

Appendix 4.3 Peak Hour Traffic Forecast

M2WH9

By Post and by Fax
3922 9797



本署檔案 Our Ref. : (M2WLT) in TD MP/146-180/9
來函檔號 Your Ref. : AWSY:nlwm:60695325/10.25-2033011435L
電話 Tel. : 3842 6012
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電郵 Email :

AECOM
12/F, Grand Central Plaza, Tower 2,
138 Shatin Rural Committee Road,
Shatin, Hong Kong
(Attn: Andy Wu)

1 August 2023

Dear Sir/Madam,

**Agreement No. CE 17/2022 (HY)
Widening of Yuen Long Highway
(Section between Lam Tei Quarry and Tong Yan San Tsuen Interchange) –
Investigation, Design and Construction**

Technical Note on Traffic Forecast for Environment Impact Assessment


I refer to your above-referenced letter dated 12 July 2023 submitting the captioned technical note (TN) and subsequent submission of revised TN and responses-to-comments on 31 July 2023.

Please note that we have no further comment on the methodology and traffic forecast contained in the captioned TN from a traffic engineering viewpoint. Please ensure that the traffic data of the TN tally with those in the TIA report.

Yours faithfully,



(HUNG Tsz-hin)

for Commissioner for Transport 

c.c.
E13/TP, TPD, TD
MWPMO, HyD (Attn: Vincent KK LI)

**Appendix 4.3 Peak Hour Traffic Forecast
Year 2028**

Link No.	Speed Limit	Total Vehicle	HV%
	km/hr	PM Peak	PM Peak
5	80	4223	32.2%
6	80	4024	29.5%
7	80	2611	29.9%
8	80	2901	27.2%
9	80	4024	27.1%
10	80	4895	27.0%
11	80	2773	26.0%
44	50	121	33.3%
48	70	2913	30.9%
49	70	1966	27.6%
50	70	1383	30.9%
53	70	707	27.0%
54	70	455	34.3%
55	70	971	22.7%
56	70	466	33.4%
59	70	731	32.6%
60	70	1009	21.8%
61	50	1009	21.8%
63	70	683	18.3%
64	70	558	30.4%
163	50	365	29.3%
165	50	127	22.2%
169	50	257	25.4%
171	50	233	21.7%
177	50	197	18.4%
178	50	66	38.7%
180	50	128	10.7%
181	50	64	10.7%
182	50	32	10.7%
215	50	571	32.1%
216	50	28	19.3%
217	50	339	31.4%
218	50	39	22.9%
219	50	301	32.5%
228	50	231	33.1%
230	50	66	21.5%
239	50	71	24.8%
242	50	338	21.5%
243	50	70	20.2%
244	50	37	25.0%
245	50	16	14.7%
247	50	16	14.7%
249	50	16	14.7%
252	50	70	20.2%
253	50	35	20.2%
269	50	344	37.9%
270	50	405	37.5%
274	50	64	13.1%
405	50	408	21.0%
407	50	57	18.5%
409	50	398	21.6%
519	50	1311	26.3%

Link No.	Speed Limit	Total Vehicle	HV%
	km/hr	PM Peak	PM Peak
803	50	42	78.7%
804	50	174	28.7%
805	70	2871	30.2%
2026	50	6	58.4%
2033	50	908	29.8%
9028	50	913	38.8%
9031	50	1318	38.5%
9034	50	362	33.7%
9035	50	812	40.2%
9045	50	708	35.7%
9154	50	1613	35.8%
9155	50	1377	30.0%
9156	50	1711	36.2%
9158	50	876	28.2%
9160	50	896	24.0%
9161	50	1090	27.0%
9163	50	741	34.4%
9164	50	236	69.9%
9166	50	293	12.5%
9167	50	466	19.7%
9168	50	1417	21.9%
9169	50	334	61.7%
9170	50	25	17.4%
9171	50	9	21.9%
9182	50	115	43.9%
9184	50	304	31.7%
9186	50	325	30.7%
9190	50	741	22.9%
9218	50	417	16.7%
9230	50	450	19.8%
9232	50	1999	26.8%
9235	50	3045	30.1%
9237	50	800	37.3%
9239	50	1253	29.5%
91420	50	69	42.8%
91421	50	140	56.2%
91560	50	248	60.2%
91630	50	931	40.1%
91631	50	801	40.3%
91632	50	130	39.1%
92024	50	1104	29.0%
92025	50	1463	32.1%
92026	50	139	55.2%
92027	50	1035	28.2%
92028	50	951	22.9%
92029	50	1124	35.3%
92040	50	163	20.9%
92043	50	45	13.4%
92045	50	75	36.2%
92046	50	291	19.3%
92050	50	97	34.8%
92051	50	96	29.0%

