Project: SCL - Tai Wai to Hung Hom Section

Title : Construction Noise Calculation

Scenario: Mitigated Scenario
Subtitle: HIK Station + Cut & Cover + Portal + Viaduct Construction

See Methods of the content of the co	Subtitle: HIK Station + Cut & Cover + Portal + Viaduct Construct	tion																																		
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Shoring along C&C Tunnel, U-trough and Demolish Existing Retaining Wall HIK E1   108   106   1	Cast C&C Tunnel and U-trough - HIK E3		i_			<u></u>									<u> </u>		<u>L</u> L										102	102 1	102 102	102			i_	L		Ш
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Project: SCL - Tai Wai to Hung Hom Section

Title: Construction Noise Calculation
Scenario: Mitigated Scenario
Subtitle: HIK Station + Cut & Cover + Portal + Viaduct Construction

Activities					20	12					<u> </u>				2	2013										2014										2015	5									2016					
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Mini-Bored Piles for Noise Barrier			į	l	104	104	104 1	04 10	04 104															ĺ	İ		İ				İ	İ		İ		ĺ	- 1					İ		į		İ	İ	1	l	1 '	i
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Track Works of SCL Installation of OHL and Modify MOS Overrun Track - HIK E10			l		ļ	l	l			į	!!			İ	İ						96	96	96	96	96			1 1			į											İ		l			į		ļ	!	ĺ
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HIK Viaduct Stage 6 S43 Install Noise Enclosure -HIK E11			l		İ	l			96	96	96 9	96 9	6 96	96			1 1														į											İ			į		į		İ	1 '	i
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Modification of Retaining Wall and Noise Barrier Installation			l		111	111	111 1	11 11	11 111	111	1 1			l	l			l			l			1							ļ	İ		l		1						1		l	- 1	İ	ļ		1	! '	l
Worksite S46						-				+	† †	_	_	+	+	$\dagger$	† †		_ <u>_</u>	-	_	$\top$					+				- †	+	+	_	$\dagger$					-		†		_	- †	+	+	<del>†                                      </del>	<del>!</del>	-	Г
Demolition of existing RCP								10	01 101									ļ																												İ				'	i
Site clearance for Permanent RCP														1	1			- 1			-			- 1						102				-		- 1								-					1	! '	ĺ
Construction of existing RCP										1					<u> </u>	<u> </u>	$\perp \perp$												Ш	101	101 1	01 10	01									<u> </u>	igsqcut				<u> </u>	1	<u> </u>	<u>'</u> ــــــــــــــــــــــــــــــــــــ	Ĺ
Worksite S47 Mobilization, site clearance and TTMS for temporary RCP					104																																														i
Construction of temporary RCP			į		1	102	102 1	02		İ						1		l						ĺ				1 1	l İ							ĺ						1						1	1	1 '	ŀ
Demolition of existing RCP			ĺ		1	ĺ	ĺ	- 1		1		İ		l	1	1	1 1	ĺ	İ		-			ĺ	Ì		İ	1 1	l İ		İ	Ì	10	)1		ĺ	- 1					1	lĺ	Ì	ı			1	1	1 '	ŀ
Note: S42 are enclosured, construction noise impacts are not anticipated.	$\pm$		_		+	_	=		_	_	<del>                                      </del>		_	_	_	+	+ +	-+	_			_	+ - 1	-+	-+	-		+ +	-	-+		_	_		+ + 1	-+	_		<del></del>			+	<del></del>		-		_	+	•	一	<u>_</u>

