

## **Appendix 5.5F**

### **Mitigated Construction Noise Impacts (West Portion)**



Project : Central Kowloon Route

Title : Construction Noise Calculation

Scenario : Mitigated Scenario

Subtitle : West Portion

Activities	2015												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	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>Worksite S25</b> 1019 Construct Middle Dwall and Traffic Deck (cross road sections) - Diaphragm Walls 1019 Construct Middle Dwall and Traffic Deck (cross road sections) - Temporary Traffic Deck												107	101	101																							
<b>Worksite S26</b> 1019 Construct Middle Dwall and Traffic Deck (cross road sections) - Diaphragm Walls 1019 Construct Middle Dwall and Traffic Deck (cross road sections) - Temporary Traffic Deck												107	101	101																							
<b>Worksite S27a</b> 1009 Construct Proposed GRF Flyover (two lanes) on Northern Side and the Temporary Deck (From Reclamation Street to Ferry Street) - Foundation and pier 1009 Construct Proposed GRF Flyover (two lanes) on Northern Side and the Temporary Deck (From Reclamation Street to Ferry Street) - Bridge Deck 1009 Construct Proposed GRF Flyover (two lanes) on Northern Side and the Temporary Deck (From Reclamation Street to Ferry Street) - Surfacing, MJ, noise barriers																109	103	103				100															
<b>Worksite S27b</b> 1008 Construct Proposed GRF Flyover (two lanes) on Northern Side and the Temporary Deck (From Temple Street to Reclamation Street) - Foundation and pier 1008 Construct Proposed GRF Flyover (two lanes) on Northern Side and the Temporary Deck (From Temple Street to Reclamation Street) - Bridge Deck 1008 Construct Proposed GRF Flyover (two lanes) on Northern Side and the Temporary Deck (From Temple Street to Reclamation Street) - Surfacing, MJ, noise barriers														109		103	103					100															
<b>Worksite S28</b> 1020 Diversion of Ferry Street Junction																109	109	109																			
<b>Worksite S29</b> 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Piling for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Grouting for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Excavation for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Concreting for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Temporary Traffic Deck																103	105		103	103	103		103														
<b>Worksite S30</b> 1015 Underpinning Works for YMT Police Station - Diaphragm Wall and Transfer Beams 1015 Underpinning Works for YMT Police Station - Underpinning Excavation																109	109	109	109			102															
<b>Worksite S31</b> Decant YMT Police Station																																					
<b>Worksite S32</b> 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Piling for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Grouting for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Excavation for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Concreting for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Temporary Traffic Deck																103	105		103	103	103		103														
<b>Worksite S33</b> 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Piling for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Grouting for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Excavation for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Concreting for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Temporary Traffic Deck																103	105		103	103	103		103														
<b>Worksite S34</b> 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Piling for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Grouting for King Post 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Excavation for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Concreting for Diaphragm Walls 1021 Construct Southern Dwall & Dwall Crossing Ferry Street - Temporary Traffic Deck																103	105		103	103	103		103														
<b>Worksite S35</b> 1013 Demolish Multi-storey Carpark Building (remaining part)																						107	107	107	107	107	107	107									
<b>Worksite S36a</b> 1010 Demolish the Existing Flyover																						105	105	105													
<b>Worksite S36b</b> 1010 Demolish the Existing Flyover																						105	105	105													
<b>Worksite S37a</b> 1012 Construct the Proposed GRF Flyover (the Remain Part from Reclamation Street to Ferry Street) - Foundation and pier 1012 Construct the Proposed GRF Flyover (the Remain Part from Reclamation Street to Ferry Street) - Bridge Deck 1012 Construct the Proposed GRF Flyover (the Remain Part from Reclamation Street to Ferry Street) - Surfacing, MJ, noise barriers																																					
<b>Worksite S37b</b> 1011 Construct the Proposed GRF Flyover (the Remain Part from Temple Street to Reclamation Street) - Foundation and pier 1011 Construct the Proposed GRF Flyover (the Remain Part from Temple Street to Reclamation Street) - Bridge Deck 1011 Construct the Proposed GRF Flyover (the Remain Part from Temple Street to Reclamation Street) - Surfacing, MJ, noise barriers																																					
<b>Worksite S38a</b> 1047 Construct Bridge Connection E, F & G 1048 Construct Bridge Connection E, F & G 1053 Road Works for Connection Roads on West Side of Ferry Street 1054 Landscaping Works																						112	112	112	112	112	112	112									
<b>Worksite S38b</b> 1047 Construct Bridge Connection D 1053 Road Works for Connection Roads on West Side of Ferry Street 1054 Landscaping Works																																					
<b>Worksite S38c</b> 1049 Demolish Temporary Bridge Connection B, B2, C & C2																																					







