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Vehicle speeds in South Australia 2011

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Vehicle speeds in South Australia 2011

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ABSTRACT

A systematic and ongoing method of measuring vehicle speeds was introduced in South Australia in 2007 in order to assess the effects of speed reduction countermeasures and to monitor the speed behaviour of South Australian motorists over time. This Report summarises the data collected in 2011 and makes comparisons with previous surveys and partial surveys dating back to 2002. Low speed roads showed a marked reduction in mean speed following the introduction of the default 50 km/h speed limit in 2003 and for some years after. Mean speeds on these roads generally went up from 2005 to 2007 but down again in 2008. Mean speeds on these roads remained relatively unchanged between 2008 and 2009. The metropolitan roads showed a reduction in speeds between 2009 and 2010. No change was evident between 2010 and 2011. The speeds of vehicles on high speed rural roads have remained relatively unchanged between 2006 and 2011 with the exception of a small but statistically significant increase in the speeds of vehicles on 110 km/h roads between 2010 and 2011. It is not clear what the reasons for all of the observed speed changes are although the lowering of the police enforcement tolerance in 2008 and a large advertising campaign may have played some role in the speed changes between 2007 and 2008.

KEYWORDS

Vehicle speed, Speed limit, Driver behaviour, Urban road, Rural road, Statistics.

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Summary

A systematic and ongoing method of measuring vehicle speeds was introduced in South Australia in 2007 in order to assess the effects of speed reduction countermeasures and to monitor the speed behaviour of South Australian motorists over time.

This Report summarises the data collected in 2011 and makes comparisons with previous surveys and partial surveys dating back to 2002. The summary mean speeds by road type and survey year are shown in the following Table.

Summary mean speeds (km/h) by road type and survey year

Road type	2002	2003	2005	2006	2007	2008	2009	2010	2011
Adelaide 50 km/h local**	46.90	44.76*	43.34*		44.24*	43.75*	44.10	43.37*	43.56
Adelaide 50 km/h collector**	53.83	51.52*	50.23*		50.65	49.79	49.67	49.46	49.74
Adelaide 60 km/h arterial	58.37	57.06*	56.36*		56.76	55.96*	55.82	55.53*	55.43
Adelaide 80 km/h arterial					74.24	74.26	73.91	72.82*	72.22
Rural 50 km/h local**	44.52	44.34	42.90*		43.50	42.65*	41.87	42.15	42.71
Rural 60 km/h arterial				58.10	58.55	58.15	57.69	57.59	57.70
Rural hills 80 km/h arterial					78.50	76.59	77.15	77.41	***
Rural 100 km/h arterial				97.86	98.06	96.83	96.87	96.66	97.24
Rural 110 km/h arterial				102.77	103.38	103.23	103.38	103.02	103.64*

* statistically significant change from previous survey ($p < 0.05$)

** 50 km/h roads were zoned at 60 km/h in 2002

*** No usable data was collected in 2011

Low speed roads showed a marked reduction in mean speed following the introduction of the default 50 km/h speed limit in 2003 and for some years after. Mean speeds on these roads generally went up from 2005 to 2007 but down again in 2008. Mean speeds on these roads remained relatively unchanged between 2008 and 2009. The metropolitan roads showed a reduction in speeds between 2009 and 2010. No change was evident between 2010 and 2011.

The speeds of vehicles on high speed rural roads have remained relatively unchanged between 2006 and 2011 with the exception of a small but statistically significant increase in the speeds of vehicles on 110 km/h roads between 2010 and 2011.

It is not clear what the reasons for all of the observed speed changes are although the lowering of the police enforcement tolerance in 2008 and a large advertising campaign may have played some role in the speed changes between 2007 and 2008.

A few incorrectly classified 100 km/h and 110 km/h sites from previous years were identified and corrected in this report. This means the historical results presented here for those categories differ slightly from those in previous reports in this series.

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1 Introduction

Speed is an important determinant of crash incidence and outcome and numerous initiatives are being implemented in South Australia with the aim of reducing the speeds of vehicles. A systematic and ongoing method of measuring vehicle speeds in South Australia is required to assess the effects of speed reduction countermeasures and to monitor the speed behaviour of motorists over time.

The Department of Planning, Transport and Infrastructure has, for a number of years, contracted CASR to oversee and analyse speed data from a selection of sites in South Australia. The first full set of measurements was taken in 2007 and are reported in Kloeden and Woolley (2009). Follow up surveys were conducted in 2008, 2009 and 2010 (Kloeden and Woolley, 2010; Kloeden and Woolley, 2012; Kloeden and Woolley, 2012a).

This Report summarises the data collected in 2011 and compares it with previous surveys and partial surveys dating back to 2002.

2 Methodology

2.1 Site selection

Table 2.1 shows the number of sites surveyed in each year by road type. Table 2.2 shows the number of site/direction combinations that were successfully surveyed in each year by road type. The individual site locations are listed in Appendix A and the site/direction identifiers and the individual site results are listed in Appendix B.

