunnel Zone 4																											
183	Works Area V: C&C Tunnel Zone 5																											
Road Works at West Kowloon																												
3	WorkArea: Zone 2	48	48	48																								
4	WorkArea: Zone 2	52	52	52	52	52	52	52	52																			
6	WorkArea: Zone 3	45	45	45																								
7	WorkArea: Zone 3	49	49	49	49	49	49	49	49																			
9	WorkArea: Zone 4																											
10	WorkArea: Zone 4																											
11	WorkArea: Zone 5																											
12	WorkArea: Zone 5																											
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																												
Designated Project																												
Non-Designated Project																												
Trenchless Cable Duct Crossings at Nga Cheung Road																												
Construction of three cable duct																												
West Kowloon Cultural Development (Phase I facilities)																												
1	Act2-Zone 1	46	46																									
1	Act3-Zone 1			41	41	41	41																					
1	Act4-Zone 1					46	46	46	46	46																		
1	Act5-Zone 1										46	46	46	46	46	46	46	46	45	45	45	45	45	45	45	45	45	45
2	Act1-Zone2.1																											
2	Act1-Zone2.2																											
2	Act1-Zone2.3																											
2	Act1-Zone2.4			34	34	34	34	34																				
2	Act1-Zone2.5																											
2	Act1-Zone2.6																											
2	Act1-Zone2.7																											
2	Act1-Zone2.8																											
2	Act2-Zone2.1																											
2	Act2-Zone2.2																											
2	Act2-Zone2.3																											
2	Act2-Zone2.4			45	45	45	45	45	45	45	45	45	45															
2	Act2-Zone2.5																											
2	Act2-Zone2.6																											
2	Act2-Zone2.7																											
2	Act2-Zone2.8																											
2	Act3-Zone2.1																											
2	Act3-Zone2.2																											
2	Act3-Zone2.3																											
2	Act3-Zone2.4								36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
2	Act3-Zone2.5																											
2	Act3-Zone2.6																											
2	Act3-Zone2.7																											
2	Act3-Zone2.8																											
2	Act4-Zone2.1																											
2	Act4-Zone2.2																											
2	Act4-Zone2.3																											
2	Act4-Zone2.4										42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2	Act4-Zone2.5																											
2	Act4-Zone2.6																											
2	Act4-Zone2.7																											
2	Act4-Zone2.8																											
2	Act5-Zone2																											
3	Act1-Zone3																											
3	Act2-Zone3																											
3	Act3-Zone3																											
3	Act4-Zone3																											
4	Park Construction-1A																											
5	Park Construction-1B																											
6	ICC Footbridge																											
7	Flyover																											
8	South Pier																											

60 58 58 57 58 58 58 57 55 58 58 58 58 58 58 58 58 58 58 58 58 58 56 48 48 48 48 48 48

Stage	NSR : ASD2	SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1	47	47																						
148	Works Area V: WKT - Zone 1			54	54	54	54	54																	
150	Works Area V: WKT - Zone 1	52	52	52	52	52	52	52	52																
151	Works Area V: WKT - Zone 1													49	49										
158	Works Area V: WKT- Zone 2	46	46																						
160	Works Area V: WKT- Zone 2													52	52	52	52	52	52	52	52				
161	Works Area V: WKT- Zone 2	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
169	Works Area V: WKT- Zone 3		40																						
170	Works Area V: WKT- Zone 3	51																							
171	Works Area V: WKT- Zone 3													46	46	46	46	46	46	46	46	46	46	46	46
172	Works Area V: WKT- Zone 3	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	55	55	55																					
4	WorkArea: Zone 2	59	59	59	59	59	59	59	59																
6	WorkArea: Zone 3	40	40	40																					
7	WorkArea: Zone 3	44	44	44	44	44	44	44	44	44															
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1	53	53																						
1	Act3-Zone 1			48	48	48	48																		
1	Act4-Zone 1					53	53	53	53	53															
1	Act5-Zone 1												53	53	53	53	53	52	52	52	52	52	52	52	52
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4			36	36	36	36	36																	
2	Act1-Zone2.5			34	34	34	34	34																	
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4			47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2	Act2-Zone2.5			45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4							38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
2	Act3-Zone2.5							36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4											44	44	44	44	44	44	44	44	44	44	44	44	44	44
2	Act4-Zone2.5										42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																48	48	48	48	48	48	48	48	48
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		62	62	62	62	62	62	62	61	57	58	58	57	57	57	57	57	57	57	57	57	57	57	57	57