Project : Central Kowloon Route

Title : Construction Noise Calculation

Scenario : Mitigated Scenario

Subtitle : West Portion

Activities	Max	2015												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	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>Predicted Construction Noise, dB(A)</b>																																						
W-N1A Yau Ma Tei Catholic Primary School (Hoi Wang Road)	70	63	63	65	65	65	66	66	63	63	62	62	62	64	64	67	67	67	67	69	69	69	65	65	67	70	69	69	69	69	66	66	62	62	62	55	55	
W-N2 Charming Garden Block 12	68	62	63	65	65	65	65	62	61	59	59	59	63	63	66	66	66	66	66	67	67	67	63	63	65	68	68	68	68	68	64	64	62	62	62	55	55	
W-N3 Yau Ma Tei Catholic Primary School (Tung Kun Street)	80	64	65	66	66	67	67	65	64	64	63	62	65	65	64	66	66	66	66	64	64	64	64	64	64	63	66	66	66	66	65	65	65	65	65	65	63	63
W-N7 Kum Lam Building	80	78	79	78	78	78	80	79	75	75	72	72	71	72	70	72	74	77	76	76	77	78	77	77	76	76	77	76	76	76	76	76	76	76	77	77	75	75
W-N8 Dickson Building	81	72	72	72	72	72	77	75	73	73	72	69	75	70	72	80	81	80	79	80	80	79	79	79	79	75	78	76	78	76	75	75	75	77	77	75	75	
W-N8A Tak Cheong Building	82	72	73	72	72	72	78	76	75	75	74	71	74	70	71	81	82	81	81	82	80	80	80	76	80	78	80	78	78	78	78	78	79	79	78	78		
W-N10A Alhambra Building (North Facade)	77	72	73	72	72	72	70	69	65	65	70	69	69	70	69	77	72	74	66	66	67	74	74	75	74	74	74	74	74	74	74	67	66	66	66	66		
W-N10B Alhambra Building (West Facade)	75	74	75	74	74	74	70	69	65	65	67	66	66	67	66	70	67	69	66	65	67	74	74	74	74	74	74	74	74	67	66	65	66	65	66	65	65	
W-N11 Hong Kong Community College (HKCC) of the HK	73	68	68	71	71	71	71	69	66	64	64	64	66	66	69	69	69	69	71	71	70	67	67	68	73	73	73	73	73	71	71	70	70	70	60	60		
W-N15 HKMA David Po College	70	60	60	61	61	61	63	63	60	60	59	59	59	58	58	61	61	61	61	66	66	66	64	64	68	70	69	69	69	69	65	65	57	57	57	0	0	
W-N18 Hydan Place	78	77	78	77	77	77	76	76	71	71	70	69	69	70	69	70	70	73	73	72	73	76	76	76	75	75	75	75	73	73	72	72	72	72	74	74	72	72
W-N19 Methodist College	65	65	65	65	65	65	63	60	60	62	61	60	61	60	58	64	62	61	60	60	64	64	65	64	64	64	63	61	60	59	59	59	61	61	59	59		
W-N21 Temple Street No. 56	68	68	68	67	67	67	68	67	64	64	65	63	63	64	63	65	64	65	64	63	64	66	66	67	66	65	67	66	65	64	63	64	63	64	64	63	63	
W-N22 Kamly Court	69	69	69	69	69	69	68	65	65	65	64	63	65	64	65	65	66	65	64	65	67	67	68	67	66	68	67	66	65	64	65	64	66	66	64	64		
W-N23 Hang Wang House	72	71	72	71	71	71	72	71	70	70	65	64	67	65	67	69	69	68	66	67	69	69	70	69	69	70	69	68	70	69	69	67	67	67	68	68	66	66
W-N24 Prosperous Garden Block 5	72	70	71	70	70	71	72	71	70	70	70	65	64	67	65	69	71	71	70	67	67	70	69	70	70	68	71	70	71	69	68	69	68	69	69	67	67	
W-N25A Prosperous Garden Block 1	81	67	68	67	67	68	69	69	67	67	67	66	64	67	66	69	73	73	72	69	69	70	69	69	69	65	71	70	72	71	71	72	71	72	71	71		
W-N31 Shanghai Street No. 217-225	80	79	79	79	79	79	80	79	75	75	72	71	71	72	71	73	73	76	76	76	77	77	77	77	76	77	76	76	76	76	76	76	77	77	76	76		
W-N32 Temple Street No. 95	79	79	79	79	79	79	74	73	69	69	68	68	67	68	67	69	68	71	70	70	71	74	74	75	74	74	74	74	71	70	70	70	71	71	71	70	70	
W-P6 Refuse Collection Point and Street Sleepers' Shelters (Planned)	72	67	69	70	70	70	70	68	68	67	67	67	70	70	70	70	70	70	70	70	67	67	67	71	72	72	72	72	68	68	68	68	68	65	65	65		
W-P9 Planned Residential Area A (Under Construction) (North Facade)	73	67	70	70	70	71	71	69	71	68	68	68	71	71	71	72	71	71	71	71	71	71	68	68	68	72	73	73	73	73	73	73	73	73	73	66	66	
W-P11 Planned Residential Area A (Under Construction) (West Facade)	77	67	69	70	70	71	71	71	68	73	67	67	67	70	70	71	71	71	71	71	71	71	68	68	68	74	74	74	74	74	74	75	75	75	75	75	65	65
W-P12 Planned Residential Area A (Under Construction)	72	64	66	66	66	67	67	67	65	66	65	64	64	67	67	67	72	72	72	67	67	67	64	65	65	66	68	68	68	68	68	67	67	67	67	64	64	