Table 2.1
Number of speed survey sites by road type and survey year

Road type (speed limit)	2002 1 day	2003 1 day	2005 1 day	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
Adelaide local (50)*	18	18	18	-	18	18	18	18	17
Adelaide collector (50)*	11	11	11	-	11	10	11	11	11
Adelaide arterial (60)	10	10	10	-	27	27	27	27	24
Adelaide arterial (80)	-	-	-	-	6	6	6	6	5
Rural local (50)*	12	12	12	-	13	13	13	12	10
Rural arterial (60)	-	-	-	5	5	5	5	5	5
Rural hills arterial (80)	-	-	-	-	4	6	6	6	-
Rural arterial (100)	-	-	-	5	9	9	10	10	10
Rural arterial (110)	-	-	-	9	36	35	34	35	34
Total	51	51	51	19	129	129	130	130	116

* these roads were 60 km/h in 2002

Table 2.2
Number of speed survey measurements by road type and survey year

Road type (speed limit)	2002 1 day	2003 1 day	2005 1 day	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
Adelaide local (50)*	35	35	35	-	35	35	34	34	33
Adelaide collector (50)*	22	22	22	-	22	20	22	22	22
Adelaide arterial (60)	20	20	20	-	54	54	53	54	47
Adelaide arterial (80)	-	-	-	-	12	12	12	12	10
Rural local (50)*	23	23	23	-	25	25	25	23	20
Rural arterial (60)	-	-	-	10	10	10	10	10	10
Rural hills arterial (80)	-	-	-	-	8	12	12	12	-
Rural arterial (100)	-	-	-	10	18	18	20	20	20
Rural arterial (110)	-	-	-	18	72	70	68	70	68
Total	100	100	100	38	256	256	256	257	230

* these roads were 60 km/h in 2002

The 2002-2005 sites were those used in the evaluation of the introduction of the default 50 km/h speed limit (Kloeden, Woolley and McLean; 2004, 2006). These sites were surveyed by a contractor for one day each in 2002, 2003 and 2005. These sites were surveyed by a contractor again in 2007, 2008, 2009, 2010 and 2011 for a full week mostly in November. Some of these sites had to be remeasured after November due to equipment malfunctions.

Additional sites were surveyed in 2007 for a full week mostly in August or November (see Appendix A for site sample months). Some of these sites were also sampled for a week in 2006.

Some sites had their sample location moved or had their layout changed and so were given a new site ID and considered to be a new site to reflect the fact that speeds were not comparable before and after the change (details are given in Appendix A).

2.2 Data collected

The data was collected in most cases using a standard traffic counter box and surface tubes that were set up by either a contractor or DTEI personnel. At some sites, induction loops were used for measurements. The following information was recorded for each vehicle that passed during each survey period:

- date
- time (to nearest second)
- direction of travel
- speed (to nearest 0.1 km/h)
- wheelbase (to nearest 0.1 m)
- headway (to nearest 0.1 second)
- gap (to nearest 0.1 second)
- number of axles
- class of vehicle (based on number of axles and wheel bases)

The aim was to capture data at each site for a continuous one week period either in August or November depending on the site. Due to equipment malfunctions, some of the time periods had to be extended to capture a full week of valid data.

Due to limitations of the equipment, multilane arterial roads with medians only had their median lanes measured and multilane arterial roads without medians only had their kerbside lanes measured.

2.3 Quantifying and testing speed changes

The methodology used in a previous report (Kloeden and Woolley, 2010) only compared sites with measurements in both 2007 and 2008. By extension, this methodology in the current situation would only consider sites with measurements in 2007, 2008, 2009, 2010 and 2011. This means that sites will drop out and there is no provision for adding new sites to the survey sample over time.

However, by concentrating on the changes between one survey and the next rather than on absolute values, sites can come in and out of the survey set. This methodology was introduced in the analysis of the 2009 survey year data (Kloeden and Woolley, 2012).

In practice, this means that adjacent pairs of surveys are compared for changes in speed measurements. For example, to determine the change in mean speed between the 2007 survey and the 2008 survey, the mean speeds would be compared for all sites with successful measurements in both 2007 and 2008. Then to determine the change in mean speed between the 2008 survey and the 2009 survey, the mean speeds would be compared for all sites with successful measurements in both 2008 and 2009 and so on. This also allows surveys previous to 2007 to be directly compared even though only a subset of sites were previously sampled.

This method has the advantage of using more of the available data for determining changes, is tolerant of sites dropping out and allows new sites to be added to the analysis over time (thus increasing the power of detecting speed changes). It does make the assumption that changes in the

speed measurements are not dependant on particular site characteristics but given that we are searching for an overall trend in speed change it is probably reasonable to assume this.

Previous to the 2009 survey year analysis, the changes in speed measurements were averaged and tested for statistical significance using a matched pair T-test. Upon further reflection on the data collected, a more appropriate method of summarising and testing the results was identified (Kloeden and Woolley, 2012).

It is apparent in the data collected that some sites (particularly high volume sites) have a very stable speed distribution while other sites (particularly low volume sites) have a speed distribution that is highly variable from one survey to the next. Also, while sites that exhibit large changes in speed between surveys for an identified reason (such as road works) are eliminated from the analysis, sites with such a large change for no identified reason are left in. This means that the survey to survey variations are not normally distributed across the sites (normality is an assumption of the matched pair T-test).

The Wilcoxon signed rank test is a more appropriate test for this kind of data as it does not assume a normal distribution of differences and it is much more tolerant to spurious outlying data. It also tests the median of the differences rather than the average of the differences so the estimated median change also has more protection against spurious outlying data than the average change.

As a concrete example of this method being applied consider the data for the mean speeds of Adelaide 50 km/h collector roads shown in Table 2.3. Site CM05 underwent road works in 2008 that fundamentally changed its speed distribution and so the data for 2008 was dropped and it was given a new site ID from 2009 onwards.

