Project : SCL - Stabling Sidings at Hung Hom Freight Yard

Title : Construction Noise Calculation
Scenario : Unmitigated Scenario
Subtitle: HHS + HUH

Activities	2013												2014												2015											
	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
S1 Hung Hom Sidings Zone 1 - Accomondation South																																				
Clearance/Demolition							125	125																												
Site Investigation							113	113																												
Utilities Diversion									115	115																										
Sheet Piling													128	128	128	128																				
Excavation																	118	118																		
Substructure (raft foundation)																			116	116	116	116														
Ground Slab																							116	116	116	116										
Walls & Columns & Roof Slab																											116	116								
ABWF & BS Installation																													105	105	105	105	105			
S2 Hung Hom Sidings Zone 2 - Accomondation East																																				
Clearance/Demolition									125	125	125																									
Site Investigation									113	113	113																									
Utilities Diversion												115	115	115																						
Excavation															118	118	118	118																		
Substructure (raft foundation)																		116	116	116	116	116	116													
Storm Drain Diversion																						115	115	115	115											
Ground Slab																							116	116	116	116	116	116								
Walls & Columns & Roof Slab																													116	116	116	116	116			
Structural Modification Works																													120	120	120					
ABWF & BS Installation																																	105	105	105	105
S3 Hung Hom Sidings Zone 3 - Accomondation East																																				
Clearance/Demolition				125	125	125																														
Site Investigation				113	113	113																														
Utilities Diversion							115	115	115	115																										
Sheet Piling										128	128	128	128																							
Piling										117	117	117	117	117	117	117																				
Excavation																118	118	118	118																	
Pile Caps																			114	114	114	114														
Underpinning																					118	118	118	118	118											
Underground concrete ducts and corridor																			115	115	115	115	115	115												
Track Slab																									116	116	116	116	116							
Roadworks																														116	116	116	116			
ABWF & BS Installation																														105	105	105	105	105	105	
S4 Hung Hom Sidings Zone 4 - Stabling Middle																																				
Clearance/Demolition							125	125	125	125																										
Site Investigation							113	113	113	113																										
Utilities Diversion										115	115	115	115																							
Sheet Piling														128	128	128																				
Excavation																	118	118	118																	
Underground concrete ducts and corridor																				115	115	115	115	115												
Storm Drain Diversion																							114	114	114	114	114									
Track Slab																											116	116	116	116						
Roadworks																															116	116	116			
ABWF & BS Installation																															105	105	105	105		
S5 Hung Hom Sidings Zone 5 - Stabling North																																				
Clearance/Demolition				125	125	125																														
Site Investigation				113	113	113																														
Utilities Diversion							115	115	115																											
Sheet Piling										128	128	128	128																							
Excavation														118	118	118																				
Underground concrete ducts																	115	115	115	115	115															
Track Slab																						116	116	116	116											
Roadworks																										116	116	116	116							
ABWF & BS Installation																										105	105	105	105	105						

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Activities	2013												2014												2015											
	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
S6 Hung Hom Sidings Zone 6 - North Fan Area																																				
Clearance/Demolition												125	125	125																						
Site Investigation												113	113	113																						
Utilities Diversion															113	113	113																			
Sheet Piling																		125	125																	
Piling (for noise enclosure & box culvert)																		120	120	120	120	120	120													
Excavation																							114	114	114	114										
Box Culvert Diversion																								115	115	115	115	115	115							
Pile Cap (for noise enclosure)																										113	113	113	113	113	113					
Noise Enclosure																																116	116	116	116	116
Track Slab																																				
Roadworks																																				
ABWF & BS Installation																																				
S7 Hung Hom Sidings Zone 7 - South External Area																																				
Clearance/Demolition/Site Investigation																					125	125	125	125	125	125										
Underground Utilities/Drainage																																				
Roadworks																																				
S8 Hung Hom Sidings Area H1																																				
Cooling maines diversion							115	115	115	115	115																									
Dia 1650 Sewer diversion																																				
Tentative CLP cable tunnels strengthening																										111	111	111	111	111	111	111				
Dwall construction (SCL (MKK-HUH)) for sewer diversion																																120	120	120	120	120
Dwall construction (SCL (MKK-HUH)) remaining																																				
Excavation & Strutting to SCL (MKK-HUH) roof																																				
Excavation & Strutting to SCL (MKK-HUH) base																																				
Concrete Structure SCL (MKK-HUH) roof																																				
Concrete Structure SCL (MKK-HUH) base & wall																																				
Sump pit Structure																																				
Concrete Support to CLP Tunnel																																				

