

***Appendix 3.10 –
Detailed Assessment Results***

Detailed Assessment Results (Revised Austin Road Flyover Scenario)

ASRs and Assessment Height (mAG)	Site	Land Use	The Worst Scenario						Scenario 1 - 30% Portal + 70% VB (WHC)						Scenario 2 - 50% Portal + 50% VB (WHC)						Scenario 3 - 100% Portal + 0% VB (WHC)					
			Cumulative NO ₂ Conc. in µg/m ³		Cumulative RSP Conc. in µg/m ³		Cumulative FSP Conc. in µg/m ³		Cumulative NO ₂ Conc. in µg/m ³		Cumulative RSP Conc. in µg/m ³		Cumulative FSP Conc. in µg/m ³		Cumulative NO ₂ Conc. in µg/m ³		Cumulative RSP Conc. in µg/m ³		Cumulative FSP Conc. in µg/m ³		Cumulative NO ₂ Conc. in µg/m ³		Cumulative RSP Conc. in µg/m ³		Cumulative FSP Conc. in µg/m ³	
			19 th highest 1-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	19 th highest 1-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	19 th highest 1-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	19 th highest 1-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.	10 th highest 24-hr Avg.	Annual Avg.
AOO			200	40	100	50	75	35	200	40	100	50	75	35	200	40	100	50	75	35	200	40	100	50	75	35
P43l 50	Parcel 43	Commercial	161	34	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	161	34	87	38	65	27
P43m 30 ^[14]	Parcel 43	Commercial	170	38	87	38	65	27	168	38	87	38	65	27	168	38	87	38	65	27	170	38	87	38	65	27
P43m 40	Parcel 43	Commercial	162	34	87	38	65	27	158	34	87	38	65	27	161	34	87	38	65	27	162	34	87	38	65	27
P43m 50	Parcel 43	Commercial	161	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	161	33	87	38	65	27
P43n 30 ^[14]	Parcel 43	Commercial	171	38	87	38	65	27	168	37	87	38	65	27	169	38	87	38	65	27	171	38	87	38	65	27
P43n 40	Parcel 43	Commercial	161	34	87	38	65	27	158	34	87	38	65	27	161	34	87	38	65	27	161	34	87	38	65	27
P43n 50	Parcel 43	Commercial	160	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	160	33	87	38	65	27
P46a 30 ^[14]	Parcel 46 - Exhibition Centre	Commercial	165	38	87	38	65	27	165	37	87	38	65	27	165	37	87	38	65	27	165	38	87	38	65	27
P46a 40	Parcel 46 - Exhibition Centre	Commercial	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27
P46a 50	Parcel 46 - Exhibition Centre	Commercial	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27
P46b 30 ^[15]	Parcel 46 - Exhibition Centre	Commercial	165	38	87	38	65	27	165	37	87	38	65	27	165	38	87	38	65	27	165	38	87	38	65	27
P46b 40	Parcel 46 - Exhibition Centre	Commercial	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27
P46b 50	Parcel 46 - Exhibition Centre	Commercial	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27
P46c 30 ^[15]	Parcel 46 - Exhibition Centre	Commercial	165	38	87	38	65	27	165	38	87	38	65	27	165	38	87	38	65	27	165	38	87	38	65	27
P46c 40	Parcel 46 - Exhibition Centre	Commercial	157	34	87	38	65	27	157	34	87	38	65	27	157	34	87	38	65	27	157	34	87	38	65	27
P46c 50	Parcel 46 - Exhibition Centre	Commercial	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27	157	33	87	38	65	27
P46Aa 20 ^[16]	Parcel 46 - Hong Kong Palace Museum	Commercial	168	46	87	38	66	27	168	42	87	38	66	27	168	43	87	38	66	27	168	46	87	38	66	27
P46Aa 30	Parcel 46 - Hong Kong Palace Museum	Commercial	165	41	87	38	65	27	165	39	87	38	65	27	165	40	87	38	65	27	165	41	87	38	65	27
P46Aa 40	Parcel 46 - Hong Kong Palace Museum	Commercial	157	35	87	38	65	27	157	35	87	38	65	27	157	35	87	38	65	27	157	35	87	38	65	27
P46Aa 50	Parcel 46 - Hong Kong Palace Museum	Commercial	157	34	87	38	65	27	157	34	87	38	65	27	157	34	87	38	65	27	157	34	87	38	65	27
P46Ab 20 ^[16]	Parcel 46 - Hong Kong Palace Museum	Commercial	168	44	87	38	66	27	168	41	87	38	66	27	168	42	87	38	66	27	168	44	87	38	66	27
P46Ab 30	Parcel 46 - Hong Kong Palace Museum	Commercial	165	40	87	38	65	27	165	39	87	38	65	27	165	39	87	38	65	27	165	40	87	38	65	27
P46Ab 40	Parcel 46 - Hong Kong Palace Museum	Commercial	159	35	87	38	65	27	159	35	87	38	65	27	159	35	87	38	65	27	159	35	87	38	65	27
P46Ab 50	Parcel 46 - Hong Kong Palace Museum	Commercial	159	35	87	38	65	27	159	35	87	38	65	27	159	35	87	38	65	27	159	34	87	38	65	27
P50G 1.5	Parcel 50	Commercial	193	48	88	38	66	27	190	47	87	38	66	27	193	47	88	38	66	27	192	48	88	38	66	27
P50G 5	Parcel 50	Commercial	193	48	88	38	66	27	190	47	87	38	66	27	193	47	87	38	66	27	192	48	88	38	66	27
P50J 1.5	Parcel 50	Commercial	194	50	88	38	66	27	192	49	88	38	66	27	194	49	88	38	66	27	192	50	88	38	66	27
P50J 5	Parcel 50	Commercial	193	50	88	38	66	27	192	48	88	38	66	27	193	49	88	38	66	27	192	50	88	38	66	27
P50K 1.5	Parcel 50	Commercial	191	51	88	39	66	28	188	49	88	38	66	27	189	50	88	38	66	27	191	51	88	39	66	28
P50K 5	Parcel 50	Commercial	190	50	88	38	66	27	188	49	88	38	66	27	188	49	88	38	66	27	190	50	88	38	66	27
P51 1.5	Parcel 51	Commercial	193	52	88	39	66	28	189	49	88	38	66	27	191	50	88	38	66	27	193	52	88	39	66	28
P51 5	Parcel 51	Commercial	191	51	88	39	66	28	189	48	88	38	66	27	189	49	88	38	66	27	191	51	88	39	66	28
P51 10	Parcel 51	Commercial	187	49	88	38	66	27	184	47	87	38	66	27	184	48	88	38	66	27	187	49	88	38	66	27
P51 15	Parcel 51	Commercial	184	47	87	38	66	27	184	46	87	38	66	27	182	47	87	38	66	27	179	47	87	38	66	27
P51 20	Parcel 51	Commercial	169	41	87	38	66	27	169	41	87	38	66	27	169	41	87	38	66	27	168	41	87	38	66	27
P52 1.5	Parcel 52	Commercial	193	51	89	39	67	28	191	48	88	38	66	27	192	49	88	38	66	27	193	51	89	39	67	28
P52 5	Parcel 52	Commercial	192	50	89	39	67	28	191	48	88	38	66	27	191	49	88	38	66	27	192	50	89	39	67	28
P52 10	Parcel 52	Commercial	192	48	88	38	66	27	190	47	88	38	66	27	189	47	88	38	66	27	192	48	88	38	66	27

