



Transit Travel time Indicator Report – March 2007

Tauranga Results

1. The table summarises the findings of the travel time surveys from March 2007, comparing them with the previous survey results, which commenced in April 2003. Changes to methodology in 2003 and 2004 means there is comparable data for March dating back to 2005.
2. The network results are comprised of averages across the network. This means that the results for specific areas will differ from the reported network averages. In some areas congestion will be getting worse, and in some areas congestion is getting better.
3. A key feature of Tauranga is that congestion is an all day occurrence, and is not confined to peak periods. The difference between peak and off-peak travel time and congestion indicator for Tauranga is less than for any other city surveyed.
4. The Tauranga travel time data was looked at in more detail to understand the improving network performance. It has been found that although average travel speeds for the network as a whole are improving, this has obscured deterioration on some key parts of the network.
5. The average actual travel speeds for AM peak period has increased by 1km/hr to 54 km/hr for March 2007. This is the highest March AM value yet recorded.
6. The PM peak has decreased by 1km/hr down to 53 km/hr for March 2007. PM peak travel speeds have remained relatively constant, with all previous March surveys maintaining an average actual travel speed of 54km/hr for the PM peak.
7. Tauranga also records weekend travel speeds. The weekend average actual travel speed has decreased 1 km/hr to 58 km/hr for March 2007.
8. The congestion indicator for AM peak period is 0.34 minutes (20 seconds) delay/km, having dropped for two years in a row.
9. The congestion indicator for PM peak period has increased by 0.03 minutes (2 seconds) delay/km to 0.37 minutes (22 seconds) delay/km for March 2007. This is the highest yet recorded for March surveys.
10. Congestion indicators for weekend traffic for March 2007 has increased slightly to 0.26 minutes (16 seconds) delay/km.

11. As in previous years, the weekend congestion indicators for Tauranga are very similar to those for weekday interpeak periods at 0.28 minutes (17 seconds) delay/km for weekday interpeak periods and 0.26 minutes (16 seconds) delay/km for weekends.
12. Travel time variability for March 2007 increased slightly for AM and weekend peak periods, but remained constant for interpeak and PM peak periods.

Table 1: Summary of Tauranga Travel Time Performance Indicators

Indicator	Period	Comparison of Results		
		Mar 05	Mar 06	Mar 07
Average Actual Travel Speed (km/hr)	Weekday AM Peak	49	53	54
	Weekday Interpeak	54	57	57
	Weekday PM Peak	54	54	53
	Weekday All Day	52	54	55
	Weekend	57	59	58
Nominal Travel Speed (km/hr)		78	78	78
Congestion Indicator, CGI (Delay/ km)	Weekday AM Peak	0.47	0.36	0.34
	Weekday Interpeak	0.35	0.29	0.28
	Weekday PM Peak	0.35	0.35	0.37
	Weekday All Day	0.39	0.34	0.33
	Weekend	0.28	0.25	0.26
Variability of Travel Time	Weekday AM Peak	14%	10%	12%
	Weekday Interpeak	10%	8%	8%
	Weekday PM Peak	12%	18%	18%
	Weekday All Day	12%	12%	13%
	Weekend	11%	8%	10%

Tauranga's Monitoring Network

Road Type	Monitored Length (km)
Motorway	142.2 km
State Highway	8.2 km
Regional Arterial	87.8 km