

Annex C7

Construction Noise Impact Assessment (Without Mitigation)

Annex C7-1 Summary of Predicted Noise Levels during Daytime Period (Without Mitigation)
(Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)

	NSR Location	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)	
		2009	2010												2011												
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec
JCCA1	Jockey Club Care & Attention Home – western facade	72	72	72	73	73	75	75	77	77	77	77	77	74	75	75	75	72	72	72	72	69	69	65	65	77	
JCCA2	Jockey Club Care & Attention Home – southern facade	72	72	72	73	73	75	75	77	77	77	77	77	73	74	73	73	69	69	69	69	69	65	65	54	54	77
KMYS1	Kwong Ming Ying Loi School	68	68	68	70	70	70	70	71	71	78	78	79	79	79	81	81	82	82	82	82	82	76	76	62	62	82
KMYS2	Kwong Ming Ying Loi School	67	67	67	69	69	69	71	71	73	78	78	78	78	78	80	80	81	81	81	81	81	75	75	51	51	81
STNV1	Small Traders New Village	65	65	65	66	66	68	68	70	70	70	70	70	68	68	78	78	65	65	65	65	65	67	67	66	66	78
V1	Village house facing slip road (south bound) of Yuen Long Highway -	68	68	68	69	69	70	71	71	72	74	74	74	74	74	73	73	73	73	73	73	73	68	68	60	60	74
V2	Village house facing slip road (south bound) of Yuen Long Highway -	69	69	69	70	70	71	72	72	73	75	75	76	75	76	75	75	75	75	75	75	75	70	70	60	60	76
V3	Village house at Chuk San Tsuen	70	70	70	71	71	71	73	74	75	76	76	76	76	76	69	69	62	62	62	62	62	57	57	43	43	76
V6	Village house at Hoover Garden	64	64	64	65	65	65	67	67	69	70	70	70	70	70	68	68	69	69	69	69	69	63	63	54	54	70
WUT1	178 Wong Uk Tsuen	65	65	65	67	67	68	68	70	70	71	70	71	68	69	70	70	66	66	66	66	66	78	78	78	78	78
YT1	Block 2, YOHO Town	63	63	63	65	65	65	66	67	68	69	69	70	70	70	70	70	70	70	70	70	70	65	65	59	59	70

**Annex C7-2 Summary of Predicted Cumulative Noise Levels during Daytime Period (Without Mitigation)
(Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)**

	NSR Location	Predicted Cumulative Construction Noise Level (dB(A))																								Max. CNL dB(A)	
		2009	2010												2011												
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec
JCCA1	Jockey Club Care & Attention Home – western facade	72	73	73	74	74	76	76	77	77	78	77	77	74	75	75	75	72	72	72	72	72	69	69	65	65	78
JCCA2	Jockey Club Care & Attention Home – southern facade	72	73	73	74	74	76	76	77	77	77	77	77	74	74	73	73	69	69	69	69	69	65	65	54	54	77
KMYS1	Kwong Ming Ying Loi School	69	73	73	73	74	75	75	71	72	78	78	79	79	79	81	81	82	82	82	82	82	76	76	62	62	82
KMYS2	Kwong Ming Ying Loi School	67	68	68	69	69	69	71	71	73	78	78	78	78	78	80	80	81	81	81	81	81	75	75	51	51	81
STNV1	Small Traders New Village	71	71	71	71	73	73	73	74	74	74	72	72	71	71	79	79	65	65	65	65	65	67	67	66	66	79
V1	Village house facing slip road (south bound) of Yuen Long Highway -	68	69	69	70	71	71	72	72	72	74	74	74	74	74	73	73	73	73	73	73	73	68	68	60	60	74
V2	Village house facing slip road (south bound) of Yuen Long Highway -	71	72	72	72	73	74	74	74	75	76	76	76	76	76	76	76	75	75	75	75	75	70	70	60	60	76
V3	Village house at Chuk San Tsuen	70	70	70	71	71	71	74	74	75	76	76	76	76	76	69	69	62	62	62	62	62	57	57	43	43	76
V6	Village house at Hoover Garden	64	65	65	66	66	66	68	67	69	70	70	70	70	70	69	69	69	69	69	69	69	63	63	54	54	70
WUT1	178 Wong Uk Tsuen	78	79	79	79	80	81	81	81	81	81	77	77	77	77	77	77	66	66	66	66	66	78	78	78	78	81
YT1	Block 2, YOHO Town	64	66	66	67	67	68	68	67	68	70	70	70	70	70	70	70	70	70	70	70	70	65	65	59	59	70

Annex C7-3

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)

NSR: JCCAHI Jockey Club Care & Attention Home – western facade

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)		
							2009	2010												2011													
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec	
DESIGNATED PROJECT																																	
Improvement to Pok Oi Interchange																																	
I	Flyover A																																
1	Site clearance	113	165	-52	0	3	63	63	63																								
3	Piling	115	165	-52	0	3																											
4	Road drainage, utilities & water mains works	116	165	-52	0	3																											
8	Construct pilecaps and piers	118	165	-52	0	3																											
9	Construct flyover	114	165	-52	0	3																											
10	Install concrete parapets and planters	113	165	-52	0	3																											
13	Pavement construction	112	165	-52	0	3																											
II	Slip Road A																																
1	Site clearance	113	215	-55	0	3																											
2	Site formation	114	215	-55	0	3																											
4	Road drainage, utilities & water mains works	116	215	-55	0	3																											
5	Construct retaining walls, abutments and embankment	118	215	-55	0	3																											
13	Pavement construction	112	215	-55	0	3																											
III	Slip Road B																																
1	Site clearance	113	160	-52	0	3																											
2	Site formation	114	160	-52	0	3																											
4	Road drainage, utilities & water mains works	116	160	-52	0	3																											
5	Construct retaining walls, abutments and embankment	118	160	-52	0	3																											
13	Pavement construction	112	160	-52	0	3																											
IV	Slip Road C																																
1	Site clearance	113	415	-60	0	3	55	55	55																								
2	Site formation	114	415	-60	0	3																											
4	Road drainage, utilities & water mains works	116	415	-60	0	3																											
5	Construct retaining walls, abutments and embankment	118	415	-60	0	3																											
13	Pavement construction	112	415	-60	0	3																											
V	Left-turn Lane A																																
1	Site clearance	113	70	-45	0	3	71	71	71																								
2	Site formation	114	70	-45	0	3																											
4	Road drainage, utilities & water mains works	116	70	-45	0	3																											
5	Construct retaining walls, abutments and embankment	118	70	-45	0	3																											
7	Extend subway	118	70	-45	0	3																											
10	Install concrete parapets and planters	113	70	-45	0	3																											
6	Demolish existing structures	114	70	-45	0	3																											
13	Pavement construction	112	70	-45	0	3																											
VI	Road Resurfacing and Remarking A																																
11	Road resurfacing and remarking	115	140	-51	0	3																											
VII	Road Resurfacing and Remarking B																																
11	Road resurfacing and remarking	115	180	-53	0	3																											
CONCURRENT PROJECTS																																	
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																																	
1	Site formation	113	250	-56	0	3																											
2	Box culvert	114	250	-56	0	3																											
3	Retaining wall construction & associated works	115	250	-56	0	3																											
4	Road embankment	116	250	-56	0	3	63	63	63	63																							
5	Road drainage, utilities & water mains works	118	250	-56	0	3																											
6	Pavement construction	114	250	-56	0	3																											
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																																	
1	Site formation	113	210	-54	0	3																											
5	Road drainage, utilities & water mains works	114	210	-54	0	3																											
6	Pavement construction	112	210	-54	0	3																											
Predicted Noise Level during Daytime Period, dB(A)							72	72	72	73	73	75	75	77	77	77	77	77	77	74	75	75	75	72	72	72	72	72	69	69	65	65	77
Predicted Cumulative Noise Level during Daytime Period, dB(A)							72	73	73	74	74	76	76	77	77	78	77	77	74	75	75	75	72	72	72	72	72	72	69	69	65	65	78

