

Appendix 4.8D

**Detailed Calculation of
Mitigated Construction Noise
Level of the Project**

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : IHV

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion	52	52																						
1.2	Shifting of WKH and Lin Cheung Road			61	61																				
1.3	Pilling			61	61	61	61	61	61	61															
1.4	Pile Caps			61	61	61	61	61	61	61															
1.5	Piers							60	60	60	60														
1.6	Bridge Decks											61	61	61	61	61	61	61	61						
1.7	Excavation for Retaining Walls					57	57	57	57	57	57														
1.8	Construction of Retaining Walls					59	59	59	59	59	59														
1.9	Backfilling Retaining Walls					60	60	60	60	60	60														
1.10	Road Works																				61	61			
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		52	52	66	66	67	67	68	68	68	68	63	61	61	61	61	61	61	61	61	61	61	0		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : FR

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion	51	51																						
1.2	Shifting of WKH and Lin Cheung Road			60	60																				
1.3	Pilling			60	60	60	60	60	60	60															
1.4	Pile Caps			60	60	60	60	60	60	60															
1.5	Piers							59	59	59	59														
1.6	Bridge Decks											60	60	60	60	60	60	60	60						
1.7	Excavation for Retaining Walls					56	56	56	56	56	56														
1.8	Construction of Retaining Walls					58	58	58	58	58	58														
1.9	Backfilling Retaining Walls					59	59	59	59	59	59														
1.10	Road Works																				60	60			
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		51	51	65	65	66	66	67	67	67	67	62	60	60	60	60	60	60	60	60	60	60	0	0	
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : PAV

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion	53	53																						
1.2	Shifting of WKH and Lin Cheung Road			62	62																				
1.3	Pilling			62	62	62	62	62	62	62															
1.4	Pile Caps			62	62	62	62	62	62	62															
1.5	Piers							60	60	60	60	60													
1.6	Bridge Decks										62	62	62	62	62	62	62	62							
1.7	Excavation for Retaining Walls					58	58	58	58	58	58														
1.8	Construction of Retaining Walls					60	60	60	60	60	60														
1.9	Backfilling Retaining Walls					61	61	61	61	61	61														
1.10	Road Works																				62	62			
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		53	53	67	67	68	68	68	68	68	68	64	62	62	62	62	62	62	62	62	62	62	0		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : CG

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion	50	50																						
1.2	Shifting of WKH and Lin Cheung Road			59	59																				
1.3	Pilling			59	59	59	59	59	59	59															
1.4	Pile Caps			59	59	59	59	59	59	59															
1.5	Piers							58	58	58	58	58													
1.6	Bridge Decks											59	59	59	59	59	59	59	59						
1.7	Excavation for Retaining Walls					55	55	55	55	55	55														
1.8	Construction of Retaining Walls					57	57	57	57	57	57														
1.9	Backfilling Retaining Walls					58	58	58	58	58	58														
1.10	Road Works																				59	59			
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion	52	52	52																					
4.2	Modification of Lin Cheung Road Slip Roads				59	59	59	59																	
4.3	U Structures								58	58	58	58	58	58	58	58	58	58	58						
4.4	Road Works																					59	59		
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		54	54	64	65	66	66	67	66	66	66	63	62	62	62	62	62	62	62	62	62	62	0	0	
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : LKPC

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion	48	48																						
1.2	Shifting of WKH and Lin Cheung Road			57	57																				
1.3	Pilling			58	58	58	58	58	58	58															
1.4	Pile Caps			57	57	57	57	57	57	57															
1.5	Piers							56	56	56	56														
1.6	Bridge Decks											57	57	57	57	57	57	57	57						
1.7	Excavation for Retaining Walls					53	53	53	53	53	53														
1.8	Construction of Retaining Walls					55	55	55	55	55	55														
1.9	Backfilling Retaining Walls					56	56	56	56	56	56														
1.10	Road Works																					57	57		
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion	52	52	52																					
4.2	Modification of Lin Cheung Road Slip Roads				60	60	60	60																	
4.3	U Structures								59	59	59	59	59	59	59	59	59	59	59	59					
4.4	Road Works																					60	60		
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		54	54	62	64	65	65	65	65	65	65	62	61	61	61	61	61	61	61	61	61	62	62	0	
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : YCS

