

ANNEX E

Construction Noise Calculations : Noise Calculations

Tai Wai to Ma On Shan Extension (Further Mitigation Measure) Construction Noise Calculations (L_{night}max) (dB(A))

Table with columns for Activity No., Activity, and noise levels (100-180). Includes sections for A. at-grade, B. Standard Viaduct, C. Special Long Span Viaduct, D. Station, E. Road Improvement Works, F. Interchange, G. Drainage Works, and H. Subway Construction.

Tan Wan to Ma On Shan Extension (Further Mitigation Measure)

Activity No.	100	101	102	109	110	111	113	123	124	126	128	129	133	134	135	136	137	138	139	140	142	144	146	148	149	153	156	158	160	162	164	167	170	171	173	174	175	177	179	180
Use of Quiet Plant and Barriers																																								
A. Station Alignment Construction																																								
Activity No.																																								
100																																								
101	59	59	51	57	58																																			
102	51	51	53	59	54																																			
111	79	76	72	69	69																																			
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
B. Standard Viaduct Construction																																								
Activity No.																																								
100	58	64	63	64	58	62	59																																	
101	65	71	70	71	65	69	65																																	
102	62	68	67	68	62	66	62																																	
105	62	68	67	68	62	66	62																																	
111	56	62	61	62	56	60	56																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
C. Special Long Span Viaduct Construction																																								
Activity No.																																								
100	57	61	60	60	57	61	57																																	
101	64	68	67	68	62	66	62																																	
102	62	68	67	68	62	66	62																																	
104	58	62	61	62	56	60	56																																	
105	50	56	55	56	50	54	50																																	
111	49	53	52	53	47	51	47																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
D. Station Construction																																								
Activity No.																																								
100	65	66	69	63	54	48	50																																	
101	72	73	76	70	61	55	58																																	
102	65	66	69	63	54	48	50																																	
103	65	67	69	64	54	48	51																																	
105	55	57	59	54	48	51	51																																	
111	53	55	57	54	49	51	51																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
E. Road Improvement Works Construction of P.T.I.																																								
Activity No.																																								
100	67	67	67	67	67	67	67																																	
101	70	70	70	70	70	70	70																																	
102	67	67	67	67	67	67	67																																	
103	67	67	67	67	67	67	67																																	
104	67	67	67	67	67	67	67																																	
105	67	67	67	67	67	67	67																																	
111	67	67	67	67	67	67	67																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
F. Further Construction																																								
Activity No.																																								
100	69	69	69	69	69	69	69																																	
101	72	72	72	72	72	72	72																																	
102	69	69	69	69	69	69	69																																	
103	69	69	69	69	69	69	69																																	
104	69	69	69	69	69	69	69																																	
105	69	69	69	69	69	69	69																																	
111	69	69	69	69	69	69	69																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
G. Through-Zones Box Culvert Construction																																								
Activity No.																																								
100	69	69	69	69	69	69	69																																	
101	72	72	72	72	72	72	72																																	
102	69	69	69	69	69	69	69																																	
103	69	69	69	69	69	69	69																																	
104	69	69	69	69	69	69	69																																	
105	69	69	69	69	69	69	69																																	
111	69	69	69	69	69	69	69																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
H. Subway Construction																																								
Activity No.																																								
100	69	69	69	69	69	69	69																																	
101	72	72	72	72	72	72	72																																	
102	69	69	69	69	69	69	69																																	
103	69	69	69	69	69	69	69																																	
104	69	69	69	69	69	69	69																																	
105	69	69	69	69	69	69	69																																	
111	69	69	69	69	69	69	69																																	
Max. Predicted Level (dB)																																								
Max. Predicted Exceedance (dB)																																								
I. Work Area for Railway System Contractors																																								
Activity No.																																								
101																																								

