

Annex D3

Hourly Traffic Flow Data

Annex D3-1 AM & PM Peak Hourly Traffic Flow and Breakdown of 16 Vehicle Classes

HyD Link No.	AM Peak Traffic Flow (veh/hr)	Car		Taxi	SPB					LGV			HGV		PT			Total
		Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Public Light Buses <3.5t	Public Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses	
1	1254	23	601	36	0	5	0	0	0	21	102	82	316	28	2	38	0	1254
		2%	48%	3%	0%	0%	0%	0%	0%	2%	8%	7%	25%	2%	0%	3%	0%	100%
2	2913	16	1111	120	0	27	0	0	29	33	164	131	891	78	12	234	67	2913
		1%	38%	4%	0%	1%	0%	0%	1%	1%	6%	4%	31%	3%	0%	8%	2%	100%
3	2073	16	702	55	0	14	0	0	33	12	57	46	859	75	6	122	76	2073
		1%	34%	3%	0%	1%	0%	0%	2%	1%	3%	2%	41%	4%	0%	6%	4%	100%
4	966	15	431	62	0	3	0	0	0	15	76	60	256	22	1	25	0	966
		2%	45%	6%	0%	0%	0%	0%	0%	2%	8%	6%	27%	2%	0%	3%	0%	100%
5	604	11	289	17	0	2	0	0	0	10	49	40	153	13	1	19	0	604
		2%	48%	3%	0%	0%	0%	0%	0%	2%	8%	7%	25%	2%	0%	3%	0%	100%
6	2913	16	1111	120	0	27	0	0	29	33	164	131	891	78	12	234	67	2913
		1%	38%	4%	0%	1%	0%	0%	1%	1%	6%	4%	31%	3%	0%	8%	2%	100%
		0%	69%	10%	0%	1%	0%	0%	0%	0%	0%	0%	10%	1%	0%	9%	0%	100%
7	2445	19	828	64	0	17	0	0	38	14	68	54	1014	88	8	143	90	2445
		1%	34%	3%	0%	1%	0%	0%	2%	1%	3%	2%	41%	4%	0%	6%	4%	100%
8	519	8	232	33	0	2	0	0	0	8	41	32	138	12	1	12	0	519
		2%	45%	6%	0%	0%	0%	0%	0%	2%	8%	6%	27%	2%	0%	2%	0%	100%
9	1241	11	527	57	0	16	0	0	6	17	84	68	276	24	7	133	15	1241
		1%	42%	5%	0%	1%	0%	0%	0%	1%	7%	5%	22%	2%	1%	11%	1%	100%
10	884	7	432	33	0	13	0	0	4	10	49	39	157	14	6	110	10	884
		1%	35%	3%	0%	1%	0%	0%	0%	1%	4%	3%	13%	1%	0%	9%	1%	71%
		2%	48%	5%	0%	2%	0%	0%	0%	2%	6%	6%	14%	2%	0%	13%	2%	100%
11	55	0	0	0	0	6	0	0	0	0	0	0	0	0	2	47	0	55
		0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	4%	85%	0%	100%
12	556	8	201	37	0	5	0	0	0	10	51	41	142	12	2	47	0	556
		1%	36%	7%	0%	1%	0%	0%	0%	2%	9%	7%	26%	2%	0%	8%	0%	100%
13	1745	33	670	323	0	12	0	0	87	22	108	87	89	8	5	98	203	1745
		2%	38%	19%	0%	1%	0%	0%	5%	1%	6%	5%	5%	0%	0%	6%	12%	100%
14	1282	11	471	182	0	4	0	0	72	20	99	79	127	11	2	36	168	1282
		1%	37%	14%	0%	0%	0%	0%	6%	2%	8%	6%	10%	1%	0%	3%	13%	100%
15	775	15	329	50	0	12	0	0	2	17	82	66	84	7	5	100	6	775
		2%	42%	6%	0%	2%	0%	0%	0%	2%	11%	9%	11%	1%	1%	13%	1%	100%
16	1122	7	580	43	0	13	0	0	7	14	70	56	179	16	6	115	16	1122
		1%	52%	4%	0%	1%	0%	0%	1%	1%	6%	5%	16%	1%	1%	10%	1%	100%
17	1428	10	557	114	0	21	0	0	10	22	108	87	266	23	9	179	22	1428
		1%	39%	8%	0%	1%	0%	0%	1%	2%	8%	6%	19%	2%	1%	13%	2%	100%
6A	630	0	360	21	0	1	0	0	0	1	3	3	210	18	1	12	0	630
		0%	57%	3%	0%	0%	0%	0%	0%	0%	0%	0%	33%	3%	0%	2%	0%	100%
6B	478	0	328	50	0	5	0	0	0	0	0	0	46	4	2	43	0	478
		0%	69%	10%	0%	1%	0%	0%	0%	0%	0%	0%	10%	1%	0%	9%	0%	100%
10A	808	6	395	30	0	12	0	0	4	9	44	36	144	13	5	101	9	808
		1%	49%	4%	0%	1%	0%	0%	0%	1%	5%	4%	18%	2%	1%	13%	1%	100%
10B	64	1	31	3	0	1	0	0	0	1	4	4	9	1	0	8	1	64
		2%	48%	5%	0%	2%	0%	0%	0%	2%	6%	6%	14%	2%	0%	13%	2%	100%