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion	47	47																						
1.2	Shifting of WKH and Lin Cheung Road			56	56																				
1.3	Pilling			57	57	57	57	57	57	57															
1.4	Pile Caps			56	56	56	56	56	56	56															
1.5	Piers							55	55	55	55														
1.6	Bridge Decks											56	56	56	56	56	56	56	56						
1.7	Excavation for Retaining Walls					52	52	52	52	52	52														
1.8	Construction of Retaining Walls					54	54	54	54	54	54														
1.9	Backfilling Retaining Walls					55	55	55	55	55	55														
1.10	Road Works																					56	56		
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion	51	51	51																					
4.2	Modification of Lin Cheung Road Slip Roads				59	59	59	59																	
4.3	U Structures								58	58	58	58	58	58	58	58	58	58	58						
4.4	Road Works																						59	59	
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		53	53	62	63	64	64	64	64	64	64	61	60	60	60	60	60	60	60	60	61	61	0	0	
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : SRT

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion	61	61	61																					
2.2	Pilling				69	69	69	69	69	69	69	69	69	69											
2.3	Pile Caps				68	68	68	68	68	68	68	68	68	68											
2.4	Piers							67	67	67	67	67	67	67											
2.5	Bridge Decks																67	67	67	67	67	67	67	67	
2.6	Road Works																					69	69		
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion	54	54	54																					
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC	62	62	62																					
3.3	Pilling				61	61	61	61	61	61	61	61	61	61											
3.4	Pile Caps				60	60	60	60	60	60	60	60	60	60											
3.5	Piers							60	60	60	60	60	60	60											
3.6	Bridge Decks																60	60	60	60	60	60	60	60	
3.7	Road Works																					62	62		
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		65	65	65	72	72	72	73	73	73	73	73	73	73	68	68	68	68	68	68	72	72	0	0	
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : CLS

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion	58	58	58																					
2.2	Pilling				66	66	66	66	66	66	66	66	66	66											
2.3	Pile Caps				66	66	66	66	66	66	66	66	66	66											
2.4	Piers							64	64	64	64	64	64	64											
2.5	Bridge Decks																64	64	64	64	64	64	64		
2.6	Road Works																					67	67		
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion	60	60	60																					
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC	67	67	67																					
3.3	Pilling				66	66	66	66	66	66	66	66	66	66											
3.4	Pile Caps				66	66	66	66	66	66	66	66	66	66											
3.5	Piers							66	66	66	66	66	66	66											
3.6	Bridge Decks																66	66	66	66	66	66	66		
3.7	Road Works																					67	67		
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal																								
5.2	Road Surface Cleaning																								
5.3	Road Surface Paving																								
5.4	Road Surface Compaction																								
Total SPL, dB(A)		69	69	69	72	72	72	74	74	74	74	74	74	74	68	68	68	68	68	68	72	72	0	0	
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : ASD1

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	70	70	70	70	70	70																		
5.2	Road Surface Cleaning							70	70	70	70	70	70	70	70	70									
5.3	Road Surface Paving																67	67	67	67	67	67	67		
5.4	Road Surface Compaction																62	62	62	62	62	62	62		
Total SPL, dB(A)		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	68	68	68	68	68	68		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : ASD2

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	74	74	74	74	74	74																		
5.2	Road Surface Cleaning							75	75	75	75	75	75	75	75	75									
5.3	Road Surface Paving																72	72	72	72	72	72	72		
5.4	Road Surface Compaction																67	67	67	67	67	67	67		
Total SPL, dB(A)		74	74	74	74	74	74	75	75	75	75	75	75	75	75	75	73	73	73	73	73	73	73		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : FSDO

