EIA Report (September 2013)

Appendix 4.2D

Detailed Calculation of Unmitigated Construction Noise Level of the Project

NSR:	IHV											SPL	dB) ر	(A))										
							2014												15					
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	e H(A) - Hoi Po Road to West Kowloon Highway																							
1.1	Site Preparation and Utility Diversion	62	62																					
1.2	Shifting of WKH and Lin Cheung Road			66	66																			
1.3	Pilling			67	67	67	67	67	67	67	67													
1.4	Pile Caps			70	70	70	70	70	70	70	70													
1.5	Piers							67	67	67	67	67												
1.6	Bridge Decks											69	69	69	69	69	69	69	69	69				
1.7	Excavation for Retaining Walls					68	68	68	68	68														
1.8	Construction of Retaning Walls					68	68	68	68	68														
1.9	Backfilling Retaining Walls					65	65	65	65	65														
1.10	Road Works																				65	65		
Schem	e H(B) - Widening of Elevated Nga Cheung Road																							
2.1	Site Preparation and Utility Diversion																							
2.2	Pilling																							
2.3	Pile Caps																							
2.4	Piers																							
2.5	Bridge Decks																							
2.6	Road Works																							
Schem	e I - U turn to West Harbour Crossing																							
3.1	Site Preparation and Utility Diversion																							
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3	Pilling																							
3.4	Pile Caps																							
	Piers																							
	Bridge Decks																							
3.7	Road Works																							
Schem	e J - Lin Cheung Road to Nga Cheung Road																							
4.1	Site Preparation and Utility Diversion																							
4.2	Modification of Lin Cheung Road Slip Roads																							
4.3	U Structures																							
	Road Works																							
Schem	e Q and Improvement Works at the Junction of CR/FS/JR																							
	Road Surface Removal																							
	Road Surface Cleaning																							
5.3	Road Surface Paving																							
5.4	Road Surface Compaction																							
	Total SPL, dB(A)	62	62	73	73	75	75	76	76	76	73	72	69	69	69	69	69	69	69	69	65	65	0	0
	Exceedance	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NSR : FI	R											SPL	رdB ((A))										
							2014)15					
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	H(A) - Hoi Po Road to West Kowloon Highway																							
	ite Preparation and Utility Diversion	61	61																					
	hifting of WKH and Lin Cheung Road			65	65																			
	illing			66	66	66	66	66	66	66	66													
	ile Caps			69	69	69	69	69	69	69	69													
1.5 P	iers							66	66	66	66	66												
1.6 B	ridge Decks											68	68	68	68	68	68	68	68	68				
1.7 E	xcavation for Retaining Walls					67	67	67	67	67														П
	Construction of Retaning Walls					67	67	67	67	67														ı
1.9 B	ackfilling Retaining Walls					64	64	64	64	64														
	load Works																				64	64		
Scheme 1	H(B) - Widening of Elevated Nga Cheung Road																							
2.1 S	ite Preparation and Utility Diversion																							П
2.2 P	illing																							
2.3 P	ile Caps																							
	iers																							
2.5 B	ridge Decks																						\neg	
	coad Works																						\neg	
	I - U turn to West Harbour Crossing																							
3.1 S	ite Preparation and Utility Diversion																							\Box
	hifting the Approach Roads and Close the Fast Lane of WHC																							
	illing																						\neg	ī
	ile Caps																						\neg	ī
	iers																						\neg	
3.6 B	ridge Decks																						\neg	
	Load Works																						\neg	
	J - Lin Cheung Road to Nga Cheung Road																	•						
	ite Preparation and Utility Diversion																					П	\neg	$\overline{}$
	Modification of Lin Cheung Road Slip Roads																						\neg	
	J Structures																						\neg	
	Load Works																						\neg	\Box
	Q and Improvement Works at the Junction of CR/FS/JR																					_		
	Load Surface Removal										I				I			I						
	Load Surface Cleaning																			\Box	 	\Box	\dashv	\Box
	Load Surface Paving																							
	Load Surface Compaction																							
υ IX	Total SPL, dB(A)	61	61	72.	72.	74	74	75	75	75	72.	71	68	68	68	68	68	68	68	68	64	64	0	0
	Exceedance																						Ü	_

