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Sent: Thursday, July 20, 2023 6:07 PM

To: Jay Chu <jay.chu@arup.com>

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Subject: RE: Agreement No. CE 65/2021 (HY) Tuen Mun Bypass – Investigation_Out-0287-Technical Note on Traffic Forecasts for Environmental Review (REP-094-00)

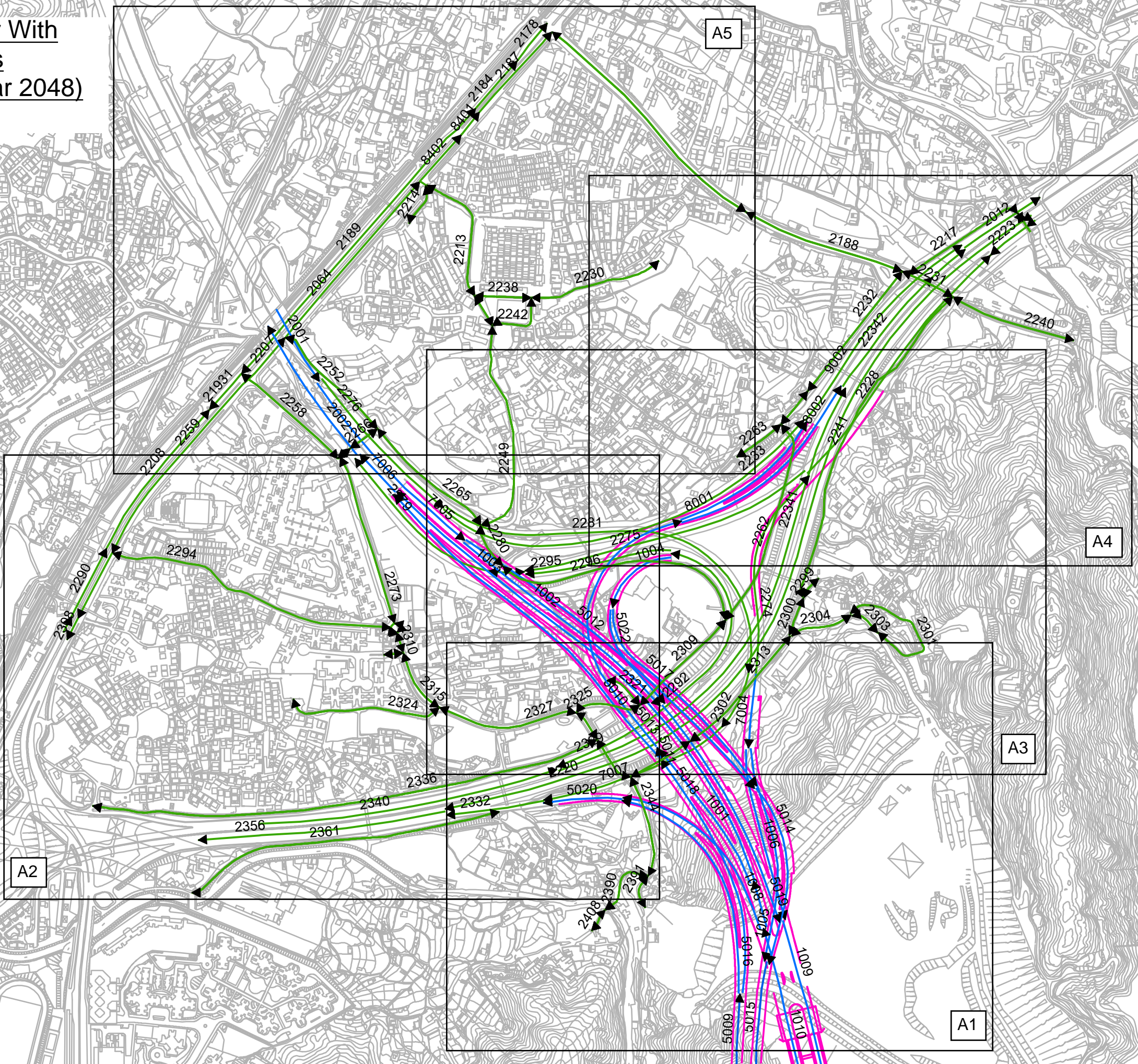
Dear Jay,

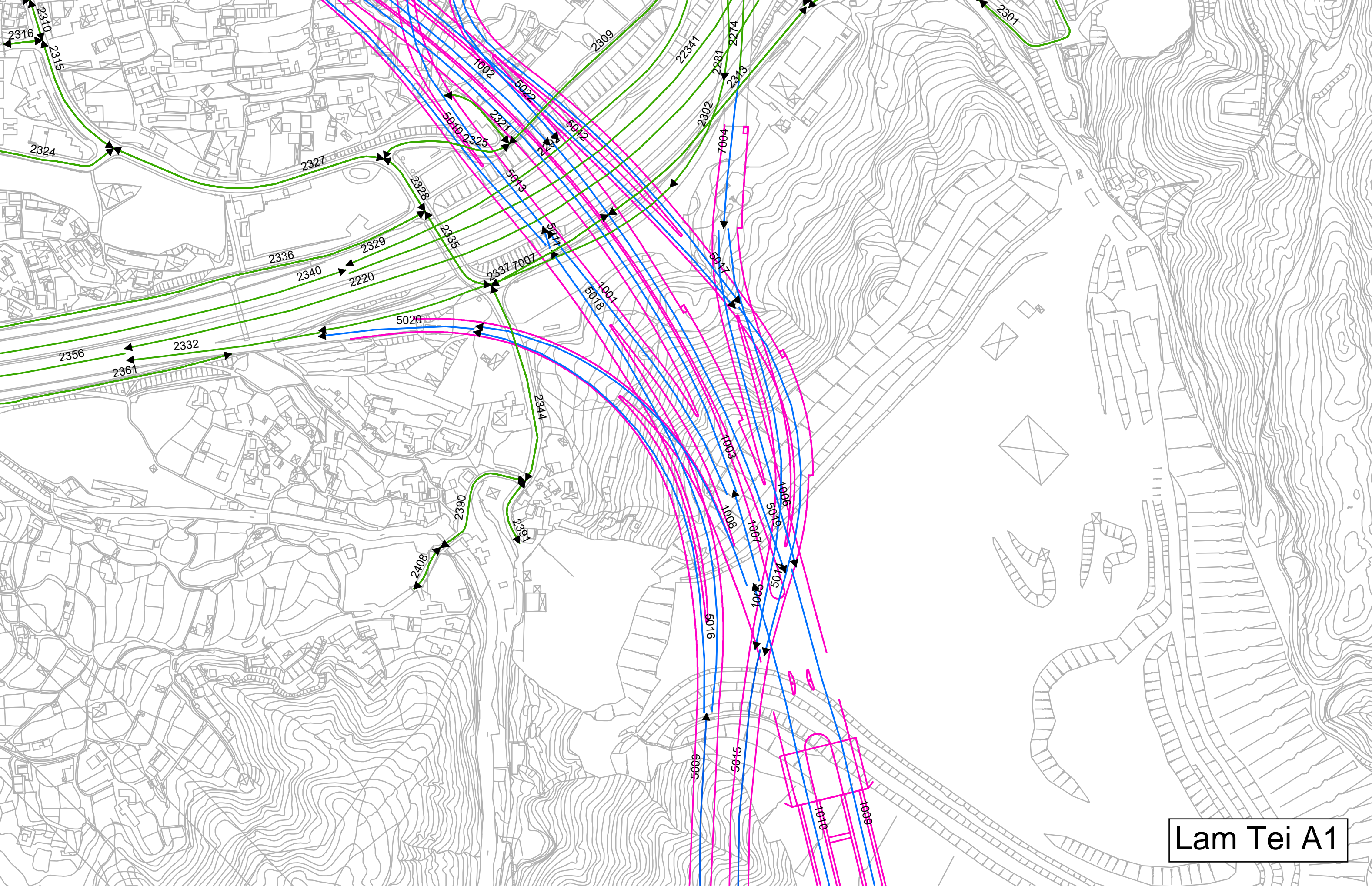
As discussed in the meeting with HyD and Arup today, please be noted that MPD had no further comments on the captioned technical note.

Please also find the following salient points (marked-up in red) as discussed in the meeting in the email below. Thank you very much!