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	62	62	62	62	62	62																		
5.2	Road Surface Cleaning							62	62	62	62	62	62	62	62	62									
5.3	Road Surface Paving																59	59	59	59	59	59	59		
5.4	Road Surface Compaction																54	54	54	54	54	54	54		
Total SPL, dB(A)		62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	60	60	60	60	60	60		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : ASC

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	69	69	69	69	69	69																		
5.2	Road Surface Cleaning							69	69	69	69	69	69	69	69	69									
5.3	Road Surface Paving																66	66	66	66	66	66	66		
5.4	Road Surface Compaction																61	61	61	61	61	61	61		
Total SPL, dB(A)		69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	68	68	68	68	68	68	68		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : LCMS

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	61	61	61	61	61	61																		
5.2	Road Surface Cleaning							61	61	61	61	61	61	61	61	61									
5.3	Road Surface Paving																58	58	58	58	58	58	58		
5.4	Road Surface Compaction																53	53	53	53	53	53	53		
Total SPL, dB(A)		61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	59	59	59	59	59	59		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : VT

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	61	61	61	61	61	61																		
5.2	Road Surface Cleaning							61	61	61	61	61	61	61	61	61									
5.3	Road Surface Paving																58	58	58	58	58	58	58		
5.4	Road Surface Compaction																53	53	53	53	53	53	53		
Total SPL, dB(A)		61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	60	60	60	60		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : GB

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	64	64	64	64	64	64																		
5.2	Road Surface Cleaning							64	64	64	64	64	64	64	64	64									
5.3	Road Surface Paving																61	61	61	61	61	61	61		
5.4	Road Surface Compaction																56	56	56	56	56	56	56		
Total SPL, dB(A)		64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	62	62	62	62	62	62		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.

Appendix 4.8D - Construction Noise Calculation - Mitigated Scenario

NSR : YTB

Stage		SPL (dB(A))																							
		2014												2015											
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Scheme H(A) - Hoi Po Road to West Kowloon Highway																									
1.1	Site Preparation and Utility Diversion																								
1.2	Shifting of WKH and Lin Cheung Road																								
1.3	Pilling																								
1.4	Pile Caps																								
1.5	Piers																								
1.6	Bridge Decks																								
1.7	Excavation for Retaining Walls																								
1.8	Construction of Retaining Walls																								
1.9	Backfilling Retaining Walls																								
1.10	Road Works																								
Scheme H(B) - Widening of Elevated Nga Cheung Road																									
2.1	Site Preparation and Utility Diversion																								
2.2	Pilling																								
2.3	Pile Caps																								
2.4	Piers																								
2.5	Bridge Decks																								
2.6	Road Works																								
Scheme I - U turn to West Harbour Crossing																									
3.1	Site Preparation and Utility Diversion																								
3.2	Shifting the Approach Roads and Close the Fast Lane of WHC																								
3.3	Pilling																								
3.4	Pile Caps																								
3.5	Piers																								
3.6	Bridge Decks																								
3.7	Road Works																								
Scheme J - Lin Cheung Road to Nga Cheung Road																									
4.1	Site Preparation and Utility Diversion																								
4.2	Modification of Lin Cheung Road Slip Roads																								
4.3	U Structures																								
4.4	Road Works																								
Scheme Q and Improvement Works at the Junction of CR/FS/JR																									
5.1	Road Surface Removal	72	72	72	72	72	72																		
5.2	Road Surface Cleaning							72	72	72	72	72	72	72	72	72									
5.3	Road Surface Paving																69	69	69	69	69	69	69		
5.4	Road Surface Compaction																64	64	64	64	64	64	64		
Total SPL, dB(A)		72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	71	71	71	71	71		
Exceedance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Remarks:

For the calculation of sound pressure levels (SPL), the PMEs are assumed to be placed at the notional source position according to the "Technical Memorandum on Noise from Construction Work other than Percussive Piling" by EPD.