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-4

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)

NSR: JCCA2 Jockey Club Care & Attention Home – southern facade

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	175	-53	0	3	63	63	63																						
3	Piling	115	175	-53	0	3																									
4	Road drainage, utilities & water mains works	116	175	-53	0	3																									
8	Construct pilecaps and piers	118	175	-53	0	3																									
9	Construct flyover	114	175	-53	0	3																									
10	Install concrete parapets and planters	113	175	-53	0	3																									
13	Pavement construction	112	175	-53	0	3																									
II	Slip Road A																														
1	Site clearance	113	220	-55	0	3																									
2	Site formation	114	220	-55	0	3																									
4	Road drainage, utilities & water mains works	116	220	-55	0	3																									
5	Construct retaining walls, abutments and embankment	118	220	-55	0	3																									
13	Pavement construction	112	220	-55	0	3																									
III	Slip Road B																														
1	Site clearance	113	170	-53	-10	3																									
2	Site formation	114	170	-53	-10	3																									
4	Road drainage, utilities & water mains works	116	170	-53	-10	3																									
5	Construct retaining walls, abutments and embankment	118	170	-53	-10	3																									
13	Pavement construction	112	170	-53	-10	3																									
IV	Slip Road C																														
1	Site clearance	113	405	-60	0	3	56	56	56																						
2	Site formation	114	405	-60	0	3																									
4	Road drainage, utilities & water mains works	116	405	-60	0	3																									
5	Construct retaining walls, abutments and embankment	118	405	-60	0	3																									
13	Pavement construction	112	405	-60	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	70	-45	0	3	71	71	71																						
2	Site formation	114	70	-45	0	3																									
4	Road drainage, utilities & water mains works	116	70	-45	0	3																									
5	Construct retaining walls, abutments and embankment	118	70	-45	0	3																									
7	Extend subway	118	70	-45	0	3																									
10	Install concrete parapets and planters	113	70	-45	0	3																									
6	Demolish existing structures	114	70	-45	0	3																									
13	Pavement construction	112	70	-45	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	150	-52	-10	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	190	-54	-10	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	260	-56	0	3																									
2	Box culvert	114	260	-56	0	3																									
3	Retaining wall construction & associated works	115	260	-56	0	3																									
4	Road embankment	116	260	-56	0	3	63	63	63	63																					
5	Road drainage, utilities & water mains works	118	260	-56	0	3																									
6	Pavement construction	114	260	-56	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	215	-55	0	3																									
5	Road drainage, utilities & water mains works	114	215	-55	0	3																									
6	Pavement construction	112	215	-55	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							72	72	72	73	73	75	75	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77			
Predicted Cumulative Noise Level during Daytime Period, dB(A)							72	73	73	74	74	76	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	

Note:

- [1] Distance Correction for PMEs = $10 \cdot \log(2 \cdot \pi \cdot r^2)$
- [2] The figures are rounded-up to a whole number.
- [3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-5

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)

NSR: KMYLS1 Kwong Ming Ying Loi School

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	115	-49	0	3	67	67	67																						
3	Piling	115	115	-49	0	3																									
4	Road drainage, utilities & water mains works	116	115	-49	0	3				68	68	68	68	68																	
8	Construct pilecaps and piers	118	115	-49	0	3																									
9	Construct flyover	114	115	-49	0	3																									
10	Install concrete parapets and planters	113	115	-49	0	3																									
13	Pavement construction	112	115	-49	0	3																									
II	Slip Road A																														
1	Site clearance	113	38	-40	0	3																									
2	Site formation	114	38	-40	0	3																									
4	Road drainage, utilities & water mains works	116	38	-40	0	3																									
5	Construct retaining walls, abutments and embankment	118	38	-40	0	3																									
13	Pavement construction	112	38	-40	0	3																									
III	Slip Road B																														
1	Site clearance	113	255	-56	0	3																									
2	Site formation	114	255	-56	0	3																									
4	Road drainage, utilities & water mains works	116	255	-56	0	3																									
5	Construct retaining walls, abutments and embankment	118	255	-56	0	3																									
13	Pavement construction	112	255	-56	0	3																									
IV	Slip Road C																														
1	Site clearance	113	130	-50	-10	3	56	56	56																						
2	Site formation	114	130	-50	-10	3																									
4	Road drainage, utilities & water mains works	116	130	-50	-10	3																									
5	Construct retaining walls, abutments and embankment	118	130	-50	-10	3																									
13	Pavement construction	112	130	-50	-10	3																									
V	Left-turn Lane A																														
1	Site clearance	113	220	-55	0	3	61	61	61																						
2	Site formation	114	220	-55	0	3																									
4	Road drainage, utilities & water mains works	116	220	-55	0	3																									
5	Construct retaining walls, abutments and embankment	118	220	-55	0	3																									
7	Extend subway	118	220	-55	0	3																									
10	Install concrete parapets and planters	113	220	-55	0	3																									
6	Demolish existing structures	114	220	-55	0	3																									
13	Pavement construction	112	220	-55	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	330	-58	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	250	-56	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	360	-59	0	3																									
2	Box culvert	114	360	-59	0	3																									
3	Retaining wall construction & associated works	115	360	-59	0	3																									
4	Road embankment	116	360	-59	0	3																									
5	Road drainage, utilities & water mains works	118	360	-59	0	3																									
6	Pavement construction	114	360	-59	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	70	-45	0	3																									
5	Road drainage, utilities & water mains works	114	70	-45	0	3																									
6	Pavement construction	112	70	-45	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							68	68	68	70	70	70	70	71	71	78	78	79	79	79	79	79	79	79	79	79	79	82			
Predicted Cumulative Noise Level during Daytime Period, dB(A)							69	73	73	73	74	75	75	71	72	78	78	79	79	79	79	79	79	79	79	79	79	79	79	82	

