

Appendix 4-2A

Road Traffic Noise Sensitivity Test Results

Appendix 4-2A-1 Projected Peak Hour Traffic Flow Data in Year 2035 Adopted for Road Traffic Noise Sensitivity Test

Road Name	Yr 2028, Veh/hr *	% Heavy Veh. *	Assumed Annual Traffic Flow Growth Rate	Yr 2035, Veh/hr **	% Heavy Veh. **
Fung Chuk Road	#	#	#	100 #	20 #
Fairview Park Boulevard EB	875	26	1%	938	26
Fairview Park Boulevard WB	875	26	1%	938	26
Fairview Park Road South EB	875	26	1%	938	26
Fairview Park Road South EB	875	26	1%	938	26
Ha Chuk Yuen Road	#	#	#	100 #	20 #
Kam Pok Road	450	24	1%	482	24
Yau Pok Road	150	19	1%	161	19

Remark:

* According to the traffic forecast data for AM peak hour in year 2028 under the approved planning application (A/YL-MP/170).

** Projected peak hour traffic flow data based on assumed annual traffic flow growth rate @ 1%/ year in order to represent the worst case scenario.

There is no traffic forecast data available for the concerned road sections under the approved planning application (A/YL-MP/170). Instead, traffic forecast data produced under this Project study is used.

Appendix 4-2A-2 Road Traffic Noise Sensitivity Test Results (Unmitigated Scenario without Boundary Noise Barriers)

Predicted Road Traffic Noise at Selected Sensitive Receivers, dB(A)

Floor	mPD	N01A	N01B	N02	N03	N04	N05	N06A	N06B	N07	N08	N09	N10A	N10B	N11A	N11B	N10C	N11C
G/F	5.40	72	69	72	71	70	68	75	76	75	76	76	76	70	71	69	73	72
1/F	9.00	72	69	72	71	70	68	75	76	75	76	76	76	70	71	69	73	72
Noise Criteria		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Floor	mPD	N12	N13	N14A	N14B	N15A	N15B	N16A	N16B	N17A	N17B	N18A	N18B	N19	N20	N21	N22
G/F	5.40	66	68	71	71	67	68	68	69	69	69	66	67	67	67	70	70
1/F	9.00	66	68	70	70	67	68	68	69	69	69	66	67	67	67	70	70
Noise Criteria		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

N.B. shaded cells denote noise level that will exceed limit of 70.5dB(A)

Appendix 4-2A-3 Road Traffic Noise Sensitivity Test Results (Mitigated Scenario)

Predicted Road Traffic Noise at Selected Sensitive Receivers, dB(A)

Floor	mPD	N01A	N01B	N02	N03	N04	N05	N06A	N06B	N07	N08	N09	N10A	N10B	N11A	N11B	N10C	N11C
G/F	5.40	57	55	60	59	58	58	60	62	61	61	61	61	56	59	57	-	-
1/F	9.00	70	68	67	64	62	61	69	70	66	68	68	70	67	69	68	-	-
Noise Criteria		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

Floor	mPD	N12	N13	N14A	N14B	N15A	N15B	N16A	N16B	N17A	N17B	N18A	N18B	N19	N20	N21	N22
G/F	5.40	57	59	58	59	66	68	68	69	69	69	66	67	67	67	70	70
1/F	9.00	63	65	70	70	67	68	68	69	69	69	66	67	67	67	70	70
Noise Criteria		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70

N.B. shaded cells denote noise level that will exceed limit of 70.5dB(A)

Fixed glazing/ blank facade is proposed for building façade at N10C and N11C. As these building facades are no longer noise sensitive, they are not tested in the noise assessment.