

**Appendix 3.5**  
**Trips and Vehicle-Kilometre-**  
**Travelled (VKT)**

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**Trips**

**VKT**

Local Roads % within HKSAR 12.58% (2019 Traffic Census)

Hong Kong SAR Trips-per-Day by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	939281.4	17168.78	0
02 - Taxi	14.76396	0	73193.91
03 - Light Goods Vehicles<=2.5t	98.90183	2241.882	0
04 - Lt Goods Vehicles 2.5-3.5t	6644.108	217491.9	0
05 - Light Goods Vehicles>3.5t	0	80484.84	0
06 - Medium Goods Vehicles<=15t	0	51781.59	0
07 - Medium Goods Vehicles15-24t	0	101795.2	0
08 - Public Light Buses	0	8843.945	8449.744
09 - Private Light Bus <=3.5t	472.5099	963.8901	0
10 - Private Light Bus >3.5t	19.15026	8643.869	2549.867
11 - Non-franchised Bus<=6.4t	0	10185.96	0
12 - Non-franchised Bus 6.4-15t	0	7066.586	0
13 - Non-franchised Bus 15-24t	0	15512.9	0
14 - Franchised Bus (SD)	0	2933.663	0
15 - Franchised Bus (DD)	0	62351.05	0
16 - Motorcycles (MC)	387268.3	0	0
17 - Heavy Goods Vehicles>24t	0	26593.44	0
18 - Non-franchised Bus >24t	0	7.9984	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

Hong Kong SAR VKT by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	17910284	305812.4	0
02 - Taxi	1586.375	0	7864616
03 - Light Goods Vehicles<=2.5t	1483.205	36852.67	0
04 - Lt Goods Vehicles 2.5-3.5t	106507.8	3688238	0
05 - Light Goods Vehicles>3.5t	0	1988556	0
06 - Medium Goods Vehicles<=15t	0	1111121	0
07 - Medium Goods Vehicles15-24t	0	2190309	0
08 - Public Light Buses	0	533072.1	509209.6
09 - Private Light Bus <=3.5t	10650.46	35041.65	0
10 - Private Light Bus >3.5t	396.5096	247288.1	53558.07
11 - Non-franchised Bus<=6.4t	0	314180.4	0
12 - Non-franchised Bus 6.4-15t	0	212326.5	0
13 - Non-franchised Bus 15-24t	0	464027.4	0
14 - Franchised Bus (SD)	0	49208.73	0
15 - Franchised Bus (DD)	0	1295957	0
16 - Motorcycles (MC)	1055355	0	0
17 - Heavy Goods Vehicles>24t	0	570376.2	0
18 - Non-franchised Bus >24t	0	239.9847	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

PC	Trips per VKT
PC	0.41728
TAXI	0.07396
LGV3	0.48527
LGV4	0.46941
LGV6	0.32166
HGV7	0.37037
HGV8	0.36936
PLB	0.00000
PV4	0.24984
PV5	0.29582
NFB6	0.25766
NFB7	0.26450
NFB8	0.26569
FBSD	0.00000
FBDD	0.00000
MC	2.91634
HGV9	0.37054
NFB9	0.26488
	0
	0
	0

Year	2024
HKO Met Data	
TEMP (°C)	7
RH (%)	25

**2019 Traffic Census**

Region	Major Road Net	Minor Road Net	All Road Network	
HKI	4856454	1082420	5938874	18.23%
KLN	8010289	1039537	9049826	11.49%
NT	20732342	2714257	23446599	11.58%
<b>Subtotal</b>	<b>33599085</b>	<b>4836214</b>	<b>38435299</b>	
<b>% Share</b>	<b>87.42%</b>	<b>12.58%</b>	<b>100.00%</b>	

**Remark:**

Start emissions of PLB, FBSD and FBDD are not considered in broad-brush approach. Trips/VKT of PLB, FBSD and FBDD are assumed to be 0.

