Project : SCL - Stabling Sidings at Hung Hom Freight Yard

Title : Construction Noise Calculation
Scenario : Mitigated Scenario
Subtitle: HHS + HUH (Cumulative)

Activities		2012												2013											
		Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
HHS + HUH Alone																									
Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	62	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	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	63	63	62	63	61	63
HUH-3-1	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	59	59	67	67	66	67	66	68
HUH-3-2	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	61	61	63	63	64	67	66	67
HUH-4-1	73	0	0	0	0	0	0	0	0	0	0	0	0	58	61	61	65	66	66	68	68	68	68	66	68
HUH-4-2	73	0	0	0	0	0	0	0	0	0	0	0	0	62	65	65	67	68	68	69	68	68	69	68	68
HUH-10-1	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	61	61	66	66	65	69	68	68

Activities		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
HHS + HUH Alone																									
Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	62	51	0	0	0	0	58	57	57
HUH-8-1	65	60	59	62	62	64	65	65	63	63	63	63	63	63	60	60	60	59	58	58	63	63	62	62	54
HUH-3-1	70	66	65	66	66	67	70	69	67	68	69	69	67	67	66	65	64	64	62	62	66	66	66	66	61
HUH-3-2	68	67	65	65	64	64	68	67	64	66	68	68	65	65	65	65	63	63	61	61	63	63	64	64	61
HUH-4-1	73	68	68	68	67	69	71	70	68	70	72	73	70	71	71	71	67	65	64	66	68	68	69	68	65
HUH-4-2	73	70	70	68	68	68	69	69	69	70	71	72	70	73	73	73	68	64	66	68	69	69	70	67	64
HUH-10-1	72	72	70	70	70	61	64	66	66	66	65	66	64	65	65	64	61	59	66	67	63	66	66	66	60

SCL (MKK-HUH) + SCL (MKK-ADM) Alone

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	71	0	0	0	0	0	0	0	0	58	58	50	60	60	60	60	60	61	60	60	60	0	0	0	0
HUH-8-1	65	0	0	0	0	0	0	0	0	59	59	0	62	62	62	62	62	63	63	63	63	61	61	59	59
HUH-3-1	72	0	0	0	0	0	0	0	0	61	63	66	68	67	64	64	64	65	65	65	65	68	68	66	66
HUH-3-2	66	0	0	0	0	0	0	0	0	58	58	53	61	61	61	61	61	62	62	62	62	65	65	63	63
HUH-4-1	71	0	0	0	0	0	0	0	49	60	60	64	66	65	62	62	62	63	63	63	63	65	65	62	62
HUH-4-2	73	0	0	0	0	0	48	48	52	57	60	66	65	64	60	59	59	60	60	60	60	60	60	57	57
HUH-10-1	72	0	0	0	0	0	65	65	65	65	71	72	72	66	65	65	65	65	65	65	65	65	65	65	65

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	71	64	70	70	70	68	66	67	68	71	70	71	71	71	70	70	66	66	61	61	64	65	62	62	59
HUH-8-1	65	63	63	62	62	61	60	60	65	65	61	60	57	59	59	59	59	60	59	59	55	51	51	57	57
HUH-3-1	72	68	68	64	64	64	63	63	72	72	70	70	70	70	61	61	61	62	62	62	70	70	70	70	70
HUH-3-2	66	65	65	60	60	60	59	59	66	66	63	62	61	61	59	59	59	60	60	60	61	60	60	61	61
HUH-4-1	71	64	64	62	62	62	61	61	71	71	70	70	70	70	60	60	60	60	60	60	70	70	70	70	70
HUH-4-2	73	57	57	53	53	53	53	53	70	70	69	71	71	71	55	55	55	57	65	65	70	73	73	73	73
HUH-10-1	72	65	65	65	65	65	65	65	65	67	67	70	70	71	68	67	67	67	69	69	68	72	72	72	71

