Project : SCL - Tai Wai to Hung Hom Section

Title : Construction Noise Calculation
Scenario : Mitigated Scenario
Subtitle : Chatham Road North

Activities	2012						2013												2014											
	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																														
Concrete Structure EWL and Concrete Structure EWL (existing culvert loc)																														
Worksite S2																														
Concrete Strucutres EWL																														
Worksite S3a																														
Temporary Cofferdam EWL						106	106	106																						
Excavation & Shoring EWL									95	95	95																			
Concrete Strucutres EWL												104	104	104	104	104														
Worksite S3b																														
Stage 1 Across Rd Cofferdam Construction																			106	106										
Excavation																					95	95								
Structure EWL (Winslow St.) - Stage 1																							106	106	106					
Stage 2 Across Rd Cofferdam Construction																											106	106	106	
Stage 3 Across Rd Cofferdam Construction																														106
Excavation																														
Structure EWL (Winslow St.) - Stage 3																														
Reinstate Winslow St.																														
Traffic Diversion works (Winslow St)																									106	106	106			
Worksite S4a																														
Site Clearance and Hoarding and Utility diversion			103	103	103	103																								
Temp CHRN Foundation				102	102	102	102	102	102	102	102	102																		
Deck for TB1												100	100	100	100	100	100	100												
Existing Bridge Deck Removal																			108	108										
Construction of new western abutment																														
Bridge Reinstatement																														
Demolish Temp CHRN																														
Demolish Existing OB2 abutment																							108	108						
Worksite S4b																														
Temporary Cofferdam EWL																							106	106	106	106				
Excavation & strutting to EWL formation																											95	95		
Concrete Strucutres EWL																													106	106
Re-align Slip road OB2A																														
Divert Slip road Winslow St. underpass																														
Worksite S5																														
Temporary Cofferdam EWL before Temp CHRN diversion				106	106																									
Excavation & strutting to EWL formation																														95
Concrete Strucutres EWL																														
Temporary Cofferdam EWL (after slip rd re-instate)																														
Excavation & strutting EWL (after slip rd re-instate)																														
Concrete Strucutres EWL (after slip rd re-instate)																														
Backfill EWL (after slip rd re-instate)																														
Worksite S7																														
Sump pit Structure																														
EWL Structure																														

Activities	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
Worksite S1																								
Concrete Structure EWL and Concrete Structure EWL (existing culvert loc)											104	104	104	104	104									
Worksite S2																								
Concrete Strucutres EWL						107	107	107																
Worksite S3a																								
Temporary Cofferdam EWL																								
Excavation & Shoring EWL																								
Concrete Strucutres EWL																								
Worksite S3b																								
Stage 1 Across Rd Cofferdam Construction																								
Excavation																								
Structure EWL (Winslow St.) - Stage 1																								
Stage 2 Across Rd Cofferdam Construction																								
Stage 3 Across Rd Cofferdam Construction	106																							
Excavation		95	95																					
Structure EWL (Winslow St.) - Stage 3				106	106	106																		
Reinstate Winslow St.							100	100	100	100														
Traffic Diversion works (Winslow St)																								
Worksite S4a																								
Site Clearance and Hoarding and Utility diversion																								
Temp CHRN Foundation																								
Deck for TB1																								
Existing Bridge Deck Removal																								
Construction of new western abutment	102	102	102																					
Bridge Reinstatement				106	106	106	106																	
Demolish Temp CHRN							103	103	103															
Demolish Existing OB2 abutment																								
Worksite S4b																								
Temporary Cofferdam EWL																								
Excavation & strutting to EWL formation																								
Concrete Strucutres EWL	106	106	106																					
Re-align Slip road OB2A									106	106	106													
Divert Slip road Winslow St. underpass											106													
Worksite S5																								
Temporary Cofferdam EWL before Temp CHRN diversion																								
Excavation & strutting to EWL formation	95	95																						
Concrete Strucutres EWL			106	106																				
Temporary Cofferdam EWL (after slip rd re-instate)											106	106	106											
Excavation & strutting EWL (after slip rd re-instate)														95	95	95								
Concrete Strucutres EWL (after slip rd re-instate)																	106	106	106					
Backfill EWL (after slip rd re-instate)																				99	99			
Worksite S7																								
Sump pit Structure																		103	103					
EWL Structure																		103	103	103				