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1	62	62																						
148	Works Area V: WKT - Zone 1			69	69	69	69	69																	
150	Works Area V: WKT - Zone 1	66	66	66	66	66	66	66	66	66															
151	Works Area V: WKT - Zone 1										64	64													
158	Works Area V: WKT- Zone 2	49	49																						
160	Works Area V: WKT- Zone 2										55	55	55	55	55	55	55	55							
161	Works Area V: WKT- Zone 2	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52							
169	Works Area V: WKT- Zone 3																								
170	Works Area V: WKT- Zone 3																								
171	Works Area V: WKT- Zone 3																								
172	Works Area V: WKT- Zone 3																								
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	54	54	54																					
4	WorkArea: Zone 2	58	58	58	58	58	58	58	58																
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1	68	68																						
1	Act3-Zone 1			59	59	59	59																		
1	Act4-Zone 1					64	64	64	64	64															
1	Act5-Zone 1										64	64	64	64	64	63	63	63	63	63	63	63	63	63	63
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3			44	44	44	44	44																	
2	Act1-Zone2.4			53	53	53	53	53																	
2	Act1-Zone2.5			55	55	55	55	55																	
2	Act1-Zone2.6			45	45	45	45	45																	
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3			55	55	55	55	55	55	55	55	55	55												
2	Act2-Zone2.4			64	64	64	64	64	64	64	64	64	64												
2	Act2-Zone2.5			66	66	66	66	66	66	66	66	66	66												
2	Act2-Zone2.6			56	56	56	56	56	56	56	56	56	56												
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3							46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2	Act3-Zone2.4							53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
2	Act3-Zone2.5							54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
2	Act3-Zone2.6							46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3									52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2	Act4-Zone2.4									59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
2	Act4-Zone2.5									60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2	Act4-Zone2.6									52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																							63	63
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																50	50	50	50	50	50	50	50	50
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		71	71	73	73	74	74	74	72	72	72	69	68	68	68	67	67	67	67	67	67	67	67	68	68

NSR : ASC		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1	38	38																						
148	Works Area V: WKT - Zone 1			45	45	45	45	45																	
150	Works Area V: WKT - Zone 1	42	42	42	42	42	42	42	42	42															
151	Works Area V: WKT - Zone 1										40	40													
158	Works Area V: WKT- Zone 2	44	44																						
160	Works Area V: WKT- Zone 2									50	50	50	50	50	50	50	50								
161	Works Area V: WKT- Zone 2	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47								
169	Works Area V: WKT- Zone 3		48																						
170	Works Area V: WKT- Zone 3	59																							
171	Works Area V: WKT- Zone 3									54	54	54	54	54	54	54	54								
172	Works Area V: WKT- Zone 3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51								
177	Works Area V: C&C Tunnel Zone 4	44	44	44	44	44	44	44	44																
178	Works Area V: C&C Tunnel Zone 4	45	45	45	45	45	45	45	45																
179	Works Area V: C&C Tunnel Zone 4	48	48	48	48	48	48	48	48	48															
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	44	44	44																					
4	WorkArea: Zone 2	48	48	48	48	48	48	48	48																
6	WorkArea: Zone 3	48	48	48																					
7	WorkArea: Zone 3	52	52	52	52	52	52	52	52																
9	WorkArea: Zone 4	42	42	42																					
10	WorkArea: Zone 4	46	46	46	46	46	46	46	46																
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4																								
2	Act2-Zone2.5																								
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4																								
2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		62	59	59	58	58	58	58	58	53	57	57	57	57	57	57	57	56	0	0	0	0	0		