Table 2.3
Adelaide 50 km/h collector road results for each site in each direction of travel - mean speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week
CM01E	50.401	48.838	47.391	49.709	49.250	48.163	47.629	48.996
CM01W	50.046	49.765	48.614	50.685	50.457	48.647	48.471	50.333
CM02N	44.079	48.718	47.043	46.972	45.118	47.916	46.233	45.530
CM02S	43.032	46.746	44.616	45.268	44.066	45.507	48.618	46.584
CM03N	61.407	54.746	53.490	53.794	54.404	53.284	51.818	52.106
CM03S	58.168	53.374	52.042	51.378	51.545	52.830	50.463	51.975
CM04E	58.949	56.384	54.073	50.943	50.849	51.646	52.807	53.270
CM04W	59.190	59.244	54.245	52.658	52.460	50.643	54.854	56.651
CM05E	52.787	50.485	48.876	51.335	50.895			
CM05W	52.038	49.730	49.300	50.612	50.295			
CM06E	53.411	50.440	49.458	51.028	51.108	50.795	50.745	50.496
CM06W	62.298	55.323	50.895	51.333	51.421	51.816	51.761	51.490
CM07N	58.557	53.825	54.086	54.242	53.869	53.919	53.521	51.910
CM07S	58.579	57.034	56.988	55.049	55.122	53.459	53.706	51.692
CM08E	55.681	51.745	49.493	50.228	50.031	49.363	48.185	49.618
CM08W	54.655	51.853	49.154	49.412	49.599	48.981	47.486	48.957
CM09N	49.746	46.679	45.807	47.361	47.174	46.197	45.743	45.453
CM09S	47.963	47.761	46.680	47.087	47.395	46.640	46.020	46.316
CM10N	51.953	50.818	49.260	49.510	49.260	47.784	47.951	47.781
CM10S	51.404	51.132	50.121	50.065	49.945	47.842	49.013	49.012
CM11E	56.261	52.128	51.675	53.964	53.785	51.797	53.019	51.676
CM11W	51.644	52.297	52.055	53.663	53.393	52.086	52.323	51.821
CM12E							44.382	41.704
CM12W							44.962	42.351
Column median					50.653			

The differences for each site/direction combination from one survey to the next survey are calculated and are shown in Table 2.4. For the 2005-2007 comparison, the one day of data in 2005 is compared with a single comparable day of data in 2007.

Table 2.4
Adelaide 50 km/h collector road results for each site in each direction of travel - mean speed changes (km/h)

Location ID	2002-2003	2003-2005	2005-2007*	2007-2008	2008-2009	2009-2010
CM01E	-1.562	-1.447	2.318	-1.087	-0.534	1.367
CM01W	-0.281	-1.152	2.071	-1.810	-0.176	1.862
CM02N	4.639	-1.674	-0.071	2.798	-1.683	-0.703
CM02S	3.714	-2.130	0.652	1.441	3.111	-2.034
CM03N	-6.660	-1.256	0.304	-1.121	-1.465	0.288
CM03S	-4.794	-1.332	-0.664	1.285	-2.367	1.512
CM04E	-2.566	-2.311	-3.130	0.797	1.161	0.463
CM04W	0.054	-4.999	-1.587	-1.817	4.210	1.798
CM05E	-2.301	-1.609	2.459			
CM05W	-2.308	-0.431	1.313			
CM06E	-2.971	-0.983	1.571	-0.313	-0.050	-0.249
CM06W	-6.974	-4.429	0.438	0.395	-0.054	-0.272
CM07N	-4.732	0.261	0.155	0.050	-0.398	-1.611
CM07S	-1.545	-0.046	-1.939	-1.663	0.247	-2.015
CM08E	-3.937	-2.252	0.735	-0.669	-1.178	1.433
CM08W	-2.802	-2.699	0.258	-0.618	-1.495	1.470
CM09N	-3.067	-0.872	1.554	-0.978	-0.454	-0.289
CM09S	-0.203	-1.081	0.407	-0.755	-0.620	0.296
CM10N	-1.135	-1.559	0.250	-1.477	0.168	-0.170
CM10S	-0.272	-1.012	-0.056	-2.103	1.171	0.000
CM11E	-4.133	-0.453	2.289	-1.987	1.221	-1.342
CM11W	0.653	-0.242	1.608	-1.307	0.237	-0.502
CM12E						-2.678
CM12W						-2.611
Column median	-2.305	-1.294	0.422	-0.866	-0.115	-0.209
Significance**	0.003	0.000	0.054	0.064	0.596	0.588

* change from 2005 (1 day) to 2007 (1 day)

** tested using Wilcoxon signed rank test

The difference columns in Table 2.4 are then tested using the Wilcoxon signed rank test with the significance row giving the statistical significance value (two tailed exact calculation) which indicates the probability of the observed or larger change in either direction occurring by chance if there really is no difference. For the present purposes any significance level below 0.05 is considered as being statistically significant. The “column median” row gives the median of the known changes and is taken as the estimate of the change from one survey to the next.

This gives a complete picture of the changes between surveys but it is also desirable to express the results in terms of absolute speed values. This is done by taking the median value of all the 2007 known results (bottom row of Table 2.3) and using this as a reference against which the calculated changes are applied giving the results shown in Table 2.5. The median is used rather than the mean to avoid extreme sites (either high or low speed sites) having a large effect on the reference speed.

