Project : SCL - Tai Wai to Hung Hom Section

Title : Construction Noise Calculation

Scenario : Mitigated Scenario

Subtitle: KAT + Cut & Cover

Activities	2012												2013												2014												2015												2016											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Worksite S1																																																												
Site clearance and erection of hoarding						103	103	103	103	103																																																		
Bulk excavation of soft soil and dewatering											112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112																			
Station Structure Construction														106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106																						
Backfill and compaction																												109	109	109	109	109	109	109	109	109	109	109	109	109																				
Sheeting and Lateral Support System																															104	104	104	104	104	104	104	104	104																					
BS Installation and ABWF works																																									111	111	111	111	111	111	111	111	111	111										
Worksite S3																																																												
Mobilization						102	102	102																																																				
Breaking of Airfield Pavement								106	106	106																																																		
Diaphragm Wall Construction										97	97	97	97	97	97	97	97	97	97																																									
Excavation																																																												
Installation of Struts and Waling																																																												
Tunnel Construction																																																												
Backfilling and Reinstatement																																										102	102	102	102															
Worksite S4																																																												
Mobilization						102	102	102																																																				
Breaking of Airfield Pavement								106	106	106																																																		
Diaphragm Wall Construction										97	97	97	97	97	97	97	97	97	97																																									
Excavation																																																												
Installation of Struts and Waling																																																												
Tunnel Construction																																																												
Backfilling and Reinstatement																																										102	102	102	102															
Worksite S5																																																												
Site Clearance and Erection of hoarding						103	103																																																					
Sheeting and Lateral Support System								107	107	107	107	107	107	107	107	107	107																																										
Bulk excavation of soft soil and dewatering																																																												
Construct Tunnel																																																												
Backfill and compaction																								107	107	107	107	107	107	107																														
Worksite S6																																																												
Site Clearance and Erection of hoarding																103	103																																											
Sheeting and Lateral Support System																		107	107																																									
Bulk excavation of soft soil and dewatering																																																												
Canopy Pipe Pile Construction																																																												
Construct Tunnel																																																												
Backfill and compaction																																							107	107	107																			
Worksite S7																																																												
Site Clearance and Erection of hoarding																				103	103																																							
Bulk excavation of soft soil and dewatering																																																												
Construct Tunnel																																																												
Backfill and compaction																																										107	107	107	107															

Note: Excavation, Bulk excavation of soft soil and dewatering, Insallation of Structs and Waling, Canopy Pipe Pile Construction and tunnel construction at worksites s3, s4, s5, s6 and s7 are under cut and cover tunnel part, construction noise impacts are not anticipated.

Summary of SWLs																																																												
Worksite S1	0	0	0	0	0	103	103	103	103	103	112	112	112	113	113	113	113	113	113	113	113	113	113	113	113	113	113	114	114	114	115	115	115	115	115	115	115	114	114	114	114	111	111	111	111	111	111	111	111	111	0	0	0	0	0	0	0	0	0	0
Worksite S3	0	0	0	0	0	102	102	107	106	106	97	97	97	97	97	97	97	97	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	102	102	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S4	0	0	0	0	0	102	102	107	106	107	97	97	97	97	97	97	97	97	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	102	102	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S5	0	0	0	0	0	103	103	107	107	107	107	107	107	107	107	107	107	0	0	0	0	0	0	107	107	107	107	107	107	107	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
Worksite S6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Predicted Construction Noise, dB(A)	Max																																																												
DIH-14-3	54	0	0	0	0	0	49	49	54	53	54	45	45	45	45	45	45	45	45	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KAT-P1-6	65	0	0	0	0	0	55	55	58	57	58	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	65	65	65	65	65	65	65	65	65	65	65	65	64	65	62	62	62	62	61	61	61	61	61	0	0	0	0	0	0	0	0	0	0
KAT-P1-5-A	60	0	0	0	0	0	55	55	60	59	60	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	56	56	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KAT-P1-5-B	75	0	0	0	0	0	69	69	75	74	74	66	66	66	66	66	66	66	66	66	60	60	60	60	60	60	60	60	61	61	61	62	62	62	62	62	62	62	61	61	61	62	70	70	70	70	58	58	58	58	58	0	0	0	0	0	0	0	0	0	0
KAT-P1-5-C	62	0	0	0	0	0	56	56	61	60	60	60	60	60	61	61	61	61	61	61	60	60	60	60	60	60	60	60	62	62	62	62	62	62	62	62	62	62	62	62	61	62	60	60	60	60	59	59	59	59	59	0	0	0	0	0	0	0	0	0	0
KAT-P1-5-D	66	0	0	0	0	0	60	60	66	64	65	56	56	56	56	56	56	56	56	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	61	61	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0