Summary of SWLs	
IIK Station Stage 1 S1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 1 S2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 1 S3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IIK Station Stage 2 S4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 2 S5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 2 S6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 2 S7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IIK Station Stage 3 S8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 3 S9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 3 S10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 3 S11	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 3 S11a	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Station Stage 4 S12	
HIK Station Stage 5 S13	
HIK Station Stage 5 S14	
HK Station Stage 5 S15	
IIK Station Stage 5 S16	
IIK Portal Stage 1 S17 (HIK WEST)	
IK Portal Stage 1 S18 (HIK EAST)	0 0 0 0 0 109 109 102 103 103 103 103 103 103 103 103 103 103
IK Portal Stage 2 S19 (HIK WEST)	
IK Portal Stage 2 S20 (HIK EAST)	0 0 0 0 0 0 0 107 107 107 107 107 107 10
HIK Portal Stage 2 020 (HIK EAST)	
HK Portal Stage 3, 4 and 5 S22 (HIK EAST)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IIK Portal Stage 6 S24 (HIK EAST)	
IIK Portal Stage 7 S25 (HIK WEST)	
HK Portal Stage 7 S26 (HIK EAST)	
HK Portal Stage 8 S28	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Vorksite S31	
HK At Grade Box Section Construction Stage 1 S32	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK At Grade Box Section Constituction Stage 1 332	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HK Viaduct Stage 2 S34	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IIK Viaduct Stage 2 534	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IIK Viaduct Stage 2 S36	
IIK Viaduct Stage 2 S37	0 0 0 0 0 0 0 0 0 0 0 105 107 108 102 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IK Viaduct Stage 3 S38	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 102 102
IIK Viaduct Stage 3 S39	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
IK Viaduct Stage 3 339	0 0 0 0 0 104 104 104 104 0 0 0 0 0 0 106 106 106 106 106 106 106
IK Viaduct Stage 4 S40  IK Viaduct Stage 5 S41	
IK Vladuct Stage 5 S41 IK Vladuct Stage 5 S42	
IIK Viaduct Stage 6 S43 Vorksite S45	
	0 0 0 0 0 111 111 111 111 111 0 0 0 0 0
Worksite S46	0 0 0 0 0 0 0 0 101 101 0 0 0 0 0 0 0 0
Worksite S47	0 0 0 0 0 104 106 102 102 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Predicted Construction Noise, dB(A)	Max																																																	
TAW 5-1	66	0	0	0	0 (	0 61	61	61	61	61	61 6	0 45	45	45	45	56 56	56	56	56	58 60	59	58	49	61 6	1 66	66	64	64 64	1 64	64	65 5	58 57	54	54	55	56 56	56	55	55 5	54 (	0 0	0	0	0	0 0	0	0	0 0	0	(
TAW 5-2	71	0	0	0	0 (	0 61	61	58	58	58	58 6	1 63	65	62	57	55 55	5 53	64	64	66 66	63	55	46	68 6	3 71	71	69	68 68	68	68	69 6	63 63	63	63	64	63 63	62	62	62 6	62 5	3 58	58	58	51 5	1 51	0	0	0 0	0	(
TAW 6-4	66	0	0	0	0 (	0 61	61	61	61	61	61 6	0 46	46	46	46	57 57	7 57	57	57	59 60	59	58	49	60 6	66	65	63	63 63	63	63	64 5	57 56	54	54	55	56 56	56	54	54	53 (	0 0	0	0	0	0 0	0	0	0 0	0	(
TAW 6-5	72	0	0	0	0 (	64	64	63	63	63	63 6	7 71	72	69	65	58 58	59	69	69	71 71	69	56	55	67 6	7 70	70	68	67 67	7 67	67	68 6	63 64	66	66	66	65 65	65	65	65 6	65 6	3 63	63	62	55 5	5 53	0	0	0 0	0	(
TAW 6-6	75	0	0	0	0 (	74	74	73	73	74	74 7	3 73	73	73	73	73 73	3 74	74	70	70 70	70	70	70	70 70	70	70	70	70 70	70	73	73 7	73 75	74	72	72	71 71	71	71	71	71 6	8 68	68	69	68 6	8 64	0	0	0 0	0	(
TAW 6-7	68	0	0	0	0 (	67	68	65	65	62	62 6	1 62	62	62	61 (	61 6	62	62	59	59 58	3 58	58	58	58 5	3 58	58	58	58 58	3 58	60	61 6	61 63	66	61	61	61 61	61	61	61 6	61 59	9 58	59	59	57 5	7 54	0	0	0 0	0	(
TAW-6-8	75	0	0	0	0 (	69	69	68	68	68	68 6	8 69	69	68	68	68 68	68	69	66	66 66	65	64	64	65 6	66	66	65	65 65	65	67	67 6	67 70	71	70	70	75 75	75	75	75	75 7°	1 69	71	71	68 6	8 68	0	0	0 0	0	(
TAW-5-3	70	0	0	0	0 (	0 61	61	61	61	61	61 6	1 56	57	54	50	57 56	5 56	58	58	61 62	2 60	58	49	64 6	1 70	69	67	67 67	7 67	67	68 6	60 60	58	58	58	59 59	59	58	58 5	57 (	0 0	0	0	0	0 0	0	0	0 0	0	(
TAW-P1-2	58	0	0	0	0 (	) 48	48	48	48	48	48 4	0 40	40	40	40	51 50	50	50	50	52 53	3 52	52	42	53 5	3 58	58	56	55 56	5 56	56	57 5	50 48	46	46	47	48 48	48	47	47	46 (	0 0	0	0	0	0 0	0	0	0 0	0	(
TAW-6-2	60	0	0	0	0 (	0 60	60	60	60	60	60 6	0 0	0	0	0	0 (	0	0	0	0 (	0 0	0	0	0 (	0 0	0	0	0 0	0 0	0	0	0 0	0	0	0	0 0	0	0	0	0 (	0 0	0	0	0	0 0	0	0	0 0	0	(