Table 2.5
Adelaide 50 km/h collector road results for each site in each direction of travel - mean speed (km/h)

	2002	2003	2005	2007	2008	2009	2010
Starting point				50.653			
Change from previous survey		-2.305*	-1.294*	0.422	-0.866	-0.115	-0.209
Calculated summary	53.829	51.524	50.230	50.653	49.787	49.671	49.462

* statistically significant (p < 0.05)

This method was applied to all the speed measurements for all the site types. Summaries of the results are given in Section 3 and detailed results are given in Appendix B.

3 Speeds of all vehicles

This Section compares the speeds of all vehicles collected in the various surveys on the different road types. The speed changes and summary speed values are calculated as per Section 2.3. Full results are presented in Appendix B.

3.1 Adelaide 50 km/h local roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.1 and the changes from one survey to the next in Table 3.2.

Table 3.1
Adelaide 50 km/h local road speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	46.90	44.76	43.34	44.24	43.75	44.10	43.37	43.56
Median speed	48.55	45.94	44.34	45.40	44.70	45.10	44.35	44.75
85th percentile speed	57.15	54.29	53.05	53.50	52.80	52.80	52.10	52.40
% above 50 km/h	34.22	26.22	23.74	24.65	22.47	23.23	21.35	22.88
% above 55 km/h	20.30	12.62	11.36	11.95	11.28	11.39	10.49	11.12
% above 60 km/h	9.69	5.72	5.01	5.01	4.77	4.75	4.40	4.40
% above 65 km/h	3.18	1.93	1.78	1.78	1.72	1.62	1.42	1.45

Note: these roads were 60 km/h in 2002

Table 3.2
Adelaide 50 km/h local road speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-2.14*	-1.42*	0.91*	-0.50*	0.35	-0.73*	0.19
Median speed	-2.61*	-1.60*	1.06*	-0.70	0.40	-0.75*	0.40
85th percentile speed	-2.86*	-1.24*	0.45	-0.70	0.00	-0.70*	0.30
% above 50 km/h	-7.99*	-2.48	0.91	-2.18*	0.76	-1.89*	1.53*
% above 55 km/h	-7.68*	-1.26	0.60	-0.68*	0.11	-0.90*	0.64
% above 60 km/h	-3.97*	-0.71	0.00	-0.24	-0.02	-0.35*	0.00
% above 65 km/h	-1.25*	-0.15	0.00	-0.06	-0.11*	-0.20*	0.03

* statistically significant change ($p < 0.05$)

3.2 Adelaide 50 km/h collector roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.3 and the changes from one survey to the next in Table 3.4.

Table 3.3
Adelaide 50 km/h collector road speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	53.83	51.52	50.23	50.65	49.79	49.67	49.46	49.74
Median speed	54.24	51.51	50.35	50.80	49.95	50.05	50.00	50.30
85th percentile speed	61.06	59.09	57.26	57.90	57.00	56.55	56.50	56.95
% above 50 km/h	68.16	58.78	52.48	55.02	49.97	49.99	49.88	52.05
% above 55 km/h	43.85	30.00	24.12	25.84	23.04	22.88	22.12	22.97
% above 60 km/h	21.60	12.45	8.38	9.21	7.89	7.49	7.32	7.53
% above 65 km/h	6.48	4.20	2.86	2.94	2.34	2.32	2.08	2.02

Note: these roads were 60 km/h in 2002

Table 3.4
Adelaide 50 km/h collector road speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-2.30*	-1.29*	0.42	-0.87	-0.12	-0.21	0.28
Median speed	-2.72*	-1.16*	0.45	-0.85	0.10	-0.05	0.30
85th percentile speed	-1.97*	-1.83*	0.64	-0.90	-0.45	-0.05	0.45
% above 50 km/h	-9.39*	-6.30*	2.54	-5.05*	0.02	-0.10	2.16
% above 55 km/h	-13.85*	-5.87*	1.72	-2.80*	-0.17	-0.76	0.85
% above 60 km/h	-9.15*	-4.07*	0.83	-1.32*	-0.40	-0.17	0.21
% above 65 km/h	-2.28*	-1.34*	0.07	-0.59*	-0.02	-0.24	-0.06

* statistically significant change ($p < 0.05$)

3.3 Adelaide 60 km/h arterial roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.5 and the changes from one survey to the next in Table 3.6.

Table 3.5
Adelaide 60 km/h arterial road speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	58.37	57.06	56.36	56.76	55.96	55.82	55.53	55.43
Median speed	58.74	57.87	57.08	57.45	56.65	56.45	56.15	56.15
85th percentile speed	63.54	62.80	61.81	62.15	61.30	61.00	60.60	60.60
% above 60 km/h	37.08	31.24	25.39	27.29	21.82	19.83	17.73	17.87
% above 65 km/h	9.55	6.91	4.97	5.64	3.95	3.53	3.05	3.08
% above 70 km/h	2.49	1.97	1.29	1.27	0.93	0.83	0.69	0.70
% above 75 km/h	1.04	0.84	0.46	0.43	0.34	0.31	0.27	0.26

Table 3.6
Adelaide 60 km/h arterial road speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-1.31*	-0.70*	0.40	-0.80*	-0.14	-0.29*	-0.10
Median speed	-0.88*	-0.79*	0.38	-0.80*	-0.20	-0.30*	0.00
85th percentile speed	-0.74*	-0.99*	0.34	-0.85*	-0.30	-0.40*	0.00
% above 60 km/h	-5.85*	-5.85*	1.90	-5.47*	-1.99	-2.10*	0.14
% above 65 km/h	-2.64*	-1.93*	0.66	-1.69*	-0.42*	-0.49*	0.04
% above 70 km/h	-0.51*	-0.68*	-0.02	-0.34*	-0.10*	-0.14*	0.01
% above 75 km/h	-0.20*	-0.38*	-0.03	-0.09*	-0.03*	-0.04*	-0.01

* statistically significant change ($p < 0.05$)

3.4 Adelaide 80 km/h arterial roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.7 and the changes from one survey to the next in Table 3.8.