**Appendix 4.3 Peak Hour Traffic Forecast
Year 2028**

Link No.	Speed	Total	HV%
	km/hr	PM Peak	PM Peak
92052	80	159	17.9%
92053	80	4519	28.9%
92054	80	3011	25.2%
92055	80	670	34.7%
92056	80	4678	28.5%
92057	80	3679	26.9%
92058	50	96	25.4%
92059	50	92	14.8%
92060	50	54	30.3%
92061	50	104	26.2%
92062	50	223	19.4%
92063	50	173	26.0%
92064	50	253	18.4%
92065	50	201	25.2%
92066	50	1094	32.6%
92067	80	3587	27.3%
92068	70	2347	31.0%
92069	70	2219	27.8%
92070	70	735	27.5%
92071	50	872	18.9%
92072	70	439	34.3%
92073	50	153	28.9%
92074	50	264	20.1%
92075	50	101	29.2%
92076	50	198	14.5%
92077	50	93	27.5%
92078	50	218	15.2%
92079	50	161	26.4%
92080	50	209	26.0%
92081	50	577	25.2%
92082	50	512	22.7%
92083	50	598	27.3%
92084	50	1102	26.5%
92085	70	1749	32.2%
92086	50	207	21.4%
92087	50	830	23.2%
92088	50	624	23.9%
92089	70	1595	29.3%
92090	50	63	28.0%
92091	50	255	18.9%
92092	50	71	24.8%
92093	50	267	19.6%
92094	50	117	25.5%
92095	50	119	36.7%
92096	50	130	28.6%
92097	50	324	18.0%
92098	50	234	27.3%
92099	50	605	19.0%
92100	50	354	22.6%
92101	50	176	28.1%
92102	50	14	26.2%
92103	50	314	31.6%

Link No.	Speed	Total	HV%
	km/hr	PM Peak	PM Peak
92104	50	478	26.4%
92105	50	121	33.9%
92106	50	59	30.8%
92107	50	49	41.1%
92108	50	45	40.8%
92109	50	28	19.8%
92110	50	31	11.1%
92111	50	70	27.3%
92121	80	106	20.5%
92122	80	564	37.3%
92123	80	844	27.4%
92126	50	47	38.7%
92127	50	185	28.0%
92128	50	313	19.8%
92129	50	785	25.6%
92130	50	130	28.2%
92131	50	258	20.5%
92132	50	405	27.3%
92133	50	17	18.1%
92134	50	242	20.6%
92135	50	405	27.3%
92136	50	135	17.5%
92137	50	287	18.8%
92138	50	232	25.9%
92143	50	58	32.4%
92146	50	59	15.2%
92147	50	129	22.5%
92148	50	21	20.7%
92149	50	267	19.6%
92151	50	32	10.7%
92153	50	168	28.9%
92155	50	31	44.3%
92156	50	400	21.8%
92157	70	805	17.8%
92158	70	682	29.9%
92159	50	101	8.8%