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-11

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)

NSR: V6 Village house at Hoover Garden

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	480	-62	0	3	54	54	54																						
3	Piling	115	480	-62	0	3				56	56	56	56	56	56																
4	Road drainage, utilities & water mains works	116	480	-62	0	3																									
8	Construct pilecaps and piers	118	480	-62	0	3																									
9	Construct flyover	114	480	-62	0	3																									
10	Install concrete parapets and planters	113	480	-62	0	3																									
13	Pavement construction	112	480	-62	0	3																									
II	Slip Road A																														
1	Site clearance	113	180	-53	0	3																									
2	Site formation	114	180	-53	0	3																									
4	Road drainage, utilities & water mains works	116	180	-53	0	3																									
5	Construct retaining walls, abutments and embankment	118	180	-53	0	3																									
13	Pavement construction	112	180	-53	0	3																									
III	Slip Road B																														
1	Site clearance	113	620	-64	0	3																									
2	Site formation	114	620	-64	0	3																									
4	Road drainage, utilities & water mains works	116	620	-64	0	3																									
5	Construct retaining walls, abutments and embankment	118	620	-64	0	3																									
13	Pavement construction	112	620	-64	0	3																									
IV	Slip Road C																														
1	Site clearance	113	180	-53	0	3	63	63	63																						
2	Site formation	114	180	-53	0	3																									
4	Road drainage, utilities & water mains works	116	180	-53	0	3																									
5	Construct retaining walls, abutments and embankment	118	180	-53	0	3																									
13	Pavement construction	112	180	-53	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	600	-64	0	3	52	52	52																						
2	Site formation	114	600	-64	0	3																									
4	Road drainage, utilities & water mains works	116	600	-64	0	3																									
5	Construct retaining walls, abutments and embankment	118	600	-64	0	3																									
7	Extend subway	118	600	-64	0	3																									
10	Install concrete parapets and planters	113	600	-64	0	3																									
6	Demolish existing structures	114	600	-64	0	3																									
13	Pavement construction	112	600	-64	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	710	-65	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	600	-64	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	810	-66	0	3																									
2	Box culvert	114	810	-66	0	3																									
3	Retaining wall construction & associated works	115	810	-66	0	3																									
4	Road embankment	116	810	-66	0	3	53	53	53	53																					
5	Road drainage, utilities & water mains works	118	810	-66	0	3																									
6	Pavement construction	114	810	-66	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	425	-61	0	3																									
5	Road drainage, utilities & water mains works	114	425	-61	0	3																									
6	Pavement construction	112	425	-61	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							64	64	64	65	65	65	67	67	69	70	70	70	70	70	70	70	70	70	70	70	70				
Predicted Cumulative Noise Level during Daytime Period, dB(A)							64	65	65	66	66	66	68	67	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70		

Note:

- [1] Distance Correction for PMEs = 10*log(2*PI*r²)
- [2] The figures are rounded-up to a whole number.
- [3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-13

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 1 - Precast Segmental Balanced Cantilever Box Girder)

NSR: YTI Block 2, YOHO Town

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	250	-56	0	3	60	60	60																						
3	Piling	115	250	-56	0	3																									
4	Road drainage, utilities & water mains works	116	250	-56	0	3				62	62	62	62	62	62																
8	Construct pilecaps and piers	118	250	-56	0	3																									
9	Construct flyover	114	250	-56	0	3																									
10	Install concrete parapets and planters	113	250	-56	0	3																									
13	Pavement construction	112	250	-56	0	3																									
II	Slip Road A																														
1	Site clearance	113	175	-53	0	3																									
2	Site formation	114	175	-53	0	3																									
4	Road drainage, utilities & water mains works	116	175	-53	0	3																									
5	Construct retaining walls, abutments and embankment	118	175	-53	0	3																									
13	Pavement construction	112	175	-53	0	3																									
III	Slip Road B																														
1	Site clearance	113	365	-59	0	3																									
2	Site formation	114	365	-59	0	3																									
4	Road drainage, utilities & water mains works	116	365	-59	0	3																									
5	Construct retaining walls, abutments and embankment	118	365	-59	0	3																									
13	Pavement construction	112	365	-59	0	3																									
IV	Slip Road C																														
1	Site clearance	113	280	-57	0	3	59	59	59																						
2	Site formation	114	280	-57	0	3																									
4	Road drainage, utilities & water mains works	116	280	-57	0	3																									
5	Construct retaining walls, abutments and embankment	118	280	-57	0	3																									
13	Pavement construction	112	280	-57	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	375	-59	0	3	56	56	56																						
2	Site formation	114	375	-59	0	3																									
4	Road drainage, utilities & water mains works	116	375	-59	0	3																									
5	Construct retaining walls, abutments and embankment	118	375	-59	0	3																									
7	Extend subway	118	375	-59	0	3																									
10	Install concrete parapets and planters	113	375	-59	0	3																									
6	Demolish existing structures	114	375	-59	0	3																									
13	Pavement construction	112	375	-59	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	460	-61	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	345	-59	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	530	-62	0	3																									
2	Box culvert	114	530	-62	0	3																									
3	Retaining wall construction & associated works	115	530	-62	0	3																									
4	Road embankment	116	530	-62	0	3	57	57	57	57																					
5	Road drainage, utilities & water mains works	118	530	-62	0	3																									
6	Pavement construction	114	530	-62	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	220	-55	0	3																									
5	Road drainage, utilities & water mains works	114	220	-55	0	3																									
6	Pavement construction	112	220	-55	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							63	63	63	65	65	65	66	67	68	69	69	70	70	70	70	70	70	70	70	70	70	70			
Predicted Cumulative Noise Level during Daytime Period, dB(A)							64	66	66	67	67	68	68	67	68	70	70	70	70	70	70	70	70	70	70	70	70	70	70		

Note:

- [1] Distance Correction for PMEs = 10*log(2*PI*r²)
- [2] The figures are rounded-up to a whole number.
- [3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-14 Summary of Predicted Noise Levels during Daytime Period (Without Mitigation)
(Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

