

Table 1: Design capacity of various road sections in Kwun Tong

Road section	Design capacity (Passenger car unit/hour)
Kwun Tong Road (eastbound and westbound each)	9 000
Kwun Tong Bypass (eastbound and westbound each)	5 400
Clear Water Bay Road (eastbound and westbound each)	5 400
Hoi Yuen Road (southbound only)	5 400

Table 2: Average vehicle speed at Kwun Tong Road, Kwun Tong Bypass and Clear Water Bay Road

Road section	Average vehicle speed during the morning peak hours (km/h)				
	2009	2010	2011	2012	2013
Kwun Tong Road eastbound	34.5	29.4	27.7	35.8	40.2
Kwun Tong Road westbound	45.0	43.4	37.2	51.4	45.9
Kwun Tong Bypass eastbound	66.8	67.5	65.6	64.3	66.6
Kwun Tong Bypass westbound	69.0	66.9	60.3	61.1	65.8
Clear Water Bay Road near Choi Hung Interchange (eastbound)	30.3	20.5	26.3	30.3	21.0
Clear Water Bay Road bound for Lung Cheung Road near Choi Hung Interchange (westbound)	27.4	24.2	22.6	20.3	19.7

Table 3: Traffic volume at Kwun Tong Road, Kwun Tong Bypass and Clear Water Bay Road

Road section	Traffic volume during the morning peak hours (vehicle/hour)				
	2009	2010	2011	2012	2013
Kwun Tong Road eastbound	5 530	5 590	5 580	5 780	5 720
Kwun Tong Road westbound	4 850	4 930	5 020	5 050	4 950
Kwun Tong Bypass eastbound	3 730	3 860	4 010	3 850	4 160
Kwun Tong Bypass westbound	4 400	4 310	4 080	4 140	4 060
Clear Water Bay Road near Choi Hung Interchange (eastbound)	2 410	2 510	2 500	2 530	2 640
Clear Water Bay Road bound for Lung Cheung Road near Choi Hung Interchange (westbound)	2 850	2 470	2 710	2 680	2 740

Table 4: Year-on-year growth rate of traffic volume at Kwun Tong Road, Kwun Tong Bypass and Clear Water Bay Road

Road section	Year-on-year growth rate of traffic volume during the morning peak hours			
	2010	2011	2012	2013
Kwun Tong Road eastbound	+1.08%	-0.18%	+3.58%	-1.04%
Kwun Tong Road westbound	+1.65%	+1.83%	+0.60%	-1.98%
Kwun Tong Bypass eastbound	+3.49%	+3.89%	-3.99%	+8.05%
Kwun Tong Bypass westbound	-2.05%	-5.34%	+1.47%	-1.93%
Clear Water Bay Road near Choi Hung Interchange (eastbound)	+4.15%	-0.40%	+1.20%	+4.35%
Clear Water Bay Road bound for Lung Cheung Road near Choi Hung Interchange (westbound)	-13.33%	+9.72%	-1.11%	+2.24%

Table 5: Volume to capacity (v/c) ratio at Kwun Tong Road, Kwun Tong Bypass and Clear Water Bay Road

Road section	v/c ratio* during the morning peak hours				
	2009	2010	2011	2012	2013
Kwun Tong Road eastbound	0.74	0.75	0.74	0.77	0.76
Kwun Tong Road westbound	0.65	0.66	0.67	0.67	0.66
Kwun Tong Bypass eastbound	0.83	0.86	0.89	0.86	0.92
Kwun Tong Bypass westbound	0.98	0.96	0.91	0.92	0.90
Clear Water Bay Road near Choi Hung Interchange (eastbound)	0.54	0.56	0.56	0.56	0.59
Clear Water Bay Road bound for Lung Cheung Road near Choi Hung Interchange (westbound)	0.63	0.55	0.60	0.60	0.61

* A v/c ratio is normally used to reflect the traffic situation during peak hours. A v/c ratio equal to or less than 1.0 means that the road has sufficient capacity to cope with the anticipated traffic volume. A v/c ratio above 1.0 indicates the onset of mild congestion and a v/c ratio between 1.0 and 1.2 indicates a manageable degree of congestion.