Best Regards,
Rik CHAU
E/MP8, TD
3842 6428

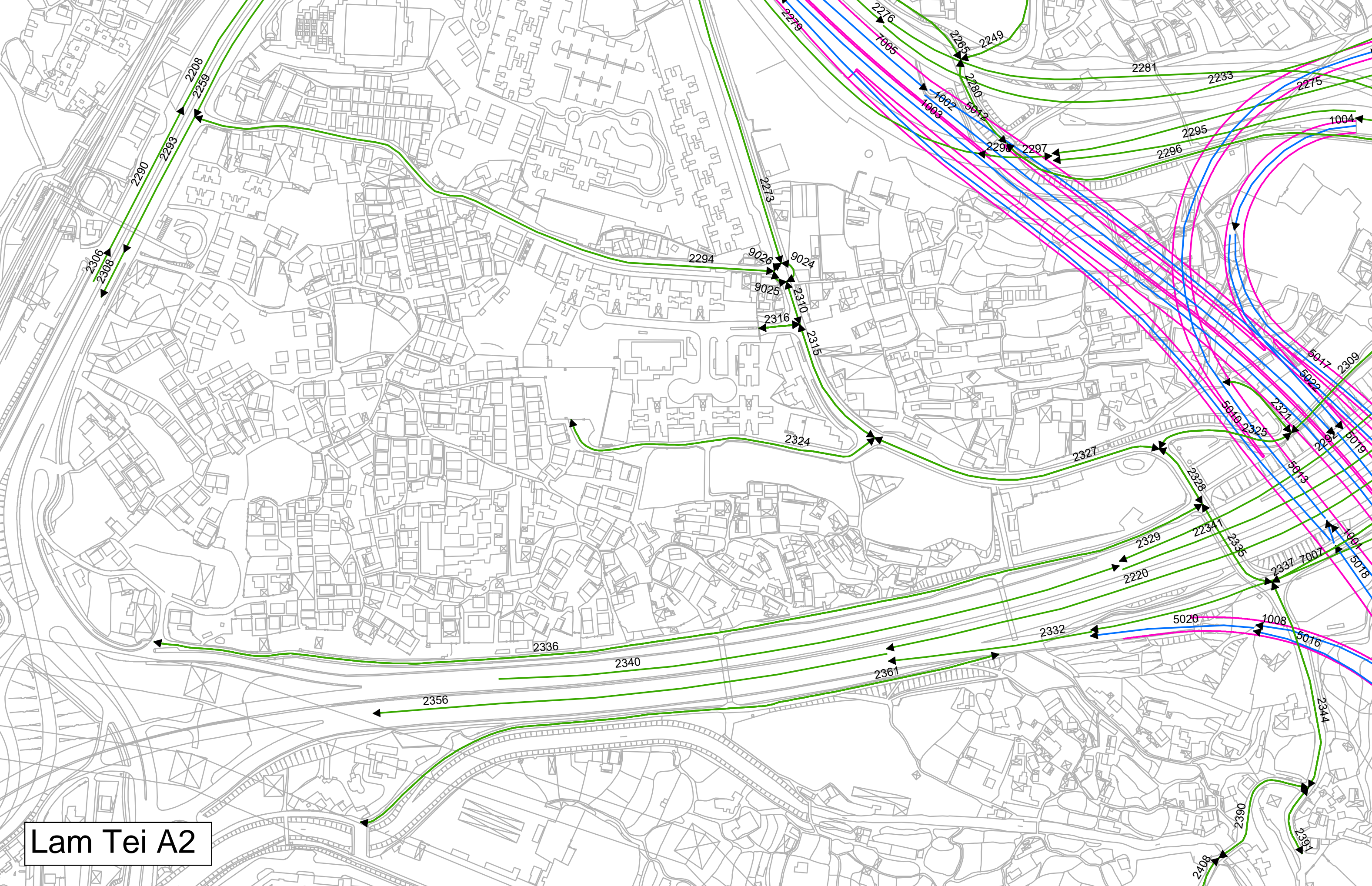
Traffic ID Map for With
Project Scenarios
(Assessment Year 2048)
Lam Tei Area





Lam Tei A1

Lam Tei A2





Lam Tei A4

Lam Tei A5



TMB
Road Traffic Noise Impact Assessment
2048 Traffic Flow (AM peak) - Existing Road

