Appendix 4.5
Construction Noise Calculation
during Non-Restricted Hours
(Unmitigated Scenario)

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR:

\$C2 - Semantic Floor Block 8

Cummingrand F

Representative Floor mPD: 212 m

nepresentative rico	***	Tion iii b.																								
		Work [1]			5- 5- 8- 1- 10	2028	ct Nov Dec Jan Feb Mar Apr	2029	ا ما اساما	2030		5-5 11-1 11-1 11-1	2031	Sen Oct New Dec Jan Fe	2032		Feb Mar And May Ju	2033		2034		[co.]	2035	Dec Jan Feb Mar Apr	2036	s s s s
Groups of PME	Construction Articity	Zone	Dist ⁽²⁾	SPL ¹⁴ Somo			10 11 12 13 14 15 16		Oct Nov Dec Jan Feb I	Mar Apr May Jun Jul 27 39 39 30 30 31	Aug Sep Oct Nev Dec	Jan Heb Mar Apr Mi	-,	45 46 47 48 49 5	6 Mar Apr May Jun Jul	Aug Sep Oct Nev Dec Jan	Feb Mar Apr May Ju	n Jul Aug Sep Oct	Nov Dec Jan Feb Mar Apr N	May Jun Jul Aug S	ap Oct Nov Dec Jan	ee er ee ee		96 97 98 99 100		
	(A) Work Zone at Tai Chung Road Interchange	160.	UNIC (III)	- OCTOR	1 1 3 7 3		S 11 12 15 14 15 16			D D D S	2 2 2 2 2	2 2 2 4 4		0 0 0 0 0	2 2 2 2	2 3 2 2 3	u					50 01 00 03 3	2 2 2 2 2	20 27 20 23 100	101 102 105 104	65 166 161 166
	Works Area 1 (A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	110 44	01	25 25	$\overline{}$		-	91		$\overline{}$	$\overline{}$	$\overline{}$		$\overline{}$			-		$\overline{}$	+++	+++			+++	$\overline{}$
2	(A2) I Milities Protection and Diversion Works	Works Area 1	119 44	81	26 26		 		81		 		 					 						-	$\overline{}$	+
	(A3) Construction of Bridge Structure for Slip Road E (A3.1) Piling Works	PW-1	440			$\overline{}$		$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$		\cdots		$\overline{}$	$\overline{}$		$\overline{}$	+	$\overline{}$		$\overline{}$	$\overline{}$	-
5	(A3.2) Pile Caps and Piers	PW-1	120 -		29 38																+				+++	+
6	(A3.3) Bridge Deck (A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A Work Zone 1A	119 -		39 48							-	-							-	+	\rightarrow			\Box	\perp
7	(A3.5) Roadworks, Drainage & Utilities	Works Area 1	117 44	79	55 56			 	 		 	- 	 		79	79		 		 					+++	$\overline{}$
8	(A3.6) Pavement (A4) Improvement at Hoi Hing Road / Hoi On Road Junction	Works Area 1	118 44	80	57 57											80						=				
7	(A4) Improvement at Hoi Hing Road / Hoi On Road Junction (A4.1) Roadworks, Drainage & Utilities	Works Area 1	117 44	79	58 59		+++++		$\overline{}$			-	+		$\overline{}$	79 79		-		-	++++	+++			++++	-
8	(A4.2) Pavement (B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	Works Area 1	118 44	80	60 60											80					$\pm \Box \Box$	=				
	(B) Work Zone between Tai Ho Koad and Tsuen Tsing Interchange Works Area 2								$\overline{}$				 				-				+		++++		+++	-
1	(B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 2	119 -		25 25																					
2	(B2) Utilities Protection and Diversion Works (B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	Works Area 2	119 -		26 26							-	+							++++	++++	+++			++++	-
4	(B3.1) Piling Works	PW-2	118 -		27 47																					-
5	(B3.2) Pile Caps and Piers (B3.3) Bridge Deck	PW-2 Works Area 2	120 -		29 49	++++		-	++++	-	+++++	-	++++		+++++		\cdots	++++	-	+++	+++-	+++	++++		++++	++++
9	(B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -		51 59																				$\overline{}$	-
7	(B3.5) Roadworks, Drainage & Utilities (B3.6) Payement	Works Area 2	117 -		60 61								-								+				+	\perp
8	(B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure	Works Area 2	118 -		02 62																++++					$\pm\pm\pm$
4	(B4.1) Piling Works	PW-2-NMM	118 -		27 50									\rightarrow						\perp	+	$\rightarrow \rightarrow$			\Box	
5 11	(B4.2) Pile Caps and Piers (B4.3) Erection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	120 -		29 52 53 62	++++	++++	 	 	- 	 	- 	 		 	- 	 	 	- 	+++	+++				++++	++++
	(BS) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KInB) to TTI																									
4	(B5.1) Piling Works (B5.2) Pile Caps and Piers	PW-2A PW-2A	118 -		27 33	+		-	$\overline{}$	-	+++++	-	+	-	$\overline{}$		++++	+	-	+++	+++				++++	-
6	(B5.3) Bridge Deck	Works Area 2	119 -		36 47				$\overline{}$			-			$\overline{}$						+				$\overline{}$	-
9	(B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection (B5.5) Demolition of Existing Downramp	Work Zone 2C Work Zone 2D	119 -		48 53	++++		++++	++++	-	+++++	-	++++	-	\cdots	$\overline{}$	+++	++++		+++	+++	+++			++++	+
7	(B5.6) Roadworks, Drainage & Utilities	Work Zone 2D	117 -		60 61																					
8	(B5.7) Pavement	Work Zone 2D	118 -		62 62							$\overline{}$	\Box							$\overline{}$	+	$\overline{}$			$\overline{}$	\Box
7	(B6) Modification of At-grade Roads (B6.1) Roadworks, Drainage & Utilities	Works Area 2	117 -		27 28		+++++	-	$\overline{}$	-		-	 							+	+++-		+		+++	++++
8	(B6.2) Pavement	Works Area 2	118 -		29 29																					
	(C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange Works Area 3						+++++						- - - 					 		 						+
1	(C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	119 -		1 1	\cdots							\bot							\bot	+	\rightarrow			\blacksquare	
2	(C2) Utilities Protection and Diversion Works (C3) Retaining Structures for At-grade Roadworks	Works Area 3 Work Zone 3&	119 -		2 2		+++++	$\overline{}$	+++++		++++++++++++++++++++++++++++++++++++	-	++++		+++++		+++	++++	+++++	+++	+++-	+++			+++	+
3	(C4) Stoneworks	Work Zone 3B	120 -		27 41																					
12	(C5) Modification of Kwai Hei Street Underpass (HyO Structure No. N521) (C6) Modification of Kwai Hei Street Footbridge (HyO Structure No. NF185)	Work Zone 3C Work Zone 3D	120 -		1 12	++++		-	$\overline{}$			-							-	+++	+++-				++++	++++
7	(C7) Roadworks, Drainage & Utilities	Works Area 3	117 -		46 47																					\pm
8	(C8) Pavement (D) Work Zone between Kwai Tsing Interchange and Container Port Road	Works Area 3	118 -		48 48	++++		-	$\overline{}$				-							-	+++	+++			++++	-
	Works Area 4																									
1 2	(D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works (D2) Utilities Protection and Diversion Works	Works Area 4 Works Area 4	119 -		13 13		+++++	-		-		-	-					++++			+++	+++			+++++	+
14	(D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -		15 27				-			-			$\overline{}$			-			+			-	-	-
3	(D4) Slopeworks (D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp	Work Zone 4B	120 -		28 39							-	-		\cdots		-	$\overline{}$		$\overline{}$	$\pm \pm $				$\overline{}$	
1	(D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 -		13 13																				$\overline{}$	-
4	(D5.2) Piling Works (D5.3) Pile Caps and Piers	PW-4A PW-4A	118 -		14 20			$\overline{}$				$\overline{}$	$\overline{}$		\cdots		$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	+			$\overline{}$	$\overline{}$	
6	(D5.4) Bridge Deck to widen Ramp F	Work Zone 4D	119 -		23 27						 		 				 	 			+					-
10	(D5.5) Demolition of Existing Downramp (Part 1) (D5.6) Construction of New Downramp	Work Zone 4E Work Zone 4F	119 -		28 30							$\overline{}$	$\overline{}$							$\overline{}$	+	\rightarrow			+	
10	(D5.7) Demolition of Existing Downramp (Part 2)	Work Zone 4F Work Zone 4G	119 -		31 33 34 36	 						-	+								++++	+++			++++	-
7	(D5.8) Roadworks, Drainage & Utilities	Work Zone 4H	117 -		37 38							$\overline{}$								$\overline{}$	+	$\overline{}$			$\overline{}$	
8	(DS.9) Pavement (D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)	Work Zone 4H	118 -		39 39		+++++	-	$\overline{}$	-		-	 							+++	++++	+++	+		++++	-
4	(D6.1) Piling Works (D6.2) Pile Caps and Piers	PW-4 PW-4	118 -		40 46						\Box	$\overline{}$	$\overline{}$		$\overline{}$			$\overline{}$		$\overline{}$	$\pm \pm \pm \pm$	\rightarrow			++++	$\overline{}$
6	(D6.2) Pile Caps and Piers (D6.3) Bridge Deck	Work Zone 4I	119 -		47 53 54 59	 	+++++											 		 	++-	-				
7	(D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -		60 61																					
8	(D6.5) Pavement (E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 -		62 62		+++++											 			+++-	+++			++++	-
	(E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median												-								+	\rightarrow			\blacksquare	
16 7	(E1) Dismantling Existing Parapet and Installation of New Profile Barrier (E2) Roadworks	Work Zone 5A Works Area 5	121 -		63 69 70 71						 		 					 		- 		. 				++++
8	(E3) Pavement	Works Area 5	118 -		72 72																					
	(F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road Works Area 6										 	- 	 					 	-	- 						-
1	(F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 -		61 61																+					
2	(F2) Utilities Protection and Diversion Works (F3) Construction of Bridge Structure for Slip Road C	Works Area 6	119 -		62 62	+	 	+++	+++	+++	+++	-	+	+++	+++	-	+++	+++	$\overline{}$	+++	+++	+++	+++	++	+++	++
17	(F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 6A	90 -		63 63																					
15	(F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road (F3.3) Piling Works	Work Zone 6B Piling Work Area 6	117 -		63 63	++-	+++++-	+++-	+++++	++	++++-	++++	+	++++	++++-	++++	++++	++	$\overline{}$	++	++-	++	+++-	++	++-	+
5	(F3.4) Pile Caps ad Piers	Piling Work Area 6	120 -		66 86																					
6	(F3.5) Bridge Deck	Works Area 6	119 -		87 99								\Box							\Box	\mp	π	$\pm \pm \pm \pm \pm$		\Box	\pm
14	(F3.6) Retaining Structures for At-grade Roads (F3.7) Slopeworks	Wark Zone 6C Wark Zone 6D	120 -		/3 78 79 84	 	++++	 	 	- - - - - - - - -	 		 		 	- 	 	 		 	++++	, 	++++	_ 		-
11	(F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 -		100 105																+	\rightarrow	$\overline{}$	\rightarrow	\Box	\bot
7 8	(F3.9) Roadworks, Drainage & Utitities (F3.10) Pavement	Works Area 6 Works Area 6	117 -		106 107	++++	+++++	++++	+++++	+++	+++++	++++	+	++++	++++++++++++++++++++++++++++++++++++		++++	++++		+++	+++	+++			++++	+++
-			1																							
		Overall No.	ise Level, Leq (30min), d	49(A)		+	 	+++	91 91	++	+++	-	+	$\overline{}$		70 90 70 70 90	+++	++	$\overline{}$	+++	+++	-++	+++	+	+++	+

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR: SM2: 1 shutton Army fig fold Wall Memoral Gridespatro

Scenario: 2

Floor mPD: 8.8 m

of PME		Zone	Dist ^[2]	Building	Start End Jan Feb I	lar Apr May Jur	Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr M	May Jun Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Jun J	lul Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Jun J	at Aug Sep Oct Nov Dec Jan	Feb Mar Apr May Jun Jul Aug	Sep Oct Nov Dec 3an Peb	Mar Apr May Jun Jul Aug Sep Oc	t Nov Dec Jan Feb Mar Apr N	May Jun Jul Aug Sep Oct Nov Dec Ja	an Peo Mar Apr May Jun Ju Aug Sep Oct	Nov Dec Jan Feb Mar P	Apr May Jun Jul Aug
Æ	Construction Activity A) Work Zone at Tai Chung Road Interchange	No.	SWL (m) SF	PL ¹⁴ Screening	Month Month 1 2	3 4 5 6	7 8 9 10 11 12	13 14 15 16 1	17 18 19 20 21 22 23 24	25 26 27 28 29 30 3	31 32 33 34 35 36	37 38 39 40 41 42 4	3 44 45 46 47 48 49	50 51 52 53 54 55 56	57 58 59 60 61 62	63 64 65 66 67 68 69 70	71 72 73 74 75 76	77 78 79 80 81 82 83 84 85	15 86 87 88 89 90 91 92 93 94	95 96 97 98 99 1	100 101 102 103 104
	Norks Area 1																				
1	A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works A2) Utilities Protection and Diversion Works	Works Area 1 Works Area 1	119 31 8	84	25 25	$\overline{}$		$\overline{}$		84	$\overline{}$					$\overline{}$	\cdots			$\overline{}$	
P	A3) Construction of Bridge Structure for Slip Road E		119 31 8	84	26 26					84							 	++++++	+ + + + + + + + + + + + + + + + + + + 	++	
i	A3.1) Piling Works	PW-1	118 38 8	81	27 36					81 81 81 81 8	81 81 81 81 81 81										
6	A3.2) Pile Caps and Piers A3.3) Bridge Deck	PW-1 Work Zone 1A	120 38 8	84 84	29 38 48	+++		 		84 84 8	84 84 84 84 84 84	84 84 84 84 84 8	4 84 84 84 84 84				+++++	++++++			++++
6	A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A	119 30 8	84	49 54								84	84 84 84 84 84							
	A3.5) Roadworks, Drainage & Utilities	Works Area 1 Works Area 1	117 31 8	82	55 56	$\overline{}$								82 82						$\overline{}$	$\overline{}$
,	A3.6) Pavement A4) Improvement at Hoi Hing Road / Hoi On Road Junction		118 31 8	83	5/ 5/										83		 	++++++		++	
	A4.1) Roadworks, Drainage & Utilities	Works Area 1	117 31 8	82	58 59										82 82						
,	A4.2) Pavement B1 Work Zone between Tai Ho Road and Tsuen Tsing Interchange	Works Area 1	118 31 8	83	60 60	+++									83		 				
ù	Norks Area 2																				
7	B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 2	119 189 6	69	25 25	\perp				69											
,	B2) Utilities Protection and Diversion Works B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	Works Area 2	119 189 6	68	26 26					58											
0	B3.1) Piling Works	PW-2	118 299 6	63	27 47					63 63 63 63 6	63 63 63 63 63	63 63 63 63 63 6	3 63 63 63 63								
	B3.2) Pile Caps and Piers B3.3) Bridge Deck	PW-2 Works Area 2	120 299 6	66	29 49	+		-		66 66 6	66 66 66 66 66	66 66 66 66 66 6	6 66 66 66 66 66		60 60	++++++				+++++	
0	B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -	~	51 59																
	B3.5) Roadworks, Drainage & Utilities	Works Area 2	117 189 6	66	60 61	\perp									66 66						
,	B3.6) Pavement B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure	Works Area 2	118 189 6	68	62 62	 							 		68						
ē	B4.1) Piling Works	PW-2-NMM	118 299 6	63	27 50					63 63 63 63 6	63 63 63 63 63	63 63 63 63 63 6	3 63 63 63 63 63 63	63							
r	B4.2) Pile Caps and Piers B4.3) Erection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	120 299 6	66	29 52	+		-				w w w w w w		w w w							
0	B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI		[" "													<u> </u>	 		
7	B5.1) Piling Works	PW-2A PW-2A	118 -		27 33						$+\Box\Box\Box$						+			+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	
0	B5.2) Pile Caps and Piers B5.3) Bridge Deck	PW-2A Works Area 2	119 189 6	68	36 47 S	+++	 	 	 	 	68	68 68 68 68 68 6	8 68 68 68		 		 	 	 	 	
0	B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2C	119 -		48 53																
1	B5.5) Demolition of Existing Downramp B5.6) Roadworks, Drainage & Utilities	Work Zone 2D Work Zone 2D	119 -		54 59	+++					+++++			++++++		+++++++		++++++		++++	$-\!+\!-\!+\!-$
- 0	B5.7) Payement	Work Zone 2D	118 -		62 62	+++															
	B6) Modification of At-grade Roads				l l 	\perp															
ľ	B6.1) Roadworks, Drainage & Utilities B6.2) Payement	Works Area 2 Works Area 2	117 189 6	66	27 28	+++				66 66							 				
- 7	C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange		.	-																	
F	Norks Area 3 C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	440		I . I . I I I I	+++					+++++	\cdots		++++++				++++++		++++	-
,	C1) Site Clearance / Set-up / Plant Modelization / Tree Peaning and Transplanting Works C2) Utilities Protection and Diversion Works	Works Area 3	119 -		2 2	 															
	C3) Retaining Structures for At-grade Roadworks	Work Zone 3A	120 -		3 26																
F	C4) Slopeworks C5) Modification of Kwai Hei Street Undernass (HvD Structure No. N521)	Work Zone 3B Work Zone 3C	120 -		27 41	-		-			+									+++++	
è	C6) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185)	Work Zone 3D	120 -		1 12															$\overline{}$	
į,	C7) Roadworks, Drainage & Utilities C8) Pavement	Works Area 3 Works Area 3	117 -		46 47	\perp															
,	CS) Pavement D) Work Zone between Kwai Tsing Interchange and Container Port Road	Works Area 3	118 -		48 48						+++++	 	 				 			++++++	
ř	Norks Area 4	Works Area 4																			
- 0	D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works D2) Utilities Protection and Diversion Works	Works Area 4	119 -		13 13 14			-													
į.	D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -		15 27																
1	D4) Slopeworks D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp	Work Zone 4B	120 -		28 39	+++					+			+		++++++	++++++				
,	D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 -		13 13	 		 													
- 1	D5.2) Piling Works	PW-4A	118 -		14 20																
ľ	DS.3) Pile Caps and Piers DS.4) Bridge Deck to widen Ramo F	PW-4A Work Zone 4D	120 -		16 22	+++															
è	D5.5) Demolition of Existing Downramp (Part 1)	Work Zone 4E	119 -		28 30															$\overline{}$	
- /	D5.6) Construction of New Downramp D5.7) Demolition of Existing Downramn (Part 2)	Work Zone 4F Work Zone 4G	119 -		31 33	\perp															
	D5.7) Demolition of Existing Downramp (Part 2) D5.8) Roadworks, Drainage & Utilities	Work Zone 4G Work Zone 4H	119 -		34 36 37 38	+++											 				
	DS 9) Payament	Work Zone 4H	118 -		39 39																
ř	D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB) D6.1) Piling Works	PW-4	110		40 40	+	 	+++		 	+++	 	 	 	++++	 	++++	 	+ + + + + + + + + + + + + + + + + + + 	++++	-
è	D6.2) Pile Caps and Piers	PW-4	120 -		47 53													<u> </u>			
	D6.3) Bridge Deck D6.4) Roadworks: Drainage & Utilities	Work Zone 4I Work Zone 4I	119 -		54 59																
	D6.4) Roadworks, Drainage & Utilities D6.5) Pavement	Work Zone 4I Work Zone 4I	117 -		62 62	+++	 	 		 	 	 	 		 		 	 	 	 	.
ê	E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median		1																		
ř	E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median E1) Dismanting Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 221			+	 	+++		 	+++	$\overline{}$	 	 	++++		++++	 		++++	-
ė	E2) Roadworks	Works Area 5	117 223	65	70 71											65 68 68 68 68 68 68 68	65		, , , , , , , , , , , , , , , , , , , 		
é	E3) Pavement	Works Area 5	118 223	66	72 72			\Box			+						66			\Box	
ŷ	F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road Norks Area 6					+++	 	 		 	 	 	 		 		 	 	 	 	.
	F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 -		61 61													<u> </u>	<u> </u>		
1	F2) Utilities Protection and Diversion Works F3) Construction of Bridge Structure for Slip Road C	Works Area 6	119 -		62 62				+		$+\Box\Box\Box$						\Box			+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	
0	F3) Construction of Bridge Structure for Slip Road C F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 6A	90 -		63 63	+++	 		 		 	 									
0	F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6B	117 -		63 63															$\overline{}$	
0	F3.3) Piling Works F3.4) Pile Caps ad Piers	Piling Work Area 6 Piling Work Area 6	118 -		64 83	+	 	+++		 	+++	 	 		++++	 	++++	 	+ + + + + + + + + + + + + + + + + + + 	++++-	-
	F3.5) Bridge Deck	Works Area 6	119 -		87 99													 	 	++++	
0	F3.6) Retaining Structures for At-grade Roads	Work Zone 6C	120 -		73 78															$\overline{}$	
F	F3.7) Slopeworks F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6D Work Zone 6B	120 -		/9 84 100 105	+++	 	 			 	 	 		 		 	 	 		.
è	F3.9) Roadworks, Drainage & Utitities	Works Area 6	117 -		106 107													 			
1	F3.10) Pavement	Works Area 6	118 -		108 108	1	\Box	\Box	+		$+\Box\Box\Box$						\Box			+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	
ı						+++	 	 		 	 	 	 		 		 		 		
		Overall N	Noise Level, Leq (30min), di	IB(A)						85 84 82 82 86 86 1	86 86 86 86 86	84 84 85 85 85 85 8	5 85 85 85 84 84	84 84 84 84 84 82 82	83 82 82 83 66 68	68 68 68 68 68 68 6	65 66	 			
				•																	
rea with	length to width ratio exceeding 5:1 is divided into Subareas.																				
hich ar.	e completely out of 300m assessment area from the NSR is not considered in the a raçade Correction.	ssessment.																			