Notes:

- [1] The assessment heights start from the lowest residential floor.
- [2] The assessment heights of ICC are made reference to the approved Proposed Road Improvement Works in West Kowloon Reclamation Development – Phase 1 – Investigation, Design and Construction EIA report (35 - 362mAG). Therefore, the assessment heights are taken from 30mAG to 380mAG.
- [3] According to the as-built drawings, the fresh air intake of Western Harbour Crossing Administration Building is at 13mAG. Therefore, the assessment height is taken as 13mAG
- [4] According to the latest design provided by West Kowloon Cultural District Authority (WKCD), the fresh air intakes of commercial buildings in Zone B of WKCD would be located at the max. permissible building height (i.e. 75mAG for P16,P17,P19,P22 and P26). Therefore, the assessment heights are taken as 75mAG.
- [5] According to the latest design provided by WKCD, the fresh air intakes of commercial buildings in Zone B of WKCD would be located at the max. permissible building height (i.e. 61mAG for P18,P23 and P30a to P30d). Therefore, the assessment heights are taken as 61mAG.
- [6] According to the latest design provided by WKCD, the first air sensitive use levels of P24 and P27 would be 14mAG, with the max. building height below 80mAG and the highest fresh air intake at 91mAG. Therefore, the assessment heights are taken as 10mAG, 15mAG, 20mAG and every 10m up to 80mAG and then 91mAG.
- [7] According to the latest design provided by WKCD, the fresh air intake of commercial buildings in Zone B of WKCD would be located at the max. permissible building height (i.e. 91mAG for P28 and P29). Therefore, the assessment heights are taken as 91mAG.
- [8] The assessment heights are made reference to the approved WKCD EIA Report.
- [9] According to the latest design provided by WKCD, the fresh air intakes of P32 would be located between 1.5mAG to 40mAG. Therefore, the assessment heights are taken from 1.5mAG to 40mAG.
- [10] According to the latest design provided by WKCD, the fresh air intakes of P35a to P35d would be located between 1.5mAG to 40mAG. Therefore, the assessment heights are taken from 1.5mAG to 40mAG.
- [11] According to the latest design provided by WKCD, the fresh air intakes of P39a would be located between 30mAG to 60mAG. Therefore, the assessment heights are taken from 30mAG to 60mAG.
- [12] According to the latest design provided by WKCD, the fresh air intakes of P39b would be located between 70mAG to 90mAG. Therefore, the assessment heights are taken from 70mAG to 90mAG.
- [13] According to the latest design provided by WKCD, the fresh air intakes of P40a to P40h would be located between 15mAG to 90mAG. Therefore, the assessment heights are taken from 15mAG to 90mAG.
- [14] As advised by WKCD, the lowest fresh air intake of P43a to P43n would be located above 30mAG. Therefore, the assessment heights are taken from 30mAG to 50mAG (max. assessment height in the approved WKCD EIA Report).
- [15] As advised by WKCD, the lowest fresh air intake of P46a to P46c would be located above 30mAG. Therefore, the assessment heights are taken from 30mAG to 50mAG (max. permissible building height).
- [16] According to the latest design provided by WKCD, the fresh air intakes of P46Aa and P46Ab would be located between 20mAG to 50mAG. Therefore, the assessment heights are taken from 20mAG to 50mAG.