HyD Link No.	PM Peak Traffic Flow (veh/hr)	Car		Taxi	SPB					LGV			HGV		PT			Total
		Motor Cycles	Petrol PC & LGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Public Light Buses <3.5t	Public Light Buses >3.5t	Diesel PC&LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses	
1	1129	23	618	31	0	2	0	0	1	18	88	70	238	21	1	17	1	1129
		2%	55%	3%	0%	0%	0%	0%	0%	2%	8%	6%	21%	2%	0%	2%	0%	100%
2	2423	15	977	98	0	16	0	0	26	26	130	104	757	66	7	140	61	2423
		1%	40%	4%	0%	1%	0%	0%	1%	1%	5%	4%	31%	3%	0%	6%	3%	100%
3	2063	24	790	60	0	16	0	0	23	21	104	83	685	60	7	136	54	2063
		1%	38%	3%	0%	1%	0%	0%	1%	1%	5%	4%	33%	3%	0%	7%	3%	100%
4	1227	26	645	29	0	3	0	0	0	21	102	82	272	24	1	22	0	1227
		2%	53%	2%	0%	0%	0%	0%	0%	2%	8%	7%	22%	2%	0%	2%	0%	100%
5	488	10	267	13	0	1	0	0	0	8	38	30	103	9	0	8	1	488
		2%	55%	3%	0%	0%	0%	0%	0%	2%	8%	6%	21%	2%	0%	2%	0%	100%
6	2425	15	977	98	0	16	0	0	26	26	130	104	759	66	7	140	61	2425
		1%	40%	4%	0%	1%	0%	0%	1%	1%	5%	4%	31%	3%	0%	6%	3%	100%
		0%	57%	3%	0%	0%	0%	0%	0%	0%	1%	0%	33%	3%	0%	2%	0%	100%
7	2543	29	973	74	0	20	0	0	29	26	128	103	845	74	9	167	66	2543
		1%	38%	3%	0%	1%	0%	0%	1%	1%	5%	4%	33%	3%	0%	7%	3%	100%
8	663	14	348	16	0	1	0	0	0	11	56	44	147	13	1	12	0	663
		2%	52%	2%	0%	0%	0%	0%	0%	2%	8%	7%	22%	2%	0%	2%	0%	100%
9	739	11	404	52	0	5	0	0	4	9	44	36	109	10	2	45	8	739
		1%	55%	7%	0%	1%	0%	0%	1%	1%	6%	5%	15%	1%	0%	6%	1%	100%
10	1325	15	609	35	0	15	0	0	7	22	108	86	249	22	7	132	17	1324
		1%	46%	3%	0%	1%	0%	0%	1%	2%	8%	6%	19%	2%	1%	10%	1%	100%
		1%	45%	4%	0%	1%	0%	0%	1%	2%	9%	7%	17%	1%	1%	12%	1%	100%
11	59	0	0	0	0	6	0	0	0	0	0	0	0	0	3	50	0	59
		0%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	5%	85%	0%	100%
12	689	17	346	25	0	6	0	0	0	10	52	42	127	11	3	50	0	689
		2%	50%	4%	0%	1%	0%	0%	0%	1%	8%	6%	18%	2%	0%	7%	0%	100%
13	1451	22	699	160	0	7	0	0	47	21	107	85	118	10	3	62	110	1451
		2%	48%	11%	0%	0%	0%	0%	3%	1%	7%	6%	8%	1%	0%	4%	8%	100%
14	1321	36	598	133	0	8	0	0	65	17	87	70	82	7	3	64	151	1321
		3%	45%	10%	0%	1%	0%	0%	5%	1%	7%	5%	6%	1%	0%	5%	11%	100%
15	785	18	278	62	0	16	0	0	2	17	87	69	78	7	7	141	3	785
		2%	35%	8%	0%	2%	0%	0%	0%	2%	11%	9%	10%	1%	1%	18%	0%	100%
16	1482	24	708	57	0	15	0	0	10	22	110	88	266	23	7	128	24	1482
		2%	48%	4%	0%	1%	0%	0%	1%	1%	7%	6%	18%	2%	0%	9%	2%	100%
17	981	18	509	73	0	9	0	0	5	12	59	47	140	12	4	80	13	981
		2%	52%	7%	0%	1%	0%	0%	1%	1%	6%	5%	14%	1%	0%	8%	1%	100%
6A	617	0	422	65	0	7	0	0	0	0	0	0	60	5	3	55	0	617
		0%	68%	11%	0%	1%	0%	0%	0%	0%	0%	0%	10%	1%	0%	9%	0%	100%
6B	520	0	297	17	0	1	0	0	0	1	3	2	174	15	0	10	0	520
		0%	57%	3%	0%	0%	0%	0%	0%	0%	1%	0%	33%	3%	0%	2%	0%	100%
10A	1210	13	556	32	0	14	0	0	7	20	99	79	228	20	6	121	15	1210
		1%	46%	3%	0%	1%	0%	0%	1%	2%	8%	7%	19%	2%	0%	10%	1%	100%
10B	103	1	46	4	0	1	0	0	1	2	9	7	17	1	1	12	1	103
		1%	45%	4%	0%	1%	0%	0%	1%	2%	9%	7%	17%	1%	1%	12%	1%	100%