NSR: CG2 - Clope Garden Bitted Block A
Scenario: Unmittigated V
Representative Floor: 5F Floor mPD: 15.3 m

		Work [1]				2028		2029		2030		2031		2032		2033		2034		2035		2036	$\overline{}$
		Zone	Dist ⁽²⁾	Building Sta	rt Ford Jan Feb Ma	Apr May Jun Jul Aug Sep Oct	Nov Dec Jan Feb	er Apr May Jun Jul Aug Sep (Oct Nov Dec Jan Feb Mar	Apr May Jun Jul Aug S	Sep Oct Nov Dec Jan	Feb Mar Apr May Jun Ju	I Aug Sep Oct Nov Dec Ja	Feb Mar Apr May Jun Jul A	Aug Sep Oct Nov Dec Jan Feb	Mar Apr May Jun Jul Aug S	Oct Nov Dec Jan Feb M	ar Apr May Jun Jul Aug Se	ap Oct Nov Dec Jan Feb Mar	Apr May Jun Jul Aug Sep C	et Nov Dec Jan Feb Mar	ipr May Jun Jul Aug Sep	Oct Nov Dec
Groups of PME	Construction Activity	No.	SWL (m)	SPL ¹⁴ Screening Mor	th Month 1 2 3	4 5 6 7 8 9 10	11 12 13 14	5 16 17 18 19 20 21	22 23 24 25 26 27	28 29 30 31 32	33 34 35 36 37	38 39 40 41 42 43	44 45 46 47 48 45	50 51 52 53 54 55	56 57 58 59 60 61 62	63 64 65 66 67 68 6	70 71 72 73 74 7	5 76 77 78 79 80 81	1 82 83 84 85 86 87	88 89 90 91 92 93 1	14 95 96 97 98 99	00 101 102 103 104 105	106 107 108
	(A) Work Zone at Tai Chung Road Interchange								-		-			\cdots									=
1	Works Area 1 (A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	119 68	78 25	5 25				78														-
2	(A2) Utilities Protection and Diversion Works	Works Area 1	119 68	77 26	26				77														
	(A3) Construction of Bridge Structure for Slip Road E	PW-1		_ 												\rightarrow
4	(A3.1) Piling Works (A3.2) Pile Caps and Piers	PW-1	118 /5	75 21	36				1 1/3	75 75 75 75 75	75 75 75 75 76	70						+++++					
6	(A3.3) Bridge Deck	Work Zone 1A	119 66	78 36	48					70 70 70 70	.0 1.0 1.0 1.0 1.0	78 78 78 78 78	78 78 78 78 78								$\overline{}$.——
9	(A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A Works Area 1	119 66	78 46	54				$\overline{}$		$\overline{}$		78	78 78 78 78 78			$\overline{}$				-		=
7	(A3.5) Roadworks, Drainage & Utilities (A3.6) Pavement	Works Area 1 Works Area 1	117 68	75 56	56 57			+++++					++++	75	75	\cdots	++++			\cdots	+		\rightarrow
°	(A4) Improvement at Hoi Hing Road / Hoi On Road Junction		110 00	76	1 9/						 				1"						+		
7	(A4.1) Roadworks, Drainage & Utilities	Works Area 1	117 68	75 58	59										75 75								
8	(A4.2) Pavement (B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	Works Area 1	118 68	76 60	60	\cdots		+	+++++	+	++++	-	+++++	\cdots	76	\cdots	++++	+	+++++	-	+		-
	(B) Work Zone between fai Ho Road and I suen I sing Interchange Works Area 2				1 1 1 1				+														
1	(B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 2	119 211	68 25	5 25				68	 	 												.——
2	(B2) Utilities Protection and Diversion Works	Works Area 2	119 211	67 26	3 26				67														
	(B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	PW-2			. . - -				+	+											+		$\overline{}$
4	(B3.1) Piling Works (B3.2) Pile Caps and Piers	PW-2 PW-2	118 -	21	4/																		
6	(B3.3) Bridge Deck	Works Area 2	119 211	67 50	58									67 67 67 67 67 67	67 67 67								
9	(B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -	51																			\blacksquare
7	(B3.5) Roadworks, Drainage & Utilities (B3.6) Pavement	Works Area 2 Works Area 2	117 211	65 60	61		++++	+++++				+++++	++++	+++++	65 65	+ + + + + + +	 		++++	 	+++++	+++++	\mathcal{H}
8	(B3.6) Pavement (B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure	works Area 2	110 211	pt pt	· ° - -	 	 	 						 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	+ + + + + + + + + + + + + + + + + + + 		,——				
4	(B4.1) Piling Works	PW-2-NMM	118 -	27	50									<u> </u>									
5	(B4.2) Pile Caps and Piers	PW-2-NMM	120 -	25	52																		
- 11	(B4.3) Erection of Noise Barrier Frame and Panels (B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI	Work Zone 2B	118 -	53	62	 	+++	+++++	++++		 	$\overline{}$		 		 	 		++++	 	++++	+++-	\rightarrow
4	(BS.1) Piling Works	PW-2A	118	27	. 1 33									 			 		 				.——
5	(B5.2) Pile Caps and Piers	PW-2A	120 -	25																			
6	(B5.3) Bridge Deck	Works Area 2	119 211	67 36							67 67	67 67 67 67 67 67	67 67 67 67										
9	(B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection (B5.5) Demolition of Existing Downramp	Work Zone 2C Work Zone 2D	119 -	48						++++	++++	++++	++++	++++		+ + + + + + +	 	++++	++++	 	+++++	++++	-
7	(B5.6) Roadworks, Drainage & Utilities	Work Zone 2D	117	9	81		-																
8	(B5.7) Pavement	Work Zone 2D	118 -	60	62																		
	(B6) Modification of At-grade Roads	l																					
7	(B6.1) Roadworks, Drainage & Utilities (B6.2) Pavement	Works Area 2 Works Area 2	117 211	65 27	28				65	65													\rightarrow
	(C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange	WORG AND 2	110 211	67 23	' " 					6/													
	Works Area 3									-	-						 				$\overline{}$.——
1	(C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	119 -	1																			
2	(C2) Utilities Protection and Diversion Works	Works Area 3 Work Zone 34	119 -	2	2				+	+											+		$\overline{}$
14	(C3) Retaining Structures for At-grade Roadworks (C4) Slopeworks	Work Zone 3A Work Zone 3B	120 -	3	7 41																		
12	(C5) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3C	120 -	1	12																		
13	(C6) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185)	Work Zone 3D	120 -	1	12																		\blacksquare
7	(C7) Roadworks, Drainage & Utilities (C8) Pavement	Works Area 3 Works Area 3	117 -	46	47						-						\cdots						
° ·	(D) Work Zone between Kwai Tsing Interchange and Container Port Road	WORG AND 3	110 -	1 1	' I *° 															 			
	Works Area 4							-	-	-	-						\cdots				-	-	
1	(D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 4	119 -	15																			\Box
2	(D2) Utilities Protection and Diversion Works (D3) Retaining Structures for At-grade Roadworks	Works Area 4 Work Zone 4A	119 -	14	14																		
3	(D4) Slopeworks	Work Zone 4B	120 -	28	39		 			 	 												.——
	(DS) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp																						
1 1	(D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 -	15	13				+	+											+		$\overline{}$
4 6	(DS.2) Piling Works (DS.3) Pile Caps and Piers	PW-4A PW-4A	118 -	14	20				+		 		\cdots			\cdots	\cdots		+	\cdots	+		
6	(D5.4) Bridge Deck to widen Ramp F	Work Zone 4D	119 -	23	27																		.——
10	(D5.5) Demolition of Existing Downramp (Part 1)	Work Zone 4E	119 -	28	30																		\blacksquare
6	(DS.6) Construction of New Downramp (DS.7) Demolkion of Existing Downramp (Part 2)	Work Zone 4F Work Zone 4G	119 -	31	33		-			+	+												
7	(D5.8) Roadworks, Drainage & Utilities	Work Zone 4H	117	3	38																		
8	(D5.9) Payement	Work Zone 4H	118 -	36	39																		
	(D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB) (D6.1) Piling Works	PW-4	140		J 	 	+++	+++++	+++	$+++\Box$	+++	-	++++	 	 	 	++++	++++	++++	++++	++++	-	-
5	(D6.1) Piling Works (D6.2) Pile Caps and Piers	PW-4 PW-4	118 -	40	53	 	 	 			- 			 		 		.——					
6	(D6.3) Bridge Deck	Work Zone 4I	119 -	54	59			 						 			 	 	 				.——
7	(D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -	60	61																		
8	(D6.5) Pavement (E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 -	62		\cdots			+++++	++++	++++	++++	++++	+++++			+++++	++++			+		
	(E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median					 		 					++++			 	 	 	 		++++		+H
16	(E1) Dismantling Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 252	68 63	8 69											68 68 68 68 68 68							
7	(E2) Roadworks	Works Area 5	117 243	64 70	71						\perp						64 64						
8	(E3) Pavement (F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	Works Area 5	118 243	tb 72	1 /2		++++	+++++	+++++	++++	++++	++++	++++	+++++			65	+++++			++++++++++++++++++++++++++++++++++++	+++++	
	Works Area 6					 	 	 		 			++++	 		 	 	 	+++++		1 		,——
1	(F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 -	6:	61																		
2	(F2) Utilities Protection and Diversion Works	Works Area 6	119 -	60	62				\perp	$\perp T = T$	\perp			$\overline{}$					\perp		\perp	\perp	
17	(F3) Construction of Bridge Structure for Slip Road C (F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 64			.		++++	 						++++			 	+ + + + + +			++++		\rightarrow
15	(F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6A Work Zone 6B	117	60	63	 	 	 		 			 	 		 		.——					
4	(F3.3) Piling Works	Piling Work Area 6	118 -	64	83																		
5	(F3.4) Pile Caps ad Piers	Piling Work Area 6	120 -	66	86																		
6	(F3.5) Bridge Deck (F3.6) Retaining Structures for At-grade Roads	Works Area 6 Work Zone 6C	119 -	87	99		++++	+++++			++++		++++	+++++				+++++			+++++	++++	+
3	(F3.7) Slopeworks	Work Zone 6D Work Zone 6D	120	70	1 84	 		 						 		 	++++		\rightarrow				
11	(F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 -	10	0 105																		
7	(F3.9) Roadworks, Drainage & Utilities	Works Area 6	117 -	10	6 107																		
8	(F3.10) Pavement	Works Area 6	118 -	10				+++++						\cdots			 	++++					\rightarrow
1						 		 	++++				 	 			 	 	 		++++		\rightarrow
		Overall No	ise Level, Leq (30min).), dB(A)					78 78 76	76 80 80 80 80	80 80 80 80 78	78 78 78 78 78 78	8 78 78 78 78 78 78	78 78 78 78 78 76	76 77 76 75 77 65 67	68 68 68 68 68 68	8 64 64 65						
Remarks:																							

Remarks:

11 The Works Area with length to width ratio exceeding 5:1 is divided into Subareas.

21 Works area which are completely out of 300m assessment area from the NSR is not considered in the assessment.

31 Includes a +3 dB(A) Facache Correction.

41 For the discladion of sound resurse levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Notes from Constitution Work other than Percussive Palms" by EPD.

