Project : SCL - Stabling Sidings at Hung Hom Freight Yard

Title : Construction Noise Calculation
Scenario : Mitigated Scenario
Subtitle: KAT + Cut & Cover Tunnel

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																	

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	114	114	114	114	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	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
Worksite S4	0	0	0	0	0	102	102	107	106	107	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
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
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

Predicted Construction Noise, dB(A)	Max																																																											
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	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
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	56	56	56	56	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	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
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	62	62	62	62	62	62	62	62	62	62	62	61	62	62	60	60	60	60	59	59	59	59	59	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	61	61	61	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: Construction activities including 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 and s6 will be located underground, therefore, construction noise impacts are not anticipated.