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Activities	2013												2014												2015											
	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
S9 Hung Hom Sidings Area H2																																				
Modification of Traversa (civil)							116	116	116	116																										
Utilities Diversion / Services relocate by oth GL0-GL7										124	124	124	124																							
Ground Treatment to GL1 to GL7													94	94	94	94	94	94																		
Dwall & Barrette GL0 to GL7																		119	119	119	119	119	119													
Pump test GL0 to GL7																									82	82	82									
Underpinning beam & columns																								114	114	114	114	114								
Demolish existing columns																														122	122					
Final Excavation & Strutting to SCL (MKK-HUH) base GL0 to GL7																																				
Excavation & Strutting GL0 to GL7																																	121	121	121	
SCL (TAW-HUH) Base GL0 to GL7																															116	116	116	116		
SCL (TAW-HUH) and other Structures GL0 to GL7																																				
Vent Shaft Structure GL0																																				
SCL (MKK-HUH) Slab & props to existing Fdn GL0 to GL7																																			116	116
SCL (MKK-HUH) Base & Wall GL0 to GL7																																				
SCL (TAW-HUH) Plant room ABWF Deg. 1																																				
S10 Hung Hom Sidings Area H3																																				
SCL (TAW - HUH) Track Slab & Structures GL7 to GL15															116	116																				
SCL (MKK-HUH) Structures Intermediate Slab & props GL7 to GL15																						116	116	116												
SCL (MKK-HUH) Structure Base & Wall GL7 to GL15																												116	116	116	116					
SCL (TAW-HUH) Strucutures Wall & Roof GL7 to GL15																																116	116			
SCL (TAW-HUH) & other Structures GL7 to GL15																																116	116	116	116	
Utilities Diversion / Services relocate (GL7 to GL15)				119	119	119																														
Dwall GL7 to GL15					119	119	119	119	119	119	119																									
Pump test GL7 to GL15												82	82																							
Excavation to SCL (TAW-HUH) slab GL7 to GL15														124																						
Excavation & Strutting to intermediate slab GL7 to GL15																			124	124	124															
Excavation & Strutting to SCL (MKK-HUH) base GL7 to GL15																									124	124	124									
S11 Hung Hom Sidings Area H4																																				
Utilities Diversion / Services relocate (GL15-GL28)	119	119	119																																	
Underpinning GL K		119	119	119	119	119	119																													
Dwall GL15 to GL31 / GL N				118	118	118	118	118	118																											
Dwall GL15 to GL31 / GL K1									118	118	118	118	118	118																						
Pump test GL15 to GL28															85	85																				
Excavation & Strutting 1st Layer GL15 to GL28																	124																			
Excavation & Strutting GL15 to GL28																							123	123	123	123	123	123								
Excavation & Strutting to SCL (MKK-HUH) base GL7 to GL15																									124	124	124									
SCL (TAW-HUH) Track Slab GL15 to GL28																		116	116	116																
Install Temporary Steel Tower Column GL15 to GL22																					114	114														
Demolish existing Column & Pier Cap GL15 to GL22																							117	117												
SCL (MKK-HUH) Base Structure GL15 to GL28																													116	116	116					
SCL (TAW-HUH) & other Structures GL15 to GL28																															121	121	121	121		
SCL (MKK-HUH) Internal Structures GL15 to GL28																																119	119	119		
S12 Hung Hom Sidings Area H5																																				
Utilities Diversion / Services relocate (GL28-GL38)				119	119	119																														
Temporary Storm Drain @ 1875 Diversion (GL31)										114	114	114																								
Redivert Storm @ 1875 Diversion (GL32)																						125	125													
Underpinning GL K & L							119	119	119	119	119																									
Dwall GL31 to GL38 / GL K1												118	118	118	118																					
Dwall GL31 to GL38 / GL N													118	118	118	118																				
Pump test GL28 to GL38																	85	85																		
Excavation & Strutting 1st Layer GL28 to GL38																		124																		
Excavation & Strutting GL28 to GL38																					124	124	124	124	124	124	124									
SCL (TAW-HUH) Track Slab GL28 to GL38																			116	116	116															
SCL (MKK-HUH) Base Structure GL28 to GL38																												116	116	116						
SCL (MKK-HUH) Internal Structures GL28 to GL38																															116	116	116			
Underpinning Columns to Podium Soffit GL28 to GL38																																		114	114	
SCL (TAW-HUH) & other Structures GL28 to GL38																																		121	121	121