	Construction Activity	Zone No.	SWL (m)	SPL ⁻¹ Building St Screening Mo	nth Month 1 2	3 4 5 6 7 8 9	10 11 12 13 14 15 16	17 18 19 20 21 22 23	3 24 25 26 27 28 29	30 31 32 33 34 35 36	37 38 39 40 41 42 43	44 45 46 47 48 49 50	51 52 53 54 55 56	57 58 59 60 61 62 63 64 65 6	6 67 68 69	0 71 72 73 74 75 76	77 78 79 80 81 8	12 83 84 85 86 87 88 8	9 90 91 92 93 94 95 96 97	98 99 100 101 102 1	2 103
(A)	Work Zone at Tai Chung Road Interchange																				⇇
	orks Area 1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	110 194		s 36 				1 60							+				++++	+
(A2) Utilities Protection and Diversion Works	Works Area 1	119 184	69 2	6 26	 									 			 			+
(A3	I) Construction of Bridge Structure for Slip Road E																			+	ፗ
	3.1) Piling Works 3.2) Pile Caps and Piers	PW-1 PW-1	118 174	68 2	7 36				68 68 68	68 68 68 68 68 68	31 31				+					++++	+
	3) Bridge Deck	Work Zone 1A	119 182	69 3	9 48				 	**************************************	69 69 69 69 69	59 69 69 69			 		+ + + + + + +	++++++		+++++	+
(A3	8.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A	119 182	69 4	9 54							69 69	69 69 69 69								二
	8.5) Roadworks, Drainage & Utilities	Works Area 1 Works Area 1	117 184	67 5	6 56								67 67		+	+				++++	+
(A3	I.6) Pavement I) Improvement at Hoi Hing Road / Hoi On Road Junction	Works Area 1	118 184	68 5	/ 5/		 							*			++++	+++++		++++	+
(A4	I.1) Roadworks, Drainage & Utilities	Works Area 1	117 184	67 5	8 59									67 67							
(A4	I.2) Pavement	Works Area 1	118 184	68 6	0 60									68	\perp					+	ፗ
(B)	Work Zone between Tai Ho Road and Tsuen Tsing Interchange orks Area 2									+										++++	+
(B1	I) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 2	119 29	85 .10 2	5 25				75											++++	+
		Works Area 2	119 29	85 -10 2	6 26				75												
(B3	Construction of Bridge Structure for Additional Lane above Tsuen Wan Park									$\overline{}$										+	\perp
(B3	I.1) Piling Works I.2) Pile Caps and Piers	PW-2 PW-2	118 65	77 -10 2	7 47	+++++			67 67 67	67 67 67 67 67 67 67	67 67 67 67 67 67 67	57 67 67 67			 			+++++		++++	+
(B3	3) Bridge Deck	Works Area 2	119 29	85 -10 5	0 58					3 3 3 3 3 3 3	3 3 3 3 3 3 3	75	75 75 75 75 75 75	75 75							+
(B3	(.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -	-10 5	1 59																\perp
(B3	I.5) Roadworks, Drainage & Utilities	Works Area 2 Works Area 2	117 29	83 -10 6	0 61									73 73	++++					++++	┺
(B3	I) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure	Works Area 2	118 29	84 -10 6	2 62										- 					-	+
(B4	I.1) Piling Works	PW-2-NMM	118 59	78 -10 2	7 50				68 68 68	68 68 68 68 68 68	68 68 68 68 68 68	8 68 68 68 68 68 68			+					$\overline{}$	-
(B4	I.2) Pile Caps and Piers	PW-2-NMM	120 59	80 -10 2	9 52				70	70 70 70 70 70 70 70	70 70 70 70 70 70 70 70	70 70 70 70 70 70 70	70 70								₽
(B4	i.3) Erection of Noise Barrier Frame and Panels i) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI	Work Zone 2B	118 88	/4 -10 5	3 62	 			+ + + + + + +				64 64 64 64	64 64 64 64	+++		 		 	++++	+
(B5	i.1) Piling Works	PW-2A	118 -	-10 2	7 33		 		 						 			 	 		+
(B5	i.2) Pile Caps and Piers	PW-2A	120 -	-10 2	9 35										\Box					$\overline{}$	ㅁ
(B5	i.3) Bridge Deck i.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Works Area 2	119 29	85 -10 3	6 47	$+\Box$				75	75 75 75 75 75 75 75	75 75 75 75			+	$+\Box$	\Box			+	\vdash
(B5	5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection 5.5) Demoition of Existing Downramp	Work Zone 2C Work Zone 2D	119 -	-10 4	8 53	 	 		+++++						++++	 	 	+++++	 		+
(B5	i.6) Roadworks, Drainage & Utilities	Work Zone 2D	117	-10 6	0 61	11111			 			 			 	 	 	 	 		\vdash
(B5	i.7) Pavement	Work Zone 2D	118 -	-10 6	2 62																\blacksquare
(B6	Modification of At-grade Roads	Works Area 2		.	.				 						++++					++++	┺
(86	i.1) Roadworks, Drainage & Utilities	Works Area 2 Works Area 2	117 29	83 -10 2	9 29				/3 /3 74						 						+
	Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange	Works Artist 2	110 12		* ** 				1 1 1 1 1 1 1						 					$\overline{}$	+
Wo	orks Area 3																				\blacksquare
	Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works Utilities Protection and Diversion Works	Works Area 3	119 -	-10	: I : I — — —										+					+++++	+
(C2	t) Utilities Protection and Diversion Works I) Retaining Structures for At-grade Roadworks	Works Area 3 Work Zone 3A	119 -	-10 2	2 2										 	+++++		+++++		++++	+
(C4	i) Slopeworks	Work Zone 3B	120 -	-10 2	7 41										+						+
(CS	i) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3C	120 -	-10 1	1 12																\blacksquare
(C6	i) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185) 7) Roadworks, Drainage & Utilities	Work Zone 3D Works Area 3	120 -	-10	1 12										+						+
(C)	7) Koadworks, Dramage & Utilities 8) Pavement	Works Area 3 Works Area 3	117 -	-10 4	8 48															-	+
(D)	Work Zone between Kwai Tsing Interchange and Container Port Road		1	" "																	工
Wo	rks Area 4		11	_	. 🖂 🗰	$+\Box$									+	\perp				+	₽
(D1	Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works Utilities Protection and Diversion Works	Works Area 4 Works Area 4	119 -	-10 1	3 13	++++			+++++						++++	 	 	 	++++++	++++	+
(D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -	-10 1	5 27																\perp
(D4	1) Slanowerks	Work Zone 4B	120 -	-10 2	8 39																\blacksquare
(DS	5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp 5.1) Sike Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	1	-10 1		 			+ + + + + + + + + + + + + + + + + + + 						+	 	 	 	 	+++++	+
(De	.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market .2) Piling Works	PW-4A	118	-10 1	4 20	 			, , , , , , , , , , , , , , , , , , , 								 		, , , , , , , , , , , , , , , , , , , 	-+++	+
(D5	i.3) Pile Caps and Piers	PW-4A	120 -	-10 1	6 22																\perp
(D5	i.4) Bridge Deck to widen Ramp F i.5) Demolition of Existing Downramp (Part 1)	Work Zone 4D	119 -	-10 2	3 27										\perp		+	+		++++	47
(05	i.5) Demoition of Existing Downramp (Part 1) i.6) Construction of New Downramp	Work Zone 4E Work Zone 4F	119 -	-10 2	30	+++++			+++++						+++	+++++	 	+++++++	 	++++	+
(D5	i.7) Demolition of Existing Downramp (Part 2)	Work Zone 4G	119	-10 3	4 36	11111	 		 			 			1 1 1 1	1111	 	 	 	++++	+
(D5	i.8) Roadworks, Drainage & Utilities	Work Zone 4H	117 -	-10 3	7 38																\blacksquare
(D5	i.9) Pavement i) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)	Work Zone 4H	118 -	-10 3	9 39				++++				-		+		++++	 		$++++\mp$	┯
(06	i) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)	PW-4	118	-10 4	n 46	 			 						 	 	 	 	 		+
(D6	i.2) Pile Caps and Piers	PW-4	120 -	-10 4	7 53															$\overline{}$	
(D6	i.3) Bridge Deck	Work Zone 4I	119 -	-10 5	4 59																ᆂ
	i.4) Roadworks, Drainage & Utilities	Work Zone 4I Work Zone 4I	117 -	-10 6	0 61	 			 						+++		 		 	++++	+
(E)	Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Address To		"" °	~ ** 	 			, , , , , , , , , , , , , , , , , , , 						+ + + +	 	 	 	 	$\overline{}$	+
(E)	Work Zone along Widened Tsuen Wan Road for Relocation of Central Median																				\blacksquare
) Dismantling Existing Parapet and Installation of New Profile Barrier () Roadworks	Work Zone 5A Works Area 5	121 39	84 -10 6	3 69	 			+ + + + + + + + + + + + + + + + + + + 				-	74 74 74 7	4 74 74 74	. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	 	 	 	++++	+
	() Pavement	Works Area 5 Works Area 5	118 39	80 -10 7	2 2 1	 			, , , , , , , , , , , , , , , , , , , 							× 1 ~ 71	 	 	 	-+++	+
(F)	Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road		1	" " '														<u> </u>			工
Wo	orks Area 6																				\vdash
(F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works) Utilities Protection and Diversion Works	Works Area 6 Works Area 6	119 -	-10 6	1 61	+++++	 		+++++			+++++	++++	-++++++++++++++++++++++++++++++++++++	+++	 	 	 	 	++++	+
(F3	Construction of Bridge Structure for Slip Road C		119	-10 6	* ° 	 	 		, , , , , , , , , , , , , , , , , , , 						 	 	 	 	 		+
(F3	.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 6A	90 -	-10 6	3 63																\blacksquare
(F3	.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6B	117 -	-10 6	3 63								-		+		+++			$++++\mp$	┯
(F3	.3) Piling Works .4) Pile Caps ad Piers	Piling Work Area 6 Piling Work Area 6	118 -	-10 6	83	 	 		+++++						+++	 	 	+++++	+++++	++++	+
	.5) Bridge Deck	Works Area 6	119	-10 8	7 99	 			, , , , , , , , , , , , , , , , , , , 						+ + + +	 	 	 	 		\vdash
(F3	L6) Retaining Structures for At-grade Roads	Work Zone 6C	120 -	-10 7	3 78																二
(F3	L7) Slopeworks L8) Erection of Noise Barriers Frame and Panels	Work Zone 6D Work Zone 6B	120 -	-10 7	9 84	+	 		+++++						+	+	+	 		++++	+
(F3	.8) Erection of Noise Barriers Frame and Panels .9) Roadworks, Drainage & Utitities	Work Zone 6B Works Area 6	118 -	-10 10	105	+++++			+++++						+++	++++	 	+++++++	 	++++	+
(F3	10) Pavement	Works Area 6	118 -	-10 10	108 108	11111			 						 	 	 	 	 		+
ľ																					1
1_		Overall Noise	1			 			 		 		7 7 7 7 7 7	76 76 69 74 73 74 74 74 74 74			++++		 	++++	+
_		Overall Noise	- caver, ced (stimin	y, wastel		\perp			10 10 13 15 18	11 11 11 11 19	10 10 10 10 18 18	10 10 10 15 15 11	11 10 10 16 16	10 10 22 19 13 19 19 14 14 1	1010101	~1~171					_
ith le	ength to width ratio exceeding 5 : 1 is divided into Subareas.																				
	completely out of 300m assessment area from the NSR is not considered in the as	sessment.																			
	cade Correction. ound pressure levels (SPL), the PMEs are assumed to be placed at the notional s																				

	Construction Activity A) Work Zone at Tai Chung Road Interchange	No.	SWL (m) SPL	 Screening N 	nontri i sforth 1 2 3	4 5 6 7	8 9 10 11 12	13 14 15 16 17	1 18 19 20 21 22 23	1 24 1 25 1 26 1 27 1 28 29				50 51 52 53 54 55 56								
														-			-		-			-
	Yorks Area 1																					
	A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works 42) Utilities Protection and Diversion Works	Works Area 1 Works Area 1	119 28 88	15	25 25		+++++	++++		85			-	+			++++	+++++	+	-	+++	+++
e e	A3) Construction of Bridge Structure for Slip Road E		119 20 00	°	20 120 1	 		 		1 1 80												+
(A	A3.1) Piling Works	PW-1	118 27 84	14	27 36		\Box			84 84 84	84 84 84 84 84 84 84	4									$\overline{}$	\perp
	A3.2) Pile Caps and Piers A3.3) Bridge Deck	PW-1 Work Zone 1A	120 27 87	17	29 38 39 48	 		 		87	87 87 87 87 87 87 87 87	7 67 87 85 85 85 85 85 85 85 85 85 85 85 85 85	85 85 85 85 85									
(A	43.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A	119 28 88	15	49 54								85	85 85 85 85 85								
	33.5) Roadworks, Drainage & Utilities 33.6) Pavement	Works Area 1 Works Area 1	117 28 80	13	55 56		+++++	++++					-	83 83			++++	+++++	+	+	+++	+++
ê	14) Improvement at Hoi Hing Road / Hoi On Road Junction		110 20 0	-	5/ 5/	 		 							' 							+
(A	44.1) Roadworks, Drainage & Utilities	Works Area 1	117 28 83	13	58 59		\Box								83 83						$\overline{}$	$\overline{}$
(A	N4.2) Pavement 3) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	Works Area 1	118 28 84	4	60 60	 		- - - - - - - - - - 							84							+++
W	forks Area 2																					
(F	31) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works 32) Utilities Protection and Diversion Works	Works Area 2	119 150 71	11	25 25					71											$\overline{}$	$\overline{}$
(6	sz) Utilities Protection and Diversion Works 33) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	Works Area 2	119 150 /0	0	26 26	 				1 12											-	
(B	33.1) Piling Works	PW-2	118 248 66	15	27 47					65 65 65	65 65 65 65 65 65	65 65 65 65 65 65 65	65 65 65 65									
(P	33.2) Pile Caps and Piers 33.3) Bridge Deck	PW-2 Works Area 2	120 248 67	7	29 49		+++++	+++		67	67 67 67 67 67 67 67	7 67 67 67 67 67 67 67 67	67 67 67 67 67 67		. .		++++	\cdots	++++++		-+++	+++
(B	33.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -	°	51 59	 	+ + + + + + + + + + + + + + + + + + + 	- 				 		20 10 10 10 10 10 10	· ~	 		 			-	+
(B	33.5) Roadworks Drainage & Utilities	Works Area 2	117 150 68	8	60 61							5 65 65 65 65 65 65 65 65 7 67 67 67 67 67 67 67 67 67			68 68						$\overline{}$	
(B	33.6) Pavement 34) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure	Works Area 2	118 150 70	9	62 62	 	 	- - - - - - - - - - 							70							+++
(B	34.1) Piling Works	PW-2-NMM	118 248 66	15	27 50					65 65 65	65 65 65 65 65 65	5 65 65 65 65 65 65	65 65 65 65 65	65								
(P	34.2) Pile Caps and Piers 34.3) Erection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	120 248 67	7	29 52		$+\Box$	+	\Box	67	67 67 67 67 67 67 67	5 85 85 85 85 85 85 85 7 87 87 87 87 87 87 87 87 87 87 87 87 8	67 67 67 67 67 67	67 67 67		+	$+$ \Box \Box \Box		$+\Box$	\perp	$\perp TTT$	+
(B	34.3) Erection of Noise Barrier Frame and Panels 35) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI		118 2/0 68	°	53 62	 	 	 	 	 	 	 	 	85 85 85 65	5 50 50 50 50 50	 		 	 			+++
(B	35.1) Piling Works	PW-2A	118 -		27 33																\rightarrow	\rightarrow
(B	35.2) Pile Caps and Piers 35.3) Bridge Deck	PW-2A Works Area 2	120 -	,	29 35 36 47	+++	 	++++	 	 	20	0 70 70 70 70 70 70 70	20 20 20 20		+++++	 		++++	 		+++	+++
(B	35.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2C	119 -	*	48 53																	
(B	35.5) Demolition of Existing Downramp	Work Zone 2D	119 -		54 59																$\rightarrow \rightarrow$	\bot
(B	35.6) Roadworks, Drainage & Utilities 35.7) Payement	Work Zone 2D Work Zone 2D	117 -		60 61											+++++					-	++++
(B	36) Modification of At-grade Roads		1.00		" " 			 													-	+
(F	36.1) Roadworks, Drainage & Utilities 36.2) Payement	Works Area 2 Works Area 2	117 150 68	18	27 28		\cdots	\perp		68 68								$\overline{}$			$\overline{}$	$\rightarrow \rightarrow \rightarrow$
	36.2) Pavement C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange	Works Area 2	118 150 70	9	29 29	$\overline{}$				70						+++++					+++	+++
w	forks Area 3																					
(0	C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works C2) Utilities Protection and Diversion Works	Works Area 3 Works Area 3	119 -		1 1	\cdots	\cdots															+++
	22) Utilities Protection and Diversion Works 23) Retaining Structures for At-grade Roadworks	Work Zone 3A	119 -		3 26	 		- 														
ic	C4) Slopeworks	Work Zone 38	120 -		27 41																	
	CS) Modification of Kwai Hei Street Underpass (HyD Structure No. N521) DS) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185)	Work Zone 3C Work Zone 3D	120 -		1 12	-	$\overline{}$															
	26) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185) C7) Roadworks, Drainage & Utilities	Work Zone 3D Works Area 3	117 -		1 12 46 47	 	+++++								+ + + + + + + + + + + + + + + + + + + 	+ + + + + + + + + + + + + + + + + + + 	++++		+ 		+++	+++
(C	28) Pavement	Works Area 3	118 -		48 48																	
	D) Work Zone between Kwai Tsing Interchange and Container Port Road					$\overline{}$		++++		+						+++++					+++	+++
(D	D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 4	119 -		13 13																	
(0	02) Utilities Protection and Diversion Works 03) Retaining Structures for At-grade Roadworks	Works Area 4 Work Zone 4A	119 -		14 14	-	$\overline{}$															
'n	M) Sloneworks	Work Zone 4B	120 -		28 39	 									+ + + + + + + + + + + + + + + + + + + 	+ + + + + + + + + + + + + + + + + + + 			+ 		+++	+++
(D	D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp																					
(D	05.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market 05.2) Piling Works	Work Zone 4C PW-4A	119 -		13 13	$\overline{}$		++++				+++++				+++++					+++	+++
ip	05.3) Pile Caps and Piers	PW-4A	120 -		16 22																	
(0	05.4) Bridge Deck to widen Ramp F 05.5) Demolition of Existing Downramo (Part 1)	Work Zone 4D Work Zone 4F	119 -		23 27		$\overline{}$															
	25.5) Demoition of Existing Downramp (Part 1) 25.6) Construction of New Downramp	Work Zone 4E Work Zone 4F	119 -		28 30	 		- - - - - - - - - - 								++++						+++
(F	05.7) Demolition of Existing Downramp (Part 2)	Work Zone 4G	119 -		34 36																علك	
(D	DS.8) Roadworks, Drainage & Utilities DS.9) Payement	Work Zone 4H Work Zone 4H	117 -		37 38	$\overline{}$	+++++	+													+++	++++
(D	06) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)		118 -		39	 	 	+++	 	 	 	 	 		 	 		 	 			+++
(D	06.1) Piling Works	PW-4	118 -		40 46		$\overline{}$														$\rightarrow \rightarrow$	\bot
(D	06.2) Pile Caps and Piers 06.3) Bridge Deck	PW-4 Work Zone 4I	120 -		4/ 53 54 59		 	++++	 	 		++++++	 		+ + + + + + + +	 		 	 			+++
(D	06.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -		60 61																	
(0	06.5) Pavement E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 -		62 62	\Box	$+\Box$	+	+													
(E	E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median					 	 	+++	 	 	 		 		 	 		 	 			+++
(F	E1) Dismantling Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 180 70	0	63 69		$\overline{}$								70 7	0 70 70 70 70 70					$\rightarrow \rightarrow$	$\rightarrow \rightarrow \rightarrow$
(E	E2) Roadworks E3) Pavement	Works Area 5 Works Area 5	117 172 67	8	70 71 72 72		 	++++	 	 		+++++	 		+ + + + + + + +	67	68	 	 			+++
(F	F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	**************************************																				
w	Jorks Area 6		1				\Box	\perp														
(E	F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works 2) Utilities Protection and Diversion Works	Works Area 6 Works Area 6	119 -		62 62	 	 		 	 	 		 		 	, , , , , , , , , , , , , , , , , , , 		 	 			+++
(E	F3) Construction of Bridge Structure for Slip Road C		1																		$\rightarrow \rightarrow$	
(F	53.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6A Work Zone 6B	90 -		63 63	++	++++	+++	++++	++++	+++++	++++	++++	 	+++++	++++	+++	++++	+++++-	$\overline{}$	+++	+++
(F	F3.3) Pling Works	Piling Work Area 6	118 -		64 83											<u> </u>						
(F	F3.4) Pile Caps ad Piers	Piling Work Area 6	120 -		66 86																\rightarrow	$\rightarrow \rightarrow$
(F	F3.5) Bridge Deck F3.6) Retaining Structures for At-grade Roads	Works Area 6 Work Zone 6C	119 -		87 99 9	+++	+++++		 									++++	++++		+++	+++
(E	F3.7) Slopeworks	Work Zone 6D	120 -		79 84											<u> </u>						
(F	F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 -	1 1	100 105																\rightarrow	\rightarrow
(F	F3.9) Roadworks, Drainage & Utitities F3.10) Pavement	Works Area 6 Works Area 6	117 -	1 1:	106 107	+++	+++++	++++	+++++	+++++		+++++			+++++	 	++++	++++	 		++++	+++
(0)		**************************************	1																			
							$\Box\Box\Box$	$\perp \top \top \top$													-	$\bot \Box \Box$
		Overall No	use Level, Leq (30min), dB	(A)			$\overline{}$			86 85 84 84 89	S3 S9 89 89 89 89 85	9 87 87 85 85 85 85 85	85 85 85 85 85 85	න හ 85 85 85 83 83	4 83 83 84 70 71 70 7	0 70 70 70 70 70 70 67	6/ 68					
ea with	length to width ratio exceeding 5 : 1 is divided into Subareas.																					
vhich are	completely out of 300m assessment area from the NSR is not considered in the a	issessment.																				
	açade Correction.																					
	sound pressure levels (SPL), the PMFs are assumed to be placed at the notional s																					