Stage	NSR : LCMS	SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1	54	54																						
148	Works Area V: WKT - Zone 1			61	61	61	61	61																	
150	Works Area V: WKT - Zone 1	59	59	59	59	59	59	59	59	59															
151	Works Area V: WKT - Zone 1										56	56													
158	Works Area V: WKT- Zone 2																								
160	Works Area V: WKT- Zone 2																								
161	Works Area V: WKT- Zone 2																								
169	Works Area V: WKT- Zone 3																								
170	Works Area V: WKT- Zone 3																								
171	Works Area V: WKT- Zone 3																								
172	Works Area V: WKT- Zone 3																								
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	53	53	53																					
4	WorkArea: Zone 2	57	57	57	57	57	57	57	57																
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
Designated Project																									
Non-Designated Project																									
Trenchless Cable Duct Crossings at Nga Cheung Road																									
Construction of three cable duct																									
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1	66	66																						
1	Act3-Zone 1			58	58	58	58																		
1	Act4-Zone 1					63	63	63	63	63															
1	Act5-Zone 1										63	63	63	63	63	62	62	62	62	62	62	62	62		
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4			48	48	48	48	48																	
2	Act1-Zone2.5			48	48	48	48	48																	
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4			59	59	59	59	59	59	59	59	59													
2	Act2-Zone2.5			59	59	59	59	59	59	59	59	59													
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4							48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
2	Act3-Zone2.5							48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48		
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4										54	54	54	54	54	54	54	54	54	54	54	54	54		
2	Act4-Zone2.5										54	54	54	54	54	54	54	54	54	54	54	54	54		
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																53	53	53	53	53	53	53		
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		67	67	67	67	68	68	68	67	66	67	65	64	64	64	63	64	64	64	64	64	64	64		

Stage	NSR : VT	SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1	58	58																						
148	Works Area V: WKT - Zone 1			65	65	65	65	65																	
150	Works Area V: WKT - Zone 1	63	63	63	63	63	63	63	63	63															
151	Works Area V: WKT - Zone 1										60	60													
158	Works Area V: WKT- Zone 2	51	51																						
160	Works Area V: WKT- Zone 2										57	57	57	57	57	57	57	57							
161	Works Area V: WKT- Zone 2	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54							
169	Works Area V: WKT- Zone 3																								
170	Works Area V: WKT- Zone 3																								
171	Works Area V: WKT- Zone 3																								
172	Works Area V: WKT- Zone 3																								
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	58	58	58																					
4	WorkArea: Zone 2	62	62	62	62	62	62	62	62																
6	WorkArea: Zone 3																								
7	WorkArea: Zone 3																								
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1	64	64																						
1	Act3-Zone 1			59	59	59	59																		
1	Act4-Zone 1					64	64	64	64	64															
1	Act5-Zone 1										64	64	64	64	64	63	63	63	63	63	63	63	63		
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4			47	47	47	47	47																	
2	Act1-Zone2.5			46	46	46	46	46																	
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4			58	58	58	58	58	58	58	58	58	58												
2	Act2-Zone2.5			57	57	57	57	57	57	57	57	57	57												
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4							47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47		
2	Act3-Zone2.5							47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47		
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4										53	53	53	53	53	53	53	53	53	53	53	53	53		
2	Act4-Zone2.5										53	53	53	53	53	53	53	53	53	53	53	53	53		
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B															50	50	50	50	50	50	50	50		
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		69	69	70	70	71	71	70	69	68	68	67	66	66	66	65	65	65	64	64	64	64	64		