Table 3.7
Adelaide 80 km/h arterial road speed results by survey

Speed measurement	2007	2008	2009	2010	2011
Mean speed	74.24	74.26	73.91	72.82	72.22
Median speed	74.65	74.85	74.10	73.05	72.40
85th percentile speed	81.50	81.60	80.70	79.50	79.20
% above 80 km/h	20.74	21.45	17.40	12.56	12.11
% above 85 km/h	5.89	6.21	4.81	3.15	3.15
% above 90 km/h	1.72	1.83	1.46	0.97	0.96
% above 95 km/h	0.65	0.69	0.57	0.37	0.34

Table 3.8
Adelaide 80 km/h arterial road speed changes between surveys

Speed measurement	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.03	-0.35	-1.10*	-0.60
Median speed	0.20	-0.75	-1.05*	-0.65
85th percentile speed	0.10	-0.90	-1.20*	-0.30
% above 80 km/h	0.71	-4.05	-4.84*	-0.45
% above 85 km/h	0.32	-1.40	-1.66*	0.00
% above 90 km/h	0.12	-0.37*	-0.50*	-0.01
% above 95 km/h	0.03	-0.11*	-0.20*	-0.03

* statistically significant change ($p < 0.05$)

3.5 Rural 50 km/h local roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.9 and the changes from one survey to the next in Table 3.10.

Table 3.9
Rural 50 km/h local road speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	44.52	44.34	42.90	43.50	42.65	41.87	42.15	42.71
Median speed	46.42	45.65	44.40	44.70	43.70	43.20	43.50	43.90
85th percentile speed	56.67	55.47	53.63	54.10	53.10	53.00	52.90	52.75
% above 50 km/h	37.07	35.68	30.81	31.38	28.66	28.59	29.54	29.66
% above 55 km/h	16.08	14.12	12.17	12.17	10.12	10.12	10.46	10.33
% above 60 km/h	6.44	5.62	4.47	4.47	3.32	3.32	3.32	3.33
% above 65 km/h	2.22	1.79	1.47	1.44	0.92	0.92	0.99	0.99

Note: these roads were 60 km/h in 2002

Table 3.10
Rural 50 km/h local road speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-0.17	-1.44*	0.60	-0.85*	-0.78	0.28	0.56
Median speed	-0.77	-1.25*	0.30	-1.00*	-0.50	0.30	0.40
85th percentile speed	-1.20	-1.84*	0.47	-1.00*	-0.10	-0.10	-0.15
% above 50 km/h	-1.38	-4.87*	0.57	-2.72*	-0.07	0.95	0.12
% above 55 km/h	-1.96*	-1.95*	0.00	-2.04*	0.00	0.34	-0.13
% above 60 km/h	-0.81*	-1.15*	0.00	-1.15*	0.00	0.00	0.01
% above 65 km/h	-0.43*	-0.33*	-0.02	-0.52*	0.00	0.07*	0.00

* statistically significant change ($p < 0.05$)

3.6 Rural 60 km/h arterial roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.11 and the changes from one survey to the next in Table 3.12.

Table 3.11
Rural 60 km/h arterial road speed results by survey

Speed measurement	2006	2007	2008	2009	2010	2011
Mean speed	58.10	58.55	58.15	57.69	57.59	57.70
Median speed	58.50	58.75	58.30	57.95	57.90	57.95
85th percentile speed	63.95	64.20	63.55	63.10	63.00	63.10
% above 60 km/h	38.42	39.37	36.12	33.78	33.59	33.80
% above 65 km/h	11.54	12.03	10.78	9.95	9.47	9.31
% above 70 km/h	3.12	3.25	2.89	2.61	2.37	2.18
% above 75 km/h	1.01	1.00	0.91	0.76	0.74	0.61

Table 3.12
Rural 60 km/h arterial road speed changes between surveys

Speed measurement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.45	-0.40	-0.46	-0.10	0.11
Median speed	0.25	-0.45	-0.35	-0.05	0.05
85th percentile speed	0.25	-0.65	-0.45	-0.10	0.10
% above 60 km/h	0.96	-3.25	-2.34	-0.20	0.21
% above 65 km/h	0.48	-1.25	-0.83	-0.47	-0.17
% above 70 km/h	0.14	-0.36	-0.28	-0.24	-0.19
% above 75 km/h	-0.01	-0.09	-0.15	-0.02	-0.14*

* statistically significant change ($p < 0.05$)

3.7 Rural hills 80 km/h arterial roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.13 and the changes from one survey to the next in Table 3.14. Note that there were problems with a new contractor identifying the correct locations for these sites so no data is available for 2011.