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR: OPI1- Ozear Field Town 10

Scenario: Unmitigated Very 10

Representative Floor: 1/F Floor mPD: 30 m

				1 1								c-> w a w a c								
E	Construction Activity	Zone	Dist*1	Building S	art End July Peo Mar A	F May Jun Jul Aug Sep Oct	11 12 12 14	15 16 17 19	19 20 21 22 23 24	301 Peo Mar Apr May 301 31	22 22 24 25 26 27	70 30 40 41 42 43 44	E 46 47 49 49 50 51 51	10 54 55 56 57 50 50 60 61	Pet Mar Apr May Jun Jun Aug Sep C	0 74 79 79 74 75 76 77 77	9 70 90 91 92 93 94 95	Feb Mar Apr May Jun Jul Aug Sep Oct 86 87 88 89 90 91 92 93 94	95 96 97 99 99	Apr May Jun Jun Aug
0	A) Work Zone at Tai Chung Road Interchange	190.	Unit (iii)	OCHERING INC		13 0 7 0 3 10														
v	Norks Area 1	Works Area 1	.	.	.		-	$\overline{}$	-										$\pm \pm $	\rightarrow
	A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works A2) Utilities Protection and Diversion Works	Works Area 1	119 200 6	8 1	6 26		- - - - - - - - - - 			68									++++	
0	A3) Construction of Bridge Structure for Slip Road E		.	- I .																
	A3.1) Piling Works A3.2) Pile Caps and Piers	PW-1 PW-1	118 190 6	57	7 36		-	-	+	67 67 67 67 6	7 67 67 67 67 67								++++	-
i	A3.3) Bridge Deck	Work Zone 1A	119 199 6	88	9 48					70 70 7	70 70 70 70 70 70	68 68 68 68 68 68	8 68 68 68						+	
(4	A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A	119 199 6	88 4	9 54		-	$\overline{}$	$\overline{}$				68 68 68 68	8 68					$\pm \pm $	$\overline{}$
	A3.5) Roadworks, Drainage & Utilities A3.6) Pavement	Works Area 1 Works Area 1	117 200 6	35	7 57		- - - - - - - - - - 							65 65					++++	
(A	A4) Improvement at Hoi Hing Road / Hoi On Road Junction		.	.										67						
	A4.1) Roadworks, Drainage & Utilities A4.2) Payement	Works Area 1 Works Area 1	117 200 6	96 5	8 59		-	-	+	+				66 66					++++	-
a	B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	WORG AND I	118 200 6	" _ "	" " 🔲 🗆									67						
Ý	Norks Area 2																		\perp	
	B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works B2) Utilities Protection and Diversion Works	Works Area 2 Works Area 2	119 35 8	34 3	5 25		-	-	+	84	+								++++	
(I	B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park		1.13	~ '																
(1	B3.1) Piling Works B3.2) Pile Caps and Piers	PW-2 PW-2	118 43 8	30 2	7 47					80 80 80 80 8	80 80 80 80 80 80	80 80 80 80 80 80 80	0 80 80						\perp	
à	B3.3) Bridge Deck	Works Area 2	119 35 8	83 8	0 58		-			83 83 8	3 83 83 83 83 83 83	8 8 8 8 8 8 8	83 83 83 83	83 83 83 83 83	 	++++	+ + + + + + + +		++++	
(1	B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -		1 59															
(1	B3.5) Roadworks, Drainage & Utilities B3.6) Payement	Works Area 2 Works Area 2	117 35 8	31 6	0 61	+	-	-	-	+				81 81	00				++++	
a	B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure		.	- I '								<u> </u>			82					
(1	B4.1) Piling Works B4.2) Pile Caos and Piers	PW-2-NMM PW-2-NMM	118 35 8	2 2	7 50	+		$-\Box$	+	82 82 82 82 8	82 82 82 82 82 82	82 82 82 82 82 82 82	2 82 82 82 82 82	 			++++++		$+\Pi\Pi$	
0	R4 3) Frection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	120 35 8 118 64 7	77	3 62	 		- 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0 0 0 0 0 0 0 0 0 0 0	9 85 85 85 85 85 85	7 7 7 7 7 7 7 7 7 7	171 1 1 1 1	 	 			
(1	B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KInB) to TTI		1 1 1																\bot	\rightarrow
	B5.1) Piling Works B5.2) Pile Caps and Piers	PW-2A PW-2A	118 -	1 1:	7 33 9 35	++++	++-	$-\Box$	+++	 	++++	+++++	+++++	+++++	 	+++++	+++++		+++	+++
ò	B5.3) Bridge Deck	Works Area 2	119 35 8	13	6 47						83 83	83 83 83 83 83 83 83	3 83 83				, , , , , , , , , , , , , , , , , , , 			
(1	B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2C	119 -	1 14	8 53														+	
6	B5.5) Demolition of Existing Downramp B5.6) Roadworks, Drainage & Utilities	Work Zone 2D Work Zone 2D	119 -		0 61		- 	- 								 	 		++++	
(8	B5.7) Pavement	Work Zone 2D	118 -		2 62				-											
	B6) Modification of At-grade Roads B6.1) Roadworks, Drainage & Utilities	Works Area 2	.	.															+	
	B6.1) Roadworks, Drainage & Utilities B6.2) Pavement	Works Area 2	117 35 8	1 2	9 29			- 		81 81 82							+ + + + + + + + + + + + + + + + + + + 		++++	
(4	C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange		.	- '																
V	Norks Area 3 C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	440		. I . I I I I I		++++	-	+++++	+++++							+++++		++++	-+++
0	C1) Site Clearance / Set-up / Plant Modelization / Tree Peaning and Transplanting Works C2) Utilities Protection and Diversion Works	Works Area 3	119 -		2 2		- 	-												-
	C3) Retaining Structures for At-grade Roadworks	Work Zone 3A	120 -		3 26															
(0	C4) Slopeworks C5) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3B Work Zone 3C	120 -	1 1 2	7 41	+	-	-	+	+++++							+++++		++++	
6	C6) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185)	Work Zone 3D	120 -		1 12														+	-
(0	C7) Roadworks, Drainage & Utilities	Works Area 3	117 -	1 1 1	6 47			-											+	
0	C3) Pavement D) Work Zone between Kwai Tsing Interchange and Container Port Road	Works Area 3	110	1 1	°I * 		- 	- 	- 											
	Norks Area 4																		\pm	
100	D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works D2) Utilities Protection and Diversion Works	Works Area 4 Works Area 4	119 -		3 13 1		- 	- 								 	 		++++	
ò	D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -		5 27															
0	D4) Slopeworks D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp	Work Zone 4B	120 -	1 2	8 39			-											+	
0	DS) Construction of Bridge Structure for I suen Wan Road (TMB) Upramp DS.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 -		3 13			- 											++++	
0	D5.2) Piling Works	PW-4A	118 -	;	4 20															
(1	DS.3) Pile Caps and Piers DS.4) Bridge Deck to widen Ramp F	PW-4A Work Zone 4D	120 -		6 22		-	-												-++-
6	D5.4) Bridge Deck to widen Kamp P D5.5) Demolition of Existing Downramp (Part 1)	Work Zone 4E	119 -		8 30		 	- 											+++	
(1	D5.6) Construction of New Downramp	Work Zone 4F	119 -	1	1 33															
0	DS.7) Demolition of Existing Downramp (Part 2) DS.8) Roadworks, Drainage & Utilities	Work Zone 4G Work Zone 4H	119 -		4 36 7 39		-	-		+++++							+++++		++++	
i	DS 9) Payement	Work Zone 4H	118 -		9 39														+	
ò	D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB) D6.1) Piling Works	PW-4	440			+	$-\Box$	$-\Box$	$+$ Π Π Π										$+\Pi\Pi$	
	D6.1) Piling Works D6.2) Pile Caps and Piers	PW-4	118 -	1 13	7 53	 		- 			 	 	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,,,,	 			.
i	D6.3) Bridge Deck	Work Zone 4I	119 -		4 59															
0	D6.4) Roadworks, Drainage & Utilities D6.5) Pavement	Work Zone 4I Work Zone 4I	117 -		0 61	 	-	- 			 	 	+++++	 	 	+++++++++	+ + + + + + + + +		+++	
Ò	E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	THE LAND A		1 1	~ * 									 			, , , , , , , , , , , , , , , , , , , 			
ä	E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median		1	_ _	.														\bot	
	E1) Dismantling Existing Parapet and Installation of New Profile Barrier E2) Roadworks	Work Zone 5A Works Area 5	121 34 8 117 27 8	8 9	0 71	 	- 	- 	- 		 	 	+ + + + + + + + + + + + + + + + + + + 	++++++++	85 85 85 85 85 85	3 83 1	+ + + + + + + + +			_+++
ò	E3) Pavement	Works Area 5	118 27 8	15	2 72									 		85				
(1	F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road Norks Area 6					+		$-\Box$	+		\Box								$+\Pi\Pi$	
	Norks Area 6 F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 -	- L	1 61	 		- 			 	 			 	 	+ + + + + + + + +		++++	
ia	F2) Utilities Protection and Diversion Works	Works Area 6	119 -	1 18	2 62														$\rightarrow \rightarrow \rightarrow$	
	FS) Construction of Bridge Structure for Slip Road C F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 6A	90 .		3 63	 	+++	-			 		+++++	++++++		+++++	++++++		+++	+++
0	F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6B	117	1 18	3 63	 		- 	 		 	 	, , , , , , , , , , , , , , , , , , , 	 	 	, , , , , , , , , , , , , , , , , , , 	 			
(1	F3.3) Piling Works	Piling Work Area 6	118 -		4 83		\Box	\rightarrow											\bot	
	F3.4) Pile Caps ad Piers F3.5) Bridge Deck	Piling Work Area 6 Works Area 6	120 -	1 1:	7 99	 		- 			 	 	+ + + + + + + + + + + + + + + + + + + 	++++++++	 	++++++	+ + + + + + + +		++++	
ò	F3.6) Retaining Structures for At-grade Roads	Work Zone 6C	120 -		3 78							+ ++	 ++	 +	 ++					
a	F3.7) Slopeworks	Work Zone 6D	120 -		9 84		\Box	\rightarrow											\bot	$\rightarrow \downarrow \downarrow \downarrow$
0	F3.8) Erection of Noise Barriers Frame and Panels F3.9) Roadworks, Drainage & Utilities	Work Zone 6B Works Area 6	118 -		00 105 16 107	 	++++												++++	
0	F3.10) Pavement	Works Area 6	118 -		108 108							 ++	 ++	 +_+	 ++					
ľ																			\bot	
		Openedii Ma	nise Level Len (30min) 40	3/A)		 		- 		84 83 86 86 90 90 9	9 89 89 89 89 80	9 9 9 9 9 9	0 90 90 88 88 87 97 97	84 84 84 84 84 84 70 00 00	83 85 85 85 85 85 85 85	3 83 85			+++	_+++
		C-Petrali No		***							20 00 00 20 20									
	length to width ratio exceeding 5 : 1 is divided into Subareas.																			
vhich are	completely out of 300m assessment area from the NSR is not considered in the a	ssessment.																		
dB(A) F	acade Correction. sound pressure levels (SPL), the PMEs are assumed to be placed at the notional is																			

