

Appendix B:

System Performance of the Draft RTP 25-Year Plan for Regional Rapid Transit and Highway Improvements

Indicators	2006	25-Year BAU	25-Year RTP
Transit trips by destination region in the AM Peak Period:			
Toronto:	398,000	518,187	731,754
Durham:	8,600	20,994	40,181
York:	14,600	56,130	99,462
Peel:	25,600	69,433	132,661
Halton:	4,300	17,140	38,815
Hamilton:	15,000	18,536	34,572
Total:	466,700	700,420	1,077,445
Total annual transit trips (millions):			
	546.0	819.5	1,260.6
Transit modal-split by destination region:			
Toronto:	30.4%	32.3%	44.5%
Durham:	4.1%	5.7%	11.2%
York:	3.7%	7.7%	14.1%
Peel:	4.7%	8.5%	16.6%
Halton:	2.2%	4.7%	11.2%
Hamilton:	7.9%	7.2%	13.4%
Total:	16.5%	16.9%	26.2%
New km of rapid transit by region:			
Toronto:	-	6	438
Durham:	-	0	131
York:	-	2	246
Peel:	-	17	149
Halton:	-	0	123
Hamilton:	-	0	58
Total:	-	25	1,146
Percent of commuters who can get to work within 45 minutes via transit, auto:			
Transit:	38%	39-43%	52-56%
Auto:	60%	58-62%	59-63%

Indicators	2006	25-Year BAU	25-Year RTP
Percent of population by region within 2 km of rapid transit:			
Toronto:	60-65%	65-70%	95-100%
Durham:	10-15%	5-10%	55-60%
York:	25-30%	30-35%	65-70%
Peel:	25-30%	55-60%	55-60%
Halton:	25-30%	25-30%	50-55%
Hamilton:	10-15%	15-20%	65-70%
Total:	42%	47%	75%
Average home based work trip length (km):			
	15.2	14.9	15.6
Vehicle kilometres of travel:			
Millions of VKT for a.m. peak hour	12.5	16.8	14.4
Vehicle kilometres of travel per capita	2.1	2.0	1.7
Am Peak period auto trips:			
	2,068,000	3,106,931	2,609,942
Active transportation (AT) modal-split:			
	9%	9.0%	12.5%
Total annual fuel and electricity consumption:			
Auto (billion Litres):	4.40	5.20	4.48
Auto (million Gigajoules):	153	181	156
Transit (million Gigajoules):	5.59	7.25	8.63
GHG emissions:			
Total auto GHG emissions (million tonnes/year)	13.8	14.5 - 16.9	12.5 - 14.6
Per capita auto GHG emissions (tonnes/year)	2.3	1.68 - 1.96	1.45 - 1.69
Total transit GHG emission levels (million tonnes/year)	0.47	0.53 - 0.61	0.56 - 0.65
Total transportation GHG emissions (million tonnes/year)	14.3	14.9 - 17.4	12.9 - 15.0
Auto and transit criteria air pollutant total emissions (total million kg/year and grams/person-km):			
CO:	475 / 8.54	308 / 3.89	264 / 3.17
NOx:	37.51 / 0.67	21.50 / 0.27	14.85 / 0.18
SOx:	0.504 / 0.009	0.697 / 0.009	0.476 / 0.006
VOCs:	28.5 / 0.51	10.7 / 0.14	9.1 / 0.11
PM10:	0.700 / 0.0126	0.851 / 0.0108	0.732 / 0.0088
PM2.5:	0.343 / 0.0062	0.376 / 0.0048	0.324 / 0.0039