

Appendix 11.2

Table 1 Detailed Population Data near the LPG Compound

ID	Name	Population			Indoor Ratio	% Occupancy				Population in Year 2033 (Base Case)				% Occupancy				Population in Year 2033 (Construction Phase)			
		Year 2033 (Base Case)	Year 2033 (Construction Phase)	Year 2041 (Operation Phase)		WDD	WDN	WED	WEN	WDD	WDN	WED	WEN	WDD	WDN	WED	WEN	WDD	WDN	WED	WEN
1	Pine Court, Worldwide Gardens	98	98	98	0.95	0.5	1.0	0.7	1.0	49	98	69	98	0.5	1.0	0.7	1.0	49	98	69	98
2	Hibiscus Court, Worldwide Gardens	261	261	261	0.95	0.5	1.0	0.7	1.0	131	261	183	261	0.5	1.0	0.7	1.0	131	261	183	261
3	Lily Court, Worldwide Gardens	261	261	261	0.95	0.5	1.0	0.7	1.0	131	261	183	261	0.5	1.0	0.7	1.0	131	261	183	261
4	Laurel Court, Worldwide Gardens	274	274	274	0.95	0.5	1.0	0.7	1.0	137	274	192	274	0.5	1.0	0.7	1.0	137	274	192	274
5	Bauhinia Court, Worldwide Gardens	137	137	137	0.95	0.5	1.0	0.7	1.0	69	137	96	137	0.5	1.0	0.7	1.0	69	137	96	137
6	Anfield School	362	362	362	0.95	1.0	0	0	0	362	0	0	0	1.0	0	0	0	362	0	0	0
7	Begonia Court, Worldwide Gardens	150	150	150	0.95	0.5	1.0	0.7	1.0	75	150	105	150	0.5	1.0	0.7	1.0	75	150	105	150
8	Cypress Court, Worldwide Gardens	150	150	150	0.95	0.5	1.0	0.7	1.0	75	150	105	150	0.5	1.0	0.7	1.0	75	150	105	150
9	Pok Oi Hospital Chan Kai Memorial College	1226	1226	1226	0.95	1.0	0	0	0	1226	0	0	0	1.0	0	0	0	1226	0	0	0
10	Sheung Sum House, Lung Hang Estate																				
10a	- Low Block	1109	1109	1109	0.95	0.5	1.0	0.7	1.0	555	1109	777	1109	0.5	1.0	0.7	1.0	555	1109	777	1109
10b	- High Block	1275	1275	1275	0.95	0.5	1.0	0.7	1.0	638	1275	893	1275	0.5	1.0	0.7	1.0	638	1275	893	1275
11	Wai Sum House, Lung Hang Estate																				
11a	- Low Block	1109	1109	1109	0.95	0.5	1.0	0.7	1.0	555	1109	777	1109	0.5	1.0	0.7	1.0	555	1109	777	1109
11b	- High Block	1275	1275	1275	0.95	0.5	1.0	0.7	1.0	638	1275	893	1275	0.5	1.0	0.7	1.0	638	1275	893	1275
12	Proposed Project Works Area	0	186	0	0	0	0	0	0	0	0	0	0	1.0	0	0.5	0	186	0	93	0
R1	Lion Rock Tunnel Road	895	895	901	0	1.0	0.5	1.0	0.5	895	431	895	431	1.0	0.5	1.0	0.5	895	431	895	431
R2	Hung Mui Kuk Road	711	711	711	0	1.0	0.5	1.0	0.5	711	341	711	341	1.0	0.5	1.0	0.5	711	341	711	341
R3	Chung Pak Road & Lung Pak Street	10	10	10	0	1.0	0.8	1.0	0.8	10	8	10	8	1.0	0.8	1.0	0.8	10	8	10	8
R4	Fu Kin Street	11	11	11	0	1.0	0.8	1.0	0.8	11	9	11	9	1.0	0.8	1.0	0.8	11	9	11	9
R5	Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)	20	20	20	0	1.0	0.8	1.0	0.8	20	15	20	15	1.0	0.8	1.0	0.8	20	15	20	15
R6	Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)	8	8	8	0	1.0	1.0	1.0	1.0	8	8	8	8	1.0	1.0	1.0	1.0	8	8	8	8