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR: CP1-City Peint Black 1

Scenario: Unmitigated V

Representative Floor: UF Floor mFD: 27 m

	Construction Activity	Zone	Dist ^[2]	Building Start	End Jan Feb Mar Apr May	Jun Jul Aug Sep Oct Nov Dec Jan Feb N	ar Apr May Jun Jul Aug Sep Oct Nov Der	c Jan Feb Mar Apr May Jun	Jul Aug Sep Oct Nov Dec Ja	an Heb Mar Apr May Jun Jul Aug Sep	oct Nov Dec Jan Feb Mar Apr Ma	Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar	Apr May Jun Jul Aug Sep Oct	Nov Dec Jan Feb Mar Apr N	Tay Jun Jul Aug Sep Oct Nov De	c Jan Feb Mar Apr May Jun Ju	Aug Sep Oct Nov Dec Jr	n Feb Mar Apr May Jun Jul	Jul Aug 9
(A)	A) Work Zone at Tai Chung Road Interchange	NO.	SWL (m) C-1	Screening Monen	MONIN 1 2 3 4 5	6 7 8 9 10 11 12 13 14	5 16 17 18 19 20 21 22 23 24	2 2 2 2 2 3	31 12 33 34 33 36 3	37 38 39 40 41 42 43 44 45	46 47 46 49 50 51 52 53	S4 55 56 57 58 59 60 61 62 63	54 65 66 67 68 69 70	71 12 73 74 75 76	77 78 79 80 81 82 83 84	85 86 87 88 89 90 9	92 93 94 90 96 9	98 99 100 101 102 103	103 104 1
	Vorks Area 1 A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	440														$\overline{}$	$\overline{+}$	=
	A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works A2) Utilities Protection and Diversion Works	Works Area 1	119 -	25 26	25 26							 						+++++	+
(A	A3) Construction of Bridge Structure for Slip Road E			"															ᆂ
	A3.1) Piling Works A3.2) Pile Caps and Piers	PW-1 PW-1	118 -	27	36		+++++++++	 							 	 	+++++	+++++	+
ίA	A3.3) Bridge Deck	Work Zone 1A	119 -	39	48														=
	A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection A3.5) Roadworks, Drainage & Utilities	Work Zone 1A Works Area 1	119 -	49	54												++++		-
(A)	A2 61 Programmed	Works Area 1	117 -	55	56 57											 		++++	+
(A	A4) Improvement at Hoi Hing Road / Hoi On Road Junction																		ᆂ
	A4.1) Roadworks, Drainage & Utilities A4.2) Payement	Works Area 1 Works Area 1	117 -	58	59			+++++											-
(B)	B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	WORLD PARKET		"	~ — —		 												=
W	Vorks Area 2																		
/0	B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works B2) Utilities Protection and Diversion Works	Works Area 2 Works Area 2	119 29 85 119 29 85	25	25 26			85 85											-
(B:	B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park			"															
(B	B3.1) Piling Works B3.2) Pile Caps and Piers	PW-2 PW-2	118 38 81	27	47			81 81 81 81	81 81 81 81 81 81 8	81 81 81 81 81 81 81 81 81	81 81					+	$\overline{}$	+++++	=
(B	B3.3) Bridge Deck	Works Area 2	119 29 85	50	58			1 1 1 1 1 1 1 1 1 1		* * * * * * * * *									-
(B	B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 211 67	51	59						67 67 67	67 67 67 67 67 67 83 83					\Box		=
(B	B3.5) Roadworks, Drainage & Utilities B3.6) Pavement	Works Area 2 Works Area 2	117 29 83	60	61				-	+		83 83	-		+		++++	+++++	+
(B	B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure		110 23 04	"	-						 						+		\pm
(B	B4.1) Piling Works	PW-2-NMM PW-2-NMM	118 23 86	27	50			86 86 86 86	86 86 86 86 86 8	86 86 86 86 86 86 86 86	86 86 86 86 86							+	\blacksquare
(B	B4.2) Pile Caps and Piers B4.3) Erection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	120 23 88 118 32 83	29 53	62		 			** ** ** ** ** ** ** **	00 00 00 00 00 00 00 00 00	83 83 83 83 83 83 83 83		 	 	 	+++++	++++	+
(B	B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI		1 1 1 -	1 1 1															\blacksquare
(Bi	B5.1) Piling Works B5.2) Pile Caos and Piers	PW-2A PW-2A	118 71 76	27	33 25	 	++++++	76 76 76 76	76 76 76 70 70 70		+++++++++++++++++++++++++++++++++++++	 	++++	++++	 	++++	$++++\mp$	++++	+
(B	B5.3) Bridge Deck	Works Area 2	119 29 85	36	47			18 78	85 8	85 85 85 85 85 85 85 85	85 85								_
(B	B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2C	119 71 77	48	53						77 77 77 77 77 77	69 69 69 69 69 69					+	\bot	丰
	BS.5) Demolition of Existing Downramp BS.6) Roadworks, Drainage & Utilities	Work Zone 2D Work Zone 2D	119 164 69 117 164 68	54	59			+++++				69 69 69 69 69 69				+++++	++++++	+++++	+
(B	B5.7) Pavement	Work Zone 2D	118 164 69	62	62							69					+		\pm
(B	B6) Modification of At-grade Roads		111	1 1													+	+	一口
(B	96.1) Roadworks, Drainage & Utilities 96.2) Pavement	Works Area 2 Works Area 2	117 29 83 118 29 84	27 29	28 29		+++++++++++++++++++++++++++++++++++++	83 83 84				 		 	 	 	++++	++++	+
(C	C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange		- - -	"			<u> </u>	<u> </u>							<u> </u>				丑
w	Vorks Area 3 C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	140	1 1.1				\Box								++++++++++++++++++++++++++++++++++++	+	+	一口
(C	C2) Utilities Protection and Diversion Works	Works Area 3	119 -	1 2	2			 				 		 	 	 	+++++	++++	+
(C	C3) Retaining Structures for At-grade Roadworks	Work Zone 3A	120 - 120 -	3	26													$\overline{}$	\blacksquare
(C	C4) Slopeworks C5) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3B Work Zone 3C	120 -	27	41	 	++++++	 	 					$\overline{++++}$	 	++++		++++	一
(0	C6) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185)	Work Zone 3D	120 -	1 11	12							 			 			+++++	\pm
(C	C7) Roadworks, Drainage & Utilities	Works Area 3	117 -	46	47													$\overline{}$	=
(C	C8) Pavement D) Work Zone between Kwai Tsing Interchange and Container Port Road	Works Area 3	118 -	48	48		+++++++++	 	 			 		 	 	 	++++++	+++++	+
W	Vorks Area 4					<u> </u>									<u> </u>				土
(D	D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 4	119 -	13	13												\bot	++++	一
(D:	D2) Utilities Protection and Diversion Works D3) Retaining Structures for At-grade Roadworks	Works Area 4 Work Zone 4A	119 -	14	27		+++++++++++++++++++++++++++++++++++++	 				 		 	 	 	++++	++++	+
(D	D4) Sloneworks	Work Zone 4B	120 -	28	39														=
(D	DS) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp DS.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	110	40	.,	 	++++++	++++	 		 	 		$\overline{}$	 	++++	+++++-	+++++	\dashv
(Di	DS.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market DS.2) Piling Works	Work Zone 4C PW-4A	118 -	13	20			 				 		 	 	 	+++++	++++	+
(D	D5.3) Pile Caps and Piers	PW-4A	120 -	16	22														二
(Di	D5.4) Bridge Deck to widen Ramp F D5.5) Demolition of Existing Downramp (Part 1)	Work Zone 4D Work Zone 4E	119 -	23	27	++++++++	++++++++	 				 		++++++++++++++++++++++++++++++++++++	 	 	+++++	+++++	+
(D	D5.6) Construction of New Downramp	Work Zone 4F	119 -	31	33			 				 		 	 	 	++++	++++	+
(D	DS.7) Demolition of Existing Downramp (Part 2)	Work Zone 4G	119 -	34	36				$\overline{}$								\bot	\bot	丰
(Di	DS.8) Roadworks, Drainage & Utilities DS.9) Pavement	Work Zone 4H Work Zone 4H	117 -	37	38	 	+++++	+++++	++++		++++++++	 		+++++	 	+++++	+++++	+++++	-
(D	D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)		110	39	- 														ᆂ
(D	D6.1) Piling Works	PW-4	118 -	40	46												$\overline{}$	+++++	丰
(D	D6.2) Pile Caps and Piers D6.3) Bridge Deck	PW-4 Work Zone 4I	120 -	47 E4	53		+++++++++	 				 		 	 	 	+++++	+++++	+
(D	D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -	60	61														\pm
(D	D6.5) Pavement E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 -	62	62			++++	++++					++++	 	++++	++++	++++	\dashv
(E)	E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median			1 1				 				 			 	 		+++++	+
(E	E1) Dismantling Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 34 85	63	69							85	85 85 85 85 85				$\overline{}$	+++++	丰
(E	E2) Roadworks E3) Payement	Works Area 5 Works Area 5	117 34 81	70	72			+++++					81	87	++++++	+++++	+++++	++++	+
(F)	F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	TOTAL PARK J	" " "	"	- 		<u> </u>								<u> </u>				ᆂ
W	Vorks Area 6	Works Area 6	11	1 1													+	+	\blacksquare
(F)	F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works F2) Utilities Protection and Diversion Works	Works Area 6 Works Area 6	119 -	61	62			 				 		 	 	 	++++	++++	+
(F	F3) Construction of Bridge Structure for Slip Road C			1 1 1													$\overline{}$	$\overline{}$	工
(F)	F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6A Work Zone 6B	90 -	63	63		+++++++++	 				 			 	 	+++++	+++++	+
(F)	F3.3) Piling Works	Piling Work Area 6	118 -	64	83		<u> </u>								<u> </u>				ᆂ
(F	F3.4) Pile Caps ad Piers	Piling Work Area 6	120 -	66	86												+	+	\blacksquare
(F)	F3.5) Bridge Deck F3.6) Retaining Structures for At-grade Roads	Works Area 6 Work Zone 6C	119 -	87	78			 						 	 	 	++++	++++	+
(F	F3.7) Slopeworks	Work Zone 6D	120 -	79	84														\pm
(F	F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 -	100	105												+	+	尹
(FI	F3.9) Roadworks, Drainage & Utitities F3.10) Pavement	Works Area 6 Works Area 6	117 -	106	107		+++++++++	 	 			 		 	 	 	++++	++++	+
1,5		TUM AND U	1.00	100											<u> </u>				ᆂ
		A	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					W W W W W W						N 00			+	+	工
		Overall Nois	se Level, Leq (30min), dB(A	91				oo හා හා හා 12 92	22 22 32 32 32 32 32 3	22 22 22 32 32 32 32 32 32 32	22 22 31 31 31 30 90 83	87 87 87 87 87 87 83 86 86 87 85	භ භ ත ත ත 85 81	01 63					
with le	length to width ratio exceeding 5 : 1 is divided into Subareas.																		
ch are	completely out of 300m assessment area from the NSR is not considered in the as	sessment.																	
(A) Fa	açade Correction.																		
	sound pressure levels (SPL), the PMEs are assumed to be placed at the notional so	ource position																	
n of s	hnical Memorandum on Noise from Construction Work other than Percussive Piling*																		

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmittigated Scenario)

NSR:

CPU-Oby Prior Block 8

Scenario:

Representative Floor: 1/F Floor mPD: 30.2 m

	as Fred Nur Sur Sur Sur Sur Sur Sur Sur Sur Sur S
All packs Zeros at fall Change Based Heavenburgh Which Area 1 19	9 5 5 5 5 7 6 5 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 7 8
Works Awa 1 15 25 25 25 25 25 25	
2 (A) Consequence of Description and Description (Fig. Road E) Consequence of Description (Fig. Road E) C	
ASS Commencent or Brings Newsort for Stage Newsort for Newso	
Column C	
CAST Display Decks	
ALS Reservation Change of Statistics	
Mail: Personer Mail	
Authorization Authorizatio	
8 (AL2) presented (Supplies Decided and Tyson Taking Interchange (Suppli	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
1 1 2 2 2 2 2 2 2 2	
1 (8) 30 Classification Theory Theory Model Statistics Theory The	
83) Construction of Bridgs Structures for Additional Lane above Tsuson Wan Purk 4 (83.1) Piling Piling Caps and Pires Pili 2 118 57 78 27 47 1 18 57 78 27 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 47 1 18 57 78 2 48 1 18 57 78 2 88 1 18 58 58 1 18 58 58 1 18 58 58 1 18 58 58 1 18 58 58 1 18 58 58 1 18 58 58 1 18 58 58 1 1	
4 (83.) Piling Works Ph. 2 18 57 78 9 27 47 4	
5 (83.) Pile Cape and Plane (Partie Cape and Partie Cape and Plane (Partie Cape and Partie Cape	
0 (6.3.1) pringle Uses (6.3.2) pringle Uses (7.3.2) (7	
	75 75 75 75 75 75 75 75 75 75 75 75 75 7
8	80 80
(B4) Construction of Cantilever Noise Barrier, Vertical Barrier Vertical Barrier (Vertical Barrier and Noise Semi-enclosure	
4 [84] Pilicy Words PIV-ANMM 150 33 65 27 55 1 1 1 1 1 1 1 1 1	
11 (B4.3) Erection of Noise Barrier Frame and Panels Work Zone 2B 118 40 81 53 62	81 81 81 81 81 81 81 81 81 81 81
(85) Construction of Ending Structure for New Downsamp from Taxon Wan Road (RMS) to T1 4. (85, 1) Plang May 1. (1) Plang Structure for New Downsamp from Taxon Wan Road (RMS) to T1 PN/JA 115 74 75 27 33	
5 (BS.2) Pie Caps and Piers PW.2A 120 74 78 29 35 78 78 78 78 78 78 78 78 78 78 78 78 78	
6 (65.5) Bedge Decks Work Area 2 19 41 52 50 47 55.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9 29 79 129 79
10 (BS.5) Demolition of Existing Downramp Work Zong 2D 119 82 75 54 59	75 75 75 75 75
7 (55) Roderioria, Dishippy & Uillifes (Win Zizer 20 117 82 74 60 61 8 65) Personnel (Win Zizer 20 118 82 75 62 8 65) Personnel (Win Zizer 20 118 82 8 65) Pers	74 77 75
(B6) Modification of Average Roads	
7 (84.) Rodenders, Drahage & Uilliès (Vois Avaz 2 118 44 81 29 20 1 8 48 1 81 29 20 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	
(C) Work Zone between Tsuen Tsing Interchange	
Winter Awa 3 1 (C1) Sile Classman or Tiske-up / Plant Mebilization / Tree Felling and Transplanting Works Works Awa 3 11 1 1	
2 CD Milline Protection and Obvision Works Works Awa 3 119 2 2 2 14 CD Relatine Speciation of Control of Contr	
3 (C4) Slopeworks Work Zone 3B 120 27 41	
12 (CS) Modification of Kwail Hei Street Underpass (HyO Structure No. NS21) Work Zone 3C 120 - 1 12	
13 (CD) Modification of Keal Held Street Feetbridge (Hyl) Streetbridge	
8 CD Personant (Vision Annual Container Port Road Works Annual 3 118 4 48 49 49 49 49 49 49 49 49 49 49 49 49 49	
Works Area 4	
1 (01) Siles Claramon 7 Sees of Pf Tend Model/Station 1 Tree Filting and Transplanning Works Works Avea 4 (19) - 13 (1) (2) (White Previous and Obversion Works and Obversion Works Avea 4 (19) - 14 (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
14 (D3) Retaining Structures for At-grade Roadworks Work Zone 4A 120 - 15 27	
3 (0.4) Sippseervis. Work Zone-46 120 . 28 59 (0.5) Construction of things Structure for Taxon Wan Read (TMB) (lynamp	
1 (DS.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market Work Zone 4C 119 - 13 13	
4 (5.7) Pilog Works PW-44 115 - 14 20 5 5 (5.7) Pilot Captard Pilot PW-44 120 - 15 22	
6 (D5.4) Bridge Deck to widen Ramp F Work Zone 4D 119 - 23 27	
10 (5.5) Demoltion of Existing Demonatory (Part 1) Wox Zook ≪ 119 . 28 50	
10 (DS.7) Demolition of Existing Downsamp (Part 2) Work Zone 4G 119 34 36	
7 (5.5) Roadworks, Drainage & Utilities (Wo Zone 44 115 37 38 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
DIS Construction of Ending Structure for Additional Laws or Tourn Wan Road (TMB) 4 O. St. Fifther Wilder Structure for Additional Laws or Tourn Wan Road (TMB) PV-4 118 - 40 - 45	
5 (06.2) Pile Caps and Pers PIV-4 120 - 47 53	
6 05.1 Biologo Decks Wext Zene 4 17 - 55 59 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
8 (06.5) Perennent Work Zone 41 118 62 62	
GI) Week Zone allowing Wildersond Stream Water Board for Relocation of Control Medician CI) Week Zone allowing Wildersond Stream Water Board for Relocation of Control Medician CI) Week Zone allowing Wilderson Stream Wilderson of Control Medician CI) Week Zone allowing Wilderson Stream Wilderson of Control Medician CI) Week Zone allowing Wilderson of CI) Wee	
16 (E1) Dismanting Existing Parapet and installation of New Profile Barrier Work Zone SA 121 51 81 63 60	31 81 81 81 81 81 81 81
7 (52) Robatedrist Work Area 5 117 45 79 70 71 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	72 72
(F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	
Works Assa 8 1 (973) Sile Classance / Servey / Pleast Mobilization / Tree Falling and Transplanting Works Works Assa 5 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
2 IF20 INRies Protection and Diversion Works Works 119 141 71 62 62	7 71
75) Construction of Bridge Structure for Stigs Read C 75 (18) Individual or Structure	
15 F3.21 Removal of Existing Noise Burrier along Tsing Tsuen Road Work Zone 6B 117 140 69 63 63	
4 (53) Pilipa (Works 5 (Fig. 1) Pilipa (Works 1) 15/2 69 64 83 (Fig. 1) 15/2 69 65 65 65 65 65 65 65 65 65 65 65 65 65	80 80 80 80 100 100 100 100 100 100 100
6 (F3.5) Bridge Deck Works Area 6 119 141 71 87 99	
14 (E1.5) Residucing Structures for As grade Reades (Work Zone 60 120 227 66 73 78 (Work Zone 60 120 227 66 79 84 (Work Zone	66 66 69 69 69 69 69 69 69 69 69 69 69 6
11 (F3.8) Erection of Noise Barriers Frame and Panels Work Zone 6B 118 140 70 100 105	770 70 70 70 70 70 70
7 (#3.19 Roderdorks, Darlange & Utilities Visio Area 6 11 15 141 69 Visio Area 6 1	
8 (PLTI) PAYMENTER WOOL AGES 9 176 141 77 100 100	50 00
Overal Noise Level, Leg (Sinsis, SSA)	59 69 T 70

Remarks:

11 The Works Area with length to width ratio exceeding 5:1 is divided into Subareas.

21 Works area which are completely out of 300m assessment area from the NSR is not considered in the assessment.

31 includes a +3 dBLN Facility Canada Correction.