**Trips**

**VKT**

Local Roads % within HKSAR 12.58% (2019 Traffic Census)

Hong Kong SAR Trips-per-Day by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	1037042	17168.78	0
02 - Taxi	7,100225	0	73201.55
03 - Light Goods Vehicles<=2.5t	81,45341	2318.438	0
04 - Lt Goods Vehicles 2.5-3.5t	5811,242	223984.4	0
05 - Light Goods Vehicles>3.5t	0	82517.17	0
06 - Medium Goods Vehicles<=15t	0	53089.13	0
07 - Medium Goods Vehicles15-24t	0	104365.7	0
08 - Public Light Buses	0	12567.22	4725.725
09 - Private Light Bus <=3.5t	234,9773	1201.423	0
10 - Private Light Bus >3.5t	11,4715	9841.997	1359.417
11 - Non-franchised Bus<=6.4t	0	10185.96	0
12 - Non-franchised Bus 6.4-15t	0	7066.587	0
13 - Non-franchised Bus 15-24t	0	15512.9	0
14 - Franchised Bus (SD)	0	2933.863	0
15 - Franchised Bus (DD)	0	62351.05	0
16 - Motorcycles (MC)	427575.5	0	0
17 - Heavy Goods Vehicles>24t	0	27264.96	0
18 - Non-franchised Bus >24t	0	7,9984	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

Hong Kong SAR VKT by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	19912582	321950	0
02 - Taxi	762,9125	0	7865438
03 - Light Goods Vehicles<=2.5t	1340,462	39885.05	0
04 - Lt Goods Vehicles 2.5-3.5t	94535.67	3804086	0
05 - Light Goods Vehicles>3.5t	0	2010846	0
06 - Medium Goods Vehicles<=15t	0	1137952	0
07 - Medium Goods Vehicles15-24t	0	2243421	0
08 - Public Light Buses	0	757493.9	284787.9
09 - Private Light Bus <=3.5t	4792,816	40041.06	0
10 - Private Light Bus >3.5t	210,6419	280200.4	25201.01
11 - Non-franchised Bus<=6.4t	0	313336.5	0
12 - Non-franchised Bus 6.4-15t	0	212191	0
13 - Non-franchised Bus 15-24t	0	464657.3	0
14 - Franchised Bus (SD)	0	49208.74	0
15 - Franchised Bus (DD)	0	1276354	0
16 - Motorcycles (MC)	1184522	0	0
17 - Heavy Goods Vehicles>24t	0	586081.6	0
18 - Non-franchised Bus >24t	0	239,2195	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

	Trips per VKT
PC	0.41406
TAXI	0.07396
LGV3	0.46265
LGV4	0.46844
LGV6	0.32613
HGV7	0.37077
HGV8	0.36972
PLB	0.00000
PV4	0.25462
PV5	0.29159
NFB6	0.25835
NFB7	0.26467
NFB8	0.26533
FBSD	0.00000
FBDD	0.00000
MC	2.86876
HGV9	0.36972
NFB9	0.26572
	0
	0
	0

Year	2029
HKO Met Data	
TEMP (°C)	7
RH (%)	25

**2019 Traffic Census**

Region	Major Road Network	Minor Road Network	All Road Network	
HKI	4856454	1082420	5938874	18.23%
KLN	8010289	1039537	9049826	11.49%
NT	20732342	2714257	23446599	11.58%
<b>Subtotal</b>	<b>33599085</b>	<b>4836214</b>	<b>38435299</b>	
<b>% Share</b>	<b>87.42%</b>	<b>12.58%</b>	<b>100.00%</b>	

**Remark:**

Start emissions of PLB, FBSD and FBDD are not considered in broad-brush approach. Trips/VKT of PLB, FBSD and FBDD are assumed to be 0.

**Trips**

**VKT**

Local Roads % within HKSAR

12.58%

(2019 Traffic Census)

Hong Kong SAR Trips-per-Day by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	1037042	17168.78	0
02 - Taxi	7.100225	0	73201.55
03 - Light Goods Vehicles<=2.5t	81.45341	2318.438	0
04 - Lt Goods Vehicles 2.5-3.5t	5811.242	223984.4	0
05 - Light Goods Vehicles>3.5t	0	82517.17	0
06 - Medium Goods Vehicles<=15t	0	53089.13	0
07 - Medium Goods Vehicles15-24t	0	104365.7	0
08 - Public Light Buses	0	12567.22	4725.725
09 - Private Light Bus <=3.5t	234.9773	1201.423	0
10 - Private Light Bus >3.5t	11.4715	9841.997	1359.417
11 - Non-franchised Bus<=6.4t	0	10185.96	0
12 - Non-franchised Bus 6.4-15t	0	7066.587	0
13 - Non-franchised Bus 15-24t	0	15512.9	0
14 - Franchised Bus (SD)	0	2933.663	0
15 - Franchised Bus (DD)	0	62351.05	0
16 - Motorcycles (MC)	427575.5	0	0
17 - Heavy Goods Vehicles>24t	0	27264.96	0
18 - Non-franchised Bus >24t	0	7.9984	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