Note: SPL calculation refers to Appendix 8.8A

SCL (TAW-HUH) Alone

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	77	0	0	0	0	0	0	0	0	59	65	65	67	67	67	60	60	60	66	65	65	65	65	57	57
HUH-8-1	58	0	0	0	0	0	0	0	0	0	0	0	52	52	52	41	41	41	50	50	50	50	50	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
HUH-3-2#	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
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
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
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

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	77	73	73	62	62	75	75	77	75	76	73	75	75	75	71	72	74	73	74	70	69	68	67	62	62
HUH-8-1	58	53	53	42	42	55	55	57	55	56	53	55	55	55	52	52	53	53	58	57	57	47	47	52	52
HUH-3-1	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	57	57	0	0	55	55
HUH-3-2#	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	57	57	0	0	55	55
HUH-4-1	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	54	54	0	0	55	55
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	51	51
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

Note: SPL refers to SCL (TAW-HUH) EIA

NSR adjacent to NSR HUH-3-1, HUH-3-1 SPL will be used as reference

KTE with EPIW Alone

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	67	64	65	65	64	64	64	67	65	65	64	64	62	63	63	63	60	60	59	59	59	61	61	61	59
HUH-8-1	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	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-3-2	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
HUH-4-1	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	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-10-1	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	67	61	61	59	59	61	59	61	65	66	65	66	62	65	62	62	60	58	58	0	0	0	0	0	0
HUH-8-1	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	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-3-2	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
HUH-4-1	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	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-10-1	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

Note: SPL refer to Environmental Impact Assessment (EIA) Study for Kwun Tong Line Extension (KTE)

Cumulative Noise Level of HHS + HUH, SCL (MKK-HUH) + SCL (MKK-ADM), SCL (TAW-HUH) and KTE with EPIW

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	78	64	65	65	64	64	64	67	65	67	68	68	69	69	69	66	65	65	67	67	67	66	66	62	61
HUH-8-1	67	0	0	0	0	0	0	0	0	59	59	0	63	63	63	62	63	63	64	66	66	65	65	63	64
HUH-3-1	73	0	0	0	0	0	0	0	0	61	63	66	68	67	64	64	66	66	66	69	69	70	70	69	70
HUH-3-2	69	0	0	0	0	0	0	0	0	58	58	53	61	61	61	61	64	64	64	65	65	68	69	68	69
HUH-4-1	75	0	0	0	0	0	0	0	49	60	60	64	66	66	65	65	67	68	68	69	69	70	70	68	69
HUH-4-2	75	0	0	0	0	0	48	48	52	57	60	66	65	66	66	66	68	69	69	70	69	69	69	68	68
HUH-10-1	73	0	0	0	0	0	65	65	65	65	71	72	72	66	65	65	66	66	66	69	69	68	71	70	70

Predicted Construction Noise, dB(A)	Max																								
HUH-1-3	78	74	75	71	71	76	76	78	76	77	75	76	76	77	74	74	75	74	74	70	70	70	68	66	64
HUH-8-1	67	65	65	65	65	66	67	67	67	67	65	65	64	65	63	63	63	63	63	63	64	63	63	64	59
HUH-3-1	73	73	73	68	68	69	70	70	73	73	73	73	72	72	67	67	66	66	66	65	72	71	71	72	71
HUH-3-2	69	69	68	66	65	65	68	67	68	69	69	69	67	67	66	66	64	65	64	64	66	65	65	66	65
HUH-4-1	75	70	69	68	69	71	71	73	74	74	75	73	74	71	71	68	66	66	67	72	72	72	72	72	71
HUH-4-2	75	70	70	68	68	68	69	69	72	73	73	75	74	75	73	73	68	65	68	70	72	74	74	74	74
HUH-10-1	73	72	71	71	71	66	68	68	68	70	69	72	71	72	70	69	68	68	71	71	69	73	73	73	71

Project : SCL - Stabling Sidings at Hung Hom Freight Yard

Title : Construction Noise Calculation
Scenario : Mitigated Scenario
Subtitle: HHS + HUH (Cumulative)