Flow ID	Description	Flow (veh/hr)	HV%	Speed (km/h)
2001	Kong Sham Western Highway (2001)	4072	36.6	80
2002	Kong Sham Western Highway (2002)	3739	43.8	80
2012	Yuen Long Highway (2012)	4628	37.6	80
2064	Castle Peak Road - Hung Shui Kiu (2064)	1782	26.6	70
2178	Castle Peak Road - Hung Shui Kiu (2178)	1032	36.0	70
2184	Castle Peak Road - Lam Tei (2184)	1032	36.0	70
2187	Castle Peak Road - Lam Tei (2187)	1782	26.6	70
2188	Shun Tat Street (2188)	464	28.8	50
2189	Castle Peak Road - Lam Tei (2189)	3009	40.9	70
2207	Castle Peak Road - Lam Tei (2207)	1782	26.6	70
2208	Castle Peak Road - Lam Tei (2208)	1689	38.6	70
2212	Access Road (2212)	50	28.9	50
2213	Access Road (2213)	50	28.9	50
2214	Access Road (2214)	25	28.9	50
2215	Yuen Long Highway (2215)	2008	29.3	80
2216	Kong Sham Western Highway (2216)	3297	32.8	80
2217	Access Road (2217)	261	52.4	50
2218	Access Road (2218)	261	52.4	50
2219	Yuen Long Highway (2219)	3555	40.7	80
2220	Yuen Long Highway (2220)	3241	35.7	80
2221	Access Road (2221)	93	28.8	50
2222	Access Road (2222)	261	52.4	50
2223	Kong Sham Western Highway (2223)	3297	32.8	80
2228	Kong Sham Western Highway (2228)	3297	32.8	80
2230	Access Road (2230)	25	28.9	50
2231	Shun Tat Street (2231)	281	32.9	50
2232	Tat Fuk Road (2232)	261	52.4	50
2233	Kong Sham Western Highway (2233)	246	40.7	80
2238	Access Road (2238)	25	28.9	50
2239	Access Road (2239)	25	28.9	50
2240	Shun Tat Street (2240)	336	36.1	50
2241	Tung Fuk Road (2241)	55	52.4	50
2242	Access Road (2242)	25	28.9	50
2249	Access Road (2249)	204	39.0	50
2252	Wong Kong Wai Road (2252)	598	31.3	50
2258	Fuk Hang Tsuen Road (2258)	955	48.4	50
2259	Castle Peak Road - Lam Tei (2259)	1761	27.5	70
2262	Tat Fuk Road (2262)	327	52.4	50
2263	Tat Fuk Road (2263)	65	52.4	50
2265	Wong Kong Wai Road (2265)	179	40.4	50
2266	Man Chat Road (2266)	25	28.9	50
2271	Man Chat Road (2271)	25	28.9	50
2273	Fuk Hang Tsuen Road (2273)	938	47.1	50
2274	Kong Sham Western Highway (2274)	2880	34.4	50
2275	Kong Sham Western Highway (2275)	416	21.1	80
2276	Kong Sham Western Highway (2276)	461	43.5	80
2279	Kong Sham Western Highway (2279)	574	40.4	80
2280	Wong Kong Wai Road (2280)	384	39.7	50
2281	Kong Sham Western Highway (2281)	215	46.7	50
2290	Castle Peak Road - Lam Tei (2290)	1689	38.6	70
2292	Kong Sham Western Highway (2292)	361	45.3	50
2293	Kong Sham Western Highway (2293)	1980	30.9	70
2294	Lam Tei Main Street (2294)	219	58.1	50
2295	Kong Sham Western Highway (2295)	158	91.4	50
2296	Wong Kong Wai Road (2296)	25	28.9	50
2297	Kong Sham Western Highway (2297)	574	40.4	80
2298	Kong Sham Western Highway (2298)	574	40.4	80
2299	Access Road (2299)	14	26.2	50