Hong Kong SAR VKT by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	19912582	321950	0
02 - Taxi	762.9125	0	7865438
03 - Light Goods Vehicles<=2.5t	1340.462	39885.05	0
04 - Lt Goods Vehicles 2.5-3.5t	94535.67	3804086	0
05 - Light Goods Vehicles>3.5t	0	2010846	0
06 - Medium Goods Vehicles<=15t	0	1137952	0
07 - Medium Goods Vehicles15-24t	0	2243421	0
08 - Public Light Buses	0	757493.9	284787.9
09 - Private Light Bus <=3.5t	4792.816	40041.06	0
10 - Private Light Bus >3.5t	210.6419	280200.4	25201.01
11 - Non-franchised Bus<=6.4t	0	313336.5	0
12 - Non-franchised Bus 6.4-15t	0	212191	0
13 - Non-franchised Bus 15-24t	0	464657.3	0
14 - Franchised Bus (SD)	0	49208.74	0
15 - Franchised Bus (DD)	0	1276354	0
16 - Motorcycles (MC)	1184522	0	0
17 - Heavy Goods Vehicles>24t	0	586081.6	0
18 - Non-franchised Bus >24t	0	239.2195	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

	Trips per VKT
PC	0.41406
TAXI	0.07396
LGV3	0.46265
LGV4	0.46844
LGV6	0.32613
HGV7	0.37077
HGV8	0.36972
PLB	0.00000
PV4	0.25462
PV5	0.29159
NFB6	0.25835
NFB7	0.26467
NFB8	0.26533
FBSD	0.00000
FBDD	0.00000
MC	2.86876
HGV9	0.36972
NFB9	0.26572
	0
	0
	0

Year	2029
HKO Met Data	
TEMP (°C)	7
RH (%)	25

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**Trips**

**VKT**

Local Roads % within HKSAR

12.58%

(2019 Traffic Census)

Hong Kong SAR Trips-per-Day by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	1122858	17168.78	0
02 - Taxi	0.5905282	0	73208.09
03 - Light Goods Vehicles<=2.5t	79.21535	2405.943	0
04 - Lt Goods Vehicles 2.5-3.5t	5531.487	232428.6	0
05 - Light Goods Vehicles>3.5t	0	85448.94	0
06 - Medium Goods Vehicles<=15t	0	54975.35	0
07 - Medium Goods Vehicles15-24t	0	108073.7	0
08 - Public Light Buses	0	16393.37	898.8064
09 - Private Light Bus <=3.5t	88.96358	1347.437	0
10 - Private Light Bus >3.5t	3.89979	10712.9	496.0865
11 - Non-franchised Bus<=6.4t	0	10185.96	0
12 - Non-franchised Bus 6.4-15t	0	7066.586	0
13 - Non-franchised Bus 15-24t	0	15512.9	0
14 - Franchised Bus (SD)	0	2933.663	0
15 - Franchised Bus (DD)	0	62351.05	0
16 - Motorcycles (MC)	462957.5	0	0
17 - Heavy Goods Vehicles>24t	0	28233.67	0
18 - Non-franchised Bus >24t	0	7.9984	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

Hong Kong SAR VKT by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	21166820	322578.6	0
02 - Taxi	63.45173	0	7866141
03 - Light Goods Vehicles<=2.5t	1276.774	39528.84	0
04 - Lt Goods Vehicles 2.5-3.5t	90387.79	3915840	0
05 - Light Goods Vehicles>3.5t	0	2135875	0
06 - Medium Goods Vehicles<=15t	0	1180736	0
07 - Medium Goods Vehicles15-24t	0	2324890	0
08 - Public Light Buses	0	988116.6	54165.05
09 - Private Light Bus <=3.5t	1646.977	44985.89	0
10 - Private Light Bus >3.5t	63.03057	293569.4	8123.019
11 - Non-franchised Bus<=6.4t	0	312712.4	0
12 - Non-franchised Bus 6.4-15t	0	212153.2	0
13 - Non-franchised Bus 15-24t	0	463964.7	0
14 - Franchised Bus (SD)	0	49208.74	0
15 - Franchised Bus (DD)	0	1365506	0
16 - Motorcycles (MC)	1256885	0	0
17 - Heavy Goods Vehicles>24t	0	606351.1	0
18 - Non-franchised Bus >24t	0	239.554	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