NSR : PAV											SPL	(dB)	(A))										
						2014)15					
Stage	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Scheme H(A) - Hoi Po Road to West Kowloon Highway																							
1.1 Site Preparation and Utility Diversion	63	63																					
1.2 Shifting of WKH and Lin Cheung Road			67	67																			
1.3 Pilling			68	68	68	68	68	68	68	68													
1.4 Pile Caps			71	71	71	71	71	71	71	71													
1.5 Piers							68	68	68	68	68												
1.6 Bridge Decks											70	70	70	70	70	70	70	70	70				
1.7 Excavation for Retaining Walls					69	69	69	69	69														
1.8 Construction of Retaning Walls	T				69	69	69	69	69														
1.9 Backfilling Retaining Walls					66	66	66	66	66														
1.10 Road Works																				66	66		
Scheme H(B) - Widening of Elevated Nga Cheung Road																							
2.1 Site Preparation and Utility Diversion																							
2.2 Pilling																							
2.3 Pile Caps																							
2.4 Piers																							
2.5 Bridge Decks																							
2.6 Road Works	T																						
Scheme I - U turn to West Harbour Crossing																							
3.1 Site Preparation and Utility Diversion																							
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3 Pilling																							
3.4 Pile Caps																							
3.5 Piers																							
3.6 Bridge Decks																							
3.7 Road Works																							
Scheme J - Lin Cheung Road to Nga Cheung Road																							
4.1 Site Preparation and Utility Diversion																							
4.2 Modification of Lin Cheung Road Slip Roads																							
4.3 U Structures																							
4.4 Road Works																							
Scheme Q and Improvement Works at the Junction of CR/FS/JR																							
5.1 Road Surface Removal																					\Box	ГΠ	
5.2 Road Surface Cleaning																						\Box	
5.3 Road Surface Paving	T																						
5.4 Road Surface Compaction	T																						
Total SPL, dB(A	63	63	74	74	76	76	77	77	77	74	72	70	70	70	70	70	70	70	70	66	66	0	0
Exceedance	· -	-	-	-	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NSR:	CG											SPL	(dB	(A))										
							2014												15					
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	e H(A) - Hoi Po Road to West Kowloon Highway																							
	Site Preparation and Utility Diversion	61	61																					
	Shifting of WKH and Lin Cheung Road			65	65																			
	Pilling			66	66	66	66	66	66	66														
1.4	Pile Caps			69	69	69	69	69	69	69	69													
1.5	Piers							66	66	66	66	66												
1.6	Bridge Decks											68	68	68	68	68	68	68	68	68				
1.7	Excavation for Retaining Walls					67	67	67	67	67														
	Construction of Retaning Walls					67	67	67	67	67														
	Backfilling Retaining Walls					64	64	64	64	64														
	Road Works																				64	64		
	e H(B) - Widening of Elevated Nga Cheung Road																							
2.1	Site Preparation and Utility Diversion																							
2.2	Pilling																							
2.3	Pile Caps																							
2.4	Piers																							
2.5	Bridge Decks																							
2.6	Road Works																							
Schem	e I - U turn to West Harbour Crossing																							
3.1	Site Preparation and Utility Diversion																							
	Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3	Pilling																							
3.4	Pile Caps																							
3.5	Piers																							
3.6	Bridge Decks																							
3.7	Road Works																							
Schem	e J - Lin Cheung Road to Nga Cheung Road																							
	Site Preparation and Utility Diversion	63	63	63																		П		
4.2	Modification of Lin Cheung Road Slip Roads				65	65	65	65																
	U Structures								68	68	68	68	68	68	68	68	68	68	68	68			\Box	
4.4	Road Works																				64	64		
Schem	e Q and Improvement Works at the Junction of CR/FS/JR																							
	Road Surface Removal																						\Box	
	Road Surface Cleaning																					一		
	Road Surface Paving																							
	Road Surface Compaction																							
	Total SPL, dB(A)	65	65	72	72	74	74	75	75	75	73	72	71	71	71	71	71	71	71	71	67	67	0	0
	Exceedance					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NSR:	LKPC											SPL	(dB	(A))										
							2014)15					
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	e H(A) - Hoi Po Road to West Kowloon Highway																							
1.1	Site Preparation and Utility Diversion	59	59																					
1.2	Shifting of WKH and Lin Cheung Road			63	63																			
1.3	Pilling			64	64	64	64	64	64	64	64													
1.4	Pile Caps			67	67	67	67	67	67	67	67													
1.5	Piers							64	64	64	64	64												
1.6	Bridge Decks											66	66	66	66	66	66	66	66	66				
1.7	Excavation for Retaining Walls					65	65	65	65	65														
1.8	Construction of Retaning Walls					65	65	65	65	65													\Box	
1.9	Backfilling Retaining Walls					62	62	62	62	62													\Box	
1.10	Road Works																				62	62		
Schem	e H(B) - Widening of Elevated Nga Cheung Road					•	•	•							•				•					
2.1	Site Preparation and Utility Diversion																						П	
2.2	Pilling																							
	Pile Caps																							
	Piers																							
2.5	Bridge Decks																							
2.6	Road Works																						\Box	
Schem	e I - U turn to West Harbour Crossing					•	•	•							•				•					
3.1	Site Preparation and Utility Diversion																						П	
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																						\Box	
	Pilling																						\Box	
3.4	Pile Caps																						\Box	
	Piers																							
3.6	Bridge Decks																							
3.7	Road Works																						\Box	
Schem	e J - Lin Cheung Road to Nga Cheung Road					•	•	•							•				•					
4.1	Site Preparation and Utility Diversion	63	63	63																			П	
4.2	Modification of Lin Cheung Road Slip Roads				65	65	65	65																
	U Structures								68	68	68	68	68	68	68	68	68	68	68	68			\Box	
4.4	Road Works																				64	64		
Schem	e Q and Improvement Works at the Junction of CR/FS/JR																							
5.1	Road Surface Removal																							
5.2	Road Surface Cleaning																							
5.3	Road Surface Paving																							
	Road Surface Compaction																							
-	Total SPL, dB(A)	64	64	70	71	72	72	73	74	74	72	71	70	70	70	70	70	70	70	70	66	66	0	0
	Exceedance	-	-	-	1	2		3	4	4		1	-	-	-	-	-	-	-	-	-	-	-	-

