



Transit Travel time Indicator Report – March 2007

Christchurch Results

1. The table summarises the findings of the travel time surveys from March 2007, comparing them with the previous annual survey results, which commenced in March 2004.
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. Care must be taken when comparing Christchurch data between years. The routes for March 2005 differ from those of 2004, as the routes were fine-tuned. The start times for the 2006 survey were amended at the request of the Christchurch City Council to capture the 'pinch-points' times for peak congestion. However, the March 2007 collection methodologies were the same as March 2006, allowing direct comparisons to be made.
4. The March 2007 survey results are very similar to the Christchurch March 2006 results.
5. The March 2007 AM peak average actual travel speeds have slightly increased to 35 km/hr in 2007, from 34 km/hr in 2006.
6. The PM peak average actual travel speed of 35km/hr is the same in March 2007 as it was in March 2006.
7. The March 2007 AM congestion indicator of 0.75 minutes (45 seconds) delay/km is 0.01 minute (1 second) delay/km lower than March 2006.
8. The March 2007 interpeak congestion indicator of 0.43 minutes (26 seconds) delay/km is 0.03 minute (2 seconds) delay/km lower than March 2006.
9. The March 2007 PM congestion indicator of 0.72 minutes (43 seconds) delay/km is 0.02 minutes (1 second) delay/km lower than March 2006.
10. Variability has remained relatively constant for surveys conducted for Christchurch.

Table 1: Summary of Christchurch Travel Time Performance Indicators

Indicator	Period	Comparison of Results	
		Mar-06	Mar-07
Average Actual Travel Speed (km/h)	AM Peak	34	35
	Interpeak	42	43
	PM Peak	35	35
	All Day	37	37
Nominal Travel Speed		61	61
Congestion Indicator (CGI) (delay/km)	AM Peak	0.76	0.75
	Interpeak	0.43	0.40
	PM Peak	0.74	0.72
	All Day	0.65	0.63
Variability of Travel Time	AM Peak	19%	17%
	Interpeak	16%	12%
	PM Peak	18%	19%
	All Day	18%	16%

Christchurch's Monitoring Network

Road Type	Total Length (km)	Monitored Length (km)	Monitored Percentage
State Highway	93 km	93 km	100%
Regional Arterial	690 km	82 km	12%