Table 3.13
Rural hills 80 km/h arterial road speed results by survey

Speed measurement	2007	2008	2009	2010
Mean speed	78.50	76.59	77.15	77.41
Median speed	78.30	76.60	77.20	77.35
85th percentile speed	87.05	84.75	85.30	85.20
% above 80 km/h	40.80	34.41	36.99	37.49
% above 85 km/h	20.59	18.71	19.49	19.54
% above 90 km/h	9.70	8.98	9.80	9.92
% above 95 km/h	4.74	4.15	4.75	4.63

Table 3.14
Rural hills 80 km/h arterial road speed changes between surveys

Speed measurement	2007-2008	2008-2009	2009-2010
Mean speed	-1.91	0.56	0.27
Median speed	-1.70	0.60	0.15
85th percentile speed	-2.30	0.55	-0.10
% above 80 km/h	-6.39	2.59	0.50
% above 85 km/h	-1.89	0.78	0.05
% above 90 km/h	-0.72	0.82	0.11
% above 95 km/h	-0.60	0.60	-0.12

No changes were statistically significant change ($p < 0.05$)

3.8 Rural 100 km/h arterial roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.15 and the changes from one survey to the next in Table 3.16. Note that some incorrectly classified sites from previous years were identified and corrected. This means the historical results presented here differ slightly from those in previous reports in this series.

Table 3.15
Rural 100 km/h arterial road speed results by survey

Speed measurement	2006	2007	2008	2009	2010	2011
Mean speed	97.86	98.06	96.83	96.87	96.66	97.24
Median speed	98.55	99.15	98.10	98.10	97.75	98.25
85th percentile speed	107.85	108.15	106.80	106.35	106.20	106.40
% above 100 km/h	44.29	46.22	42.29	41.84	41.11	43.76
% above 105 km/h	23.63	24.02	20.56	20.12	19.54	20.48
% above 110 km/h	11.19	11.34	9.81	9.49	8.91	9.29
% above 115 km/h	5.27	5.16	4.63	4.63	4.43	4.55

Table 3.16
Rural 100 km/h arterial road speed changes between surveys

Speed measurement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.19	-1.23	0.04	-0.21	0.58
Median speed	0.60	-1.05*	0.00	-0.35	0.50
85th percentile speed	0.30	-1.35*	-0.45	-0.15	0.20
% above 100 km/h	1.94	-3.93*	-0.45	-0.73	2.65
% above 105 km/h	0.39	-3.46*	-0.44	-0.59	0.95
% above 110 km/h	0.14	-1.53*	-0.31	-0.58	0.38
% above 115 km/h	-0.10	-0.53*	0.00	-0.20	0.12

* statistically significant change ($p < 0.05$)

3.9 Rural 110 km/h arterial roads

The summary speed measurements for all vehicles passing the measured sites for all the surveys are presented in Table 3.17 and the changes from one survey to the next in Table 3.18. Note that some incorrectly classified sites from previous years were identified and corrected. This means the historical results presented here differ slightly from those in previous reports in this series.

Table 3.17
Rural 110 km/h arterial road speed results by survey

Speed measurement	2006	2007	2008	2009	2010	2011
Mean speed	102.77	103.38	103.23	103.38	103.02	103.64
Median speed	103.85	104.45	104.40	104.55	104.15	104.80
85th percentile speed	113.50	114.00	113.70	113.60	113.20	113.50
% above 110 km/h	26.77	28.05	27.37	27.61	26.16	26.86
% above 115 km/h	12.39	12.62	11.87	11.92	11.25	11.70
% above 120 km/h	4.59	4.49	3.96	3.82	3.50	3.79
% above 125 km/h	1.46	1.75	1.59	1.54	1.44	1.59

Table 3.18
Rural 110 km/h arterial road speed changes between surveys

Speed measurement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.61	-0.14	0.15	-0.36	0.62*
Median speed	0.60	-0.05*	0.15	-0.40	0.65*
85th percentile speed	0.50	-0.30*	-0.10	-0.40*	0.30
% above 110 km/h	1.29	-0.69*	0.24	-1.45	0.70
% above 115 km/h	0.23	-0.75*	0.06	-0.67*	0.44
% above 120 km/h	-0.10	-0.53*	-0.13	-0.33*	0.30
% above 125 km/h	0.30	-0.16*	-0.05	-0.10*	0.16

* statistically significant change ($p < 0.05$)

3.10 Summary of changes in mean speed

The changes in mean speed on the various road types are shown graphically in Figures 3.1-3.4 with solid lines representing a statistically significant change in mean speed and dashed lines indicating a change that was not statistically significant.