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S13 Hung Hom Sidings Area H6																																				
Utilities Diversion / Services relocate (GL38 to GL48)	119	119	119																																	
Underpinning GL K & L				119	119	119	119	119																												
Underpinning Mid-level walkway				114	114	114	114	114																												
Dwall GL38 to GL48 / Interface / GL N				118	118	118	118	118	118	118																										
Dwall GL38 to GL48 / Interface / GL K1									118	118	118	118																								
Pump test GL 38 to GL48 / Interface													85	85																						
Excavation & Strutting 1st Layer GL38 to GL48															121	121																				
Excavation & Strutting GL38 to GL48 / Interface																				121	121	121	121	121	121											
SCL (TAW-HUH) Track Slab GL38 to GL48 / Interface																	123	123	123																	
SCL (MKK-HUH) Base Structure GL38 to GL48																										116	116	116								
SCL (MKK-HUH) Internal Structures GL38 to GL48																													116	116	116					
Underpinning Columns to Podium Soffit GL38 to GL48																																114	114			
SCL (TAW-HUH) & other Structures GL38 to GL48																																121	121	121	121	
S14 Hung Hom Sidings Area H7																																				
Plant Rooms And Ducts																																				
S16 Hung Hom Sidings Shunt Neck Area 2																																				
Construction of Shunt Track																																				
Construction of Noise Barriers																																				
S17 Hung Hom Sidings Shunt Neck Area 3																																				
Construction of Shunt Track																																		113		
Construction of Noise Barriers																																		107	107	
S18 Hung Hom Sidings Shunt Neck Area 4																																				
Construction of Shunt Track																																				
S19 Hung Hom Sidings Shunt Neck Area 5																																				
Construction of Shunt Track																											117									
S20 Hung Hom Sidings Shunt Neck Area 6																																				
Construction of Shunt Track																												117								
Construction of Noise Barriers																												107	107							
S21 Hung Hom Sidings Shunt Neck Area 7																																				
Construction of Shunt Track Above SCL (MKK-HUH)																																		111	111	111
S22 Hung Hom Sidings Shunt Neck Area 8B																																				
Construction of Shunt Track Above SCL (MKK-HUH)																																				