Flow ID	Description	Flow (veh/hr)	HV%	Speed (km/h)
2300	Tung Fuk Road (2300)	61	52.4	50
2301	Fuk Hang Tsuen Path (2301)	12	52.4	50
2302	Kong Sham Western Highway (2302)	215	46.7	50
2303	Fuk Hang Tsuen Path (2303)	49	52.4	50
2304	Fuk Hang Tsuen Path (2304)	61	52.4	50
2306	Castle Peak Road - Lam Tei (2306)	1687	38.6	70
2308	Castle Peak Road - Lam Tei (2308)	1980	30.9	70
2309	Tat Fuk Road (2309)	327	52.4	50
2310	Fuk Hang Tsuen Road (2310)	1020	52.4	50
2313	Fuk Hang Tsuen Road (2313)	122	52.4	50
2315	Fuk Hang Tsuen Road (2315)	1020	52.4	50
2316	Access Road (2316)	25	28.9	50
2321	Access Road (2321)	25	28.9	50
2324	Fuk Hang Tsuen Lane (2324)	204	52.4	50
2325	Tat Fuk Road (2325)	408	52.4	50
2327	Fuk Hang Tsuen Road (2327)	816	52.4	50
2328	Fuk Hang Tsuen Road (2328)	408	52.4	50
2329	Kong Sham Western Highway (2329)	361	45.3	50
2332	Kong Sham Western Highway (2332)	573	44.8	50
2335	Fuk Hang Tsuen Road (2335)	204	52.4	50
2336	To Lai Road (2336)	204	52.4	50
2337	Fuk Hang Tsuen Road (2337)	122	52.4	50
2340	Yuen Long Highway (2340)	2877	39.5	80
2344	Chui Fuk Road (2344)	82	52.4	50
2356	Yuen Long Highway (2356)	3814	37.1	80
2361	Fu Hang Road (2361)	99	47.3	50
2390	Fu Fuk Road (2390)	41	52.4	50
2391	Chui Fuk Road (2391)	41	52.4	50
2408	Access Road (2408)	41	52.4	50
7007	Kong Sham Western Highway (7007)	215	46.7	50
8401	Castle Peak Road - Lam Tei (8401)	1782	26.6	70
8402	Castle Peak Road - Lam Tei (8402)	1782	26.6	70
9002	Kong Sham Western Highway (9002)	1107	28.0	80
9024	Roundabout (9024)	549	52.7	50
9025	Roundabout (9025)	1063	51.5	50
9026	Roundabout (9026)	895	47.9	50
21931	Castle Peak Road - Lam Tei (21931)	1689	38.6	70
21932	Castle Peak Road - Lam Tei (21932)	1335	33.0	70
22341	Yuen Long Highway (22341)	2516	38.7	80
22342	Yuen Long Highway (22342)	3555	40.7	80