Annex D3-2 Hourly Traffic Flow and Breakdown

Total Vehicle Flow in Each Hour (2026 Scheme Vehicles)

15 years after Operation Year

HyD Link No.	0000-0100	0100-0200	0200-0300	0300-0400	0400-0500	0500-0600	0600-0700	0700-0800	0800-0900	0900-1000	1000-1100	1100-1200	1200-1300	1300-1400	1400-1500	1500-1600	1600-1700	1700-1800	1800-1900	1900-2000	2000-2100	2100-2200	2200-2300	2300-0000
	1.92	1.47	1.01	0.83	0.83	1.10	2.19	5.01	6.19	6.10	5.74	5.74	5.83	6.01	6.05	6.01	6.10	6.37	6.74	5.56	4.28	3.46	2.92	2.46
1	389	298	205	168	168	223	444	1015	1254	1236	1163	1163	977	1007	1013	1007	1022	1067	1129	931	717	580	489	412
2	904	692	475	391	391	518	1031	2358	2913	2871	2701	2701	2096	2161	2175	2161	2193	2290	2423	1999	1539	1244	1050	884
3	643	492	338	278	278	368	733	1678	2073	2043	1922	1922	1784	1840	1852	1840	1867	1950	2063	1702	1310	1059	894	753
4	300	229	158	130	130	172	342	782	966	952	896	896	1061	1094	1101	1094	1110	1160	1227	1012	779	630	532	448
5	187	143	99	81	81	107	214	489	604	595	560	560	422	435	438	435	442	461	488	403	310	251	211	178
6	904	692	475	391	391	518	1031	2358	2913	2871	2701	2701	2098	2162	2177	2162	2195	2292	2425	2000	1540	1245	1051	885
6A	195	150	103	84	84	112	223	510	630	621	584	584	534	550	554	550	558	583	617	509	392	317	267	225
6B	148	114	78	64	64	85	169	387	478	471	443	443	450	464	467	464	471	491	520	429	330	267	225	190
7	758	581	399	328	328	434	865	1979	2445	2409	2267	2267	2200	2268	2283	2268	2302	2403	2543	2098	1615	1305	1102	928
8	161	123	85	70	70	92	184	420	519	511	481	481	573	591	595	591	600	627	663	547	421	340	287	242
9	385	295	202	166	166	221	439	1004	1241	1223	1151	1151	639	659	663	659	669	698	739	610	469	379	320	270
10	274	210	144	119	119	157	313	715	884	871	820	820	1146	1181	1189	1181	1199	1252	1325	1093	841	680	574	484
10A	251	192	132	108	108	144	286	654	808	796	749	749	1047	1079	1086	1079	1095	1144	1210	998	768	621	524	442
10B	20	15	10	9	9	11	23	52	64	63	59	59	89	92	92	92	93	97	103	85	65	53	45	38
11	17	13	9	7	7	10	19	45	55	54	51	51	51	53	53	53	53	56	59	49	37	30	26	22
12	172	132	91	75	75	99	197	450	556	548	516	516	596	614	618	614	624	651	689	568	438	354	298	251
13	541	414	285	234	234	310	617	1412	1745	1720	1618	1618	1255	1294	1302	1294	1313	1371	1451	1197	921	745	629	530
14	398	304	209	172	172	228	454	1038	1282	1263	1189	1189	1143	1178	1186	1178	1196	1248	1321	1090	839	678	572	482
15	240	184	126	104	104	138	274	627	775	764	719	719	679	700	705	700	710	742	785	648	498	403	340	287
16	348	266	183	150	150	199	397	908	1122	1106	1040	1040	1282	1321	1330	1321	1341	1401	1482	1223	941	761	642	541
17	443	339	233	191	191	254	505	1156	1428	1407	1324	1324	849	875	881	875	888	927	981	809	623	504	425	358

Note: The vehicle flow in each hour is derived from the hourly variation pattern in the nearby core station no. 5019 - Castle Peak Road - Yuen Long in Annual Traffic Census 2006. Link No. 1-4 are outside of 500m Study Boundary and therefore not used in the current assessment.