	NSR Location	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)	
		2009	2010												2011												
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec
JCCA1	Jockey Club Care & Attention Home – western facade	72	72	72	73	73	75	75	77	77	77	77	77	74	75	75	75	73	73	73	73	73	69	69	67	67	77
JCCA2	Jockey Club Care & Attention Home – southern facade	72	72	72	73	73	75	75	77	77	77	77	77	73	74	73	73	71	71	71	71	71	65	65	62	62	77
KMYS1	Kwong Ming Ying Loi School	68	68	68	70	70	70	70	71	71	78	78	79	79	79	81	81	82	82	82	82	82	76	76	67	67	82
KMYS2	Kwong Ming Ying Loi School	67	67	67	69	69	69	71	71	73	78	78	78	78	78	80	80	81	81	81	81	81	75	75	56	56	81
STNV1	Small Traders New Village	65	65	65	66	66	68	68	70	70	70	70	68	68	78	78	67	67	67	67	67	67	67	67	66	66	78
V1	Village house facing slip road (south bound) of Yuen Long Highway -	68	68	68	69	69	70	71	71	72	74	74	74	74	74	73	73	74	74	74	74	74	68	68	64	64	74
V2	Village house facing slip road (south bound) of Yuen Long Highway -	69	69	69	70	70	71	72	72	73	75	75	76	75	76	75	75	76	76	76	76	76	70	70	64	64	76
V3	Village house at Chuk San Tsuen	70	70	70	71	71	71	73	74	75	76	76	76	76	76	69	69	63	63	63	63	63	57	57	53	53	76
V6	Village house at Hoover Garden	64	64	64	65	65	65	67	67	69	70	70	70	70	70	68	68	69	69	69	69	69	63	63	57	57	70
WUT1	178 Wong Uk Tsuen	65	65	65	67	67	68	68	70	70	71	70	71	68	69	70	70	68	68	68	68	68	78	78	78	78	78
YT1	Block 2, YOHO Town	63	63	63	65	65	65	66	67	68	69	69	70	70	70	70	70	71	71	71	71	71	66	66	62	62	71

**Annex C7-15 Summary of Predicted Cumulative Noise Levels during Daytime Period (Without Mitigation)
(Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)**

	NSR Location	Predicted Cumulative Construction Noise Level (dB(A))																								Max. CNL dB(A)	
		2009	2010												2011												
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec
JCCA1	Jockey Club Care & Attention Home – western facade	72	73	73	74	74	76	76	77	77	78	77	77	74	75	75	75	73	73	73	73	69	69	67	67	78	
JCCA2	Jockey Club Care & Attention Home – southern facade	72	73	73	74	74	76	76	77	77	77	77	77	74	74	73	73	71	71	71	71	71	65	65	62	62	77
KMYS1	Kwong Ming Ying Loi School	69	73	73	73	74	75	75	71	72	78	78	79	79	79	81	81	82	82	82	82	82	76	76	67	67	82
KMYS2	Kwong Ming Ying Loi School	67	68	68	69	69	69	71	71	73	78	78	78	78	78	80	80	81	81	81	81	81	75	75	56	56	81
STNV1	Small Traders New Village	71	71	71	71	73	73	73	74	74	74	72	72	71	71	79	79	67	67	67	67	67	67	67	66	66	79
V1	Village house facing slip road (south bound) of Yuen Long Highway -	68	69	69	70	71	71	72	72	72	74	74	74	74	74	73	73	74	74	74	74	74	68	68	64	64	74
V2	Village house facing slip road (south bound) of Yuen Long Highway -	71	72	72	72	73	74	74	74	75	76	76	76	76	76	76	76	76	76	76	76	76	70	70	64	64	76
V3	Village house at Chuk San Tsuen	70	70	70	71	71	71	74	74	75	76	76	76	76	76	69	69	63	63	63	63	63	57	57	53	53	76
V6	Village house at Hoover Garden	64	65	65	66	66	66	68	67	69	70	70	70	70	70	69	69	69	69	69	69	69	63	63	57	57	70
WUT1	178 Wong Uk Tsuen	78	79	79	79	80	81	81	81	81	81	77	77	77	77	77	77	68	68	68	68	68	78	78	78	78	81
YT1	Block 2, YOHO Town	64	66	66	67	67	68	68	67	68	70	70	70	70	70	70	70	71	71	71	71	71	66	66	62	62	71

Annex C7-16

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: JCCAHI Jockey Club Care & Attention Home – western facade

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)		
							2009	2010												2011													
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec	
DESIGNATED PROJECT																																	
Improvement to Pok Oi Interchange																																	
I	Flyover A																																
1	Site clearance	113	165	-52	0	3	63	63	63																								
3	Piling	115	165	-52	0	3																											
4	Road drainage, utilities & water mains works	116	165	-52	0	3																											
8	Construct pilecaps and piers	118	165	-52	0	3																											
9	Construct flyover	119	165	-52	0	3																											
10	Install concrete parapets and planters	113	165	-52	0	3																											
13	Pavement construction	112	165	-52	0	3																											
II	Slip Road A																																
1	Site clearance	113	215	-55	0	3																											
2	Site formation	114	215	-55	0	3																											
4	Road drainage, utilities & water mains works	116	215	-55	0	3																											
5	Construct retaining walls, abutments and embankment	118	215	-55	0	3																											
13	Pavement construction	112	215	-55	0	3																											
III	Slip Road B																																
1	Site clearance	113	160	-52	0	3																											
2	Site formation	114	160	-52	0	3																											
4	Road drainage, utilities & water mains works	116	160	-52	0	3																											
5	Construct retaining walls, abutments and embankment	118	160	-52	0	3																											
13	Pavement construction	112	160	-52	0	3																											
IV	Slip Road C																																
1	Site clearance	113	415	-60	0	3	55	55	55																								
2	Site formation	114	415	-60	0	3																											
4	Road drainage, utilities & water mains works	116	415	-60	0	3																											
5	Construct retaining walls, abutments and embankment	118	415	-60	0	3																											
13	Pavement construction	112	415	-60	0	3																											
V	Left-turn Lane A																																
1	Site clearance	113	70	-45	0	3	71	71	71																								
2	Site formation	114	70	-45	0	3																											
4	Road drainage, utilities & water mains works	116	70	-45	0	3																											
5	Construct retaining walls, abutments and embankment	118	70	-45	0	3																											
7	Extend subway	118	70	-45	0	3																											
10	Install concrete parapets and planters	113	70	-45	0	3																											
6	Demolish existing structures	114	70	-45	0	3																											
13	Pavement construction	112	70	-45	0	3																											
VI	Road Resurfacing and Remarking A																																
11	Road resurfacing and remarking	115	140	-51	0	3																											
VII	Road Resurfacing and Remarking B																																
11	Road resurfacing and remarking	115	180	-53	0	3																											
CONCURRENT PROJECTS																																	
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																																	
1	Site formation	113	250	-56	0	3																											
2	Box culvert	114	250	-56	0	3																											
3	Retaining wall construction & associated works	115	250	-56	0	3																											
4	Road embankment	116	250	-56	0	3	63	63	63	63																							
5	Road drainage, utilities & water mains works	118	250	-56	0	3																											
6	Pavement construction	114	250	-56	0	3																											
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																																	
1	Site formation	113	210	-54	0	3																											
5	Road drainage, utilities & water mains works	114	210	-54	0	3																											
6	Pavement construction	112	210	-54	0	3																											
Predicted Noise Level during Daytime Period, dB(A)							72	72	72	73	73	75	75	77	77	77	77	77	77	74	75	75	75	73	73	73	73	73	69	69	67	67	77
Predicted Cumulative Noise Level during Daytime Period, dB(A)							72	73	73	74	74	76	76	77	77	78	77	77	74	75	75	75	73	73	73	73	73	73	69	69	67	67	78