41 For the accustion of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Notice from Construction Work other than Percussive Pilling" by EPD.

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR: [11/751 - Proground School Site at 1997 (Purrent)]

Scenario:

Floor mPD: 16.3 m

		WUIK	1 1 1 1		_		1010					~		1001												
		Zone	Dist ⁽²⁾	Building Start			Jun Jul Aug Sep O		Mar Apr May Jun	Jul Aug Sep Oct Nov D	ec Jan Feb Mar Apr May Jun	Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr	r May Jun Jul Au	Sep Oct Nov Dec Jan	Feb Mar Apr May Jun Jul	Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Ju	u Jul Aug Sep Oct	Nov Dec Jan F	eb Mar Apr May Jun Ju	Aug Sep Oct Nov De	c Jan Feb Mar Apr May	Jun Jul Aug Sep Oct Nov Dec	Jan Feb Mar Apr May Jun	Jul Aug Sep Oct Nov Der
Groups of PME	Construction Activity	No.	SWL (m) SPL ¹⁴	Screening Month			6 7 8 9 1		15 16 17 18	19 20 21 22 23 2	4 25 26 27 28 29 30	31 32 33 34 35 36	37 38 39 40	41 42 43 44	45 46 47 48 49	50 51 52 53 54 55	56 57 58 59 60	61 62 63 64 65 66	67 68 69 70	71 72 73 7	4 75 76 77 78 79	80 81 82 83 8	4 85 86 87 88 89	90 91 92 93 94 95 96	97 98 99 100 101 102	103 104 105 106 107 108
	(A) Work Zone at Tai Chung Road Interchange Works Area 1				\perp				-											-						
1	(A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	119 -	25																						
2	(A2) Utilities Protection and Diversion Works (A3) Construction of Bridge Structure for Slip Road E	Works Area 1	119 -	26	26	-	++++	+++		-	+	-	-	\cdots	\cdots	++++	\cdots	++++	+++		++++	++++	+	+++++		
4	(A3.1) Piling Works	PW-1	118 -	27	36		 						 	 	 		 		 		+ + + + + + + + + + + + + + + + + + + 	 				
5	(A3.2) Pile Caps and Piers	PW-1	120 -	29	38																					
6	(A3.3) Bridge Deck	Work Zone 1A	119 -	39	48		-	+	-	-				+++	\cdots		\cdots	$\overline{}$	+++-	-	+	\cdots				
9 7	(A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection (A3.5) Roadworks, Drainage & Utilities	Work Zone 1A Works Area 1	119 -	49	54			+ + + + +	 	- 				 												
8	(A2 6) Brownson	Works Area 1	118 -	57	57																					
	(A4) Improvement at Hoi Hing Road / Hoi On Road Junction	l																								
7	(A4.1) Roadworks, Drainage & Utilities (A4.2) Payement	Works Area 1 Works Area 1	117 -	58	59	-	+++	+++		-	+		-	-	-		\cdots	-	+++	-	++++	++++	+	+		
۰	(B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	WORG AND I	110 -		°			 					 	 	 		 		 		 	 				
	Works Area 2																									
1	(B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 2	119 96 75	25	25			$\overline{}$			75						-					-				
2	(B2) Utilities Protection and Diversion Works (B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	Works Area 2	119 96 74	26	26		 	+			74		-	 						-						
4	(B3.1) Piling Works	PW-2	118 127 71	27	47						71 71 71 71	71 71 71 71 71 71 71	71 71 71 71	71 71 71 71	71 71 71		 		 			 				
5	(B3.2) Pile Caps and Piers	PW-2	120 127 73	29	49						73 73	73 73 73 73 73 73	73 73 73 73	73 73 73 73	73 73 73 73 73											
6	(B3.3) Bridge Deck (B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Works Area 2 Work Zone 2A	119 96 74	50	58									 	 	74 74 74 74 74 74	74 74 74			-		 				
7	(B3.4) Modification of Existing Bridge Structure of I suen Wan Road for Connection (B3.5) Roadworks, Drainage & Utilities	Work Zone 2A Works Area 2	117 96 72	51	61	 		 	 					 		12 12 12 12 12	12 12 12 12 72	72	 			 	 		 	
8	(B3.6) Payement	Works Area 2	118 96 73	62	62													73								
	(B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure	l																								
4	(B4.1) Piling Works (B4.2) Pile Caps and Piers	PW-2-NMM PW-2-NMM	118 104 73	27	50		++++	+++	+++	++++	73 73 73 73	73 73 73 73 73 73	73 73 73 73	73 73 73 73	73 73 73 73 73	73 75 75 75	 	++++	+++	+++	++++	++++	+++++			+++++
11	(R4.3) Frection of Noise Barrier Frame and Panels	Work Zone 2B	118 110 72	53	62			+++	 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 13 13 13 15 15	13 13 13	1.7 13 13 13	12 13 13 13 15	72 72 72	72 72 72 72 72	72 72	 		 	 	 	 		
	(B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KInB) to TTI	1	1 1 1 1																							
4	(B5.1) Piling Works	PW-2A	118 141 70	27	33			++	-		70 70 70 70	70 70 70		++	+++		++++++++++++++++++++++++++++++++++++	\perp	++		+	\Box	+++	+		
5	(B5.2) Pile Caps and Piers (B5.3) Bridge Deck	PW-2A Works Area 2	120 141 72	29	35 47	 	 	+++	 		72 72	72 12 72 72 72 74	74 74 74 74	74 74 74 74 74	74 74 74		 		 	-	 	 	 		 	
9	(B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2C	119 173 69	48	53			 					14 14 14 14	12 2 2 2	69 69	69 69 69 69			 			 				
10	(B5.5) Demolition of Existing Downramp	Work Zone 2D	119 129 71	54	59											71 71	71 71 71 71									
7	(B5.6) Roadworks, Drainage & Utilities (B5.7) Pavement	Work Zone 2D Work Zone 2D	117 129 70	60	61		-	-	-				-	\cdots	\cdots		70	70	-	-		\cdots				
8	(BS.7) Pavement (BS) Modification of At-grade Roads	Work Zone 2D	118 129 /1	62	62		 		 					 				7	 			 				\cdots
7	(B6.1) Roadworks, Drainage & Utilities	Works Area 2	117 96 72	27	28						72 72						-	-								
8	(B6.2) Pavement	Works Area 2	118 96 73	29	29						73															
	(C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange				\perp		-	+++	-				$\overline{}$	+++	\cdots		\cdots		-	$\overline{}$						-
1	Works Area 3 (C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	119 .	1	1 1															-						
2	(C2) Utilities Protection and Diversion Works	Works Area 3	119 -	2	2																					
14	(C3) Retaining Structures for At-grade Roadworks	Work Zone 3A	120 -	3	26																					
3	(C4) Slopeworks (C5) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3B Work Zone 3C	120 -	27	41	-		-						+++					-	-						
13	(C6) Modification of Kwai Hei Street Underpass (NyD Structure No. NF185)	Work Zone 3D	120 -	;	12									 							+ + + + + + + + + + + + + + + + + + + 					
7	(C7) Roadworks, Drainage & Utilities	Works Area 3	117 -	46	47									 												
8	(C8) Pavement	Works Area 3	118 -	48	48		-	-					-	\cdots	\cdots		\cdots	$\overline{}$	-	-	$\overline{}$	\cdots				
	(D) Work Zone between Kwai Tsing Interchange and Container Port Road Works Area 4						-	+						-				$\overline{}$	-	-			+			
1	(D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 4	119 -	13	13								 	 	 		 		 		 	 				
2	(D2) Utilities Protection and Diversion Works	Works Area 4	119 -	14	14																					
14	(D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -	15	27		-	+++	$\overline{}$				$\overline{}$	+++	\cdots		\cdots			$\overline{}$						-
3	(D4) Slopeworks (D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp	Work Zone 4B	120 -	28	39															-						
1	(D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 -	13	13																					
4	(D5.2) Piling Works	PW-4A	118 -	14	20			$\overline{}$									-									
5	(D5.3) Pile Caps and Piers (D5.4) Bridge Deck to widen Ramp F	PW-4A Work Zone 4D	120 -	16	22									 						-						-
10	(D5.5) Demolition of Existing Downramp (Part 1)	Work Zone 4E	119 -	28	30								 	 	 					-		 				
6	(D5.6) Construction of New Downramp	Work Zone 4F	119 -	31	33																					
10	(D5.7) Demolition of Existing Downramp (Part 2) (D5.8) Roadworks, Drainage & Utilities	Work Zone 4G Work Zone 4H	119 -	34	36	-	-	++++											-	-						
8	(DS.9) Payement	Work Zone 4H Work Zone 4H	118	37	39	 	 	+++	 		 		 	 	 	 	 		 		 	 	 	 	 	
	(D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)	1																								
4	(D6.1) Piling Works (D6.2) Pile Caps and Piers	PW-4 PW-4	118 -	40	46	+++	+++	+++	-		 	-	+++	+++	+++	$\overline{}$	+++	$\overline{}$	+++	-	++++	+++	++++			++++
6	(D6.2) Pile Caps and Piers (D6.3) Bridge Deck	Work Zone 4I	119	4/ 54	59	 		 	 					 			 		 			 	 		 	
7	(D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -	60	61																					
8	(D6.5) Pavement	Work Zone 4I	118 -	62	62			\perp										\perp				\Box	\perp			
	(E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median (E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median				\perp		++++	+++	-		+++++	-	+++	++++	++++	++++	++++++++++++++++++++++++++++++++++++	++++	+++	+++	++++	++++	+++++			++++
16	(E1) Dismantling Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 119 74	63	69			 						 			 	74 74 74 74	74 74 74			 	 			
7	(E2) Roadworks	Works Area 5	117 115 71	70	71														71	71						
8	(E3) Pavement (F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	Works Area 5	118 115 72	72	72	\vdash	+++	$+++$ \top	\vdash \vdash \vdash \vdash	-	++++	+++	+++	+++	+++	++++	+++	+++	+++	72	+++	+++	+++	++++	++++	$++++\mp$
	(F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road Works Area 6				\perp	 		 			 			 	 		 		 		 	 	 		 	
1	(F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 113 73	61	61													73								
2	(F2) Utilities Protection and Diversion Works	Works Area 6	119 113 73	62														73								
47	(F3) Construction of Bridge Structure for Slip Road C	Work Zone 6A					++-	+	-				$\overline{}$	 		$\overline{}$	\cdots		+++	-		++++				\cdots
15	(F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane (F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6B	117 113 74	63	63	 		 	 					 			 	71	 			 	 		 	
4	(F3.3) Pling Works	Piling Work Area 6	118 120 71	64	83													71 71 71	71 71 71 71	71 71 71 7	1 71 71 71 71 71	71 71 71 71				
5	(F3.4) Pile Caps ad Piers	Piling Work Area 6	120 120 74	66	86			\perp										74	74 74 74 74	74 74 74 7	4 74 74 74 74 74	74 74 74 74 74 74	4 74 74			
6	(F3.5) Bridge Deck (F3.6) Retaining Structures for At-grade Roads	Works Area 6 Work Zone 6C	119 113 73	87	99		++++	+++	+++	++++	 	++++	+++	+++	 	++++	 	++++	+++	 	0 00 00 00	++++	73 73 73	73 73 73 73 73 73 73	73 73 73	++++
3	(F3.6) Retaining Structures for At-grade Roads (F3.7) Slopeworks	Work Zone 6D	120 217 68	79	84			 			 		 	 	 	 			 	1 00 1	68	68 68 68 68 6	 		 	
11	(F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 113 72	100	105																				72 72 72	72 72 72
7	(F3.9) Roadworks, Drainage & Utitities	Works Area 6	117 113 71	106	107			$+$ \top \top \top										\perp			$+\Box\Box$		\perp			71 71
8	(F3.10) Pavement	Works Area 6	118 113 72	108	108		+++	+++	-		 		+++	++++		++++	++++		+++	+++		++++	 		+++++	72
		ı	1 1 1 1										-							-						
			se Level, Leg (30min), dB(A)																							

Remarks:

11 The Works Area with length to width ratio exceeding 5 - 1 is divided into Subareas.

21 Works area which are completely out of 300m assessment area from the NSP is not considered in the assessment.

33 Includes a -3 dB(N) Facable Correction.

43 For the calculation of sound rescue levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandom on Roise from Construction Work other than Percussive Pileng" by EPD.

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR:

REC12-140 fisse Manuar, Rivers Gordens

Scenario:

Representative Floor:

UFF

Floor mPD:

28.2 m

		Work [7]			50 Est 180	2028	al Aug Sep Oct Nov Dec Ja		2029		2030					. se	1032 	. 5 . 10 . 10 .	2033	الماليساليسا	2034		11 11 1		Oct Nov Dec Jan F		2036
Groups of PME	Construction Activity	Zone No.	SWL (m) SPL	Building Start Screening Month N	End Jun Peo Mar Month 1 2 3	4 5 6 7	8 9 10 11 12 1			22 23 24 25	26 27 28 29 30 3	11 32 33 34 35 36	37 38 39 40 41 42	43 44 45 46 47	48 49 50 51	52 53 54	55 56 57 58 5	0 60 61 62 63 64	65 66 67 68 69	70 71 72 73 74	75 76 77 78 79 80	81 82 83 84 85 E	86 87 88 89 90	91 92 93	94 95 96 97	98 99 100 101 1f	02 103 104 105 106 107 108
	(A) Work Zone at Tai Chung Road Interchange																										
1	Works Area 1 (A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	119 -	25	25	 	 	++++		- 		 			- 	 	 					 				++++	+++
2	(A2) Utilities Protection and Diversion Works	Works Area 1	119 -	26	26				$\overline{}$														$\overline{}$				
4	(A3) Construction of Bridge Structure for Slip Road E (A3.1) Piling Works	PW-1	118	27	36		+++++	++++							-								+++	+	\rightarrow	+	++++
5	(A3.2) Pile Caps and Piers	PW-1	120 -	29	38																						
6	(A3.3) Bridge Deck (A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A Work Zone 1A	119 -	39	48	$\overline{}$	+++++	++++	+						-	-							+++	+	\rightarrow	+	++++
7	(A3.5) Roadworks, Drainage & Utilities	Works Area 1	117 -	55	56																						
8	(A3.6) Pavement (A4) Improvement at Hoi Hing Road / Hoi On Road Junction	Works Area 1	118 -	57	57		++++++	++++	++++	-	+		+		-					$\overline{}$		++++	+++	++++	\rightarrow	++++	++++
7	(A4.1) Roadworks, Drainage & Utilities	Works Area 1	117 -	58	59																						
8	(A4.2) Pavement (B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	Works Area 1	118 -	60	60	-	++++++	++++	++++	+	++++	+++++	++++	+++++	-	-	\cdots	++++	\cdots	\cdots	+	++++	+++		-	+++	+++++-
	Works Area 2						 	++++				 					 			 				-	. — — —	-	+
1	(B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 2	119 269 66 119 269 65	25	25			\Box		66																	
2	(B2) Utilities Protection and Diversion Works (B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	Works Area 2	119 269 65	26	26	 	 			- 	65				- 											+	++++
4	(R3.1) Päinn Works	PW-2 PW-2	118 -	27	47																						
5	(B3.2) Pile Caps and Piers (B3.3) Bridge Deck	PW-2 Works Area 2	120 -	29	49	-	+++++	+++	+	-			+		65 65	65 65 65	65 65 65 65	-	-	++++		++++	+++	-	\rightarrow	++++	++++
9	(B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -	51	59										1 1 2 1 2	, , , , , , , ,											
7	(B3.5) Roadworks, Drainage & Utilities (B3.6) Payement	Works Area 2 Works Area 2	117 269 63 118 269 64	60	61	+++	++++	$+++\mp$	+++	+++	+++	+++	+++	+++	+	$\overline{}$	+++	63 63	+++	+++	+++	+++	+++	+++	$++\mp$	+++	++++
	(B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure		110 209 64	62	"- 																					\pm	
4 6	(B4.1) Piling Works (B4.2) Pilic Caps and Piers	PW-2-NMM	118 -	27	50		+	$+$ \mp \mp	+		\perp		$+ \Box \Box \Box$	$+\Box\Box$		177					+		$+\Pi\Pi$	\Box		+TTT	+
11	(B4.3) Frection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	118 291 64	29 53	62	 	+++++	++++		- 		 		 	- 	64 64	64 64 64 64 6	64 64 64	 	 		 	+++	 		+++	++++
	(B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI		1 1 1 1	1 1 1			$\overline{}$	\rightarrow	\rightarrow														\bot			\rightarrow	
4 5	(B5.1) Piling Works (B5.2) Pile Caps and Piers	PW-2A PW-2A	118 -	27 29	33 35	 	+++++	++++		++++	 	 	 	 	+++	 	 	 	 	 	 	 	++++	 		+++	+++ -
6	(B5.3) Bridge Deck	Works Area 2	119 269 65	36	47			\perp				65	65 65 65 65 65	65 65 65 65													
9	(B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection (B5.5) Demolition of Existing Downramp	Work Zone 2C Work Zone 2D	119 -	48	53	-	+++++	++++	++++	+	++++	+++++	++++	+++++	-	1 10	0 0 0 0		\cdots	\cdots	+	\cdots	+++		-	+++	+++++-
7	(B5.6) Roadworks, Drainage & Utilities	Work Zone 2D	119 296 64 117 296 63 118 296 64	60	61		++++++++++++++++++++++++++++++++++++	\pm									12 2 2 2 2	63 63									
8	(B5.7) Pavement (B6) Modification of At-grade Roads	Work Zone 2D	118 296 64	62	62	$\overline{}$	$\overline{}$	+++	$\overline{}$	$\overline{}$	$\overline{}$		$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	64			$\overline{}$		$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	
7	(B6.1) Roadworks, Drainage & Utilities	Works Area 2	117 269 63 118 269 64	27	28			+	+		63 63												+++			+	+++++
8	(B6.2) Pavement	Works Area 2	118 269 64	29	29		\Box	\rightarrow	\Box		64												\Box		$\overline{}$	\bot	
	(C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange Works Area 3							++++		- 					- 									++++		+	+++
1	(C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	119 -	1	1		$\overline{}$	\bot	\bot	\perp					\perp												
2	(C2) Utilities Protection and Diversion Works (C3) Retaining Structures for At-grade Roadworks	Works Area 3 Work Zone 34	119 -	2 2	2 -	+++	+++++	++++	++++	-				+++++	-				-	+++++	+	++++	+++		+++	+	++++
3	(C4) Sinneworks	Work Zone 3B	120 -	27	41																						
12	(C5) Modification of Kwai Hei Street Underpass (HyD Structure No. N521) (C6) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185)	Work Zone 3C Work Zone 3D	120 -		12		+++++	+++	++++	-					-	-				++++			+++	++++	+++	+	++++
7	(C7) Roadworks, Drainage & Utilities	Works Area 3	117 -	46	47																						
8	(C8) Pavement (D) Work Zone between Kwai Tsing Interchange and Container Port Road	Works Area 3	118 -	48	48	-	++++++	++++	++++	$\overline{}$					-	-	\cdots		-	\cdots	-		+++		$\overline{}$	+	++++ '
	Works Area 4							+	+																+	++++	+++++-
1 0	(D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works (D2) Utilities Protection and Diversion Works	Works Area 4 Works Area 4	119 -	13	13	$\overline{}$		$\overline{+}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	\cdots	\cdots	\cdots	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$		$\overline{}$	$\overline{}$	
14	(D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -	15	27			++++		- 	 	+ + + + + + + + + + + + + + + + + + + 	 		- 		 			 		 		+		++++	+++++
3	(D4) Slopeworks (D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp	Work Zone 4B	120 -	28	39		+	\rightarrow	\rightarrow						-												
1	(D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 -	13	13		+++++	++++	+						-		 						+++		+++	+	++++
4	(DS.2) Piling Works	PW-4A	118 -	14	20			\pm	$\pm \pm $																		
6	(D5.3) Pile Caps and Piers (D5.4) Bridge Deck to widen Ramp F	PW-4A Work Zone 4D	119 -	23	27		++++	+-+							-	-							+++	-	-	+	++++
10	(D5.5) Demolition of Existing Downramp (Part 1)	Work Zone 4E	119 -	28	30		\Box	\Box	\Box														\Box	\Box	\Box	$\overline{}$	
10	(D5.6) Construction of New Downramp (D5.7) Demoition of Existing Downramp (Part 2)	Work Zone 4F Work Zone 4G	119 -	31 34	33		+++++	+-+		-					-			+			+	++++	+++	-	+++	++-	++++
7	(D5.8) Roadworks, Drainage & Utilities	Work Zone 4H	117 -	37	38		$\overline{}$	\bot	\bot	\rightarrow			\bot										\bot	\Box		\rightarrow	
8	(D5.9) Pavement (D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)	Work Zone 4H	118 -	39	39	 	++++	++++	++++	- 		 	++++	 			 	+++	+++		+++	++++					
4	(D6.1) Piling Works (D6.2) Pile Caps and Piers	PW-4 PW-4	118 -	40	46		$\overline{}$	\bot	\bot	\rightarrow	$\overline{}$	$\overline{}$	$\overline{}$		\perp								\bot	\Box		\bot	
6	(D6.2) Pile Caps and Piers (D6.3) Bridge Deck	PW-4 Work Zone 4I	119 -	47 54	59	 	+++++	++++	. 	- 		 		 	+++	 	 	 	 	 		 	++++	 		+++	++++
7	(D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -	60	61		++++++	\bot		\bot	++++	+++++	\bot		\perp							\cdots	\bot	\Box		\bot	
8	(D6.5) Pavement (E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 -	62	62	 	+++++	++++				 		 	+++	 	 	 				 	+++	+++		+++	+++ '
	(E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median							\bot	\bot	\rightarrow													\bot		$\rightarrow \rightarrow \rightarrow$	\bot	
16 7	(E1) Dismantling Existing Parapet and Installation of New Profile Barrier (E2) Roadworks	Work Zone 5A Works Area 5	121 298 66 117 296 63	63	69 71	+++	++++++++++++++++++++++++++++++++++++	+++	+++	+	+	++++	++++	+++++	+	-	+++	66 66	66 66 66 66	63 63	++++	++++	+++	+++	+++	+++	++++-
8	(E3) Payement	Works Area 5	118 296 64	72	72															64							
1	(F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road Works Area 6				\vdash	+++	++++-	$+++\mp$	+++	+++	+++	+++	+++	+++	+	 	+++	+++	+++	++++	+++	++++	+++	+++	$+++\mp$	+++	++++
1	(F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 33 84	61	61													84									
2	(F2) Utilities Protection and Diversion Works (F3) Construction of Bridge Structure for Slip Road C	Works Area 6	119 33 84	62	62	++	+++	++	++	+	+	++++++++++++++++++++++++++++++++++++	+	+++	$+\Box$	+	++-	84	$\overline{}$	+++	+	+++	++	++	$++\mp$	++	+++
17	(F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 6A	90 278 36	63	63													36								+	
15	(F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6B	117 33 82	63	63		\Box	\bot	\rightarrow				\perp					82					\bot			\bot	
4 5	(F3.3) Piling Works (F3.4) Pile Caps ad Piers	Piling Work Area 6 Piling Work Area 6	118 41 81 120 41 83	64	83	 	+++++	++++	. 	- 	 	 	 	 	+++	 	 	81	81 81 81 81 81 83 83 83 83	81 81 81 81 81 83 83 83 83 83 83	81 81 81 81 81 83 83 83 83 83 83	81 81 81 83 83 83 83 8	83	 		++++	+++
6	(F3.5) Bridge Deck	Works Area 6	119 33 84	87	99		$\overline{}$	\rightarrow	\rightarrow														84 84 84 84	84 84 84	84 84 84 84	84 84	
14	(F3.6) Retaining Structures for At-grade Roads (F3.7) Slopeworks	Work Zone 6C Work Zone 6D	120 30 86	73	78	+++	++++	++++	++++	+++	++++	++++	++++	++++++++++++++++++++++++++++++++++++	+++		++++	++++	++++	86 86	86 86 86 86 pp pp	83 83 83 83	+++	+++	+++	+++	++++-
11	(F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 33 83	100	105																33 83					83 83 87	.3 83 83 83
7	(F3.9) Roadworks, Drainage & Utitities (F3.10) Pavement	Works Area 6 Works Area 6	117 33 82	106	107		+	$+ \mp \mp \mp$	$+ \Box \Box$	\perp	\perp	\perp	$+ \mp \mp \mp \mp$	$+\Box$		+TT		\perp			+		$+\Pi\Pi$	\Box		+TTF	82 82
8	(rs. 19) Pavement	WORS Area 6	110 33 83	108	100																					\pm	83
			se Level, Leq (30min), dB(/		-		\Box	\bot	\rightarrow																		

Remarks:

11 The Works Area with length to width ratio exceeding 5:1 is divided into Subareas.

21 Works area which are completely out of 300m assessment area from the NSR is not considered in the assessment.

33 Includes a +3 dB(A) Facache Correction.

41 For the exclusion of sound resource levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Pilling" by EPD.

		work.				2020								1 1 1													$\overline{}$	TTT
oups of PME		Zone	Dist ^[2]	Building S	Start End	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 Ma	er Apr May Jun Jul	Aug Sep Oct No	ov Dec Jan Feb N	far Apr May Jun Jul	Aug Sep Oct	Nov Dec Jan Feb	Mar Apr May Jun Ju	ul Aug Sep Oct	Nov Dec Jan Feb Ma	Apr May Jun Jul Aug S	ep Oct Nov Dec Jan Feb Mar	Apr May Jun Jul	Aug Sep Oc	t Nov Dec Jan Feb Mar	Apr May Jun Jul Aug Sep	Oct Nov Dec Jan Feb Ma	Apr May Jun	A Jul Aug Sep C
oups or PME	Construction Activity (A) Work Zone at Tai Chung Road Interchange	No.	SWL (m)	oru Screening M	Month Month	1 2 3 4 5 6	7 8 9 10 11 12	13 14 15	16 17 18 19 20 21	22 23 24 25 26 2	7 28 29 30 31	32 33 34 39	5 36 37 38 :	39 40 41 42 43	44 45 46	47 48 49 50	51 52 53 54 5	5 56 57 58	59 60 61 62 63	64 65 66 67 68	99 70 71 72 73 74 75	76 77 78 79	80 81 83	2 83 84 85 86 87	88 89 90 91 92 93	94 95 96 97 98 99	100 101 102	2 103 104 105 1
	Works Area 1																											
1	(A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	119 -	:	25 25																						\Box	\Box
2	(A2) Utilities Protection and Diversion Works (A3) Construction of Bridge Structure for Slip Road E	Works Area 1	119 -		26 26		$\overline{}$	-			-	-	-	-	-	-	-	-	-			-	-				++-	+++
4	(A3.1) Piling Works	PW-1	118 -	;	27 36		- 	 		 	 		 	- 	 	 	- 		 	 		 	 	 	 		-	++++
5	(A3.2) Pile Caps and Piers	PW-1	120 -	:	29 38																							
6	(A3.3) Bridge Deck (A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 1A Work Zone 1A	119 -		39 48	\longrightarrow	++++	-		++++	++++	-	+++	+++	-		-	-	\cdots	\cdots			-	+	+		+-	++++
7	(A3.4) Modification of Existing Bridge Structure of I suen Wan Road for Connection (A3.5) Roadworks, Drainage & Utilities	Work Zone 1A Works Area 1	119 -	;	49 54 55 56			 									- 	 				 					-	+
8	(A3.6) Payement	Works Area 1	118 -		57 57						+		-												$\overline{}$		+	+
_	(A4) Improvement at Hoi Hing Road / Hoi On Road Junction	Works Area 1					-			-	-		-		-	-	\rightarrow	-		\cdots		-			\perp		+	\bot
7	(A4.1) Roadworks, Drainage & Utilities (A4.2) Payement	Works Area 1 Works Area 1	117 -		58 59	\vdash		$\overline{}$				-	++++				-	+++	++++				-		+		+-	+++
	(B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	WORS AND I	110 -	'	00 00								 		 					 							-	++++
	Works Area 2				- 1 1																							
1	(B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works (B2) Utilities Protection and Diversion Works	Works Area 2 Works Area 2	119 228	67	25 25		$\overline{}$	-		67	+	-	$\overline{}$	$\overline{}$	-	\cdots	-	+	\cdots			\cdots	-		-		+++	+
2	(B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park	Works Area 2	119 228	67	26 26					6/					 							 	-					+
4	(B3.1) Piling Works	PW-2	118 -	;	27 47						-		+														+-	+
5	(B3.2) Pile Caps and Piers	PW-2	120 -		29 49																						$\perp \perp \perp$	\Box
6	(B3.3) Bridge Deck (B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Works Area 2 Work Zone 2A	119 228	67	50 58			-				-				67	67 67 67 67 6	7 67 67 67					-				++-	++++
7	(B3.4) Modification of Existing Bridge Structure of I suen Wan Road for Connection (B3.5) Roadworks, Drainage & Utilities	Work Zone 2A Works Area 2	117 229	65	60 61	 							++++		 	 	00 00 68 68 6	0 50 58 68	65 65	 	++++			 			++-	++++
8	(B3.6) Payement	Works Area 2	118 228	66	62 62														66									\perp
	(B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure																											
4	(B4.1) Piling Works	PW-2-NMM	118 -		27 50					+++	$+++\Box$	+	+++	+++	+	\vdash	-	+	+++	++++	++++	\vdash	\vdash	++++	++++	+++	+++=	$+++\mp$
11	(B4.2) Pile Caps and Piers (B4.3) Erection of Noise Barrier Frame and Panels	PW-2-NMM Work Zone 2B	120 -		53 62						++++		++++	+++	 	 	- 	+++		 	 	 		 				++++
	(B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI			'	""																							\rightarrow
4	(BS.1) Piling Works	PW-2A	118 -	:	27 33																						\blacksquare	\Box
5	(B5.2) Pile Caps and Piers	PW-2A Works Area 2	120 -		29 35			-			++++	+++	1000	1000	10 0 0			+++		 			-	 			+	++++
9	(B5.3) Bridge Deck (B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Works Area 2 Work Zone 2C	119 228	01	48 59	 					 		67 67 67	or or 87 87 67	67 67	07		+++	 	 	 	 	\vdash	 			+	+++
10	(B5.5) Demolition of Existing Downramp	Work Zone 2D	119 -	;	54 59																							\bot
7	(BS.6) Roadworks, Drainage & Utilities	Work Zone 2D	117 -		60 61						\Box																-	\bot
8	(B5.7) Pavement (B6) Modification of At-grade Roads	Work Zone 2D	118 -		62 62			$\overline{}$		$\overline{}$		$\overline{}$	+		-	-	$\overline{}$		$\overline{}$			-	\vdash		+		+	+
7	(B6.1) Roadworks, Drainage & Utilities	Works Area 2	117 229	66	27 20						: 65		 														+-	+
8	(B6.2) Pavement	Works Area 2	118 228	66	29 29						66		-		-			-									-	+
	(C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange				- 1 1																							\bot
	Works Area 3 (C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3						-			+	-	+++	-	-	-	-	-	-			-	-					+
2	(C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works (C2) Utilities Protection and Diversion Works	Works Area 3 Works Area 3	119 145	71	2 2	71 71		 							 	 	- 	 				 					-	+
14	(C3) Retaining Structures for At-grade Roadworks	Work Zone 3A	120 134	73	3 26	73 73 73 73	73 73 73 73 73 73	73 73 73	73 73 73 73 73 73	73 73 73 73 73	-		-				-							$\overline{}$	-		+	+
3	(C4) Slopeworks	Work Zone 3B	120 130	72	27 41					7.	2 72 72 72 72	72 72 72 73	2 72 72 72 7	72 72 72														
12	(CS) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3C	120 246	67	1 12	67 67 67 67 67 67	67 67 67 67 67 67	-				-			-			+++					-				++-	++++
13	(C6) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185) (C7) Roadworks, Drainage & Utilities	Work Zone 3D Works Area 3	120 208	68	1 12	68 68 68 68 68	68 68 68 68 68 68				 		 			60	- 	+++	 			 					+	+
8	(C8) Pavement	Works Area 3	118 145	70	48 48						-		-		1 1 1 2	70	-										+	+
	(D) Work Zone between Kwai Tsing Interchange and Container Port Road				- 1 1																							
	Works Area 4 (D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 4									+	-	$\overline{}$	$\overline{}$	-	-	-	-	\cdots			-	-		-		+++	+
2	(D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works (D2) Utilities Protection and Diversion Works	Works Area 4 Works Area 4	119 -		13 13										 							 	-					+
14	(D3) Retaining Structures for At-grade Roadworks	Work Zone 4A	120 -		15 27						-																-	+
3	(D4) Slanowarks	Work Zone 4B	120 -	;	28 39																							
	(DS) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp	Work Zone 4C						-			+	-	+		-	-	-	-	-			-	-					+++
1	(D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market (D5.2) Piling Works	Work Zone 4C PW-4A	119 -		13 13						 		 			 	- 	+++			+++++	 	-				+-	+
5	(D5.3) Pile Caps and Piers	PW-4A	120 -		16 22						-		-				-										+	+
6	(D5.4) Bridge Deck to widen Ramp F	Work Zone 4D	119 -		23 27																						\blacksquare	\blacksquare
10	(D5.5) Demoition of Existing Downramp (Part 1) (D5.6) Construction of New Downramp	Work Zone 4E Work Zone 4F	119 -		28 30		++++			++++	++++	+++	+++	++++	+	+++	++++	+++	++++		+++++	+++	\vdash	++++++		++++	+	+++
10	(DS.7) Demolition of Existing Downrame (Part 2)	Work Zone 4G	119 -		34 36			 			 		 	 	 	 		+++		 		 	+	 				+++
7	(DS.8) Roadworks, Drainage & Utilities	Work Zone 4H	117		37 38																							
8	(D5.9) Pavement	Work Zone 4H	118 -	:	39 39								\perp									\Box			\perp		+ $=$	$+\Box$
4	(D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB) (D6.1) Piling Works	PW-4	118	,	40 46						 		++++	+++	 	 		+++	 	 	 	+++	++	 			++-	+++
5	(D6.2) Pile Caps and Piers	PW-4	120 -		47 53										 	 		 	 	 		 	 	 			+	+
6	(D6.3) Bridge Deck	Work Zone 4I	119 -	-	54 59																							
7	(D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 -	1 1 1	60 61		+	\vdash		+	+++	-	+	+	-	++	+	\perp	+++	+		+++	\vdash	+	+	+	++	++
8	(D6.5) Pavement (E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 -		62 62	 					 		++++	++++		+++	++++	+++	++++	 	+++++	+++	+++	++++	 	++++	++-	+++
	(E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	1	\perp			 	- 			- 	 		1111	 	 	 		1	 	 	 	 	 	 	 		+	++++
16	(E1) Dismantling Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 153	72	63 69														72	72 72 72 72 72	72							
7	(E2) Roadworks	Works Area 5	117 189	66	70 71		\perp			\perp	+		\perp	\perp	$\perp \top$						66 66		\Box		\perp	\perp	+	$+\Box$
8	(E3) Pavement (F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	Works Area 5	118 189	68	/Z 72		++++	\vdash		++++	++++	-	+++	+	-	+++	\rightarrow	+++	++++	+++++	68	+++	\vdash	+++++	+++++	++++	+++	+++
	Works Area 6	1									 		 	 	 	 	- 	 	 	 		 	 	 	 		+	++++
1	(F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	119 -		61 61																							
2	(F2) Utilities Protection and Diversion Works	Works Area 6	119 -	-	62 62								\perp	$\perp \top \top$							\perp	\Box			\perp	\perp	+ $=$	$+\Box$
17	(F3) Construction of Bridge Structure for Slip Road C (F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane	Work Zone 6A		11.							++++	+++			-							+++	\vdash	++++			++-	+++
15	(F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6B	117		63 63	 		 	 		 	 	 	 	 	 		+++	 	 	 	 		 			++-	+++
4	(F3.3) Piling Works	Piling Work Area 6	118 -		64 83																							
5	(F3.4) Pile Caps ad Piers	Piling Work Area 6	120 -	-	66 86																						$oldsymbol{\square}$	$\perp \perp \perp$
6	(F3.5) Bridge Deck	Works Area 6 Work Zone 6C	119 -		87 99		+++	$\overline{}$	++++	+	$+++\Box$	+	+++	+++	+	\vdash	-	+	+++	++++	++++	\vdash	\vdash	++++	++++	+++	+++=	+
3	(F3.6) Retaining Structures for At-grade Roads (F3.7) Slopeworks	Work Zone 6C Work Zone 6D	120 -	1	79 84		- 	 					- 	- 	 	 	- 	+++	 	 	 	 		 			+	+
11	(F3.8) Erection of Noise Barriers Frame and Panels	Work Zone 6B	118 -		100 105																						\Box	
7	(F3.9) Roadworks, Drainage & Utitities	Works Area 6	117 -	1	106 107																							
8	(F3.10) Pavement	Works Area 6	118 -	1	108 108					+	+++	-	+	+++	-	++	+++	\perp	+++	++++		++	\vdash		\perp			
		1	\perp								 	+++	+++	++++	+++			+++		 	+++++	+++	\vdash		+			++++
), dB(A)																72 72 72 72 72								