Figure 3.1
Changes in mean speed for 50 km/h roads (60 km/h in 2002)

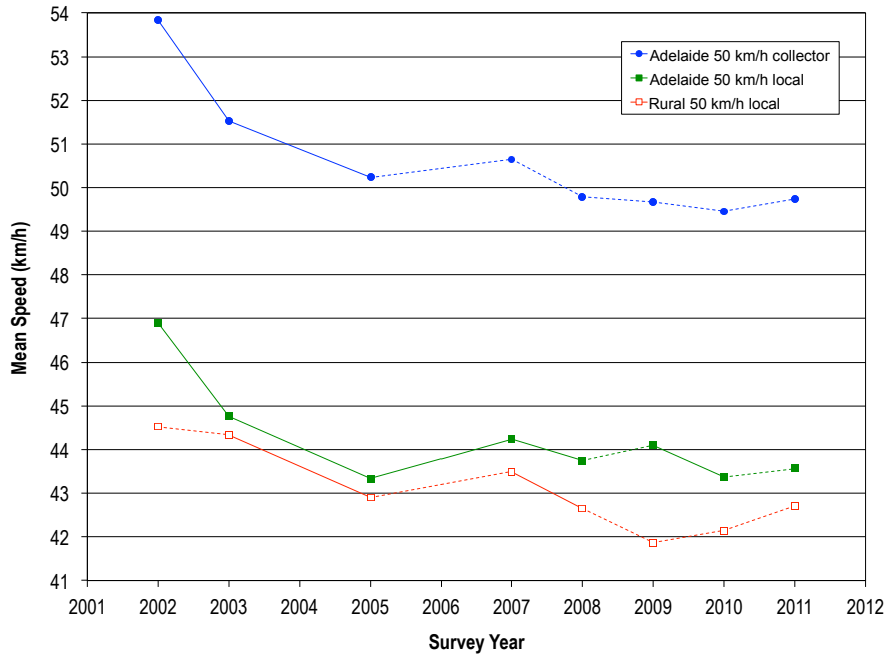


Figure 3.2
Changes in mean speed for low speed roads

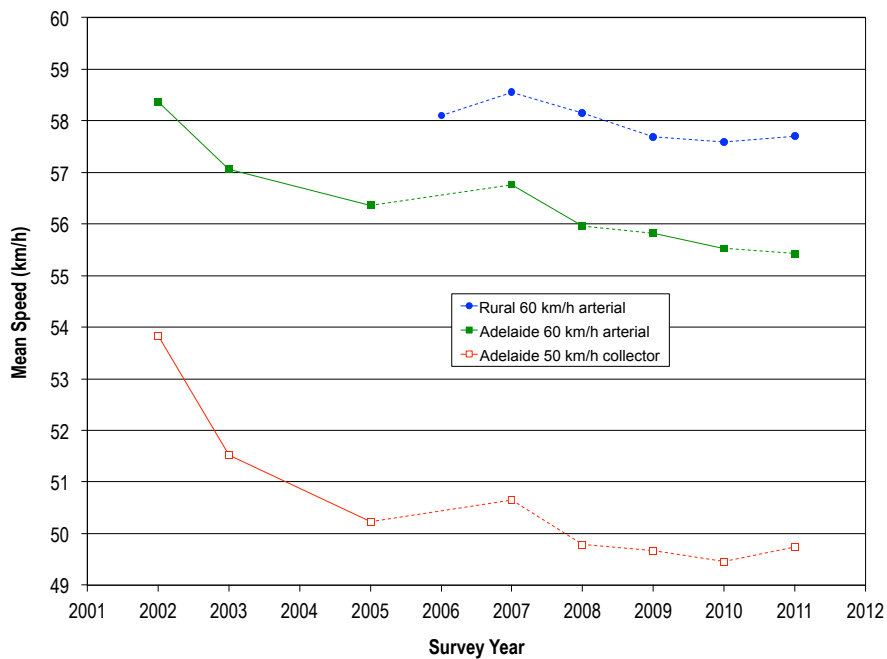


Figure 3.3
Changes in mean speed for 80 km/h roads

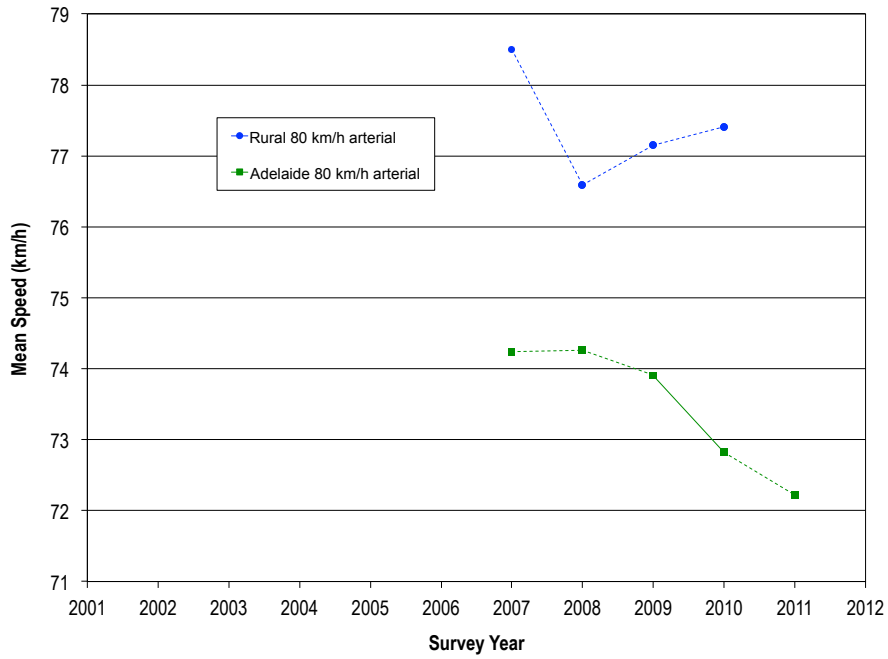
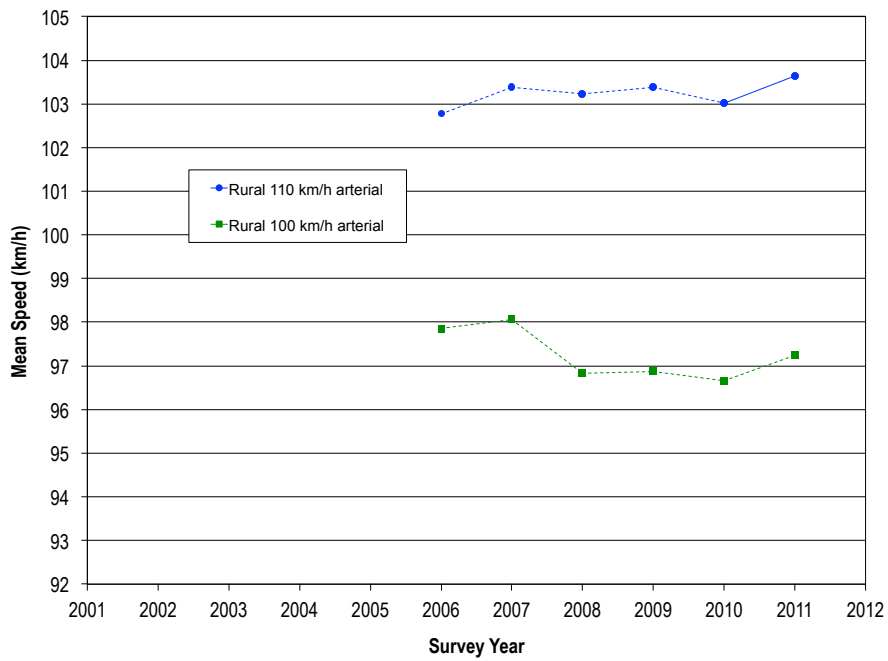