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-17

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: JCCA2 Jockey Club Care & Attention Home – southern facade

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	175	-53	0	3	63	63	63																						
3	Piling	115	175	-53	0	3																									
4	Road drainage, utilities & water mains works	116	175	-53	0	3																									
8	Construct pilecaps and piers	118	175	-53	0	3																									
9	Construct flyover	119	175	-53	0	3																									
10	Install concrete parapets and planters	113	175	-53	0	3																									
13	Pavement construction	112	175	-53	0	3																									
II	Slip Road A																														
1	Site clearance	113	220	-55	0	3																									
2	Site formation	114	220	-55	0	3																									
4	Road drainage, utilities & water mains works	116	220	-55	0	3																									
5	Construct retaining walls, abutments and embankment	118	220	-55	0	3																									
13	Pavement construction	112	220	-55	0	3																									
III	Slip Road B																														
1	Site clearance	113	170	-53	-10	3																									
2	Site formation	114	170	-53	-10	3																									
4	Road drainage, utilities & water mains works	116	170	-53	-10	3																									
5	Construct retaining walls, abutments and embankment	118	170	-53	-10	3																									
13	Pavement construction	112	170	-53	-10	3																									
IV	Slip Road C																														
1	Site clearance	113	405	-60	0	3	56	56	56																						
2	Site formation	114	405	-60	0	3																									
4	Road drainage, utilities & water mains works	116	405	-60	0	3																									
5	Construct retaining walls, abutments and embankment	118	405	-60	0	3																									
13	Pavement construction	112	405	-60	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	70	-45	0	3	71	71	71																						
2	Site formation	114	70	-45	0	3																									
4	Road drainage, utilities & water mains works	116	70	-45	0	3																									
5	Construct retaining walls, abutments and embankment	118	70	-45	0	3																									
7	Extend subway	118	70	-45	0	3																									
10	Install concrete parapets and planters	113	70	-45	0	3																									
6	Demolish existing structures	114	70	-45	0	3																									
13	Pavement construction	112	70	-45	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	150	-52	-10	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	190	-54	-10	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	260	-56	0	3																									
2	Box culvert	114	260	-56	0	3																									
3	Retaining wall construction & associated works	115	260	-56	0	3																									
4	Road embankment	116	260	-56	0	3	63	63	63	63																					
5	Road drainage, utilities & water mains works	118	260	-56	0	3																									
6	Pavement construction	114	260	-56	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	215	-55	0	3																									
5	Road drainage, utilities & water mains works	114	215	-55	0	3																									
6	Pavement construction	112	215	-55	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							72	72	72	73	73	75	75	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77			
Predicted Cumulative Noise Level during Daytime Period, dB(A)							72	73	73	74	74	76	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77		

Note:

- [1] Distance Correction for PMEs = $10 \cdot \log(2 \cdot \pi \cdot r^2)$
- [2] The figures are rounded-up to a whole number.
- [3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-18

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: KMYLS1 Kwong Ming Ying Loi School

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	115	-49	0	3	67	67	67																						
3	Piling	115	115	-49	0	3																									
4	Road drainage, utilities & water mains works	116	115	-49	0	3																									
8	Construct pilecaps and piers	118	115	-49	0	3																									
9	Construct flyover	119	115	-49	0	3																									
10	Install concrete parapets and planters	113	115	-49	0	3																									
13	Pavement construction	112	115	-49	0	3																									
II	Slip Road A																														
1	Site clearance	113	38	-40	0	3																									
2	Site formation	114	38	-40	0	3																									
4	Road drainage, utilities & water mains works	116	38	-40	0	3																									
5	Construct retaining walls, abutments and embankment	118	38	-40	0	3																									
13	Pavement construction	112	38	-40	0	3																									
III	Slip Road B																														
1	Site clearance	113	255	-56	0	3																									
2	Site formation	114	255	-56	0	3																									
4	Road drainage, utilities & water mains works	116	255	-56	0	3																									
5	Construct retaining walls, abutments and embankment	118	255	-56	0	3																									
13	Pavement construction	112	255	-56	0	3																									
IV	Slip Road C																														
1	Site clearance	113	130	-50	-10	3	56	56	56																						
2	Site formation	114	130	-50	-10	3																									
4	Road drainage, utilities & water mains works	116	130	-50	-10	3																									
5	Construct retaining walls, abutments and embankment	118	130	-50	-10	3																									
13	Pavement construction	112	130	-50	-10	3																									
V	Left-turn Lane A																														
1	Site clearance	113	220	-55	0	3	61	61	61																						
2	Site formation	114	220	-55	0	3																									
4	Road drainage, utilities & water mains works	116	220	-55	0	3																									
5	Construct retaining walls, abutments and embankment	118	220	-55	0	3																									
7	Extend subway	118	220	-55	0	3																									
10	Install concrete parapets and planters	113	220	-55	0	3																									
6	Demolish existing structures	114	220	-55	0	3																									
13	Pavement construction	112	220	-55	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	330	-58	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	250	-56	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	360	-59	0	3																									
2	Box culvert	114	360	-59	0	3																									
3	Retaining wall construction & associated works	115	360	-59	0	3																									
4	Road embankment	116	360	-59	0	3																									
5	Road drainage, utilities & water mains works	118	360	-59	0	3																									
6	Pavement construction	114	360	-59	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	70	-45	0	3																									
5	Road drainage, utilities & water mains works	114	70	-45	0	3																									
6	Pavement construction	112	70	-45	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							68	68	68	70	70	70	70	71	71	78	78	79	79	79	79	79	79	79	79	79	79	82			
Predicted Cumulative Noise Level during Daytime Period, dB(A)							69	73	73	73	74	75	75	71	72	78	78	79	79	79	79	79	79	79	79	79	79	79	79	82	