Activities		2016												2017												2018											
		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
HHS + HUH Alone																																					
Predicted Construction Noise, dB(A)	Max																																				
HUH-1-3	62	57	0	53	0	0	0	0	0	0	0	0	0	47	38	0	0	0	0	52	52	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUH-8-1	65	56	52	54	58	59	59	57	54	0	0	0	0	50	40	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	70	62	60	57	61	63	63	61	57	0	0	0	0	52	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUH-3-2	68	62	60	56	60	61	61	60	56	0	0	0	0	49	39	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	73	65	64	57	62	63	63	61	58	0	0	0	0	49	40	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	73	64	65	63	66	67	66	66	66	57	55	55	60	62	61	62	61	61	60	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUH-10-1	72	61	65	65	68	69	69	69	69	60	59	59	62	63	62	64	63	63	62	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCL (MKK-HUH) + SCL (MKK-ADM) Alone

Predicted Construction Noise, dB(A)	Max																																				
HUH-1-3	71	59	59	62	63	63	62	61	61	63	63	64	65	65	62	61	61	61	61	56	60	60	60	58	58	54	54	54	58	58	0	0	0	0	0	0	0
HUH-8-1	65	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
HUH-3-1	72	0	0	0	56	56	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
HUH-3-2	66	0	0	0	54	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	0
HUH-4-1	71	0	0	0	55	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	0
HUH-4-2	73	71	71	68	64	61	48	48	48	48	48	64	64	64	64	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
HUH-10-1	72	70	70	70	70	70	69	66	66	66	66	68	67	67	67	64	64	64	64	64	64	64	64	64	64	68	68	68	66	66	66	66	66	66	64	64	64

Note: SPL calculation refers to Appendix 8.8A

SCL (TAW-HUH) Alone

Predicted Construction Noise, dB(A)	Max																																				
HUH-1-3	77	62	53	53	51	62	62	62	55	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
HUH-8-1	58	52	52	52	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
HUH-3-1	57	55	55	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	0	0	0
HUH-3-2#	57	55	55	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	0	0	0
HUH-4-1	55	55	55	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	0	0	0
HUH-4-2	54	51	51	51	0	0	54	54	51	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-10-1	54	0	0	0	0	0	54	54	50	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

Note: SPL refers to SCL (TAW-HUH) EIA
NSR adjacent to NSR HUH-3-1, HUH-3-1 SPL will be used as reference

KTE with EPIW Alone

Predicted Construction Noise, dB(A)	Max																																				
HUH-1-3	67	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
HUH-8-1	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
HUH-3-1	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
HUH-3-2	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	0
HUH-4-1	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
HUH-4-2	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	0
HUH-10-1	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

Note: SPL refer to Environmental Impact Assessment (EIA) Study for Kwun Tong Line Extension (KTE)

Cumulative Noise Level of HHS + HUH, SCL (MKK-HUH) + SCL (MKK-ADM), SCL (TAW-HUH) and KTE with EPIW

Predicted Construction Noise, dB(A)	Max																																				
HUH-1-3	78	64	60	63	63	65	65	64	62	64	63	64	65	65	62	61	61	61	61	57	60	60	60	58	58	54	54	54	58	58	0	0	0	0	0	0	0
HUH-8-1	67	57	55	57	58	59	59	57	54	0	0	0	0	50	40	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	73	63	61	60	63	63	63	61	57	0	0	0	0	52	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUH-3-2	69	63	62	59	61	62	61	60	56	0	0	0	0	49	39	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	75	66	65	59	63	64	63	61	58	0	0	0	0	49	40	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	75	72	72	69	68	68	67	67	66	58	56	65	66	66	66	62	61	61	60	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
HUH-10-1	73	70	72	71	72	72	72	71	71	67	67	69	68	69	68	67	67	66	66	64	64	64	64	64	64	68	68	68	66	66	66	66	66	66	64	64	64