Summary of SWLs																																				
S1 Hung Hom Sidings Zone 1 - Accomondation South	0	0	0	0	0	0	125	125	115	115	0	0	128	128	128	128	118	118	116	116	116	116	116	116	116	116	116	116	105	105	105	105	105	0	0	0
S2 Hung Hom Sidings Zone 2 - Accomondation East	0	0	0	0	0	0	0	0	125	125	125	115	115	115	118	118	118	120	116	116	116	118	120	118	118	116	116	116	121	121	121	116	116	105	105	105
S3 Hung Hom Sidings Zone 3 - Accomondation East	0	0	0	125	125	125	115	115	115	128	128	128	128	117	117	120	118	118	121	118	121	121	120	120	120	116	116	116	116	117	117	117	117	105	105	0
S4 Hung Hom Sidings Zone 4 - Stabling Middle	0	0	0	0	0	0	125	125	125	125	115	115	115	128	128	128	118	118	118	115	115	115	118	118	114	114	118	116	116	116	117	117	117	105	105	0
S5 Hung Hom Sidings Zone 5 - Stabling North	0	0	0	125	125	125	115	115	115	128	128	128	128	118	118	118	115	115	115	115	115	116	116	116	116	117	117	117	117	105	0	0	0	0	0	0
S6 Hung Hom Sidings Zone 6 - North Fan Area	0	0	0	0	0	0	0	0	0	0	0	0	125	125	125	113	113	113	126	126	120	120	120	121	118	118	119	117	117	117	113	113	116	116	116	116
S7 Hung Hom Sidings Zone 7 - South External Area	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	125	125	125	125	125	0	0	0	0	0	0	0	0	0	0
S8 Hung Hom Sidings Area H1	0	0	0	0	0	0	115	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	111	111	111	111	111	121	120	120	120	120
S9 Hung Hom Sidings Area H2	0	0	0	0	0	0	116	116	116	125	124	124	124	94	94	94	94	119	119	119	119	119	119	114	114	114	114	114	0	122	123	116	123	123	123	116
S10 Hung Hom Sidings Area H3	0	0	0	119	122	122	119	119	119	119	119	82	82	124	116	116	0	0	124	124	124	116	116	116	124	124	124	116	116	116	116	119	119	116	116	0
S11 Hung Hom Sidings Area H4	119	122	122	122	122	122	122	118	121	118	118	118	118	118	85	85	124	116	116	116	114	114	124	124	127	127	127	123	116	116	122	123	123	123	0	0
S12 Hung Hom Sidings Area H5	0	0	0	119	119	119	119	119	119	120	120	120	121	121	121	118	85	124	116	116	125	128	128	124	124	124	124	116	116	116	116	116	116	122	122	121
S13 Hung Hom Sidings Area H6							122	122	121	121	118	118	85	85	121	121	123	123	123	121	121	121	121	121	121	116	116	116	116	116	116	122	122	121	121	0
S14 Hung Hom Sidings Area H7	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
S16 Hung Hom Sidings Shunt Neck Area 2	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
S17 Hung Hom Sidings Shunt Neck Area 3	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	114	107	0
S18 Hung Hom Sidings Shunt Neck Area 4	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
S19 Hung Hom Sidings Shunt Neck Area 5	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	117	0	0	0	0	0	0	0	0	0
S20 Hung Hom Sidings Shunt Neck Area 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	118	107	0	0	0	0	0	0	0
S21 Hung Hom Sidings Shunt Neck Area 7	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	111	111	111
S22 Hung Hom Sidings Shunt Neck Area 8B	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

Predicted Construction Noise, dB(A)	Max																																			
HUH-1-3	78	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	72	78	67	0	0	0	0	71	70	70
HUH-8-1	75	0	0	0	66	66	66	64	64	63	70	70	75	75	74	66	66	66	75	75	70	70	70	71	68	68	69	70	69	67	63	63	67	67	69	67	65
HUH-3-1	81	0	0	0	71	71	71	68	68	71	76	76	80	80	79	71	71	71	81	80	75	75	76	76	74	74	74	73	73	73	70	70	72	72	72	71	70
HUH-3-2	81	0	0	0	74	74	74	68	68	75	79	79	81	81	79	73	73	71	80	80	75	75	76	77	74	74	74	73	73	74	72	72	71	71	71	70	70
HUH-4-1	81	58	61	61	65	66	66	68	68	68	68	66	80	80	80	70	70	71	81	81	75	76	76	77	74	75	75	74	73	72	69	70	72	72	73	72	71
HUH-4-2	80	62	65	65	67	68	68	76	76	71	71	69	73	80	80	79	79	71	75	75	72	75	75	76	75	76	76	74	72	68	68	69	72	72	72	71	70
HUH-10-1	84	0	0	0	71	72	72	80	80	76	79	78	76	84	83	83	83	74	75	74	73	78	78	78	78	78	77	73	73	71	72	72	72	72	70	70	69