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-19

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: KMYLS2 Kwong Ming Ying Loi School

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	135	-51	-10	3	55	55	55																						
3	Piling	115	135	-51	-10	3				57	57	57	57	57																	
4	Road drainage, utilities & water mains works	116	135	-51	-10	3																									
8	Construct pilecaps and piers	118	135	-51	-10	3																									
9	Construct flyover	119	135	-51	-10	3																									
10	Install concrete parapets and planters	113	135	-51	-10	3																									
13	Pavement construction	112	135	-51	-10	3																									
II	Slip Road A																														
1	Site clearance	113	40	-40	0	3																									
2	Site formation	114	40	-40	0	3																									
4	Road drainage, utilities & water mains works	116	40	-40	0	3																									
5	Construct retaining walls, abutments and embankment	118	40	-40	0	3																									
13	Pavement construction	112	40	-40	0	3																									
III	Slip Road B																														
1	Site clearance	113	270	-57	-10	3																									
2	Site formation	114	270	-57	-10	3																									
4	Road drainage, utilities & water mains works	116	270	-57	-10	3																									
5	Construct retaining walls, abutments and embankment	118	270	-57	-10	3																									
13	Pavement construction	112	270	-57	-10	3																									
IV	Slip Road C																														
1	Site clearance	113	110	-49	0	3	67	67	67																						
2	Site formation	114	110	-49	0	3																									
4	Road drainage, utilities & water mains works	116	110	-49	0	3																									
5	Construct retaining walls, abutments and embankment	118	110	-49	0	3																									
13	Pavement construction	112	110	-49	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	250	-56	-10	3	50	50	50																						
2	Site formation	114	250	-56	-10	3																									
4	Road drainage, utilities & water mains works	116	250	-56	-10	3																									
5	Construct retaining walls, abutments and embankment	118	250	-56	-10	3																									
7	Extend subway	118	250	-56	-10	3																									
10	Install concrete parapets and planters	113	250	-56	-10	3																									
6	Demolish existing structures	114	250	-56	-10	3																									
13	Pavement construction	112	250	-56	-10	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	350	-59	-10	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	280	-57	-10	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	400	-60	-10	3																									
2	Box culvert	114	400	-60	-10	3																									
3	Retaining wall construction & associated works	115	400	-60	-10	3																									
4	Road embankment	116	400	-60	-10	3	49	49	49	49																					
5	Road drainage, utilities & water mains works	118	400	-60	-10	3																									
6	Pavement construction	114	400	-60	-10	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	100	-48	-10	3																									
5	Road drainage, utilities & water mains works	114	100	-48	-10	3																									
6	Pavement construction	112	100	-48	-10	3																									
Predicted Noise Level during Daytime Period, dB(A)							67	67	67	69	69	69	71	71	73	78	78	78	78	78	78	78	78	78	78	78	81				
Predicted Cumulative Noise Level during Daytime Period, dB(A)							67	68	68	69	69	69	71	71	73	78	78	78	78	78	78	78	78	78	78	78	78	78	81		

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-21

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: V1 Village house facing slip road (south bound) of Yuen Long Highway - south of POI

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	170	-53	0	3	63	63	63																						
3	Piling	115	170	-53	0	3																									
4	Road drainage, utilities & water mains works	116	170	-53	0	3																									
8	Construct pilecaps and piers	118	170	-53	0	3																									
9	Construct flyover	119	170	-53	0	3																									
10	Install concrete parapets and planters	113	170	-53	0	3																									
13	Pavement construction	112	170	-53	0	3																									
II	Slip Road A																														
1	Site clearance	113	120	-50	0	3																									
2	Site formation	114	120	-50	0	3																									
4	Road drainage, utilities & water mains works	116	120	-50	0	3																									
5	Construct retaining walls, abutments and embankment	118	120	-50	0	3																									
13	Pavement construction	112	120	-50	0	3																									
III	Slip Road B																														
1	Site clearance	113	290	-57	0	3																									
2	Site formation	114	290	-57	0	3																									
4	Road drainage, utilities & water mains works	116	290	-57	0	3																									
5	Construct retaining walls, abutments and embankment	118	290	-57	0	3																									
13	Pavement construction	112	290	-57	0	3																									
IV	Slip Road C																														
1	Site clearance	113	160	-52	0	3	64	64	64																						
2	Site formation	114	160	-52	0	3																									
4	Road drainage, utilities & water mains works	116	160	-52	0	3																									
5	Construct retaining walls, abutments and embankment	118	160	-52	0	3																									
13	Pavement construction	112	160	-52	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	210	-54	0	3	61	61	61																						
2	Site formation	114	210	-54	0	3																									
4	Road drainage, utilities & water mains works	116	210	-54	0	3																									
5	Construct retaining walls, abutments and embankment	118	210	-54	0	3																									
7	Extend subway	118	210	-54	0	3																									
10	Install concrete parapets and planters	113	210	-54	0	3																									
6	Demolish existing structures	114	210	-54	0	3																									
13	Pavement construction	112	210	-54	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	345	-59	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	300	-58	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	450	-61	0	3																									
2	Box culvert	114	450	-61	0	3																									
3	Retaining wall construction & associated works	115	450	-61	0	3																									
4	Road embankment	116	450	-61	0	3	58	58	58	58																					
5	Road drainage, utilities & water mains works	118	450	-61	0	3																									
6	Pavement construction	114	450	-61	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	170	-53	0	3																									
5	Road drainage, utilities & water mains works	114	170	-53	0	3																									
6	Pavement construction	112	170	-53	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							68	68	68	69	69	70	71	71	72	74	74	74	74	74	74	74	74	74	74	74	74	74			
Predicted Cumulative Noise Level during Daytime Period, dB(A)							68	69	69	70	71	71	72	72	72	74	74	74	74	74	74	74	74	74	74	74	74	74	74		

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-22

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: V2 Village house facing slip road (south bound) of Yuen Long Highway - south of POI