Stage	NSR : GB	SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1	54	54																						
148	Works Area V: WKT - Zone 1			61	61	61	61	61																	
150	Works Area V: WKT - Zone 1	59	59	59	59	59	59	59	59	59															
151	Works Area V: WKT - Zone 1										57	57													
158	Works Area V: WKT- Zone 2	52	52																						
160	Works Area V: WKT- Zone 2										58	58	58	58	58	58	58	58							
161	Works Area V: WKT- Zone 2	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55							
169	Works Area V: WKT- Zone 3		49																						
170	Works Area V: WKT- Zone 3	60																							
171	Works Area V: WKT- Zone 3										55	55	55	55	55	55	55	55							
172	Works Area V: WKT- Zone 3	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52							
177	Works Area V: C&C Tunnel Zone 4																								
178	Works Area V: C&C Tunnel Zone 4																								
179	Works Area V: C&C Tunnel Zone 4																								
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	58	58	58																					
4	WorkArea: Zone 2	62	62	62	62	62	62	62	62																
6	WorkArea: Zone 3	50	50	50																					
7	WorkArea: Zone 3	54	54	54	54	54	54	54	54	54															
9	WorkArea: Zone 4																								
10	WorkArea: Zone 4																								
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
Designated Project																									
Non-Designated Project																									
Trenchless Cable Duct Crossings at Nga Cheung Road																									
Construction of three cable duct																									
West Kowloon Cultural Development (Phase I facilities)																									
1	Act2-Zone 1	61	61																						
1	Act3-Zone 1			56	56	56	56																		
1	Act4-Zone 1					61	61	61	61	61															
1	Act5-Zone 1										61	61	61	61	61	60	60	60	60	60	60	60	60	60	60
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4			46	46	46	46	46																	
2	Act1-Zone2.5			44	44	44	44	44																	
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4			57	57	57	57	57	57	57	57	57	57	57											
2	Act2-Zone2.5			55	55	55	55	55	55	55	55	55	55	55											
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4							46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
2	Act3-Zone2.5							45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4										52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
2	Act4-Zone2.5										51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								

Stage	NSR : YTB	SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Central Kowloon Route & Widening of Gascoigne Road Flyover																									
S1	West Portion-Stage 1																								
S2	West Portion-Stage 1																								
S3	West Portion-Stage 1																								
S20	West Portion-Stage 2																								
S23	West Portion-Stage 2																								
Express Rail Link																									
146	Works Area V: WKT - Zone 1																								
148	Works Area V: WKT - Zone 1																								
150	Works Area V: WKT - Zone 1																								
151	Works Area V: WKT - Zone 1																								
158	Works Area V: WKT- Zone 2	51	51																						
160	Works Area V: WKT- Zone 2									57	57	57	57	57	57	57	57	57	57	57	57	57	57		
161	Works Area V: WKT- Zone 2	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
169	Works Area V: WKT- Zone 3		51																						
170	Works Area V: WKT- Zone 3	62																							
171	Works Area V: WKT- Zone 3									57	57	57	57	57	57	57	57	57	57	57	57	57	57		
172	Works Area V: WKT- Zone 3	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
177	Works Area V: C&C Tunnel Zone 4	55	55	55	55	55	55	55	55																
178	Works Area V: C&C Tunnel Zone 4	56	56	56	56	56	56	56	56	56															
179	Works Area V: C&C Tunnel Zone 4	59	59	59	59	59	59	59	59	59															
183	Works Area V: C&C Tunnel Zone 5																								
Road Works at West Kowloon																									
3	WorkArea: Zone 2	50	50	50																					
4	WorkArea: Zone 2	54	54	54	54	54	54	54	54																
6	WorkArea: Zone 3	53	53	53																					
7	WorkArea: Zone 3	57	57	57	57	57	57	57	57	57															
9	WorkArea: Zone 4	51	51	51																					
10	WorkArea: Zone 4	55	55	55	55	55	55	55	55																
11	WorkArea: Zone 5																								
12	WorkArea: Zone 5																								
Construction of Dry Weather Flow Interceptor at Cherry Street Box Culvert and Other Works																									
	Designated Project																								
	Non-Designated Project																								
Trenchless Cable Duct Crossings at Nga Cheung Road																									
	Construction of three cable duct																								
West Kowloon Cultural Development (Phase 1 facilities)																									
1	Act2-Zone 1																								
1	Act3-Zone 1																								
1	Act4-Zone 1																								
1	Act5-Zone 1																								
2	Act1-Zone2.1																								
2	Act1-Zone2.2																								
2	Act1-Zone2.3																								
2	Act1-Zone2.4																								
2	Act1-Zone2.5																								
2	Act1-Zone2.6																								
2	Act1-Zone2.7																								
2	Act1-Zone2.8																								
2	Act2-Zone2.1																								
2	Act2-Zone2.2																								
2	Act2-Zone2.3																								
2	Act2-Zone2.4																								
2	Act2-Zone2.5																								
2	Act2-Zone2.6																								
2	Act2-Zone2.7																								
2	Act2-Zone2.8																								
2	Act3-Zone2.1																								
2	Act3-Zone2.2																								
2	Act3-Zone2.3																								
2	Act3-Zone2.4																								
2	Act3-Zone2.5																								
2	Act3-Zone2.6																								
2	Act3-Zone2.7																								
2	Act3-Zone2.8																								
2	Act4-Zone2.1																								
2	Act4-Zone2.2																								
2	Act4-Zone2.3																								
2	Act4-Zone2.4																								
2	Act4-Zone2.5																								
2	Act4-Zone2.6																								
2	Act4-Zone2.7																								
2	Act4-Zone2.8																								
2	Act5-Zone2																								
3	Act1-Zone3																								
3	Act2-Zone3																								
3	Act3-Zone3																								
3	Act4-Zone3																								
4	Park Construction-1A																								
5	Park Construction-1B																								
6	ICC Footbridge																								
7	Flyover																								
8	South Pier																								
		67	66	65	65	65	65	65	65	57	62	62	62	62	62	62	62	60	0	0	0	0	0		