**Appendix 4.3 Peak Hour Traffic Forecast
Year 2048**

Link No.	Speed Limit	Total Vehicle	HV%
	km/hr	PM Peak	PM Peak
5	80	4169	34.5%
6	80	3581	40.1%
7	80	3069	32.8%
8	80	2477	37.1%
9	80	5320	26.1%
10	80	5405	29.8%
11	80	3941	23.8%
44	50	119	33.4%
48	70	3214	29.4%
49	70	3152	21.1%
50	70	1593	28.8%
53	70	1014	25.7%
54	70	729	28.5%
55	70	1182	23.4%
56	70	846	26.8%
59	70	1106	27.3%
60	70	1221	22.9%
61	50	1221	22.9%
63	70	894	28.7%
64	70	1017	29.0%
163	50	481	25.3%
165	50	116	22.8%
169	50	351	21.7%
171	50	398	17.7%
177	50	339	15.7%
178	50	109	28.6%
180	50	120	12.0%
181	50	60	12.0%
182	50	30	12.0%
215	50	514	30.4%
216	50	50	18.6%
217	50	244	29.9%
218	50	16	30.4%
219	50	228	29.8%
228	50	271	30.8%
230	50	66	21.5%
239	50	181	19.5%
242	50	367	20.6%
243	50	70	20.2%
244	50	37	24.8%
245	50	16	14.8%
247	50	16	14.8%
249	50	16	14.8%
252	50	70	20.2%
253	50	35	20.2%
269	50	606	28.6%
270	50	704	28.3%
274	50	64	13.1%
405	50	335	15.7%
407	50	56	18.8%
409	50	333	17.0%
519	50	1246	29.6%

Link No.	Speed Limit	Total Vehicle	HV%
	km/hr	PM Peak	PM Peak
803	50	48	72.2%
804	50	247	24.2%
805	70	3166	28.7%
901	80	4398	24.9%
2026	50	6	58.4%
2033	50	2281	15.6%
9028	50	894	43.7%
9031	50	1743	35.3%
9034	50	362	33.8%
9035	50	1176	33.3%
9045	50	807	37.2%
9154	50	1100	39.0%
9155	50	577	34.7%
9156	50	1378	43.3%
9158	50	526	38.8%
9160	50	1023	17.0%
9161	50	2626	17.5%
9163	50	1940	17.6%
9164	50	523	43.7%
9166	50	98	13.2%
9167	50	639	15.8%
9168	50	2251	17.0%
9169	50	801	49.5%
9170	50	709	15.7%
9171	50	350	36.1%
9172	50	967	25.4%
9174	50	326	18.2%
9182	50	170	44.5%
9184	50	243	36.2%
9186	50	1039	21.6%
9190	50	1046	16.7%
9194	50	356	22.3%
9196	50	253	23.6%
9198	50	41	35.4%
9200	50	20	35.4%
9201	50	62	28.7%
9203	50	459	15.8%
9205	50	545	17.4%
9211	50	244	23.7%
9212	50	1143	20.8%
9215	50	828	18.6%
9216	50	237	26.7%
9217	50	828	18.6%
9218	50	344	33.4%
9220	50	473	31.3%
9224	50	73	16.9%
9226	50	22	18.3%
9228	50	164	16.5%
9230	50	594	19.8%
9232	50	2928	23.7%
9235	50	3413	28.4%
9237	50	1440	34.5%