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	165	-52	0	3	63	63	63																						
3	Piling	115	165	-52	0	3																									
4	Road drainage, utilities & water mains works	116	165	-52	0	3																									
8	Construct pilecaps and piers	118	165	-52	0	3																									
9	Construct flyover	119	165	-52	0	3																									
10	Install concrete parapets and planters	113	165	-52	0	3																									
13	Pavement construction	112	165	-52	0	3																									
II	Slip Road A																														
1	Site clearance	113	85	-47	0	3																									
2	Site formation	114	85	-47	0	3																									
4	Road drainage, utilities & water mains works	116	85	-47	0	3																									
5	Construct retaining walls, abutments and embankment	118	85	-47	0	3																									
13	Pavement construction	112	85	-47	0	3																									
III	Slip Road B																														
1	Site clearance	113	300	-58	0	3																									
2	Site formation	114	300	-58	0	3																									
4	Road drainage, utilities & water mains works	116	300	-58	0	3																									
5	Construct retaining walls, abutments and embankment	118	300	-58	0	3																									
13	Pavement construction	112	300	-58	0	3																									
IV	Slip Road C																														
1	Site clearance	113	120	-50	0	3	66	66	66																						
2	Site formation	114	120	-50	0	3																									
4	Road drainage, utilities & water mains works	116	120	-50	0	3																									
5	Construct retaining walls, abutments and embankment	118	120	-50	0	3																									
13	Pavement construction	112	120	-50	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	235	-55	0	3	60	60	60																						
2	Site formation	114	235	-55	0	3																									
4	Road drainage, utilities & water mains works	116	235	-55	0	3																									
5	Construct retaining walls, abutments and embankment	118	235	-55	0	3																									
7	Extend subway	118	235	-55	0	3																									
10	Install concrete parapets and planters	113	235	-55	0	3																									
6	Demolish existing structures	114	235	-55	0	3																									
13	Pavement construction	112	235	-55	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	370	-59	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	300	-58	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	150	-52	0	3																									
2	Box culvert	114	150	-52	0	3																									
3	Retaining wall construction & associated works	115	150	-52	0	3																									
4	Road embankment	116	150	-52	0	3																									
5	Road drainage, utilities & water mains works	118	150	-52	0	3																									
6	Pavement construction	114	150	-52	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	210	-54	0	3																									
5	Road drainage, utilities & water mains works	114	210	-54	0	3																									
6	Pavement construction	112	210	-54	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							69	69	69	70	70	71	72	72	73	75	75	76	75	76	75	76	75	76	75	76	75				
Predicted Cumulative Noise Level during Daytime Period, dB(A)							71	72	72	72	73	74	74	74	75	76	76	76	76	76	76	76	76	76	76	76	76	76			

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-24

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: V6 Village house at Hoover Garden

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	480	-62	0	3	54	54	54																						
3	Piling	115	480	-62	0	3				56	56	56	56	56	56																
4	Road drainage, utilities & water mains works	116	480	-62	0	3																									
8	Construct pilecaps and piers	118	480	-62	0	3																									
9	Construct flyover	119	480	-62	0	3																									
10	Install concrete parapets and planters	113	480	-62	0	3																									
13	Pavement construction	112	480	-62	0	3																									
II	Slip Road A																														
1	Site clearance	113	180	-53	0	3																									
2	Site formation	114	180	-53	0	3																									
4	Road drainage, utilities & water mains works	116	180	-53	0	3																									
5	Construct retaining walls, abutments and embankment	118	180	-53	0	3																									
13	Pavement construction	112	180	-53	0	3																									
III	Slip Road B																														
1	Site clearance	113	620	-64	0	3																									
2	Site formation	114	620	-64	0	3																									
4	Road drainage, utilities & water mains works	116	620	-64	0	3																									
5	Construct retaining walls, abutments and embankment	118	620	-64	0	3																									
13	Pavement construction	112	620	-64	0	3																									
IV	Slip Road C																														
1	Site clearance	113	180	-53	0	3	63	63	63																						
2	Site formation	114	180	-53	0	3																									
4	Road drainage, utilities & water mains works	116	180	-53	0	3																									
5	Construct retaining walls, abutments and embankment	118	180	-53	0	3																									
13	Pavement construction	112	180	-53	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	600	-64	0	3	52	52	52																						
2	Site formation	114	600	-64	0	3																									
4	Road drainage, utilities & water mains works	116	600	-64	0	3																									
5	Construct retaining walls, abutments and embankment	118	600	-64	0	3																									
7	Extend subway	118	600	-64	0	3																									
10	Install concrete parapets and planters	113	600	-64	0	3																									
6	Demolish existing structures	114	600	-64	0	3																									
13	Pavement construction	112	600	-64	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	710	-65	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	600	-64	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	810	-66	0	3																									
2	Box culvert	114	810	-66	0	3																									
3	Retaining wall construction & associated works	115	810	-66	0	3																									
4	Road embankment	116	810	-66	0	3	53	53	53	53																					
5	Road drainage, utilities & water mains works	118	810	-66	0	3																									
6	Pavement construction	114	810	-66	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	425	-61	0	3																									
5	Road drainage, utilities & water mains works	114	425	-61	0	3																									
6	Pavement construction	112	425	-61	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							64	64	64	65	65	65	67	67	69	70	70	70	70	70	70	70	70	70	70	70	70				
Predicted Cumulative Noise Level during Daytime Period, dB(A)							64	65	65	66	66	66	68	67	69	70	70	70	70	70	70	70	70	70	70	70	70	70	70		

