Annex E5

Construction Noise Impact Assessment (With Mitigation)

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-1 Construction Plant Inventory - Mitigated

No.	Activities	Plant	TM / EPD[1] / BS 5228 ref. [1]	No. of PME	On-time %	Unit SWL, dB(A)	SWL, dB(A) [2]	Total SWL, dB(A)[2]	For V2 only [5]: Type of Noise Control [3]	Noise reduction, dB(A)	Total SWL, dB(A)[2]
I)	**Sha Lo Tung Road Improvement**										
1	**Road Improvement Works Phase 1**							**Maximum SWL for Phase 1[4] = 112**			**Maximum SWL for Phase 1[4] = 110**
	Group A: Slope Works	Drill, hand-held	EPD/PME/11	6	100%	89	97	**111**			**108**
		Air Compressor, air flow > 10m3/min and < 30r	CNP 002	2	100%	102	105				
		Generator, silenced, 75dB(A) at 7m	CNP 102	2	100%	100	103				
		Grout pump	EPD/PME/15	2	100%	105	108		Noise Barrier	-10	
	Group B: Excavation Works	Lorry, with crane/grab, 5.5 tonne < gross vehicl	EPD/PME/36	1	100%	105	105	**110**			**110**
		Tracked Excavator/loader	BS D3 97	2	100%	105	108				
	Group C: Filling Works	Compactor, vibratory	CNP 050	1	100%	105	105	**105**			**105**
	Group D: Road Works	Hydraulic breaker, excavator mounted	BS D8 12	2	100%	106	109	**112**	Noise Barrier	-5	**110**
		Tracked Excavator/loader	BS D3 97	2	100%	105	108				
		Concrete mixer (electric)	CNP 045	2	100%	96	99				
		Poker, vibratory, hand-held	BS D6 40	1	100%	98	98		Noise Barrier	-5	
2	**Road Improvement Works Phase 2**							**Maximum SWL for Phase 2[4] = 112**			
	Group A: Slope Works	Drill, hand-held	EPD/PME/11	6	100%	89	97	**111**			
		Air Compressor, air flow > 10m3/min and < 30r	CNP 002	2	100%	102	105				
		Generator, silenced, 75dB(A) at 7m	CNP 102	2	100%	100	103				
		Grout pump	EPD/PME/15	2	100%	105	108				
	Group B: Minipile construction	Drill, hand-held	EPD/PME/11	2	100%	89	92	**108**			
		Air Compressor, air flow > 10m3/min and < 30r	CNP 002	1	100%	102	102				
		Generator, silenced, 75dB(A) at 7m	CNP 102	1	100%	100	100				
		Grout pump	EPD/PME/15	1	100%	105	105				
	Group C: RC Wall Construction	Concrete mixer (electric)	CNP 045	1	100%	96	96	**110**			
		Concrete pump, stationary/lorry mounted	CNP 047	1	100%	109	109				
		Poker, vibratory, hand-held	BS D6 40	1	100%	98	98				
	Group D: Excavation Works	Lorry, with crane/grab, 5.5 tonne < gross vehicl	EPD/PME/36	1	100%	105	105	**110**			
		Tracked Excavator/loader	BS D3 97	2	100%	105	108				
	Group E: Filling Works	Compactor, vibratory	CNP 050	1	100%	105	105	**105**			
	Group F: Road Works	Hydraulic breaker, excavator mounted	BS D8 12	2	100%	106	109	**112**			
		Tracked Excavator/loader	BS D3 97	2	100%	105	108				
		Concrete mixer (electric)	CNP 045	2	100%	96	99				
3	**Road Improvement Works Phase 3**							**Maximum SWL for Phase 3[4] = 112**			
	Group A: Slope Works	Drill, hand-held	EPD/PME/11	6	100%	89	97	**111**			
		Air Compressor, air flow > 10m3/min and < 30r	CNP 002	2	100%	102	105				
		Generator, silenced, 75dB(A) at 7m	CNP 102	2	100%	100	103				
		Grout pump	EPD/PME/15	2	100%	105	108				
	Group B: Excavation Works	Lorry, with crane/grab, 5.5 tonne < gross vehicl	EPD/PME/36	1	100%	105	105	**110**			
		Tracked Excavator/loader	BS D3 97	2	100%	105	108				
	Group C: Filling Works	Compactor, vibratory	CNP 050	1	100%	105	105	**105**			
	Group D: Road Works	Hydraulic breaker, excavator mounted	BS D8 12	2	100%	106	109	**112**			
		Tracked Excavator/loader	BS D3 97	2	100%	105	108				
		Concrete mixer (electric)	CNP 045	2	100%	96	99				