	Trips per VKT
PC	0.42161
TAXI	0.07396
LGV3	0.48402
LGV4	0.47206
LGV6	0.31795
HGV7	0.37003
HGV8	0.36944
PLB	0.00000
PV4	0.24480
PV5	0.29532
NFB6	0.25887
NFB7	0.26472
NFB8	0.26573
FBSD	0.00000
FBDD	0.00000
MC	2.92732
HGV9	0.37006
NFB9	0.26535
	0
	0
	0

Year	2036
HKO Met Data	
TEMP (°C)	7
RH (%)	25

**2019 Traffic Census**

Region	Major Road Network	Minor Road Network	All Road Network	
HKI	4856454	1082420	5938874	18.23%
KLN	8010289	1039537	9049826	11.49%
NT	20732342	2714257	23446599	11.58%
<b>Subtotal</b>	<b>33599085</b>	<b>4836214</b>	<b>38435299</b>	
<b>% Share</b>	<b>87.42%</b>	<b>12.58%</b>	<b>100.00%</b>	

**Remark:**  
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**Trips**

**VKT**

Local Roads % within HKSAR 12.58% (2019 Traffic Census)

Hong Kong SAR Trips-per-Day by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	1215895	17168.77	0
02 - Taxi	1.73E-02	0	73208.64
03 - Light Goods Vehicles<=2.5t	88.13277	2498.19	0
04 - Lt Goods Vehicles 2.5-3.5t	5694.678	241952.1	0
05 - Light Goods Vehicles>3.5t	0	88927.33	0
06 - Medium Goods Vehicles<=15t	0	57213.23	0
07 - Medium Goods Vehicles15-24t	0	112473.1	0
08 - Public Light Buses	0	17262.89	29.11801
09 - Private Light Bus <=3.5t	28.1294	1408.271	0
10 - Private Light Bus >3.5t	1.022416	11048.73	163.1272
11 - Non-franchised Bus<=6.4t	0	10185.96	0
12 - Non-franchised Bus 6.4-15t	0	7066.587	0
13 - Non-franchised Bus 15-24t	0	15512.9	0
14 - Franchised Bus (SD)	0	2933.663	0
15 - Franchised Bus (DD)	0	62351.05	0
16 - Motorcycles (MC)	501316.7	0	0
17 - Heavy Goods Vehicles>24t	0	29382.98	0
18 - Non-franchised Bus >24t	0	7.9984	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

Hong Kong SAR VKT by Vehicle/Fuel	Petrol	Diesel	LPG
01 - Private Cars (PC)	23056750	321831	0
02 - Taxi	1.859837	0	7866199
03 - Light Goods Vehicles<=2.5t	1454.655	42592.12	0
04 - Lt Goods Vehicles 2.5-3.5t	94141.74	4118656	0
05 - Light Goods Vehicles>3.5t	0	2192140	0
06 - Medium Goods Vehicles<=15t	0	1228219	0
07 - Medium Goods Vehicles15-24t	0	2420256	0
08 - Public Light Buses	0	1040527	1754.748
09 - Private Light Bus <=3.5t	480.9819	46026.12	0
10 - Private Light Bus >3.5t	15.60362	306691.4	2438.528
11 - Non-franchised Bus<=6.4t	0	311353.4	0
12 - Non-franchised Bus 6.4-15t	0	212110.6	0
13 - Non-franchised Bus 15-24t	0	464427.5	0
14 - Franchised Bus (SD)	0	49208.73	0
15 - Franchised Bus (DD)	0	1276351	0
16 - Motorcycles (MC)	1363529	0	0
17 - Heavy Goods Vehicles>24t	0	632651.3	0
18 - Non-franchised Bus >24t	0	238.9561	0
19 - <Placeholder (P3)>	0	0	0
20 - <Placeholder (P4)>	0	0	0
21 - <Placeholder (P5)>	0	0	0

	Trips per VKT
PC	0.41917
TAXI	0.07396
LGV3	0.46665
LGV4	0.46718
LGV6	0.32240
HGV7	0.37021
HGV8	0.36933
PLB	0.00000
PV4	0.24546
PV5	0.28826
NFB6	0.26000
NFB7	0.26477
NFB8	0.26546
FBSD	0.00000
FBDD	0.00000
MC	2.92195
HGV9	0.36911
NFB9	0.26602
	0
	0
	0

Year	2044
HKO Met Data	
TEMP (°C)	7
RH (%)	25

**2019 Traffic Census**

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