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Table 1 Detailed Population Data near the LPG Compound

ID	Name	% Occupancy				Population in Year 2041 (Operation Phase)				Shielding Factor	Population in Year 2033 (Base Case) (Fireball)				Protection Factor	Population in Year 2033 (Base Case) (Flash fire, Jet fire)				Shielding Factor	Population in Year 2033 (Construction Phase) (Fireball)			
		WDD	WDN	WED	WEN	WDD	WDN	WED	WEN		WDD	WDN	WED	WEN		WDD	WDN	WED	WEN		WDD	WDN	WED	WEN
1	Pine Court, Worldwide Gardens	0.5	1.0	0.7	1.0	49	98	69	98	0.5	25	49	35	49	0.93	3	7	5	7	0.5	25	49	35	49
2	Hibiscus Court, Worldwide Gardens	0.5	1.0	0.7	1.0	131	261	183	261	0.5	66	131	92	131	0.95	7	13	9	13	0.5	66	131	92	131
3	Lily Court, Worldwide Gardens	0.5	1.0	0.7	1.0	131	261	183	261	0.5	66	131	92	131	0.95	7	13	9	13	0.5	66	131	92	131
4	Laurel Court, Worldwide Gardens	0.5	1.0	0.7	1.0	137	274	192	274	0.5	69	137	96	137	0.95	7	13	9	13	0.5	69	137	96	137
5	Bauhinia Court, Worldwide Gardens	0.5	1.0	0.7	1.0	69	137	96	137	0	69	137	96	137	0.95	3	7	5	7	0	69	137	96	137
6	Anfield School	1.0	0	0	0	362	0	0	0	0.5	181	0	0	0	0	362	0	0	0	0.5	181	0	0	0
7	Begonia Court, Worldwide Gardens	0.5	1.0	0.7	1.0	75	150	105	150	0	75	150	105	150	0.91	7	13	9	13	0	75	150	105	150
8	Cypress Court, Worldwide Gardens	0.5	1.0	0.7	1.0	75	150	105	150	0	75	150	105	150	0.91	7	13	9	13	0	75	150	105	150
9	Pok Oi Hospital Chan Kai Memorial College	1.0	0	0	0	1226	0	0	0	1	0	0	0	0	0.83	204	0	0	0	1	0	0	0	0
10	Sheung Sum House, Lung Hang Estate																							
10a	- Low Block	0.5	1.0	0.7	1.0	555	1109	777	1109	1	0	0	0	0	0.95	28	55	39	55	1	0	0	0	0
10b	- High Block	0.5	1.0	0.7	1.0	638	1275	893	1275	1	0	0	0	0	0.96	28	55	39	55	1	0	0	0	0
11	Wai Sum House, Lung Hang Estate																							
11a	- Low Block	0.5	1.0	0.7	1.0	555	1109	777	1109	0.5	278	555	389	555	0.95	28	55	39	55	0.5	278	555	389	555
11b	- High Block	0.5	1.0	0.7	1.0	638	1275	893	1275	0.5	319	638	447	638	0.96	28	55	39	55	0.5	319	638	447	638
12	Proposed Project Works Area	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
R1	Lion Rock Tunnel Road	1.0	0.5	1.0	0.5	901	432	901	432	1	0	0	0	0	0	895	431	895	431	1	0	0	0	0
R2	Hung Mui Kuk Road	1.0	0.5	1.0	0.5	711	341	711	341	1	0	0	0	0	0	711	341	711	341	1	0	0	0	0
R3	Chung Pak Road & Lung Pak Street	1.0	0.8	1.0	0.8	10	8	10	8	0	10	8	10	8	0	10	8	10	8	0	10	8	10	8
R4	Fu Kin Street	1.0	0.8	1.0	0.8	11	9	11	9	1	0	0	0	0	0	11	9	11	9	1	0	0	0	0
R5	Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)	1.0	0.8	1.0	0.8	20	15	20	15	1	0	0	0	0	0	20	15	20	15	1	0	0	0	0
R6	Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)	1.0	1.0	1.0	1.0	8	8	8	8	1	0	0	0	0	0	8	8	8	8	1	0	0	0	0