**Appendix 4.3 Peak Hour Traffic Forecast
Year 2048**

Link No.	Speed	Total	HV%
	km/hr	PM Peak	PM Peak
9239	50	922	32.0%
9240	50	1028	25.4%
9242	50	1390	21.5%
9245	50	1513	18.5%
9246	50	1120	18.5%
9247	50	393	18.6%
9248	50	1160	12.9%
9249	50	587	24.4%
9252	50	457	34.0%
9323	50	407	25.5%
9324	50	455	21.8%
91420	50	827	23.1%
91421	50	1121	16.7%
91560	50	578	54.1%
91630	50	2416	21.6%
91631	50	841	36.4%
91632	50	1575	13.8%
92024	50	1905	27.3%
92025	50	800	35.4%
92026	50	1014	17.7%
92027	50	2038	17.4%
92028	50	1612	17.4%
92029	50	1104	46.8%
92040	50	202	20.8%
92043	50	56	16.2%
92045	50	74	36.7%
92046	50	320	18.9%
92050	50	183	22.3%
92051	50	216	28.7%
92052	80	1632	19.6%
92053	80	4976	28.7%
92054	80	2374	28.0%
92055	80	3848	16.4%
92056	80	6608	26.4%
92057	80	6222	20.8%
92058	50	191	18.5%
92059	50	81	16.8%
92060	50	60	14.9%
92061	50	61	20.7%
92062	50	146	17.8%
92063	50	261	18.2%
92064	50	168	17.1%
92065	50	279	18.4%
92066	50	1550	20.9%
92067	80	4159	29.9%
92068	70	3059	24.9%
92069	70	2759	23.5%
92070	70	1110	27.6%
92071	50	1091	26.0%
92072	70	820	27.2%
92073	50	99	32.6%
92074	50	392	17.1%

Link No.	Speed	Total	HV%
	km/hr	PM Peak	PM Peak
92075	50	178	25.6%
92076	50	276	13.7%
92077	50	171	24.4%
92078	50	299	14.6%
92079	50	73	39.1%
92080	50	302	24.5%
92081	50	794	27.0%
92082	50	547	27.8%
92083	50	713	26.5%
92084	50	1252	28.2%
92085	70	2346	24.4%
92086	50	439	32.6%
92087	50	1156	28.1%
92088	50	717	25.4%
92089	70	2042	22.9%
92090	50	171	20.9%
92091	50	192	19.0%
92092	50	181	19.5%
92093	50	207	19.6%
92094	50	196	22.9%
92095	50	108	39.7%
92096	50	242	22.4%
92097	50	356	17.3%
92098	50	257	18.7%
92099	50	842	18.4%
92100	50	586	20.7%
92101	50	115	19.2%
92102	50	21	27.0%
92103	50	258	27.9%
92104	50	708	23.4%
92105	50	301	20.7%
92106	50	194	29.4%
92107	50	51	38.6%
92108	50	47	38.8%
92109	50	28	19.7%
92110	50	27	12.3%
92111	50	152	19.5%
92112	50	330	25.9%
92113	50	356	22.2%
92114	50	326	25.2%
92115	50	352	22.5%
92116	50	253	15.2%
92117	50	200	16.7%
92118	50	216	30.1%
92119	50	295	22.7%
92120	50	898	20.1%
92121	80	121	40.2%
92122	80	3726	15.6%
92123	80	1305	16.3%
92126	50	353	20.6%
92127	50	453	25.4%
92128	50	575	27.1%

**Appendix 4.3 Peak Hour Traffic Forecast
Year 2048**

Link No.	Speed	Total	HV%
	km/hr	PM Peak	PM Peak
92129	50	987	29.1%
92130	50	306	24.8%
92131	50	611	26.8%
92132	50	595	29.3%
92133	50	85	27.1%
92134	50	525	26.8%
92135	50	595	29.3%
92136	50	167	18.1%
92137	50	189	18.2%
92138	50	300	19.6%
92139	80	192	17.0%
92140	80	1441	19.9%
92141	80	1625	19.9%
92142	80	3351	32.9%
92143	50	57	32.6%
92144	50	380	37.9%
92145	50	648	18.0%
92146	50	56	16.0%
92147	50	216	18.5%
92148	50	25	21.5%
92149	50	207	19.6%
92150	50	2449	20.6%
92151	50	30	12.0%
92152	80	3065	19.9%
92153	50	175	29.1%
92155	50	68	49.4%
92156	50	342	18.0%
92157	70	989	27.5%
92158	70	1191	28.2%
92159	50	102	8.8%

LEGEND

Road Index Map for Year 2028

1 : 10,000

- Project Boundary
- 500m Air Quality Impact Assessment Area
- 300m Noise Impact Assessment Area