NSR:	YCS											SPL	(dB	(A))										
							2014)15					
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	e H(A) - Hoi Po Road to West Kowloon Highway																							
1.1	Site Preparation and Utility Diversion	58	58																1					
1.2	Shifting of WKH and Lin Cheung Road			62	62																			
1.3	Pilling			63	63	63	63	63	63	63	63								1					
1.4	Pile Caps			66	66	66	66	66	66	66	66													
1.5	Piers							63	63	63	63	63							1					
1.6	Bridge Decks											65	65	65	65	65	65	65	65	65				
1.7	Excavation for Retaining Walls					64	64	64	64	64														
1.8	Construction of Retaning Walls					64	64	64	64	64														
1.9	Backfilling Retaining Walls					61	61	61	61	61														
1.10	Road Works																				61	61		
Schem	ne H(B) - Widening of Elevated Nga Cheung Road																							
2.1	Site Preparation and Utility Diversion																							
2.2	Pilling																							
2.3	Pile Caps																							
2.4	Piers																							
2.5	Bridge Decks																							
2.6	Road Works																							
Schem	e I - U turn to West Harbour Crossing																							
3.1	Site Preparation and Utility Diversion																							
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3	Pilling																							
3.4	Pile Caps																							
3.5	Piers																							
3.6	Bridge Decks																							
3.7	Road Works																							
Schem	e J - Lin Cheung Road to Nga Cheung Road																							
4.1	Site Preparation and Utility Diversion	62	62	62																				
4.2	Modification of Lin Cheung Road Slip Roads				64	64	64	64																
4.3	U Structures								67	67	67	67	67	67	67	67	67	67	67	67				
4.4	Road Works																				63	63	一	
Schem	e Q and Improvement Works at the Junction of CR/FS/JR																							
5.1	Road Surface Removal																							
5.2	Road Surface Cleaning																						一	
5.3	Road Surface Paving																							
	Road Surface Compaction																							
	Total SPL, dB(A)	64	64	69	70	71	71	72	73	73	71	70	69	69	69	69	69	69	69	69	65	65	0	0
	Exceedance	-	-	-	-	1	1	2	3	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-

SPL (dB(A)) SPL (dB(A)) Stage SPL (dB(A)) Stage Stage SPL (dB(A)) SPL	Oct Nov D
Scheme H(A) - Hoi Po Road to West Kowloon Highway 1.1 Site Preparation and Utility Diversion	oct Nov D
1.1 Site Preparation and Utility Diversion <t< td=""><td></td></t<>	
1.2 Shifting of WKH and Lin Cheung Road	
1.3 Pilling	
1.4 Pile Caps	
1.5 Piers	
1.6 Bridge Decks	
1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls	
1.8 Construction of Retaning Walls	
1.9 Backfilling Retaining Walls	
1.10 Road Works	
Scheme H(B) - Widening of Elevated Nga Cheung Road	
2.1 Site Preparation and Utility Diversion 72 72 72	
2.2 Pilling 75 75 75 75 75 75 75 75 75 75	
2.3 Pile Caps 78 78 78 78 78 78 78 78 78 78 78 78 78	
2.4 Piers 75 75 75 75 75 75 75 75 75	
2.5 Bridge Decks 75 75 75 75 75 75 75 75 75 75 75 75 75	'5
2.6 Road Works 73 7	'3
Scheme I - U turn to West Harbour Crossing	
3.1 Site Preparation and Utility Diversion 65 65 65	
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 67 67 67	
3.3 Pilling 68 68 68 68 68 68 68 68 68 68 68 68 68	
3.4 Pile Caps 70 70 70 70 70 70 70 70 70 70 70 70 70	
3.5 Piers 68 68 68 68 68 68 68 68 68 68 68 68 68	
3.6 Bridge Decks 68 68 68 68 68 68 68 68 68 68 68 68 68	58
3.7 Road Works 66 6	66
Scheme J - Lin Cheung Road to Nga Cheung Road	
4.1 Site Preparation and Utility Diversion	
4.2 Modification of Lin Cheung Road Slip Roads	
4.3 U Structures	
4.4 Road Works	
Scheme Q and Improvement Works at the Junction of CR/FS/JR	
5.1 Road Surface Removal	
5.2 Road Surface Cleaning	
5.3 Road Surface Paving	
5.4 Road Surface Compaction	
	'8 O (
Exceedance 5 5 5 6 6 6 6 6 6 6 1 1 1 1 1 3	

