

Appendix 3.6 Projected Growth

Appendix 3.6: Projected Population Growth

Growth Rate

Based on the data from 2002-2011	Private Vehicles (MC & PC) are expected to grow by	+2.5% per year
	Taxis, Franchised Buses and Public Light Buses	+0.0% per year
	Non franchised buses	+0.4% per year
	Goods vehicles show -0.5% assume for conservatism	+0.0% per year
	Private Light Bus	+1.0% per year
	Government Vehicle	-0.9% per year

Based on Man Kam To Road AADT (measured) growth	+1.8% per year
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Formula A

$$M = P(1 + i)^n$$

Value

Definition

M is the projection.

P is the vehicle population in 2011.

i is the growth rate per year.

5.5 n is the number of years invested (mid 2012 to end 2017)

Extracted from ATC 2003-2011

Vehicles Registered and Licensed in 2002 to 2011

Vehicle Class	Vehicle Registered			Vehicle Registered			Vehicle Registered			Vehicle Registered			Change Over 2002-2011	Average Percent Changed
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Projection 2017			
Motor Cycle	38 678	41 128	43 620	45 943	47 992	50 140	52 008	52 933	53 823	55 286	63 220		+16,608	+4.1%
Private Car	384 864	382 880	385 028	388 311	393 756	406 995	421 062	429 754	449 400	471 685	539 376		+86,821	+2.3%
Private Vehicles (Table1 EMFAC guideline Jan 2013)	423 542	424 008	428 648	434 254	441 748	457 135	473 070	482 687	503 223	526 971	602 596		+103,429	+2.5%
Taxi	18 138	18 138	18 138	18 138	18 138	18 138	18 138	18 138	18 138	18 138	18 138		+0	+0.0%
Bus (franchised)	6 453	6 238	6 040	5 888	5 872	5 920	5 830	5 799	5 796	5 821	5 821		- 632	-1.1%
Bus (Non-franchised and Private)	7 308	7 696	7 704	7 659	7 572	7 563	7 578	7 570	7 570	7 570	7 741		+262	+0.4%
Goods Vehicle (incl. Special Purpose Vehicle)	124 895	122 438	122 231	122 911	123 607	121 771	118 911	115 430	116 241	118 726	118 726		-6 169	-0.5%
Public Light Bus	4 350	4 350	4 350	4 350	4 350	4 350	4 350	4 350	4 350	4 350	4 350		+0	+0.0%
Private Light Bus	2 042	1 979	1 935	1 897	1 900	1 935	1 971	2 020	2 093	2 216	2 335		+174	+1.0%
Government Vehicle	6 823	6 654	6 498	6 394	6 408	6 320	6 295	6 276	6 315	6 297	5 998		- 526	-0.9%
Total	593 551	591 501	595 544	601 491	609 595	623 132	636 143	642 270	663 726	690 089	773 096		+96,538	+1.7%

based on Formula A

Extracted from ATC 2003-2011

Appendix B - AADT of Counting Stations (for Str. No. 5465)

	Average	Average	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Man Kam To Road AADT (measured)	16 892	16 090	18 460	18 590	16 940	16 900	17 100	17 240	17 250	14 980	15 540	15 920
Percentage Difference	-1.5%	+1.8%		+0.7%	-8.9%	-0.2%	+1.2%	+0.8%	+0.1%	-13.2%	+3.7%	+2.4%