

APPENDIX 6H

**Predicted Construction
Noise Impacts –
Unmitigated Scenario**

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong
Kong Boundary Crossing Facilities - Investigation
Title : Construction Noise Calculation
Scenario : Unmitigated Scenario

Activities	2010				2011												2012												2013																			
	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							
S16 - Contract Package III (Tunnel Construction on Reclamation)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 - Reclamation for Portion I	0	0	0	0	0	117	117	117	117	117	118	118	118	119	119	119	119	119	119	119	119	119	118	117	117	117	117	118	118	111	114	114	114	114	114	111	0	0	0	0	0	0	0	0	0			
S17 - Reclamation for Portion II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 - Construction for Portion II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102				
S20 - HKBCF Phase 1	121	136	136	136	136	136	136	136	136	139	139	139	139	139	139	139	139	139	139	139	139	138	138	138	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139				
S21 - Reclaim with Airport	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
S22 - HKBCF Phase 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	0	0	0	0	0	0	0	0	0	0	0

Predicted Construction Noise, dB(A)	Max																																									
101 - San Shek Wan	72	0	0	0	0	0	0	0	0	0	0	69	69	69	69	69	69	69	69	70	70	70	70	71	72	72	72	72	71	71	71	71	71	71	71	68	68	68	68	68	68	
102 - San Shek Wan	71	0	0	0	0	0	0	0	0	0	67	67	67	67	67	67	68	68	68	69	70	70	70	70	71	71	71	71	71	70	70	70	70	70	69	68	68	68	68	68	68	
103 - Sha Lo Wan Chung Hau	74	0	0	0	0	0	0	0	0	50	50	71	71	71	72	72	72	72	73	73	73	73	73	72	74	74	74	74	74	74	71	71	71	71	70	70	70	69	70	70	70	
104 - Sha Lo Wan Chung Hau	80	20	20	20	20	20	20	41	50	50	71	71	71	79	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	80	79	79	79	79	79	79	79	59	59	56	56	55
105 - Tin Sun	70	38	38	38	38	53	54	60	66	66	67	68	68	68	68	68	69	68	68	69	69	69	69	69	70	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	69	
106 - Ma Wan Chung	70	42	42	42	42	57	58	64	66	66	66	68	68	68	68	68	69	68	68	69	69	69	69	69	69	70	70	70	70	70	70	69	69	69	69	69	69	69	69	69	69	69
106 - Ma Wan Chung	71	40	40	40	40	59	60	66	67	67	68	69	69	69	69	69	70	69	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
113 - Tung Chung Crescent	74	49	63	63	63	65	66	68	70	70	72	72	72	72	72	73	72	72	73	73	73	73	73	73	73	74	74	74	74	74	73	73	73	73	73	72	72	73	72	72	72	
126 - Scavenger Crescent	72	49	64	63	63	64	65	65	66	69	69	70	70	70	70	71	70	70	71	71	71	71	71	71	71	71	71	71	72	72	72	71	71	71	71	71	71	71	71	71	71	
136 - LeBlou	70	50	65	64	64	65	65	66	69	69	69	70	70	70	70	70	70	70	71	71	71	71	71	71	71	71	71	72	72	72	71	71	71	71	71	71	70	70	70	70	70	70
147 - Caribbean Coast	70	50	65	64	64	65	65	66	69	69	69	70	70	70	70	70	70	70	71	71	71	71	71	71	71	71	71	71	72	72	72	71	71	71	71	71	71	71	71	71	71	71
149 - Ho Yu College (Sik Sik Yue)	71	50	64	64	64	64	65	65	66	69	69	69	70	70	70	70	70	70	71	71	71	71	71	71	71	71	71	71	72	72	72	71	71	71	71	71	71	71	71	71	71	71

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Activities	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
S1 - Contract Package I (Site Preparation & Mobilization) Site Preparation & Mobilization																														
S2 - Contract Package I (Portion I-a) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck Erection of Bridge Deck Travellers / Lanching Gantries Bridge Roadworks and Installation Services TCSS: Installation and Testing																														
S3 - Contract Package I (Portion I-b) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck																														
S4 - Contract Package I (Portion I-c) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck Erection of Bridge Deck Travellers / Lanching Gantries Bridge Roadworks and Installation Services TCSS: Installation and Testing																														
S5 - Contract Package II (Site Preparation & Mobilization) Site Preparation & Mobilization																														
S6 - Contract Package II (Portion II-a) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck Erection of Bridge Travellers / Lanching Gantries Bridge Roadworks and Installation Services TCSS: Installation and Testing																														
S7 - Contract Package II (Portion II-b) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck																														
S8 - Contract Package II (Portion II-c) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck																														
S9 - Contract Package II (Portion II-d) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck																														
S10 - Contract Package II (portion II-e) Piles Construction Pilecaps Construction Pier Construction Construction of Bridge Deck Erection of Bridge Travellers / Lanching Gantries Bridge Roadworks and Installation Services TCSS: Installation and Testing																														
S11 - Contract Package III (Site Preparation & Mobilization) Site Preparation & Mobilization																														
S12 - Contract Package III (Tunnel) Construction at Scenic Hill Preparatory Works Tunnel Excavation & Internal Structure Conain Portal & Ventilation Building at Scenic Hill Roads, TCSS & E&M Works Inside Whole Tunnel																														

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Activities	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						
S15 - Contract Package III (Tunnel Construction on Reclamation)	121	121	121	121	121	121	121	118	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
S16 - Reclamation for Portion I	116	116	116	116	116	116	116	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
S17 - Reclamation for Portion II	121	121	121	121	121	121	121	121	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
S18 - Construction for Portion III	0	0	0	0	0	0	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 - Works Area WA1	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	0	0	0	0	0	0						
S20 - HKBCF Phase 1	138	138	138	138	138	138	138	138	138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
S21 - Roadlink with Airport	129	129	129	129	129	129	129	129	129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
S22 - HKBCF Phase 2	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132						
Predicted Construction Noise, dB(A)	Max																																			
101 - San Shek Wan	72	69	68	67	67	67	67	67	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
102 - San Shek Wan	71	68	68	67	67	67	67	67	58	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
103 - Sha Lo Wan Chung Hau	74	70	70	69	69	69	69	69	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
104 - Sha Lo Wan Chung Hau	80	54	54	54	54	54	54	46	45	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	0	0	0	0	0						
105 - Tin Sun	70	64	64	64	64	64	64	64	64	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	0	0	0	0	0						
105 - Ma Wan Chung	70	65	65	65	65	65	65	65	65	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	0	0	0	0	0	0						
113 - Tung Chung Crescent	71	68	68	68	68	68	68	68	68	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0	0	0	0	0	0						
126 - Seaview Crescent	74	70	70	70	70	70	70	70	70	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	0	0	0	0	0						
135 - LeBlou	72	69	69	69	69	69	69	69	69	61	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58						
147 - Caribbean Coast	70	68	68	68	68	68	68	68	68	62	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59						
149 - Ho Yu College (Sik Sik Yuen)	71	68	68	68	68	68	68	68	68	61	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58						