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Table 1 Detailed Population Data near the LPG Compound

ID	Name	Protection Factor	Population in Year 2033 (Construction Phase) (Flash fire, Jet fire)				Shielding Factor	Population in Year 2041 (Operation Phase) (Fireball)				Protection Factor	Population in Year 2041 (Operation Phase) (Flash fire, Jet fire)				Remarks
			WDD	WDN	WED	WEN		WDD	WDN	WED	WEN		WDD	WDN	WED	WEN	
1	Pine Court, Worldwide Gardens	0.93	3	7	5	7	0.5	25	49	35	49	0.93	3	7	5	7	Based on 2016 Population By-Census data.
2	Hibiscus Court, Worldwide Gardens	0.95	7	13	9	13	0.5	66	131	92	131	0.95	7	13	9	13	Based on 2016 Population By-Census data.
3	Lily Court, Worldwide Gardens	0.95	7	13	9	13	0.5	66	131	92	131	0.95	7	13	9	13	Based on 2016 Population By-Census data.
4	Laurel Court, Worldwide Gardens	0.95	7	13	9	13	0.5	69	137	96	137	0.95	7	13	9	13	Based on 2016 Population By-Census data.
5	Bauhinia Court, Worldwide Gardens	0.95	3	7	5	7	0	69	137	96	137	0.95	3	7	5	7	Based on 2016 Population By-Census data.
6	Anfield School	0	362	0	0	0	0.5	181	0	0	0	0	362	0	0	0	Based on education bureau website and school website
7	Begonia Court, Worldwide Gardens	0.91	7	13	9	13	0	75	150	105	150	0.91	7	13	9	13	Based on 2016 Population By-Census data.
8	Cypress Court, Worldwide Gardens	0.91	7	13	9	13	0	75	150	105	150	0.91	7	13	9	13	Based on 2016 Population By-Census data.
9	Pok Oi Hospital Chan Kai Memorial College	0.83	204	0	0	0	1	0	0	0	0	0.83	204	0	0	0	Based on education bureau website and school website
10	Sheung Sum House, Lung Hang Estate																Based on 2016 Population By-Census data.
10a	- Low Block	0.95	28	55	39	55	1	0	0	0	0	0.95	28	55	39	55	
10b	- High Block	0.96	28	55	39	55	1	0	0	0	0	0.96	28	55	39	55	
11	Wai Sum House, Lung Hang Estate																Based on 2016 Population By-Census data.
11a	- Low Block	0.95	28	55	39	55	0.5	278	555	389	555	0.95	28	55	39	55	
11b	- High Block	0.96	28	55	39	55	0.5	319	638	447	638	0.96	28	55	39	55	
12	Proposed Project Works Area	0	186	0	93	0	1	0	0	0	0	0	0	0	0	0	
R1	Lion Rock Tunnel Road	0	895	431	895	431	1	0	0	0	0	0	901	432	901	432	Traffic Impact Assessment
R2	Hung Mui Kuk Road	0	711	341	711	341	1	0	0	0	0	0	711	341	711	341	Traffic Impact Assessment
R3	Chung Pak Road & Lung Pak Street	0	10	8	10	8	0	10	8	10	8	0	10	8	10	8	Traffic Impact Assessment
R4	Fu Kin Street	0	11	9	11	9	1	0	0	0	0	0	11	9	11	9	Traffic Impact Assessment
R5	Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)	0	20	15	20	15	1	0	0	0	0	0	20	15	20	15	Traffic Impact Assessment
R6	Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)	0	8	8	8	8	1	0	0	0	0	0	8	8	8	8	Traffic Impact Assessment

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Table 2 Calculation of Road Population