STATE Stage Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
Scheme H(A) - Hoi Po Road to West Kowloon Highway
1.1 Site Preparation and Utility Diversion
1.2 Shifting of WKH and Lin Cheung Road
1.3 Pilling
1.4 Pile Caps Image: Caps of the
1.5 Piers 1.6 Bridge Decks 1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 Road Works 1.10 Road Works 2.1 Site Preparation and Utility Diversion 69 69 69 69 69 69 69 69 69 69 69 69 69 6
1.6 Bridge Decks
1.7 Excavation for Retaining Walls
1.8 Construction of Retaning Walls Image: Construction of Retaning Walls Imag
1.9 Backfilling Retaining Walls
1.10 Road Works Image: Control of the control of t
Scheme H(B) - Widening of Elevated Nga Cheung Road 2.1 Site Preparation and Utility Diversion 69 72
2.1 Site Preparation and Utility Diversion 69 72
2.2 Pilling 72
2.3 Pile Caps 75 75 75 75 75 75 75 75 75 75 75 75 75 7
2.4 Piers 72 72 72 72 72 72 72 72 72 72 72 72 72 7
2.5 Bridge Decks 2.6 Road Works
2.6 Road Works 70 70
Sahama I. U tum to West Hankoun Cressing
Scheme 1 - O turn to west narrour Crossing
3.1 Site Preparation and Utility Diversion 71 71 71
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 73 73 73
3.3 Pilling 74 74 74 74 74 74 74 74 74 74 74 74 74
3.4 Pile Caps 76 76 76 76 76 76 76 76 76 76 76 76 76
3.5 Piers 74 74 74 74 74 74 74 74 74 74 74 98 98 98 98 98 98 98 98 98 98 98 98 98
3.6 Bridge Decks 74 74 74 74 74 74 74 74 74 74 74 74 74
3.7 Road Works 72 72
Scheme J - Lin Cheung Road to Nga Cheung Road
4.1 Site Preparation and Utility Diversion
4.2 Modification of Lin Cheung Road Slip Roads
4.3 U Structures
4.4 Road Works
Scheme Q and Improvement Works at the Junction of CR/FS/JR
5.1 Road Surface Removal
5.2 Road Surface Cleaning
5.3 Road Surface Paving
5.4 Road Surface Compaction
Total SPL, dB(A) 76 76 76 80 80 80 82 82 82 82 82 82 76 76 76 76 76 78 78 0 0
Exceedance 1 1 1 5 5 5 7 7 7 7 7 7 1 1 1 1 1 3 3 -

NSR: ASD1											SPL	(dB((A))										
						2014												15					
Stage	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Scheme H(A) - Hoi Po Road to West Kowloon Highway																							
1.1 Site Preparation and Utility Diversion																							
1.2 Shifting of WKH and Lin Cheung Road																							
1.3 Pilling																							
1.4 Pile Caps																							
1.5 Piers																							
1.6 Bridge Decks																							
1.7 Excavation for Retaining Walls																							
1.8 Construction of Retaning Walls																							
1.9 Backfilling Retaining Walls																							
1.10 Road Works																							
Scheme H(B) - Widening of Elevated Nga Cheung Road																							
2.1 Site Preparation and Utility Diversion																							
2.2 Pilling																							
2.3 Pile Caps																							
2.4 Piers																							
2.5 Bridge Decks																							
2.6 Road Works																							
Scheme I - U turn to West Harbour Crossing																							
3.1 Site Preparation and Utility Diversion																							
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3 Pilling																							
3.4 Pile Caps																							
3.5 Piers																							
3.6 Bridge Decks																							
3.7 Road Works																							
Scheme J - Lin Cheung Road to Nga Cheung Road																							
4.1 Site Preparation and Utility Diversion																							
4.2 Modification of Lin Cheung Road Slip Roads																							
4.3 U Structures																							
4.4 Road Works																							
Scheme Q and Improvement Works at the Junction of CR/FS/JR												•	•	•		•							
5.1 Road Surface Removal	80	80	80	80	80	80																	
5.2 Road Surface Cleaning	T						75	75	75	75	75	75	75	75	75	75						Î	
5.3 Road Surface Paving	1																77	77	77	77	77	77	77
5.4 Road Surface Compaction	1																76	76	76	76	76	76	76
Total SPL, dB(A	80	80	80	80	80	80	75	75	75	75	75	75	75	75	75	75	80	80	80	80	80	80	80
Exceedance							-		-	-	-	-	-	-	-	-	5	5	5	5	5	5	5
Domarks																							