Note: S6 is not included in this assessment

Summary of SWLs	Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13	Apr 13	May 13	Jun 13	Jul 13	Aug 13	Sep 13	Oct 13	Nov 13	Dec 13	Jan 14	Feb 14	Mar 14	Apr 14	May 14	Jun 14	Jul 14	Aug 14	Sep 14	Oct 14	Nov 14	Dec 14
Worksite S1	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 S2	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 S3a	0	0	0	0	0	106	106	106	95	95	95	104	104	104	104	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S3b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	95	95	106	106	109	106	109	106	106	106
Worksite S4a	0	0	103	106	106	106	102	102	102	102	102	104	100	100	100	100	100	100	108	108	0	0	106	106	106	106	95	95	106	106
Worksite S4b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	106	106	95	95	106	106
Worksite S5	0	0	0	106	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Worksite S7	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

Summary of SWLs	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	Nov 16	Dec 16
Worksite S1	0	0	0	0	0	0	0	0	0	0	104	104	104	104	104	0	0	0	0	0	0	0	0	0
Worksite S2	0	0	0	0	0	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S3a	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 S3b	106	95	95	106	106	106	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S4a	107	107	107	106	106	106	107	103	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S4b	106	106	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worksite S5	95	95	106	106	0	0	0	0	0	0	106	106	106	95	95	95	106	106	106	99	99	0	0	0
Worksite S7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	103	0	0	0	0

Predicted Construction Noise, dB(A)	Max	Jul 12	Aug 12	Sep 12	Oct 12	Nov 12	Dec 12	Jan 13	Feb 13	Mar 13	Apr 13	May 13	Jun 13	Jul 13	Aug 13	Sep 13	Oct 13	Nov 13	Dec 13	Jan 14	Feb 14	Mar 14	Apr 14	May 14	Jun 14	Jul 14	Aug 14	Sep 14	Oct 14	Nov 14	Dec 14
		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
HOM-5-1	60	0	0	48	58	58	51	48	48	48	48	48	50	46	46	46	46	46	46	54	54	36	36	56	56	57	56	51	49	56	57
HUH-1-1	62	0	0	50	60	60	56	55	55	50	50	50	54	53	53	53	53	48	48	56	56	38	38	58	58	59	58	53	51	59	59
HUH-1-2	68	0	0	55	66	66	61	60	60	55	55	55	59	58	58	58	58	52	52	63	63	49	49	66	66	67	66	63	61	66	66
HUH-1-3	77	0	0	59	65	65	67	67	67	60	60	60	66	65	65	65	65	57	57	73	73	62	62	75	75	77	75	76	73	75	75
HUH-10-1	54	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
HUH-4-1	55	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
HUH-3-1	57	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
HUH-4-2	54	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
HUH-8-1	58	0	0	0	0	0	52	52	52	41	41	41	50	50	50	50	50	0	0	53	53	42	42	55	55	57	55	56	53	55	55

Predicted Construction Noise, dB(A)	Jan 15	Feb 15	Mar 15	Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar 16	Apr 16	May 16	Jun 16	Jul 16	Aug 16	Sep 16	Oct 16	Nov 16	Dec 16
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOM-5-1	57	57	60	58	53	53	53	49	49	41	57	57	57	46	46	46	57	57	57	50	50	0	0	0
HUH-1-1	59	59	62	60	55	57	57	55	51	43	59	59	59	48	48	48	59	59	59	52	52	0	0	0
HUH-1-2	67	66	68	67	62	63	62	60	57	54	65	65	65	54	54	54	65	65	65	58	58	0	0	0
HUH-1-3	75	71	72	74	73	74	70	69	68	67	62	62	62	53	53	51	62	62	62	55	55	0	0	0
HUH-10-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	54	50	0	0	0	0
HUH-4-1	0	0	0	0	0	54	54	54	0	0	55	55	55	55	55	0	0	0	0	0	0	0	0	0
HUH-3-1	0	0	0	0	0	57	57	57	0	0	55	55	55	55	55	0	0	0	0	0	0	0	0	0
HUH-4-2	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	0	0	54	54	51	0	0	0	0
HUH-8-1	55	52	52	53	53	58	57	57	47	47	52	52	52	52	52	0	0	0	0	0	0	0	0	0