

Appendix 3.7 Traffic Flow for 2017

Notes:

Additional traffic flow during operation phase

31 pcu/hr AM
15 veh/hour AM
0 pcu/hr AM

30 pcu/hr PM
16 veh/hour PM
0 pcu/hr PM

on Kong Nga Po Road
on Kong Nga Po Road
on Man Kam To Road

Reference Table 4.1 of TIA
According to Fig 4.1 of TIA all additional OWTF2 traffic turns south

Worst Case emissions are expected in

2017

as evidenced in EIA 210/2013 Table 3.8, EIA 209/2013 Table 5.12, EIA 208/2013 Table 4.28

Extracted from Appendix 3.4

EMFAC vehicle class

Fuel Type

HGV

as the proportion of HGV servicing OWTF2 is not known. Assume it is the same as general population

HGV7	Petrol	0.0%
	Diesel	26.1%
	LPG	0.0%
HGV8	Petrol	0.0%
	Diesel	73.9%
	LPG	0.0%

measured May 2012
veh:pcu conversion

veh/hour

Total Growth

Man Kam To AM	602	662 Based on counted and cumulative growth of 1.8%pa
Man Kam To PM	504	554
Kong Nga Po AM	91	100
Kong Nga Po PM	91	100

General growth based on projected population from EMFAC2.5 (for pop propotion), ATC data 2002-2011 (for total pop and growth rates)

		601	504	90	91	662	554	100	100	662	554	115	116	Total
EMFAC vehicle class	Fuel Type	Measured May 2012				Projected Growth (no OWTF2)				Projected Growth (with OWTF2)				
		Man Kam To AM	Man Kam To PM	Kong Nga Po AM	Kong Nga Po PM	Man Kam To AM	Man Kam To PM	Kong Nga Po AM	Kong Nga Po PM	Man Kam To AM	Man Kam To PM	Kong Nga Po AM	Kong Nga Po PM	
PC	Petrol													
	Diesel													
	LPG	145	148	37	41	175	178	44	44	175	178	44	44	
Taxi	Petrol													
	Diesel													
	LPG	14	15	6	5	15	16	6	6	15	16	6	6	
LGV3	Petrol													
	Diesel													
	LPG	1	1	0	0	1	1	0	0	1	1	0	0	
LGV4	Petrol													
	Diesel													
	LPG	28	21	9	6	30	22	9	7	30	22	9	7	
LGV6	Petrol													
	Diesel													
	LPG	16	12	5	3	17	13	5	3	17	13	5	3	
HGV7	Petrol													
	Diesel													
	LPG	152	132	16	16	160	139	17	18	160	139	21	22	Projection + additional taffic due to OWTF2 eg. (for KNP AMpeak 17 + 26.1% x 15)
HGV8	Petrol													
	Diesel													
	LPG	145	140	14	17	153	148	15	19	153	148	26	31	Projection + additional taffic due to OWTF2
PLB	Petrol													
	Diesel													
	LPG	12	8	1	0	13	8	1	0	13	8	1	0	
PV4	Petrol													
	Diesel													
	LPG	36	8	0	0	40	8	0	0	40	8	0	0	
PV5	Petrol													
	Diesel													
	LPG	30	7	0	0	34	7	0	0	34	7	0	0	
NFB6	Petrol													
	Diesel													
	LPG	3	1	0	0	3	1	0	0	3	1	0	0	
NFB7	Petrol													
	Diesel													
	LPG	2	1	0	0	2	1	0	0	2	1	0	0	
NFB8	Petrol													
	Diesel													
	LPG	2	1	0	0	2	1	0	0	2	1	0	0	
FBSD	Petrol													
	Diesel													
	LPG	1	1	0	0	1	1	0	0	1	1	0	0	
FBDD	Petrol													
	Diesel													
	LPG	9	8	0	0	10	8	0	0	10	8	0	0	
MC	Petrol													
	Diesel													
	LPG	5	0	2	3	6	0	2	3	6	0	2	3	