NSR: ASD2											SPL	(dB((A))										
						2014)15					
Stage	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Scheme H(A) - Hoi Po Road to West Kowloon Highway																							
1.1 Site Preparation and Utility Diversion																							
1.2 Shifting of WKH and Lin Cheung Road																							
1.3 Pilling																							
1.4 Pile Caps																							
1.5 Piers																							
1.6 Bridge Decks																							
1.7 Excavation for Retaining Walls																							
1.8 Construction of Retaning Walls																							
1.9 Backfilling Retaining Walls																							
1.10 Road Works																							
Scheme H(B) - Widening of Elevated Nga Cheung Road																							
2.1 Site Preparation and Utility Diversion																							
2.2 Pilling																							
2.3 Pile Caps																							
2.4 Piers																							
2.5 Bridge Decks																							
2.6 Road Works																							
Scheme I - U turn to West Harbour Crossing																							
3.1 Site Preparation and Utility Diversion																							
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3 Pilling																							
3.4 Pile Caps																							
3.5 Piers																							
3.6 Bridge Decks																							
3.7 Road Works																							
Scheme J - Lin Cheung Road to Nga Cheung Road																							
4.1 Site Preparation and Utility Diversion																							
4.2 Modification of Lin Cheung Road Slip Roads																							
4.3 U Structures																							
4.4 Road Works																							
Scheme Q and Improvement Works at the Junction of CR/FS/JR																							
5.1 Road Surface Removal	84	84	84	84	84	84																\Box	
5.2 Road Surface Cleaning							80	80	80	80	80	80	80	80	80	80							
5.3 Road Surface Paving																	82	82		82			82
5.4 Road Surface Compaction																	81	81	81	81	81	81	81
Total SPL, dB(A)	84	84	84	84	84	84	80	80	80	80	80	80	80	80	80	80	84	84	84	84	84	84	84
Exceedance	9	9	9	9	9	9	5	5	5	5	5	5	5	5	5	5	9	9	9	9	9	9	9

NSR : FSDO											SPL	(dB	(A))										
						2014												15					
Stage	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Scheme H(A) - Hoi Po Road to West Kowloon Highway																							
1.1 Site Preparation and Utility Diversion																							
1.2 Shifting of WKH and Lin Cheung Road																						i	
1.3 Pilling																							
1.4 Pile Caps																						ı	
1.5 Piers																						i	
1.6 Bridge Decks																							
1.7 Excavation for Retaining Walls																						ī	
1.8 Construction of Retaning Walls																						ī	
1.9 Backfilling Retaining Walls																						i	
1.10 Road Works																						i	
Scheme H(B) - Widening of Elevated Nga Cheung Road																							
2.1 Site Preparation and Utility Diversion																						i	
2.2 Pilling																						iΠ	
2.3 Pile Caps																						ΠĪ	
2.4 Piers																							
2.5 Bridge Decks																							
2.6 Road Works																							
Scheme I - U turn to West Harbour Crossing																							
3.1 Site Preparation and Utility Diversion																							
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3 Pilling																						\Box	
3.4 Pile Caps																						i T	
3.5 Piers																					\Box	iπt	
3.6 Bridge Decks																						i T	
3.7 Road Works																						iπt	
Scheme J - Lin Cheung Road to Nga Cheung Road																							
4.1 Site Preparation and Utility Diversion																						П	
4.2 Modification of Lin Cheung Road Slip Roads																					\Box	iπt	
4.3 U Structures	l																						
4.4 Road Works	t																						
Scheme Q and Improvement Works at the Junction of CR/FS/JR																							
5.1 Road Surface Removal	72	72	72	72	72	72																П	
5.2 Road Surface Cleaning							67	67	67	67	67	67	67	67	67	67					\Box		
5.3 Road Surface Paving																	69	69	69	69	69	69	69
5.4 Road Surface Compaction	l																68	68	68	68	68	68	68
Total SPL, dB(A)	72	72	72	72	72	72	67	67	67	67	67	67	67	67	67	67				72	72	72	72
Exceedance													_	_	_	-	-	-	_	_	_	_	_