Daytime Road Population

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Lion Rock Tunnel Road													
Total Vehicle per hour	2.36	80	232	3933	1002	87	33	1691	586	190	2	245	8001
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	7	151	65	10	8	65	21	90	0	478	895
Person (%)	-	-	1%	17%	7%	1%	1%	7%	2%	10%	0%	53%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Hung Mui Kuk Road													
Total Vehicle per hour	1.36	50	111	1883	485	41	13	716	249	93	3	292	3885
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	4	67	30	5	3	26	9	41	0	526	711
Person (%)	-	-	1%	9%	4%	1%	0%	4%	1%	6%	0%	74%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Chung Pak Road & Lung Pak Street													
Total Vehicle per hour	0.37	50	11	189	49	4	6	74	25	9	0	0	368
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	2	1	1	1	1	1	2	0	0	10
Person (%)	-	-	10%	20%	10%	10%	10%	10%	10%	20%	0%	0%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Fu Kin Street													
Total Vehicle per hour	0.55	50	5	89	23	2	32	43	15	4	0	0	213
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	2	1	1	3	1	1	1	0	0	11
Person (%)	-	-	9%	18%	9%	9%	27%	9%	9%	9%	0%	0%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)													
Total Vehicle per hour	0.21	50	10	167	42	4	3	64	22	8	0	41	361
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	12	20
Person (%)	-	-	5%	5%	5%	5%	5%	5%	5%	5%	0%	60%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)													
Total Vehicle per hour	0.16	50	8	134	35	3	0	76	26	7	0	3	291
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	0	1	1	1	0	1	8
Person (%)	-	-	13%	13%	13%	13%	0%	13%	13%	13%	0%	13%	100%

Note:

[1] Person per vehicle is based on the occupancy in Year 2019 from Kowloon External Cordon from Transport Department - The Annual Traffic Census 2019

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Table 2 Calculation of Road Population

Night-time Road Population

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Lion Rock Tunnel Road													
Total Vehicle per hour	2.36	80	100	2074	698	17	19	314	115	54	1	129	3521
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	3	80	46	2	5	13	5	26	0	251	431
Person (%)	-	-	1%	19%	11%	0%	1%	3%	1%	6%	0%	58%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Hung Mui Kuk Road													
Total Vehicle per hour	1.36	50	47	940	318	9	7	132	48	26	1	146	1673
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	2	34	20	1	2	5	2	12	0	263	341
Person (%)	-	-	1%	10%	6%	0%	1%	1%	1%	4%	0%	77%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Chung Pak Road & Lung Pak Street													
Total Vehicle per hour	0.37	50	5	93	32	1	3	14	5	3	0	0	155
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	0	8
Person (%)	-	-	13%	13%	13%	13%	13%	13%	13%	13%	0%	0%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Fu Kin Street													
Total Vehicle per hour	0.55	50	2	45	15	0	16	8	3	1	0	0	92
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	2	1	1	1	0	0	9
Person (%)	-	-	11%	11%	11%	11%	22%	11%	11%	11%	0%	0%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)													
Total Vehicle per hour	0.21	50	4	91	31	1	2	12	4	2	0	22	169
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	7	15
Person (%)	-	-	7%	7%	7%	7%	7%	7%	7%	7%	0%	47%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2034)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)													
Total Vehicle per hour	0.16	50	3	66	22	1	0	14	5	2	0	2	115
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	0	1	1	1	0	1	8
Person (%)	-	-	13%	13%	13%	13%	0%	13%	13%	13%	0%	13%	100%

Note:

[1] Person per vehicle is based on the occupancy in Year 2019 from Kowloon External Cordon from Transport Department - The Annual Traffic Census 2019

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Table 2 Calculation of Road Population