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	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S1 Hung Hom Sidings Zone 1 - Accomondation South																								
Clearance/Demolition																								
Site Investigation																								
Utilities Diversion																								
Sheet Piling																								
Excavation																								
Substructure (raft foundation)																								
Ground Slab																								
Walls & Columns & Roof Slab																								
ABWF & BS Installation																								
S2 Hung Hom Sidings Zone 2 - Accomondation East																								
Clearance/Demolition																								
Site Investigation																								
Utilities Diversion																								
Excavation																								
Substructure (raft foundation)																								
Storm Drain Diversion																								
Ground Slab																								
Walls & Columns & Roof Slab																								
Structural Modification Works																								
ABWF & BS Installation	105	105																						
S3 Hung Hom Sidings Zone 3 - Accomondation East																								
Clearance/Demolition																								
Site Investigation																								
Utilities Diversion																								
Sheet Piling																								
Piling																								
Excavation																								
Pile Caps																								
Underpinning																								
Underground concrete ducts and corridor																								
Track Slab																								
Roadworks																								
ABWF & BS Installation																								
S4 Hung Hom Sidings Zone 4 - Stabling Middle																								
Clearance/Demolition																								
Site Investigation																								
Utilities Diversion																								
Sheet Piling																								
Excavation																								
Underground concrete ducts and corridor																								
Storm Drain Diversion																								
Track Slab																								
Roadworks																								
ABWF & BS Installation																								
S5 Hung Hom Sidings Zone 5 - Stabling North																								
Clearance/Demolition																								
Site Investigation																								
Utilities Diversion																								
Sheet Piling																								
Excavation																								
Underground concrete ducts																								
Track Slab																								
Roadworks																								
ABWF & BS Installation																								

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	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S6 Hung Hom Sidings Zone 6 - North Fan Area																								
Clearance/Demolition																								
Site Investigation																								
Utilities Diversion																								
Sheet Piling																								
Piling (for noise enclosure & box culvert)																								
Excavation																								
Box Culvert Diversion																								
Pile Cap (for noise enclosure)																								
Noise Enclosure	116																							
Track Slab	116	116	116	116																				
Roadworks					116	116	116																	
ABWF & BS Installation					105	105	105	105																
S7 Hung Hom Sidings Zone 7 - South External Area																								
Clearance/Demolition/Site Investigation																								
Underground Utilities/Drainage														113	113	113								
Roadworks																116	116	116	116					
S8 Hung Hom Sidings Area H1																								
Cooling maines diversion																								
Dia 1650 Sewer diversion	118	118	118																					
Tentative CLP cable tunnels strengthening																								
Dwall construction (SCL (MKK-HUH)) for sewer diversion																								
Dwall construction (SCL (MKK-HUH)) remaining	120	120	120	120	120																			
Excavation & Strutting to SCL (MKK-HUH) roof					124	124	124																	
Excavation & Strutting to SCL (MKK-HUH) base													124	124	124									
Concrete Structure SCL (MKK-HUH) roof							120	120	120															
Concrete Structure SCL (MKK-HUH) base & wall																124	124	124						
Sump pit Structure												118	118	118	118									
Concrete Support to CLP Tunnel												118	118	118	118	118	118							