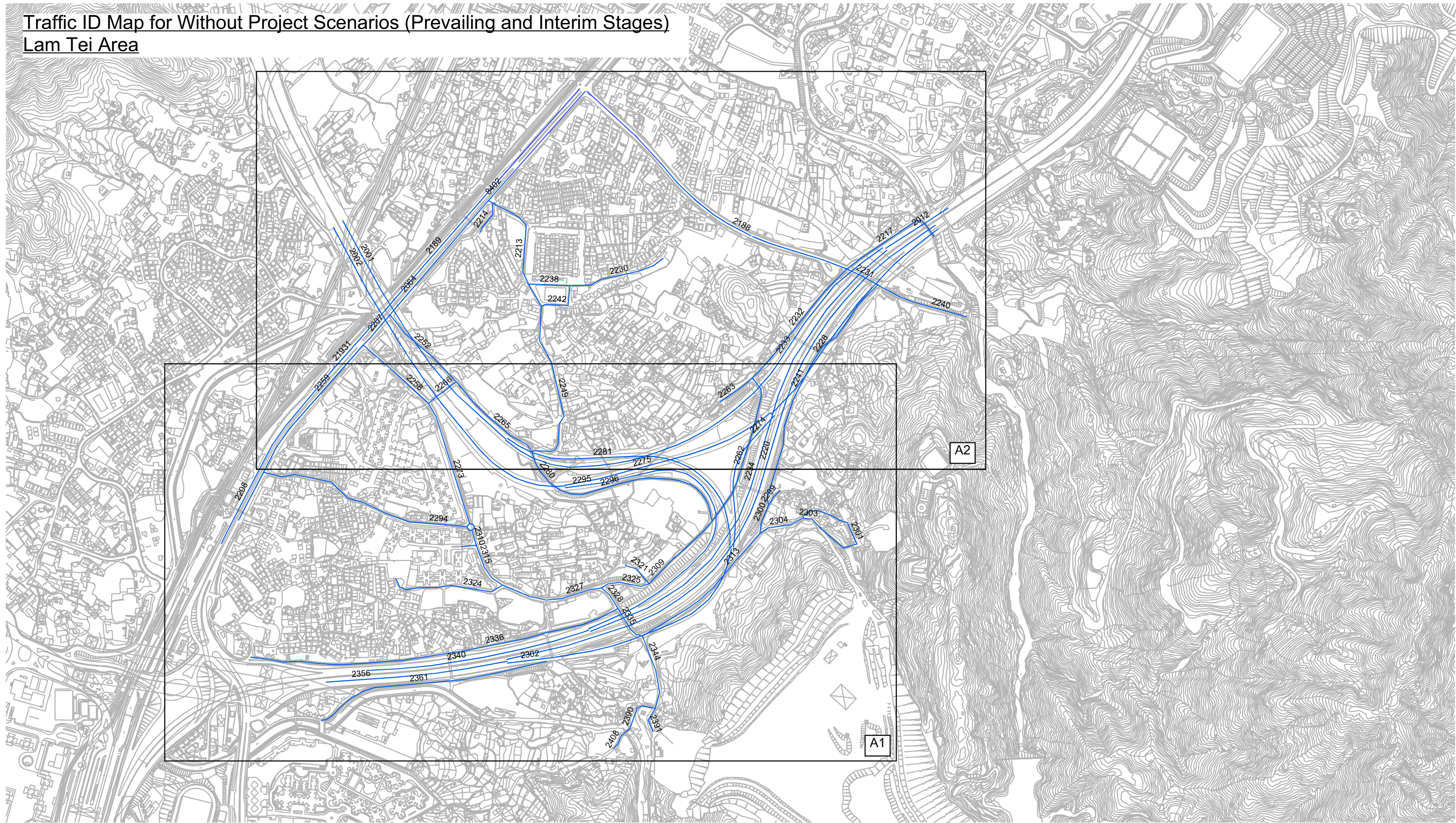
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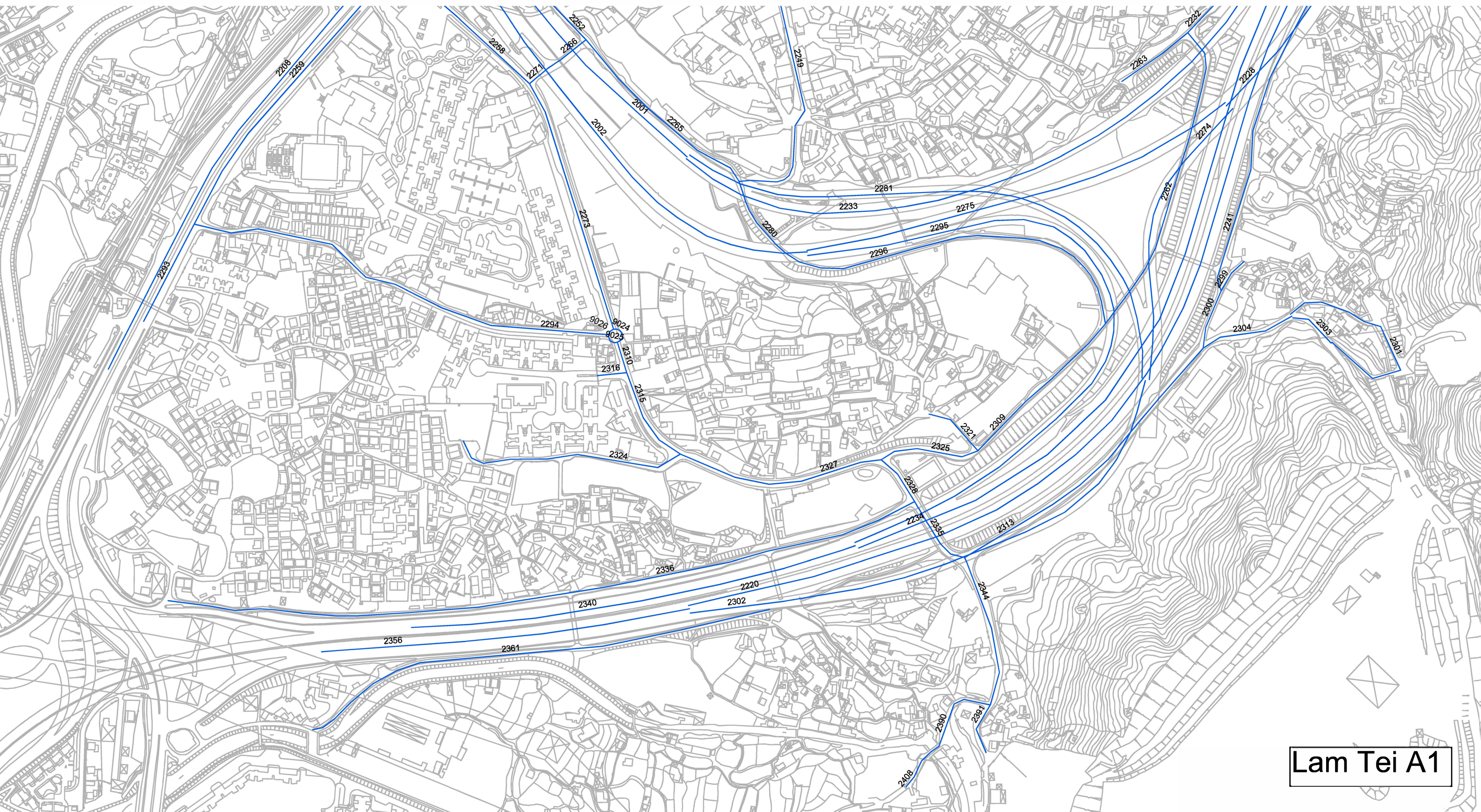
Road Traffic Noise Impact Assessment