Stage Stage Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Apr May Jun Jul Aug Sep Oct Nov Dec Jan Apr May Jun Jul Aug Sep Oct Nov Dec Jan Apr May Jun Jul Aug Sep Oct Nov Dec Jan Apr May Jun Jul Aug Sep Oct Nov Jun Jul Jul
Scheme H(A) - Hoi Po Road to West Kowloon Highway
Scheme H(A) - Hoi Po Road to West Kowloon Highway
1.2 Shifting of WKH and Lin Cheung Road
1.3 Pilling
1.4 Pile Caps 1.5 Piers 1.5 Piers 1.6 Bridge Decks 1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 Road Works 1.10 Road Works Scheme H(B) - Widening of Elevated Nga Cheung Road 2.1 Site Preparation and Utility Diversion 1.10 Road Works 2.2 Pilling 1.10 Road Works 2.3 Pile Caps 1.10 Road Works 2.4 Piers 1.10 Road Works 2.5 Bridge Decks 1.10 Road Works
1.5 Piers 1.6 Bridge Decks 1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works Scheme H(B) - Widening of Elevated Nga Cheung Road 2.1 Site Preparation and Utility Diversion 1.10 Road Works 2.2 Pilling 1.10 Road Works 2.3 Pile Caps 1.10 Road Works 2.4 Piers 1.10 Road Works 2.5 Bridge Decks 1.10 Road Works
1.6 Bridge Decks
1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 Road Works 1.10 Road Works 1.10 Road Works 1.10 Road Works 2.1 Site Preparation and Utility Diversion 1.10 Road Works 1.10 Road Works 2.1 Site Preparation and Utility Diversion 1.10 Road Works 1.10 Road Works 2.1 Site Preparation and Utility Diversion 1.10 Road Works 1.10 Road Works 2.2 Pilling 1.10 Road Works 1.10 Road Works 2.3 Pile Caps 1.10 Road Works 1.10 Road Works 2.3 Pile Caps 1.10 Road Works 1.10 Road Works 2.4 Piers 1.10 Road Works 1.10 Road Works 2.5 Bridge Decks 1.10 Road Works 1.10 Road Works
1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.0 Road Works 1.10 Road Works 1.10 Road Works Scheme H(B) - Widening of Elevated Nga Cheung Road 1.10 Road Works 2.1 Site Preparation and Utility Diversion 1.10 Road Works 2.2 Pilling 1.10 Road Works 2.3 Pile Caps 1.10 Road Works 2.4 Piers 1.10 Road Works 2.5 Bridge Decks 1.10 Road Works
1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 Road Works 1.10 Road Works Scheme H(B) - Widening of Elevated Nga Cheung Road 2.1 Site Preparation and Utility Diversion 1.10 Road Works 2.2 Pilling 1.10 Road Works 2.3 Pile Caps 1.10 Road Works 2.4 Piers 1.10 Road Works 2.5 Bridge Decks 1.10 Road Works
1.10 Road Works
Scheme H(B) - Widening of Elevated Nga Cheung Road 2.1 Site Preparation and Utility Diversion
2.1 Site Preparation and Utility Diversion
2.1 Site Preparation and Utility Diversion
2.3 Pile Caps 2.4 Piers 2.5 Bridge Decks
2.4 Piers 1
2.5 Bridge Decks
2.6 Road Works
Scheme I - U turn to West Harbour Crossing
3.1 Site Preparation and Utility Diversion
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC
3.3 Pilling
3.4 Pile Caps
3.5 Piers
3.6 Bridge Decks
3.7 Road Works
Scheme J - Lin Cheung Road to Nga Cheung Road
4.1 Site Preparation and Utility Diversion
4.2 Modification of Lin Cheung Road Slip Roads
4.3 U Structures
4.4 Road Works
Scheme Q and Improvement Works at the Junction of CR/FS/JR
5.1 Road Surface Removal 79 7
5.2 Road Surface Cleaning 74 74 74 74 74 74 74 74 74 74 74 74 74
5.3 Road Surface Paving 76 76 76 76 76 76 76
5.4 Road Surface Compaction 75 75 75 75 75 75 75
Total SPL, dB(A) 79 79 79 79 79 79 74 74 74 74 74 74 74 74 74 77 79 79 79 79 79 79 79 79
Exceedance 4 4 4 4 4 4 4 4 4 4 4 4