Remarks:

11 The Works Area with length to width ratio exceeding 5:1 is divided into Subareas.

21 Works area which are completely out of 300m assessment area from the NSP is not considered in the assessment.

33 Includes a +3 dBIA/F scade Correction.

41 For the edicitation of bound resure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Notice from Construction Work other than Percussive Palms" by EPD.

Appendix 4.5 Predicted Construction Noise Levels at Representative NSRs during Non-Restricted Hours (Unmitigated Scenario)

NSR:

UXCS1-Lis ling Carboic Secondary School

Venolity of Ploor mPD: 12.7 m.

	Construction Activity	Zone No	SWI (m) S	PL ¹⁴ Screening	Month Month 1 2 3	5 6 7	8 9 10 11 12	13 14 15 16	17 18 19 20 21 22	3 24 25 26 27 28	29 30 31 32 33 34	35 36 37 38 39 40 4	May Jun Jul Aug So	5 46 47 48 49 50	51 52 53 54 55 56 57	58 59 60 61 62 6	64 65 66 67 68 60	70 71 72 73 74	75 76 77 78 79	80 81 82 83 84 85	86 87 88 89 90 91 92 93	94 95 96 97 98	99 100 101 102	103
	(A) Work Zone at Tai Chung Road Interchange																	1 1 1 1 1	10 10 10 10					
	Works Area 1 (A1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 1	440		~ ~ 	$\overline{}$	$\overline{}$	$\overline{}$		-			$\overline{}$				\cdots		\cdots	$\overline{}$			$\overline{}$	\leftarrow
ľ	(A2) Utilities Protection and Diversion Works	Works Area 1	119 -		26 26		 			+ + + + + + + + + + + + + + + + + + + 				 		 			 		86 87 88 89 90 91 92 93	+	+	
ı	(A3) Construction of Bridge Structure for Slip Road E	PW-1																				$\pm \pm \pm \pm$	\bot	ᆮ
	(A3.1) Piling Works (A3.2) Pile Caps and Piers	PW-1 PW-1	118 -		27 36 29 38	 					 			 								++++	+	\vdash
ı	(A3.3) Bridge Deck	Work Zone 1A	119 -		39 48																			=
	(A3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection (A3.5) Roadworks, Drainage & Utilities	Work Zone 1A Works Area 1	119 -		49 54	-	$\overline{}$	$\overline{}$					$\overline{}$		$\overline{}$				$\overline{}$			+	+++	\leftarrow
	(A3.6) Payament	Works Area 1	118 -		57 57	+								+ + + + + + + + + + + + + + + + + + + 					++++			++++	+++	\vdash
ı	(A4) Improvement at Hoi Hing Road / Hoi On Road Junction																					$\pm \pm \pm \pm$	\bot	⇇
	(A4.1) Roadworks, Drainage & Utilities (A4.2) Payement	Works Area 1 Works Area 1	117 -		58 59	+	++++		+++++		+								++++	+		+	+++	\leftarrow
	(B) Work Zone between Tai Ho Road and Tsuen Tsing Interchange	World Add 1	1.0																					
ļ	Works Area 2																						\rightarrow	\leftarrow
ľ	(B1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works (R2) Utilities Protection and Diversion Works	Works Area 2 Works Area 2	119 -		25 25 26 26	+++				++++			- 									+	+	\vdash
	(B3) Construction of Bridge Structure for Additional Lane above Tsuen Wan Park																							\Box
ľ	(B3.1) Piling Works (B3.2) Pile Caps and Piers	PW-2 PW-2	118 -		27 47	++-	+++++	++-		++++		\cdots	+	+++++	+	+++++	+++++	\cdots	++++	+	++++++++++++++++++++++++++++++++++++	+	+++	\leftarrow
ш	(R3.3) Bridge Deck	Works Area 2	119 -		50 58	 				++++				 				 				+	+	\vdash
ŀ	(B3.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection	Work Zone 2A	119 -		51 59																			
ľ	(B3.5) Roadworks, Drainage & Utilities (B3.6) Pavement	Works Area 2 Works Area 2	117 -		60 61	+++																+	+	\vdash
	(B4) Construction of Cantilever Noise Barrier, Vertical Barrier and Noise Semi-enclosure																							
1	(B4.1) Piling Works (B4.2) Pile Caps and Piers	PW-2-NMM PW-2-NMM	118 -		27 50	+	+++	+	++++	++++	++++	++++	+++	++++	 	++++	++++	+++	+++	+++		+++	+++	\leftarrow
ľ	(R4.3) Frection of Noise Barrier Frame and Panels	Work Zone 2B	118 -		53 62																			
1	(B5) Construction of Bridge Structure for New Downramp from Tsuen Wan Road (KinB) to TTI		11																			+TT	\bot	←
1	(BS.1) Piling Works (BS.2) Pile Caps and Piers	PW-2A PW-2A	118 -		29 35	 	 	- 	 	++++	 	 		 		 	 	 	 			++++	+++	$\overline{}$
	(B5.3) Bridge Deck	Works Area 2	119 -		36 47																			\Box
1	(B5.4) Modification of Existing Bridge Structure of Tsuen Wan Road for Connection (B5.5) Demolition of Existing Downramp	Work Zone 2C Work Zone 2D	119 -		48 53	+	+++	+	++++	++++	++++	$\overline{1}$	+++	++++	 	++++	++++	+++	+++	+++		+++	+++	\leftarrow
ľ	(B5.6) Roadworks, Drainage & Utilities	Work Zone 2D	117 -		60 61	 		-		++++				 				 				+	+	\vdash
ŀ	(B5.7) Pavement	Work Zone 2D	118 -		62 62																		\rightarrow	⇇
ľ	(B6) Modification of At-grade Roads (B6.1) Roadworks, Drainage & Utilities	Works Area 2	117 -		27 28	+++							-									++++	+	\vdash
Ш	(B6.2) Pavement	Works Area 2	118 -		29 29																			
1	(C) Work Zone between Tsuen Tsing Interchange and Kwai Tsing Interchange Works Area 3					++-	+++++	++-		++++		-	+	+++++	+	+++++	+++++	++++	++++	+	++++++++++++++++++++++++++++++++++++	+	+++	\leftarrow
	(C1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 3	119 -		1 1 1	 		-						 				 				+	+	\vdash
ŀ	(C2) Utilities Protection and Diversion Works	Works Area 3	119 -		2 2																		$\overline{}$	⇇
ľ	(C3) Retaining Structures for At-grade Roadworks (C4) Slopeworks	Work Zone 3A Work Zone 3B	120 -		3 26 27 41	+++																+	+	\vdash
П	(C5) Modification of Kwai Hei Street Underpass (HyD Structure No. N521)	Work Zone 3C	120 -		1 12																			
ŀ	(OS) Modification of Kwai Hei Street Footbridge (HyD Structure No. NF185) (C7) Roadworks, Drainage & Utilities	Work Zone 3D Works Area 3	120 -		1 12	++-	+++++	++-		++++		-	+	+++++	+	+++++	+++++	++++	++++	+	++++++++++++++++++++++++++++++++++++	+	+++	\leftarrow
Ш	(C8) Pavement	Works Area 3	118 -		48 48	 		-						 								+	+	\vdash
	(D) Work Zone between Kwai Tsing Interchange and Container Port Road					\perp		\perp					$\overline{}$									\bot	$\overline{}$	₽
ľ	Works Area 4 (D1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 4	119 236	67	13 13	+++		67					-									++++	+	\vdash
П	(D2) Utilities Protection and Diversion Works	Works Area 4	119 236	67	14 14			67														\bot	\rightarrow	⊏
ľ	(D3) Retaining Structures for At-grade Roadworks (D4) Slopeworks	Work Zone 4A Work Zone 4B	120 -		15 27	++-		-																
ш	(D5) Construction of Bridge Structure for Tsuen Wan Road (TMB) Upramp		120 -		20 30																			
	(D5.1) Site Clearance at Existing Kwai Shun Street Cooked Food Market	Work Zone 4C	119 214	68	13 13	\perp		68					$\overline{}$									\bot	$\overline{}$	⇇
ľ	(DS.2) Piling Works (DS.3) Pile Caps and Piers	PW-4A PW-4A	118 199	69	14 20 16 22	+		67 67 67	69 69 69 69 69 69	++++			-					++++	++++			++++	+++	\vdash
- 14	(D5.4) Bridge Deck to widen Ramp F	Work Zone 4D	119 203	68	23 27					8 68 68 68														=
ľ	(D5.5) Demolition of Existing Downramp (Part 1) (D5.6) Construction of New Downramp	Work Zone 4E Work Zone 4F	119 286 119 279	65 65	28 30 31 33		+++++																	
ı	(DS.7) Demolition of Existing Downramp (Part 2)	Work Zone 4G	119 281	65	34 36						65	65 65												
	(D5.8) Roadworks, Drainage & Utilities (D5.9) Pavement	Work Zone 4H Work Zone 4H	117 236	65	37 38	\perp	+	\perp	\Box	+	\Box	65 65	\perp	\Box		\Box	\Box	+	\Box	$+\Pi\Pi$		+	+	←
	(D6) Construction of Bridge Structure for Additional Lane at Tsuen Wan Road (TMB)		118 236	00	39 39																 ++			\vdash
ľ	(D6.1) Piling Works	PW-4 PW-4	118 291	64	40 46							64 6	64 64 64 64 6	4 64								\mp	\rightarrow	⊏
ľ	(D6.2) Pile Caps and Piers (D6.3) Bridge Deck	PW-4 Work Zone 4I	120 291	65	4/ 53 54 59		+++++																	
Ш	(D6.4) Roadworks, Drainage & Utilities	Work Zone 4I	117 281	63	60 61											63 63								⊏
	(D6.5) Pavement (E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median	Work Zone 4I	118 281	64	62 62		+						\perp	\Box		64			\Box	+		+	+	\leftarrow
Ш	(E) Work Zone along Widened Tsuen Wan Road for Relocation of Central Median																				 ++			\vdash
١	(E1) Dismantling Existing Parapet and Installation of New Profile Barrier	Work Zone 5A	121 229	68	63 69	$\perp \top \top$										8	68 68 68 68 68					$\perp \Box \Box$	\bot	₽
	(E2) Roadworks (E3) Pavement	Works Area 5 Works Area 5	117 229	66 66	70 71 72 72		+++++			++++	 			++++		 	 	tb 65	 			++++	++++	\leftarrow
	(F) Work Zone between Tsuen Tsing Interchange and Tsing Tsuen Road	**************************************	1	-	· · "																	\bot	\bot	⊏
ı	Works Area 6 (F1) Site Clearance / Set-up / Plant Mobilization / Tree Felling and Transplanting Works	Works Area 6	110		61 61		+++												\Box	+		+	+	\leftarrow
Ш	(F2) Utilities Protection and Diversion Works	Works Area 6 Works Area 6	119 -		62 62																 ++			\vdash
ш	(F3) Construction of Bridge Structure for Slip Road C												\Box									\mp	\rightarrow	⊏
ľ	(F3.1) Modification of Tsuen Tsing Interchange Roundabout from 3-lane to 2-lane (F3.2) Removal of Existing Noise Barrier along Tsing Tsuen Road	Work Zone 6A Work Zone 6B	90 -		63 63	+++	 	+++	 	++++	 	 	+++	 		 	 	++++	 			++++	+++	\vdash
М	(F3.3) Piling Works	Piling Work Area 6	118 -		64 83																			
ŀ	(F3.4) Pile Caps ad Piers (F3.5) Bridge Deck	Piling Work Area 6 Works Area 6	120 -		66 86		+	\perp	+	+	\Box		\perp	\Box		\Box	\Box	+	\Box	$+\Pi\Pi$		+	+	€
ı	(F3.6) Retaining Structures for At-grade Roads	Work Zone 6C	119 -		73 78	+++	 		 	+ 	 			 		 	-, , , , , , , , , , , , , , , , , , , 	++++	+++	\vdash				
Ш	(F3.7) Slopeworks	Work Zone 6D	120 -		79 84									+++++									\rightarrow	⊏
	(F3.8) Erection of Noise Barriers Frame and Panels (F3.9) Roadworks, Drainage & Utilities	Work Zone 6B Works Area 6	118 -		100 105	+	++++	+	++++	++++	++++	+++++	+++	++++	- 	 	++++	+++	++++	++++	+++++	+++	+++	-
ľ	(F3.10) Pavement	Works Area 6	118 -		108 108																<u> </u>			亡
1													\perp									$+\Pi\Pi$	+	\leftarrow
_		Overall No	ise Level, Leg (30min), d	B(A)	- 	 	 	70 70 67 71	71 71 71 71 69 69	8 68 68 68 68 68	65 65 65 65 65 65	65 65 65 66 64	64 64 64 64 6	4 64 66 66 66 66	66 66 66 65 65 65 65	65 65 63 63 64 6	68 68 68 68 68	65 65 66	 					\vdash
_		2.000	range and committee																					_
	length to width ratio exceeding 5:1 is divided into Subareas.																							
	e completely out of 300m assessment area from the NSR is not considered in the a Facade Correction	sessment.																						