2048 Traffic Flow (AM peak) - Planned Road

Flow ID	Description	Flow (veh/hr)	HV%	Speed (km/h)
1001	Route 11 - Lam Tei Tunnel (1001)	1157	36.1	50
1002	Route 11 - Lam Tei Tunnel (1002)	2623	33.5	70
1003	Route 11 - Lam Tei Tunnel (1003)	2070	37.9	80
1004	Route 11 slip road (1004)	203	9.6	50
1005	Route 11 Lam Tei Tunnel slip road (1005)	1451	35.4	50
1006	Route 11 - Lam Tei Tunnel (1006)	1429	33.4	70
1007	Route 11 - Lam Tei Tunnel (1007)	3228	37.3	80
1008	Route 11 Lam Tei Tunnel slip road (1008)	264	44.5	50
1009	Route 11 - Lam Tei Tunnel (1009)	4255	32.3	80
1010	Route 11 - Lam Tei Tunnel (1010)	3491	37.8	80
5009	Tuen Mun Bypass (5009)	1898	47.9	80
5010	Tuen Mun Bypass (5010)	1095	56.9	80
5011	Tuen Mun Bypass (5011)	2961	43.5	80
5012	Tuen Mun Bypass (5012)	988	41.8	70
5013	Tuen Mun Bypass (5013)	1866	35.7	50
5014	Tuen Mun Bypass (5014)	988	41.8	70
5015	Tuen Mun Bypass (5015)	2439	38.0	80
5016	Tuen Mun Bypass (5016)	95	41.6	50
5017	Tuen Mun Bypass (5017)	47	7.3	50
5018	Tuen Mun Bypass (5018)	1804	48.3	80
5019	Tuen Mun Bypass (5019)	2826	31.8	80
5020	Tuen Mun Bypass (5020)	358	43.7	50
5022	Tuen Mun Bypass (5022)	203	9.6	50
7004	Route 11 Lam Tei Tunnel slip road (7004)	2880	34.4	70
7005	Route 11 - Lam Tei Tunnel (7005)	3611	35.7	70
7006	Route 11 - Lam Tei Tunnel (7006)	3165	44.4	80
8001	Route 11 Lam Tei Tunnel slip road (8001)	827	23.2	50
8002	Route 11 Lam Tei Tunnel slip road (8002)	1039	45.6	50

Traffic ID Map for Without Project Scenarios (Prevailing and Interim Stages)
Lam Tei Area