Stage
Scheme H(A) - Hoi Po Road to West Kowloon Highway
1.1 Site Preparation and Utility Diversion
1.2 Shifting of WKH and Lin Cheung Road
1.3 Pilling
1.4 Pile Caps
1.5 Piers
1.6 Bridge Decks
1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.9 Backfilling Retaining Walls 1.0 Road Works 1.0 Road Works
1.8 Construction of Retaning Walls
1.9 Backfilling Retaining Walls
1.10 Road Works Scheme H(B) - Widening of Elevated Nga Cheung Road
Scheme H(B) - Widening of Elevated Nga Cheung Road
2.1 Site Preparation and Utility Diversion 1<
2.1 Site Preparation and Utility Diversion 1<
2.3 Pile Caps
2.3 Pile Caps
2.5 Bridge Decks 2.6 Road Works Scheme I - U turn to West Harbour Crossing 3.1 Site Preparation and Utility Diversion 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers 3.6 Bridge Decks
2.6 Road Works Scheme I - U turn to West Harbour Crossing 3.1 Site Preparation and Utility Diversion Shifting the Approach Roads and Close the Fast Lane of WHC 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC Shifting 3.4 Pile Caps Shifting 3.5 Piers Shifting 3.6 Bridge Decks Shifting
Scheme I - U turn to West Harbour Crossing
3.1 Site Preparation and Utility Diversion 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers 3.6 Bridge Decks
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers 3.6 Bridge Decks
3.3 Pilling 3.4 Pile Caps 3.5 Piers 3.6 Bridge Decks
3.4 Pile Caps 3.5 Piers 3.6 Bridge Decks
3.5 Piers Bridge Decks
3.5 Piers Bridge Decks
3.7 Road Works
Scheme J - Lin Cheung Road to Nga Cheung Road
4.1 Site Preparation and Utility Diversion
4.2 Modification of Lin Cheung Road Slip Roads
4.3 U Structures
4.4 Road Works
Scheme Q and Improvement Works at the Junction of CR/FS/JR
5.1 Road Surface Removal 71 71 71 71 71 71 71
5.2 Road Surface Cleaning 66 66 66 66 66 66 66 66 66 66 66 66
5.3 Road Surface Paving 68 68 68 68 68 68 68 68 68 68 68 68 68
5.4 Road Surface Compaction 67 67 67 67 67 67 67 67 67 67 67 67 67
Total SPL, dB(A) 71 71 71 71 71 71 66 66 66 66 66 66 66 66 66 66 71 71 71 71 71 71 71
Exceedance 1 1 1 1 1 1 1 1 1 1 1 1

NSR:	VT											SPL	dB) ر	(A))										
							2014												15					
Stage		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	e H(A) - Hoi Po Road to West Kowloon Highway																							
	Site Preparation and Utility Diversion																							
1.2	Shifting of WKH and Lin Cheung Road																							
	Pilling																							
1.4	Pile Caps																							
1.5	Piers																							
1.6	Bridge Decks																							
1.7	Excavation for Retaining Walls																							
1.8	Construction of Retaning Walls																							
1.9	Backfilling Retaining Walls																							
1.10	Road Works																							
Schem	e H(B) - Widening of Elevated Nga Cheung Road																							
2.1	Site Preparation and Utility Diversion																							
	Pilling																					\Box		
2.3	Pile Caps																					\Box		
2.4	Piers																					\Box		
2.5	Bridge Decks																							
	Road Works																							
	e I - U turn to West Harbour Crossing																							
3.1	Site Preparation and Utility Diversion																					П		
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																					\Box		
	Pilling																							
3.4	Pile Caps																							
	Piers																							
3.6	Bridge Decks																							
	Road Works																							
	e J - Lin Cheung Road to Nga Cheung Road																							
	Site Preparation and Utility Diversion																				T	\Box	\top	\neg
	Modification of Lin Cheung Road Slip Roads																							
	U Structures																							
	Road Works																							\neg
	e Q and Improvement Works at the Junction of CR/FS/JR																				•			
	Road Surface Removal	71	71	71	71	71	71				Ī										Ī	\neg		
	Road Surface Cleaning							66	66	66	66	66	66	66	66	66	66				<u> </u>	\neg	\dashv	\neg
	Road Surface Paving																	68	68	68	68	68	68	68
	Road Surface Compaction																	67	67	67	67	67		67
	Total SPL, dB(A)	71	71	71	71	71	71	66	66	66	66	66	66	66	66	66	66			71	71	71	71	71
	Exceedance														_	_	_	_	_	_	_	_	_	_