Appendix 4.9E
Summary of Construction Noise
Level of the Concurrent
Projects

Appendix 4.9E - Mitigated Construction Noise Level from the Concurrent Projects

			SPL (dB(A))																							
			2014												2015											
NSR	Noise Criteria, dB(A)	Max	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
IHV	75	68	68	68	68	68	68	68	58	58	58	66	66	67	67	67	68	68	68	68	68	68	68	68	68	68
FR	75	64	64	64	64	64	64	64	54	54	54	62	62	63	63	63	64	64	64	64	64	64	64	64	64	64
PAV	75	66	65	66	66	66	66	66	55	55	55	63	63	64	64	64	65	65	65	65	65	65	65	65	65	65
CG	75	59	0	0	0	0	0	0	0	0	0	0	0	55	55	55	55	55	59	59	57	57	57	57	57	57
LKPC	70	59	0	0	0	0	0	0	0	0	0	0	0	55	55	55	55	55	59	59	57	57	57	57	57	57
YCS	70	66	55	55	55	55	55	55	55	55	0	0	0	63	63	65	65	65	66	66	63	63	62	62	62	62
SRT	75	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	0	0	0	0	0	0
CLS	75	63	63	63	63	63	63	63	63	63	63	63	63	62	62	62	62	62	62	0	0	0	0	0	0	0
ASD1	75	60	60	58	58	57	58	58	58	57	55	58	58	58	58	58	58	58	56	48	48	48	48	48	48	48
ASD2	75	62	62	62	62	62	62	62	62	61	57	58	58	57	57	57	57	57	57	54	54	54	54	54	54	54
FSDO	75	74	71	71	73	73	74	74	74	72	72	72	69	68	68	68	67	67	67	67	67	67	67	68	68	68
ASC	75	62	62	59	59	58	58	58	58	58	53	57	57	57	57	57	57	57	56	0	0	0	0	0	0	0
LCMS	70	68	67	67	67	67	68	68	68	67	66	67	65	64	64	64	63	64	64	64	64	64	64	64	64	64
VT	75	71	69	69	70	70	71	71	70	69	68	68	67	66	66	66	65	65	65	64	64	64	64	64	64	64
GB	75	68	68	67	68	68	68	68	68	67	65	66	65	65	65	65	64	64	64	61	61	61	61	61	61	61
YTB	75	67	67	66	65	65	65	65	65	65	57	62	62	62	62	62	62	62	62	60	0	0	0	0	0	0