Lam Tei A1



Lam Tei A2

TMB

Road Traffic Noise Impact Assessment

2025 Traffic Flow (AM peak) - Existing Road (Prevailing Stage)

Flow ID	Description	Flow (veh/hr)	HV%	Speed (km/h)
2001	Kong Sham Western Highway (2001)	605	57.6	80
2002	Kong Sham Western Highway (2002)	677	64.5	80
2012	Yuen Long Highway (2012)	3782	33.0	80
2064	Castle Peak Road - Hung Shui Kiu (2064)	1306	34.9	50
2188	Shun Tat Street (2188)	177	14.8	50
2189	Castle Peak Road - Lam Tei (2189)	3801	34.1	70
2207	Castle Peak Road - Lam Tei (2207)	1306	34.9	70
2208	Castle Peak Road - Lam Tei (2208)	1522	46.4	70
2212	Access Road (2212)	50	28.9	50
2213	Access Road (2213)	50	28.9	50
2214	Access Road (2214)	25	28.9	50
2217	Access Road (2217)	192	42.9	50
2220	Yuen Long Highway (2220)	3372	33.0	80
2228	Kong Sham Western Highway (2228)	410	64.3	80
2230	Access Road (2230)	25	28.9	50
2231	Shun Tat Street (2231)	177	14.8	50
2232	Tat Fuk Road (2232)	192	42.9	50
2233	Kong Sham Western Highway (2233)	390	54.5	80
2234	Yuen Long Highway (2234)	3392	30.5	80
2238	Access Road (2238)	25	28.9	50
2239	Access Road (2239)	25	28.9	50
2240	Shun Tat Street (2240)	218	20.0	50
2241	Tung Fuk Road (2241)	41	42.9	50
2242	Access Road (2242)	25	28.9	50
2249	Access Road (2249)	204	39.0	50
2252	Wong Kong Wai Road (2252)	598	31.3	50
2258	Fuk Hang Tsuen Road (2258)	730	43.1	50
2259	Castle Peak Road - Lam Tei (2259)	1182	37.4	70
2262	Tat Fuk Road (2262)	240	42.9	50
2263	Tat Fuk Road (2263)	48	42.9	50
2265	Wong Kong Wai Road (2265)	179	40.4	50
2266	Man Chat Road (2266)	25	28.9	50
2271	Man Chat Road (2271)	25	28.9	50
2273	Fuk Hang Tsuen Road (2273)	715	41.4	50
2274	Kong Sham Western Highway (2274)	15	41.3	50
2275	Kong Sham Western Highway (2275)	410	64.3	80
2280	Wong Kong Wai Road (2280)	384	39.7	50
2281	Kong Sham Western Highway (2281)	215	63.2	50
2293	Castle Peak Road - Lam Tei (2293)	1345	36.7	70
2294	Lam Tei Main Street (2294)	162	31.9	50
2295	Kong Sham Western Highway (2295)	268	64.7	50
2296	Wong Kong Wai Road (2296)	25	28.9	50
2299	Access Road (2299)	13	19.2	50
2300	Tung Fuk Road (2300)	45	42.9	50
2301	Fuk Hang Tsuen Path (2301)	9	42.9	50
2302	Kong Sham Western Highway (2302)	215	63.2	50
2303	Fuk Hang Tsuen Path (2303)	36	42.9	50
2304	Fuk Hang Tsuen Path (2304)	45	42.9	50
2309	Tat Fuk Road (2309)	240	42.9	50
2310	Fuk Hang Tsuen Road (2310)	751	42.9	50
2313	Fuk Hang Tsuen Road (2313)	90	42.9	50
2315	Fuk Hang Tsuen Road (2315)	751	42.9	50
2316	Access Road (2316)	25	28.9	50
2321	Access Road (2321)	25	28.9	50
2324	Fuk Hang Tsuen Lane (2324)	150	42.9	50
2325	Tat Fuk Road (2325)	300	42.9	50
2327	Fuk Hang Tsuen Road (2327)	601	42.9	50

Flow ID	Description	Flow (veh/hr)	HV%	Speed (km/h)
2328	Fuk Hang Tsuen Road (2328)	300	42.9	50
2335	Fuk Hang Tsuen Road (2335)	150	42.9	50
2336	To Lai Road (2336)	150	42.9	50
2340	Yuen Long Highway (2340)	3660	33.0	80
2344	Chui Fuk Road (2344)	60	42.9	50
2356	Yuen Long Highway (2356)	3587	34.9	80
2361	Fu Hang Road (2361)	51	39.4	50
2390	Fu Fuk Road (2390)	30	42.9	50
2391	Chui Fuk Road (2391)	30	42.9	50
2408	Access Road (2408)	30	42.9	50
8402	Castle Peak Road - Lam Tei (8402)	1306	34.9	70
9024	Roundabout (9024)	408	49.0	50
9025	Roundabout (9025)	779	42.7	50
9026	Roundabout (9026)	687	41.6	50
21931	Castle Peak Road - Lam Tei (21931)	1522	46.4	70
21932	Castle Peak Road - Lam Tei (21932)	1403	40.9	70