Notes:

[1] SWLs of EPD/PME items refer to the document prepared by the Noise Control Authority (http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)
BS - British Standard BS 5228:2009, Part 1 Noise and Vibration Control on Construction and Open Sites

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

[3] Noise barrier for mobile PME -5dB(A)
Noise barrier for stationary PME -10dB(A)

[4] Either Group A, B, C, D, E or F will be undertaken at any one time.

[5] If there is any occupant lives within the village zone during the construction of Road Improvement Works Phase I, the noise barriers will be provided for grout pump, hydraulic breaker and poker.

Annex E5-2 Summary of Predicted Noise Levels during Daytime Period - Mitigated

	NSR Location	EIAO-TM Noise Criteria, dB(A)	Predicted Construction Noise Level (dB(A))																																										Max. CNL, dB(A)
			Year 1												Year 2												Year 3												Year 4						
			Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul	
N1	Village house at Fung Yuen Lo Tsuen	75	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	67	67	59	59	59	59	61	61	61	61	61	61	57	58	58	58	58	58	51	51	51	51	51	51	51	67
N2	Village house at Fung Yuen	75	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	68	68	59	59	59	59	61	61	61	61	61	61	56	57	57	57	57	57	50	50	50	50	50	50	50	68
N3	Village house at Mak Uk	75	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	68	68	58	58	58	58	60	60	60	60	60	60	56	57	57	57	57	57	50	50	50	50	50	50	50	68
N4	Village house at Tin Sam	75	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	67	67	55	55	55	55	57	57	57	57	57	57	53	54	54	54	54	54	47	47	47	47	47	47	47	67
N5	Ha Hang Government Staff Quarters	75	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	56	56	56	56	58	58	58	58	58	58	54	55	55	55	55	55	47	47	47	47	47	47	47	71
V1	NSR at Village Zone	75	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	54	54	54	54	56	56	56	56	56	56	52	53	53	53	53	53	46	46	46	46	46	46	46	73
V2	NSR at Village Zone	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	55	55	55	55	57	57	57	57	57	57	53	54	54	54	54	54	46	46	46	46	46	46	46	75
V3	NSR at Village Zone (Lei Uk)	75	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	68	68	67	67	67	67	69	69	69	69	69	69	65	66	66	66	66	66	59	59	59	59	59	59	59	69

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3a Construction Airborne Noise Impact Assessment - Mitigated

NSR: N1 Village house at Fung Yuen Lo Tsuen

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																																Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4												
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul		
I	**Sha Lo Tung Road Improvement**																																																			
1	Road Improvement Works Phase 1	112	175	-53	3	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62																												
2	Road Improvement Works Phase 2	112	160	-52	3	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63																												
3	Road Improvement Works Phase 3	112	485	-62	3	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53																												
II	**Development Site**																																																			
4	Site Formation	123	840	-66	3																		59	59	59	59	59	59	59	59	59	59	59	59																	
5	Superstructure Works	120	840	-66	3																								57	57	57	57	57	57	57	57	57	57	57	57											
6	Drainage & Other Works	114	840	-66	3																															51	51	51	51	51	51	51	51	51	51	51	51			
	Predicted Noise Level during Daytime Period, dB(A)					66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	67	67	59	59	59	59	61	61	61	61	61	61	57	58	58	58	58	58	51	51	51	51	51	51	51		67