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Subtitle: HHS + HUH

Activities	2016												2017											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S9 Hung Hom Sidings Area H2																								
Modification of Traversa (civil)																								
Utilities Diversion / Services relocate by oth GL0-GL7																								
Ground Treatment to GL1 to GL7																								
Dwall & Barrette GL0 to GL7																								
Pump test GL0 to GL7																								
Underpinning beam & columns																								
Demolish existing columns																								
Final Excavation & Strutting to SCL (MKK-HUH) base GL0 to GL7		121	121	121																				
Excavation & Strutting GL0 to GL7																								
SCL (TAW-HUH) Base GL0 to GL7																								
SCL (TAW-HUH) and other Structures GL0 to GL7					123	123	123																	
								123																
									116	116	116	116	116											
Vent Shaft Structure GL0															117	117	117	117						
SCL (MKK-HUH) Slab & props to existing Fdn GL0 to GL7	116	116	116	116																				
SCL (MKK-HUH) Base & Wall GL0 to GL7				122	122	122	122	122																
SCL (TAW-HUH) Plant room ABWF Deg. 1												115	115	115	115									
S10 Hung Hom Sidings Area H3																								
SCL (TAW - HUH) Track Slab & Structures GL7 to GL15																								
SCL (MKK-HUH) Structures Intermediate Slab & props GL7 to GL15																								
SCL (MKK-HUH) Structure Base & Wall GL7 to GL15																								
SCL (TAW-HUH) Strucutures Wall & Roof GL7 to GL15																								
SCL (TAW-HUH) & other Structures GL7 to GL15																								
Utilities Diversion / Services relocate (GL7 to GL15)																								
Dwall GL7 to GL15																								
Pump test GL7 to GL15																								
Excavation to SCL (TAW-HUH) slab GL7 to GL15																								
Excavation & Strutting to intermediate slab GL7 to GL15																								
Excavation & Strutting to SCL (MKK-HUH) base GL7 to GL15																								
S11 Hung Hom Sidings Area H4																								
Utilities Diversion / Services relocate (GL15-GL28)																								
Underpinning GL K																								
Dwall GL15 to GL31 / GL N																								
Dwall GL15 to GL31 / GL K1																								
Pump test GL15 to GL28																								
Excavation & Strutting 1st Layer GL15 to GL28																								
Excavation & Strutting GL15 to GL28																								
Excavation & Strutting to SCL (MKK-HUH) base GL7 to GL15																								
SCL (TAW-HUH) Track Slab GL15 to GL28																								
Install Temporary Steel Tower Column GL15 to GL22																								
Demolish existing Column & Pier Cap GL15 to GL22																								
SCL (MKK-HUH) Base Structure GL15 to GL28																								
SCL (TAW-HUH) & other Structures GL15 to GL28																								
SCL (MKK-HUH) Internal Structures GL15 to GL28																								
S12 Hung Hom Sidings Area H5																								
Utilities Diversion / Services relocate (GL28-GL38)																								
Temporary Storm Drain @ 1875 Diversion (GL31)																								
Redivert Storm @ 1875 Diversion (GL32)																								
Underpinning GL K & L																								
Dwall GL31 to GL38 / GL K1																								
Dwall GL31 to GL38 / GL N																								
Pump test GL28 to GL38																								
Excavation & Strutting 1st Layer GL28 to GL38																								
Excavation & Strutting GL28 to GL38																								
SCL (TAW-HUH) Track Slab GL28 to GL38																								
SCL (MKK-HUH) Base Structure GL28 to GL38																								
SCL (MKK-HUH) Internal Structures GL28 to GL38																								
Underpinning Columns to Podium Soffit GL28 to GL38																								
SCL (TAW-HUH) & other Structures GL28 to GL38	121	121																						

Project : SCL - Stabling Sidings at Hung Hom Freight Yard

Title : Construction Noise Calculation
Scenario : Unmitigated Scenario
Subtitle: HHS + HUH