**Project :** Central Kowloon Route

**Title :** Construction Noise Calculation

**Scenario :** Mitigated Scenario

**Subtitle:** West Portion

Activities	2018												2019												2020												
	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	
<b>Worksite S1</b> 1001 Site Establishment, Utility Diversion and Plant Mobilization 1036 Diversion of Existing Box Culverts in adjacent to Hoi Wang Road																																					
<b>Worksite S2</b> 1037 Temporary Shifting of Hoi Wang Road toward West																																					
<b>Worksite S3</b> 1001 Site Establishment, Utility Diversion and Plant Mobilization 1038 Construct Depressed Road Structure - Site Formation, Levelling & Excavation Works 1038 Construct Depressed Road Structure - Construction & Paving Works																																					
<b>Worksite S4</b> 1004 Construct Methodone Clinic																																					
<b>Worksite S5</b> 1005 Decant and demolish existing Jade Market																																					
<b>Worksite S6</b> 1005 Decant and demolish existing Jade Market 1004 Construct Permanent Jade Market																																					
<b>Worksite S7</b> 1003 Construct Temporary Library & Mini-KGO																																					
<b>Worksite S8</b> 1017 Construct Western Access Shaft - Excavation of Diaphragm Walls 1017 Construct Western Access Shaft - Concreting of Diaphragm Wall 1017 Construct Western Access Shaft - Soil Excavation of Access Shaft (covered by traffic deck with opening) 1017 Construct Western Access Shaft - Rock Excavation of Access Shaft (covered by traffic deck with opening) 1017 Construct Western Access Shaft - Cast Bottom Slab (covered by traffic deck with opening)																																					
<b>Worksite S9</b> 1002 Construct Temporary Jade Market																																					
<b>Worksite S10</b> 1040 Filling embankment for the Link Road E, F and Hoi Wang Road 1041 Construct Retaining Wall RWW1, 2, 3 & 4																																					
<b>Worksite S11</b> 1040 Filling embankment for the Link Road E, F, G and Hoi Wang Road 1041 Construct Retaining Wall RWW1, 2, 3 & 4																																					
<b>Worksite S12</b> 1040 Filling embankment for the Link Road E, F, G and Hoi Wang Road 1041 Construct Retaining Wall RWW1, 2, 3 & 4																																					
<b>Worksite S13</b> 1039 Construct Landscape Deck																																					
<b>Worksite S13a</b> 1027 Removal of Excavated Material through West End Portal		108	108	108	108	108	108	108	108	108	108	108																									
<b>Worksite S14</b> 1040 Filling embankment for the Link Road and Hoi Wang Road																																					
<b>Worksite S15</b> 1040 Filling embankment for the Link Road A																																					
<b>Worksite S16a</b> 1018 Construct Middle Dwall and Traffic Deck - Piling for King Post 1018 Construct Middle Dwall and Traffic Deck - Diaphragm Walls 1018 Construct Middle Dwall and Traffic Deck - Temporary Traffic Deck																																					
<b>Worksite S16b</b> 1018 Construct Middle Dwall and Traffic Deck - Piling for King Post 1018 Construct Middle Dwall and Traffic Deck - Diaphragm Walls 1018 Construct Middle Dwall and Traffic Deck - Temporary Traffic Deck																																					
<b>Worksite S17</b> 1006 Decant Library and Government Offices in MSCB																																					
<b>Worksite S18</b> 1007 Demolish Multi-storey Carpark Building (partially)																																					
<b>Worksite S19</b> 1046 Construct Bridge Connection G																																					
<b>Worksite S20</b> 1001 Site Establishment, Utility Diversion and Plant Mobilization 1045 Realign Lin Cheung Road																																					
<b>Worksite S21a</b> 1046 Construct Bridge Connection C and C2																																					
<b>Worksite S21b</b> 1046 Construct Bridge B and B2																																					
<b>Worksite S22</b> 1043 Construct Ventilation Duct 1046 Construct Bridge Connection D																																					
<b>Worksite S23</b> 1001 Site Establishment, Utility Diversion and Plant Mobilization 1044 Construct Western Ventilation Building - Foundation works for Vent Building 1044 Construct Western Ventilation Building - Construction of Superstructure for Ventilation Buildings																																					
<b>Worksite S24a</b> 1042 Construct Noise Barrier and Diversion of Hoi Wang Road																																					
<b>Worksite S24b</b> 1042 Construct Noise Barrier and Diversion of Hoi Wang Road																																					