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3b ***Construction Airborne Noise Impact Assessment - Mitigated***

NSR: N2 Village house at Fung Yuen

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																														Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4									
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul		
I	**Sha Lo Tung Road Improvement**																																																		
1	Road Improvement Works Phase 1	112	140	-51	3	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64																											
2	Road Improvement Works Phase 2	112	130	-50	3	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65																											
3	Road Improvement Works Phase 3	112	540	-63	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52																											
II	**Development Site**																																																		
4	Site Formation	123	890	-67	3																		59	59	59	59	59	59	59	59	59	59	59	59															
5	Superstructure Works	120	890	-67	3																								56	56	56	56	56	56	56	56	56	56	56	56									
6	Drainage & Other Works	114	890	-67	3																															50	50	50	50	50	50	50	50	50	50	50	50	
	Predicted Noise Level during Daytime Period, dB(A)					67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	68	68	59	59	59	59	61	61	61	61	61	61	56	57	57	57	57	57	50	50	50	50	50	50	50	68

Notes:

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

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3c ***Construction Airborne Noise Impact Assessment - Mitigated***

NSR: N3 Village house at Mak Uk

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																												Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4								
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul	
I	**Sha Lo Tung Road Improvement**																																																	
1	Road Improvement Works Phase 1	112	135	-51	3	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64																									
2	Road Improvement Works Phase 2	112	135	-51	3	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64																									
3	Road Improvement Works Phase 3	112	600	-64	3	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51																									
II	**Development Site**																																																	
4	Site Formation	123	945	-67	3																		58	58	58	58	58	58	58	58	58	58	58	58														
5	Superstructure Works	120	945	-67	3																								56	56	56	56	56	56	56	56	56	56	56	56								
6	Drainage & Other Works	114	945	-67	3																															50	50	50	50	50	50	50	50	50	50	50	50	
	Predicted Noise Level during Daytime Period, dB(A)					67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	68	68	58	58	58	58	60	60	60	60	60	60	56	57	57	57	57	57	50	50	50	50	50	50	50	68

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3d Construction Airborne Noise Impact Assessment - Mitigated

NSR: N4 Village house at Tin Sam

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																																Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4											
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul		
I	**Sha Lo Tung Road Improvement**																																																			
1	Road Improvement Works Phase 1	112	115	-49	3	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66																												
2	Road Improvement Works Phase 2	112	380	-60	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55																												
3	Road Improvement Works Phase 3	112	980	-68	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47																												
II	**Development Site**																																																			
4	Site Formation	123	1330	-70	3																		55	55	55	55	55	55	55	55	55	55	55	55																	
5	Superstructure Works	120	1330	-70	3																								53	53	53	53	53	53	53	53	53	53	53	53											
6	Drainage & Other Works	114	1330	-70	3																															47	47	47	47	47	47	47	47	47	47	47	47					
	Predicted Noise Level during Daytime Period, dB(A)					66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	67	67	55	55	55	55	57	57	57	57	57	57	53	54	54	54	54	54	47	47	47	47	47	47	47					67

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3e ***Construction Airborne Noise Impact Assessment - Mitigated***

NSR: N5 Ha Hang Government Staff Quarters

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																														Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4										
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul		
I	**Sha Lo Tung Road Improvement**																																																			
1	Road Improvement Works Phase 1	112	65	-44	3	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71																											
2	Road Improvement Works Phase 2	112	225	-55	3	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60																											
3	Road Improvement Works Phase 3	112	885	-67	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48																											
II	**Development Site**																																																			
4	Site Formation	123	1225	-70	3																		56	56	56	56	56	56	56	56	56	56	56	56															
5	Superstructure Works	120	1225	-70	3																								54	54	54	54	54	54	54	54	54	54	54	54									
6	Drainage & Other Works	114	1225	-70	3																															47	47	47	47	47	47	47	47	47	47	47	47	
	Predicted Noise Level during Daytime Period, dB(A)					71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	56	56	56	56	58	58	58	58	58	58	54	55	55	55	55	55	47	47	47	47	47	47	47	71