Activities	2016												2017											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
S13 Hung Hom Sidings Area H6																								
Utilities Diversion / Services relocate (GL38 to GL48)																								
Underpinning GL K & L																								
Underpinning Mid-level walkway																								
Dwall GL38 to GL48 / Interface / GL N																								
Dwall GL38 to GL48 / Interface / GL K1																								
Pump test GL 38 to GL48 / Interface																								
Excavation & Strutting 1st Layer GL38 to GL48																								
Excavation & Strutting GL38 to GL48 / Interface																								
SCL (TAW-HUH) Track Slab GL38 to GL48 / Interface																								
SCL (MKK-HUH) Base Structure GL38 to GL48																								
SCL (MKK-HUH) Internal Structures GL38 to GL48																								
Underpinning Columns to Podium Soffit GL38 to GL48																								
SCL (TAW-HUH) & other Structures GL38 to GL48																								
S14 Hung Hom Sidings Area H7																								
Plant Rooms And Ducts				124	124	124																		
							119	119																
S16 Hung Hom Sidings Shunt Neck Area 2																								
Construction of Shunt Track													113											
Construction of Noise Barriers													107	107										
S17 Hung Hom Sidings Shunt Neck Area 3																								
Construction of Shunt Track																								
Construction of Noise Barriers																								
S18 Hung Hom Sidings Shunt Neck Area 4																								
Construction of Shunt Track			117																					
S19 Hung Hom Sidings Shunt Neck Area 5																								
Construction of Shunt Track																								
S20 Hung Hom Sidings Shunt Neck Area 6																								
Construction of Shunt Track																								
Construction of Noise Barriers																								
S21 Hung Hom Sidings Shunt Neck Area 7																								
Construction of Shunt Track Above SCL (MKK-HUH)	111																							
S22 Hung Hom Sidings Shunt Neck Area 8B																								
Construction of Shunt Track Above SCL (MKK-HUH)																			111	111	111			

Summary of SWLs																								
S1 Hung Hom Sidings Zone 1 - Accomondation South	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S2 Hung Hom Sidings Zone 2 - Accomondation East	105	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S3 Hung Hom Sidings Zone 3 - Accomondation East	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S4 Hung Hom Sidings Zone 4 - Stabling Middle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S5 Hung Hom Sidings Zone 5 - Stabling North	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S6 Hung Hom Sidings Zone 6 - North Fan Area	119	116	116	116	117	117	117	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S7 Hung Hom Sidings Zone 7 - South External Area	0	0	0	0	0	0	0	0	0	0	0	0	0	113	113	118	116	116	116	0	0	0	0	0
S8 Hung Hom Sidings Area H1	122	122	122	120	126	124	126	120	120	0	0	121	126	126	126	125	125	124	0	0	0	0	0	0
S9 Hung Hom Sidings Area H2	116	122	122	125	126	126	126	126	116	116	116	119	119	115	119	117	117	117	0	0	0	0	0	0
S10 Hung Hom Sidings Area H3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S11 Hung Hom Sidings Area H4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S12 Hung Hom Sidings Area H5	121	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S13 Hung Hom Sidings Area H6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S14 Hung Hom Sidings Area H7	0	0	0	124	124	124	119	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S16 Hung Hom Sidings Shunt Neck Area 2	0	0	0	0	0	0	0	0	0	0	0	0	114	107	0	0	0	0	0	0	0	0	0	0
S17 Hung Hom Sidings Shunt Neck Area 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S18 Hung Hom Sidings Shunt Neck Area 4	0	0	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S19 Hung Hom Sidings Shunt Neck Area 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S20 Hung Hom Sidings Shunt Neck Area 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
S21 Hung Hom Sidings Shunt Neck Area 7	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S22 Hung Hom Sidings Shunt Neck Area 8B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	78	70	0	69	0	0	0	0	0	0	0	0	0	61	53	0	0	0	0	65	65	65	0	0	0
HUH-8-1	75	68	65	69	73	73	73	69	67	0	0	0	0	63	56	0	0	0	0	0	0	0	0	0	0
HUH-3-1	81	73	70	71	76	76	76	73	70	0	0	0	0	65	58	0	0	0	0	0	0	0	0	0	0
HUH-3-2	81	72	70	69	75	75	75	72	69	0	0	0	0	63	55	0	0	0	0	0	0	0	0	0	0
HUH-4-1	81	74	71	70	77	77	77	74	71	0	0	0	0	63	56	0	0	0	0	0	0	0	0	0	0
HUH-4-2	80	72	72	71	74	76	75	75	71	68	55	55	69	74	74	74	74	74	73	63	0	0	0	0	0
HUH-10-1	84	70	71	71	71	75	74	75	71	68	59	59	70	74	74	74	74	74	73	67	0	0	0	0	0