

APPENDIX 6J

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**Predicted Construction  
Noise Impacts –  
Mitigated Scenario**

Project : 25308-50 Kong-Zuhai-Macao-Bridge Hong  
 Kong Boundary Crossing Facilities - Investigation  
 Title : Construction Noise Calculation  
 Scenario : Mitigated 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					
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 / Lunching 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 / Lunching 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 / Lunching 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 / Lunching 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	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													
S15 - 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	0	0	0	0	0	0			
S16 - Reclamation for Portion I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 - 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	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	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	102	102	102	102	102	102	102	102		
S20 - HKBCF Phase 1	121	132	132	132	132	132	132	132	132	132	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134				
S21 - Roadlink 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	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	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	
Predicted Construction Noise, dB(A)	Max																																																					
101 - San Shek Wan	64	0	0	0	0	0	0	0	0	0	0	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61			
102 - San Shek Wan	63	0	0	0	0	0	0	0	0	0	0	59	59	59	59	59	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
103 - Sha Lo Wan Chung Hau	65	0	0	0	0	0	0	0	0	0	49	49	63	63	63	64	64	65	65	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66		
104 - Sha Lo Wan Chung Hau	72	20	20	20	20	20	20	20	20	35	49	49	63	63	63	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71			
105 - Tin Sum	65	38	38	38	38	38	51	52	52	54	65	65	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
106 - Ma Wan Chung	63	42	42	42	42	42	55	56	56	58	63	63	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
113 - Tung Chung Crescent	64	40	40	40	40	40	58	58	58	59	63	63	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61		
126 - Seawing Crescent	67	49	59	59	59	59	63	63	63	63	65	65	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65		
135 - LeiSau	66	49	60	60	60	60	61	62	62	62	64	64	63	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64		
147 - Caribbean Coast	65	50	61	61	61	61	61	61	61	62	64	64	63	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	
149 - Ho Yu College (Sik Sik Yuen)	65	50	61	60	60	60	61	61	61	61	64	64	63	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64		

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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 / Lunching Gentries 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 / Lunching Gentries 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 / Lunching Gentries 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 / Lunching Gentries Bridge Roadworks and Installation Services TCSS Installation and Testing																														
S11 - Contract Package II (Site Preparation & Mobilization) Site Preparation & Mobilization																														
S12 - Contract Package III (Tunnel Construction at Scenic Hill) Preparatory Works Tunnel Excavation & Internal Structure Conson Portal & Ventilation Building at Scenic Hill Roads, TCSS & E&M Works inside Whole Tunnel																														



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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	Jan	Feb	March	Apr	May	June
S15 - Contract Package III (Tunnel Construction on Reclamation)	115	115	115	115	115	115	115	113	113	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	115	115	115	115	115	115	115	115	115	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	113	113	113	113	113	113	113	113	113	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	102	102	102	102	102	102
S20 - HKBCF Phase 1	131	131	131	131	131	131	131	131	131	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	125	125	125	125	125	125	125	125	125	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	129	129	129	129	130	130	130	130	130	130	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Predicted Construction Noise, dB(A)	Max																													
101 - San Shek Wan	64	61	61	60	60	60	60	60	58	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 - San Shek Wan	60	60	60	60	60	60	60	60	57	57	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	66	62	62	62	62	62	62	59	59	0	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	72	47	47	46	46	46	46	44	44	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
105 - Tin Sum	65	61	61	61	61	61	61	61	61	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
106 - Ma Wan Chung	63	60	60	60	60	60	60	60	60	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	
113 - Tung Chung Crescent	64	61	61	61	61	61	61	61	61	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	
126 - Seaview Crescent	67	64	64	64	64	64	64	64	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
135 - LeBiu	66	63	63	63	63	64	64	64	64	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
147 - Caribbean Coast	65	63	63	63	63	63	63	63	63	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
149 - Ho Yu College (Sik Sik Yuen)	65	63	63	63	63	63	63	63	63	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	