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3f ***Construction Airborne Noise Impact Assessment - Mitigated***

NSR: V1 NSR at Village Zone

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																														Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4										
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul		
I	**Sha Lo Tung Road Improvement**																																																			
1	Road Improvement Works Phase 1	112	50	-42	3	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73																											
2	Road Improvement Works Phase 2	112	520	-62	3	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52																											
3	Road Improvement Works Phase 3	112	1095	-69	3	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46																											
II	**Development Site**																																																			
4	Site Formation	123	1435	-71	3																		54	54	54	54	54	54	54	54	54	54	54	54																
5	Superstructure Works	120	1435	-71	3																								52	52	52	52	52	52	52	52	52	52	52	52										
6	Drainage & Other Works	114	1435	-71	3																															46	46	46	46	46	46	46	46	46	46	46	46		
	Predicted Noise Level during Daytime Period, dB(A)					73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	54	54	54	54	56	56	56	56	56	56	52	53	53	53	53	53	46	46	46	46	46	46	46		73

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3g Construction Airborne Noise Impact Assessment - Mitigated

NSR: V2 NSR at Village Zone

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A))[2]																																																Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4											
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul		
I	**Sha Lo Tung Road Improvement**																																																				
1	Road Improvement Works Phase 1	110	30	-38	3	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75																												
2	Road Improvement Works Phase 2	112	370	-59	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55																												
3	Road Improvement Works Phase 3	112	995	-68	3	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47																												
II	**Development Site**																																																				
4	Site Formation	123	1360	-71	3																		55	55	55	55	55	55	55	55	55	55	55	55																		
5	Superstructure Works	120	1360	-71	3																								53	53	53	53	53	53	53	53	53	53	53	53												
6	Drainage & Other Works	114	1360	-71	3																															46	46	46	46	46	46	46	46	46	46	46	46					
	Predicted Noise Level during Daytime Period, dB(A)					75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	55	55	55	55	57	57	57	57	57	57	53	54	54	54	54	54	46	46	46	46	46	46	46					75

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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

Pilot Project for Public-Private Partnership Conservation Scheme at Sha Lo Tung Valley

Annex E5-3h Construction Airborne Noise Impact Assessment - Mitigated

NSR: V3 NSR at Village Zone (Lei Uk)

No.	Activity Description	SWL dB(A)[2]	Distance m	Corr. for distance dB(A)[1][2]	Corr. for façade dB(A)	Predicted Construction Noise Level (dB(A)) [2]																																										Max. CNL dB(A)
						Year 1												Year 2												Year 3												Year 4						
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	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	Jan	Feb	Mar	Apr	May	Jun	Jul	
I	**Sha Lo Tung Road Improvement**																																															
1	Road Improvement Works Phase 1	112	1550	-72	3	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43																								
2	Road Improvement Works Phase 2	112	895	-67	3	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48																								
3	Road Improvement Works Phase 3	112	400	-60	3	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55																								
II	**Development Site**																																															
4	Site Formation	123	323	-58	3																		67	67	67	67	67	67	67	67	67	67	67	67														
5	Superstructure Works	120	323	-58	3																								65	65	65	65	65	65	65	65	65	65	65	65								
6	Drainage & Other Works	114	323	-58	3																															59	59	59	59	59	59	59	59	59	59	59	59	
	Predicted Noise Level during Daytime Period, dB(A)					56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	68	68	67	67	67	67	69	69	69	69	69	69	65	66	66	66	66	66	59	59	59	59	59	59	59	69

Notes:

[1] Distance Correction for PMEs = $10*\log(2*PI*r^2)$

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