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-25

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: WUTI 178 Wong Uk Tsuen

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)	
							2009	2010												2011												
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec
DESIGNATED PROJECT																																
Improvement to Pok Oi Interchange																																
I	Flyover A																															
1	Site clearance	113	250	-56	0	3	60	60	60																							
3	Piling	115	250	-56	0	3																										
4	Road drainage, utilities & water mains works	116	250	-56	0	3				62	62	62	62	62	62																	
8	Construct pilecaps and piers	118	250	-56	0	3																										
9	Construct flyover	119	250	-56	0	3																										
10	Install concrete parapets and planters	113	250	-56	0	3																										
13	Pavement construction	112	250	-56	0	3																										
II	Slip Road A																															
1	Site clearance	113	390	-60	0	3																										
2	Site formation	114	390	-60	0	3																										
4	Road drainage, utilities & water mains works	116	390	-60	0	3																										
5	Construct retaining walls, abutments and embankment	118	390	-60	0	3																										
13	Pavement construction	112	390	-60	0	3																										
III	Slip Road B																															
1	Site clearance	113	120	-50	-10	3																										
2	Site formation	114	120	-50	-10	3																										
4	Road drainage, utilities & water mains works	116	120	-50	-10	3																										
5	Construct retaining walls, abutments and embankment	118	120	-50	-10	3																										
13	Pavement construction	112	120	-50	-10	3																										
IV	Slip Road C																															
1	Site clearance	113	635	-64	0	3	52	52	52																							
2	Site formation	114	635	-64	0	3																										
4	Road drainage, utilities & water mains works	116	635	-64	0	3																										
5	Construct retaining walls, abutments and embankment	118	635	-64	0	3																										
13	Pavement construction	112	635	-64	0	3																										
V	Left-turn Lane A																															
1	Site clearance	113	165	-52	0	3	63	63	63																							
2	Site formation	114	165	-52	0	3																										
4	Road drainage, utilities & water mains works	116	165	-52	0	3																										
5	Construct retaining walls, abutments and embankment	118	165	-52	0	3																										
7	Extend subway	118	165	-52	0	3																										
10	Install concrete parapets and planters	113	165	-52	0	3																										
6	Demolish existing structures	114	165	-52	0	3																										
13	Pavement construction	112	165	-52	0	3																										
VI	Road Resurfacing and Remarking A																															
11	Road resurfacing and remarking	115	50	-42	-10	3																										
VII	Road Resurfacing and Remarking B																															
11	Road resurfacing and remarking	115	12	-30	-10	3																										
CONCURRENT PROJECTS																																
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																																
1	Site formation	113	45	-41	0	3																										
2	Box culvert	114	45	-41	0	3																										
3	Retaining wall construction & associated works	115	45	-41	0	3																										
4	Road embankment	116	45	-41	0	3	78	78	78	78																						
5	Road drainage, utilities & water mains works	118	45	-41	0	3																										
6	Pavement construction	114	45	-41	0	3																										
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																																
1	Site formation	113	350	-59	0	3																										
5	Road drainage, utilities & water mains works	114	350	-59	0	3																										
6	Pavement construction	112	350	-59	0	3																										
Predicted Noise Level during Daytime Period, dB(A)							65	65	65	67	67	68	68	70	70	71	70	71	68	69	70	70	68	68	68	68	68	78	78	78	78	
Predicted Cumulative Noise Level during Daytime Period, dB(A)							78	79	79	79	80	81	81	81	81	81	81	77	77	77	77	77	77	77	77	77	77	77	77	77	77	81

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site

Annex C7-26

Construction Noise Assessment (Without Mitigation) (Construction Method for Flyover A : Option 2 : Cast In-situ Deck with Conventional Temporary Works)

NSR: YTI Block 2, YOHO Town

No.	Activity Description	SWL dB(A) ^[2]	Distance m	Corr. For Distance dB(A) ^{[1][2]}	Corr. For Topo dB(A) ^[3]	Corr. For façade dB(A)	Predicted Construction Noise Level (dB(A))																								Max. CNL dB(A)
							2009	2010												2011											
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
DESIGNATED PROJECT																															
Improvement to Pok Oi Interchange																															
I	Flyover A																														
1	Site clearance	113	250	-56	0	3	60	60	60																						
3	Piling	115	250	-56	0	3																									
4	Road drainage, utilities & water mains works	116	250	-56	0	3				62	62	62	62	62																	
8	Construct pilecaps and piers	118	250	-56	0	3																									
9	Construct flyover	119	250	-56	0	3																									
10	Install concrete parapets and planters	113	250	-56	0	3																									
13	Pavement construction	112	250	-56	0	3																									
II	Slip Road A																														
1	Site clearance	113	175	-53	0	3																									
2	Site formation	114	175	-53	0	3																									
4	Road drainage, utilities & water mains works	116	175	-53	0	3																									
5	Construct retaining walls, abutments and embankment	118	175	-53	0	3																									
13	Pavement construction	112	175	-53	0	3																									
III	Slip Road B																														
1	Site clearance	113	365	-59	0	3																									
2	Site formation	114	365	-59	0	3																									
4	Road drainage, utilities & water mains works	116	365	-59	0	3																									
5	Construct retaining walls, abutments and embankment	118	365	-59	0	3																									
13	Pavement construction	112	365	-59	0	3																									
IV	Slip Road C																														
1	Site clearance	113	280	-57	0	3	59	59	59																						
2	Site formation	114	280	-57	0	3																									
4	Road drainage, utilities & water mains works	116	280	-57	0	3																									
5	Construct retaining walls, abutments and embankment	118	280	-57	0	3																									
13	Pavement construction	112	280	-57	0	3																									
V	Left-turn Lane A																														
1	Site clearance	113	375	-59	0	3	56	56	56																						
2	Site formation	114	375	-59	0	3																									
4	Road drainage, utilities & water mains works	116	375	-59	0	3																									
5	Construct retaining walls, abutments and embankment	118	375	-59	0	3																									
7	Extend subway	118	375	-59	0	3																									
10	Install concrete parapets and planters	113	375	-59	0	3																									
6	Demolish existing structures	114	375	-59	0	3																									
13	Pavement construction	112	375	-59	0	3																									
VI	Road Resurfacing and Remarking A																														
11	Road resurfacing and remarking	115	460	-61	0	3																									
VII	Road Resurfacing and Remarking B																														
11	Road resurfacing and remarking	115	345	-59	0	3																									
CONCURRENT PROJECTS																															
Kau Hui Development - Engineering Works in Area 16, Yuen Long Phase 2 - Extension of Road L3 [1]																															
1	Site formation	113	530	-62	0	3																									
2	Box culvert	114	530	-62	0	3																									
3	Retaining wall construction & associated works	115	530	-62	0	3																									
4	Road embankment	116	530	-62	0	3	57	57	57	57																					
5	Road drainage, utilities & water mains works	118	530	-62	0	3																									
6	Pavement construction	114	530	-62	0	3																									
Proposed Left Turn Lane at POI for the Development at YOHO Town Phase II																															
1	Site formation	113	220	-55	0	3																									
5	Road drainage, utilities & water mains works	114	220	-55	0	3																									
6	Pavement construction	112	220	-55	0	3																									
Predicted Noise Level during Daytime Period, dB(A)							63	63	63	65	65	65	66	67	68	69	69	70	70	70	70	70	70	70	70	70	71				
Predicted Cumulative Noise Level during Daytime Period, dB(A)							64	66	66	67	67	68	68	67	68	70	70	70	70	70	70	70	70	70	70	70	70	71			

Note:

[1] Distance Correction for PMEs = 10*log(2*PI*r²)

[2] The figures are rounded-up to a whole number.

[3] Correction of 10 dB(A) provided where there is no direct line of sight from the NSR to the work site