NSR: GB											SPL	dB)	(A))										
						2014												15					
Stage	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Scheme H(A) - Hoi Po Road to West Kowloon Highway																							
1.1 Site Preparation and Utility Diversion																							
1.2 Shifting of WKH and Lin Cheung Road																							
1.3 Pilling																							
1.4 Pile Caps																							
1.5 Piers																							
1.6 Bridge Decks																							
1.7 Excavation for Retaining Walls																							
1.8 Construction of Retaning Walls																							
1.9 Backfilling Retaining Walls																							
1.10 Road Works																							
Scheme H(B) - Widening of Elevated Nga Cheung Road			•																				
2.1 Site Preparation and Utility Diversion																							
2.2 Pilling																							
2.3 Pile Caps																							
2.4 Piers																							
2.5 Bridge Decks																							
2.6 Road Works																							
Scheme I - U turn to West Harbour Crossing																							
3.1 Site Preparation and Utility Diversion																							\Box
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC																							
3.3 Pilling																							
3.4 Pile Caps																							
3.5 Piers																							
3.6 Bridge Decks																							
3.7 Road Works																							
Scheme J - Lin Cheung Road to Nga Cheung Road																							
4.1 Site Preparation and Utility Diversion																						П	\neg
4.2 Modification of Lin Cheung Road Slip Roads	\Box																						
4.3 U Structures	\Box																					\Box	-
4.4 Road Works																						\Box	\neg
Scheme Q and Improvement Works at the Junction of CR/FS/JR																							
5.1 Road Surface Removal	74	74	74	74	74	74																	
5.2 Road Surface Cleaning				•			69	69	69	69	69	69	69	69	69	69						\Box	\dashv
5.3 Road Surface Paving	\vdash						0,	0,	-07	- 0,		0,			-07	-07	71	71	71	71	71	71	71
5.4 Road Surface Compaction	\vdash																70	70	70	70	70	70	70
Total SPL, dB(A)	74	74	74	74	74	74	69	69	69	69	69	69	69	69	69	69	74		74	74	74	74	74
Exceedance										-		-	-	-	-	-	-	-	-	-	-	-	-

SPL (BKA) SPL
Scheme H(A) - Hoi Po Road to West Kowloon Highway
1.1 Site Preparation and Utility Diversion
1.2 Shifting of WKH and Lin Cheung Road
1.3 Pilling
1.4 Pile Caps
1.5 Piers
1.6 Bridge Decks 1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 R
1.7 Excavation for Retaining Walls 1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 Ro
1.8 Construction of Retaining Walls 1.9 Backfilling Retaining Walls 1.10 Road Works 1.10 R
1.9 Backfilling Retaining Walls
1.10 Road Works
Scheme H(B) - Widening of Elevated Nga Cheung Road
2.1 Site Preparation and Utility Diversion 2.2 Pilling 2.3 Pile Caps 2.4 Piers 2.5 Bridge Decks 2.6 Road Works Scheme I - U turn to West Harbour Crossing 3.1 Site Preparation and Utility Diversion 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers
2.2 Pilling 1 <td< td=""></td<>
2.3 Pile Caps 1 2.4 Piers 2.5 Bridge Decks 2.5 Bridge Decks 2.6 Road Works 2.6 Road Works 2.7 Uturn to West Harbour Crossing 3.1 Site Preparation and Utility Diversion 2.8 Shifting the Approach Roads and Close the Fast Lane of WHC 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 2.7 Each Close
2.4 Piers
2.4 Piers
2.6 Road Works
Scheme I - U turn to West Harbour Crossing 3.1 Site Preparation and Utility Diversion 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers
3.1 Site Preparation and Utility Diversion 3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers
3.2 Shifting the Approach Roads and Close the Fast Lane of WHC 3.3 Pilling 3.4 Pile Caps 3.5 Piers
3.3 Pilling 3.4 Pile Caps 3.5 Piers
3.4 Pile Caps 3.5 Piers
3.5 Piers
3.6 Bridge Decks
J.0 Dridge Decks
3.7 Road Works
Scheme J - Lin Cheung Road to Nga Cheung Road
4.1 Site Preparation and Utility Diversion
4.2 Modification of Lin Cheung Road Slip Roads
4.3 U Structures
4.4 Road Works
Scheme Q and Improvement Works at the Junction of CR/FS/JR
5.1 Road Surface Removal 82 82 82 82 82 82 82 82 82 82 82 82 82
5.2 Road Surface Cleaning 77 77 77 77 77 77 77 77 77 77 77 77 77
5.3 Road Surface Paving 79 79 79 79 79 79 79 79 79 79 79 79 79
5.4 Road Surface Compaction 78 78 78 78 78 78 78 78 78
Total SPL, dB(A) 82 82 82 82 82 82 77 77 77 77 77 77 77 77 77 77 82 82 82 82 82 82 82 82 82 82 82 82 82
Exceedance 7 7 7 7 7 7 2 2 2 2 2 2 2 2 2 2 7 7 7 7 7 7 7