Daytime Road Population

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Lion Rock Tunnel Road													
Total Vehicle per hour	2.36	80	235	3988	1016	88	33	1718	595	193	2	245	8114
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	7	153	66	10	8	66	22	91	0	478	901
Person (%)	-	-	1%	17%	7%	1%	1%	7%	2%	10%	0%	53%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Hung Mui Kuk Road													
Total Vehicle per hour	1.36	50	112	1889	487	41	13	718	250	93	3	292	3897
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	4	67	30	5	3	26	9	41	0	526	711
Person (%)	-	-	1%	9%	4%	1%	0%	4%	1%	6%	0%	74%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Chung Pak Road & Lung Pak Street													
Total Vehicle per hour	0.37	50	11	189	49	4	6	74	26	9	0	0	369
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	2	1	1	1	1	1	2	0	0	10
Person (%)	-	-	10%	20%	10%	10%	10%	10%	10%	20%	0%	0%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Fu Kin Street													
Total Vehicle per hour	0.55	50	5	90	23	2	32	43	15	4	0	0	214
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	2	1	1	3	1	1	1	0	0	11
Person (%)	-	-	9%	18%	9%	9%	27%	9%	9%	9%	0%	0%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)													
Total Vehicle per hour	0.21	50	10	168	42	4	3	64	22	8	0	41	363
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	12	20
Person (%)	-	-	5%	5%	5%	5%	5%	5%	5%	5%	0%	60%	100%

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Daytime (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)													
Total Vehicle per hour	0.16	50	8	134	35	3	0	76	26	7	0	3	291
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	0	1	1	1	0	1	8
Person (%)	-	-	13%	13%	13%	13%	0%	13%	13%	13%	0%	13%	100%

Note:

[1] Person per vehicle is based on the occupancy in Year 2019 from Kowloon External Cordon from Transport Department - The Annual Traffic Census 2019

Appendix 11.2

Table 2 Calculation of Road Population

Night-time Road Population

	Road Length (km)	Designed Speed (km/h)	Traffic Flow (veh/hr) at Night-time (Year 2041)										Total
			Motorcycle	Private Car	Taxi	Private Light Bus	Public Light Bus	Light Goods Vehicle	Medium/ Heavy Goods Vehicles	Non-franchised Bus	Franchised Bus (Single Deck)	Franchised Bus (Double Deck)	
Lion Rock Tunnel Road													
Total Vehicle per hour	2.36	80	101	2102	708	17	19	319	117	54	1	129	3567
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	3	81	46	2	5	13	5	26	0	251	432
Person (%)	-	-	1%	19%	11%	0%	1%	3%	1%	6%	0%	58%	100%
Hung Mui Kuk Road													
Total Vehicle per hour	1.36	50	47	943	319	9	7	133	49	26	1	146	1678
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	2	34	20	1	2	5	2	12	0	263	341
Person (%)	-	-	1%	10%	6%	0%	1%	1%	1%	4%	0%	77%	100%
Chung Pak Road & Lung Pak Street													
Total Vehicle per hour	0.37	50	5	94	32	1	3	14	5	3	0	0	156
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	0	8
Person (%)	-	-	13%	13%	13%	13%	13%	13%	13%	13%	0%	0%	100%
Fu Kin Street													
Total Vehicle per hour	0.55	50	2	46	15	0	16	8	3	1	0	0	92
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	2	1	1	1	0	0	9
Person (%)	-	-	11%	11%	11%	11%	22%	11%	11%	11%	0%	0%	100%
Slip road (Lion Rock Tunnel Road to Hung Mui Kuk Road)													
Total Vehicle per hour	0.21	50	4	91	31	1	2	12	4	2	0	22	170
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	1	1	1	1	0	7	15
Person (%)	-	-	7%	7%	7%	7%	7%	7%	7%	7%	0%	47%	100%
Slip road (Hung Mui Kuk Road to Lion Rock Tunnel Road)													
Total Vehicle per hour	0.16	50	3	66	22	1	0	14	5	2	0	2	116
Person per vehicle ^[1]	-	-	1	1.3	2.2	3.7	8	1.3	1.2	16	0	66.1	-
No. of Person	-	-	1	1	1	1	0	1	1	1	0	1	8
Person (%)	-	-	13%	13%	13%	13%	0%	13%	13%	13%	0%	13%	100%

Note:

[1] Person per vehicle is based on the occupancy in Year 2019 from Kowloon External Cordon from Transport Department - The Annual Traffic Census 2019