Figure 3.4
Changes in mean speed for high speed roads



4 Speeds of free speed vehicles

This Section compares the speeds of all free speed vehicles collected in the various surveys on the different road types.

Free speed vehicles were defined as those that had at least a four second headway gap to the vehicle in front of them (ie the time between the front wheels of the two vehicles passing the measurement site was at least four seconds). The drivers of free speed vehicles presumably all make a choice of what speed to travel at unlike the drivers of vehicles in a platoon that are limited to the speed of the front vehicle. By examining just free speed vehicles, freely chosen speeds can be analysed.

The free speed changes and summary free speed values are calculated as per Section 2.3.

4.1 Adelaide 50 km/h local roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.1 and the changes from one survey to the next in Table 4.2.

Table 4.1
Adelaide 50 km/h local road free speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	47.40	45.09	43.75	44.65	44.23	44.54	43.88	43.98
Median speed	48.58	45.97	44.37	45.50	44.90	45.15	44.35	44.75
85th percentile speed	58.10	55.00	53.76	54.20	53.80	53.80	53.15	53.45
% above 50 km/h	35.11	27.07	25.11	26.00	23.69	24.28	22.39	23.72
% above 55 km/h	21.17	13.97	12.78	13.27	12.69	12.75	11.78	12.27
% above 60 km/h	10.37	5.90	5.35	5.36	5.12	5.08	4.68	4.58
% above 65 km/h	3.05	1.87	1.82	1.82	1.76	1.63	1.48	1.57

Note: these roads were 60 km/h in 2002

Table 4.2
Adelaide 50 km/h local road free speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-2.31*	-1.33*	0.90*	-0.43*	0.32	-0.66*	0.10
Median speed	-2.61*	-1.60*	1.13*	-0.60*	0.25	-0.80*	0.40
85th percentile speed	-3.10*	-1.24*	0.44	-0.40	0.00	-0.65*	0.30
% above 50 km/h	-8.04*	-1.97	0.90	-2.32*	0.59	-1.88*	1.33*
% above 55 km/h	-7.20*	-1.19	0.48	-0.57*	0.05	-0.97*	0.49
% above 60 km/h	-4.47*	-0.54	0.01	-0.24	-0.04	-0.40*	-0.10
% above 65 km/h	-1.17*	-0.06	0.00	-0.06	-0.13*	-0.15*	0.09

* statistically significant change ($p < 0.05$)

4.2 Adelaide 50 km/h collector roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.3 and the changes from one survey to the next in Table 4.4.

Table 4.3
Adelaide 50 km/h collector road free speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	54.11	51.83	50.49	50.82	49.94	49.84	49.65	49.94
Median speed	54.31	51.70	50.60	50.90	50.10	50.10	50.05	50.30
85th percentile speed	60.96	58.83	57.19	57.95	57.15	56.70	56.50	56.90
% above 50 km/h	69.10	59.89	53.54	55.48	50.48	50.67	50.63	52.71
% above 55 km/h	43.60	30.66	24.29	26.21	23.19	22.94	22.29	23.10
% above 60 km/h	22.29	12.89	8.49	9.37	8.01	7.59	7.46	7.64
% above 65 km/h	6.75	4.47	3.05	3.05	2.43	2.43	2.18	2.11

Note: these roads were 60 km/h in 2002

Table 4.4
Adelaide 50 km/h collector road free speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-2.28*	-1.34*	0.32	-0.88	-0.10	-0.19	0.28
Median speed	-2.62*	-1.09*	0.30	-0.80	0.00	-0.05	0.25
85th percentile speed	-2.14*	-1.64*	0.77	-0.80	-0.45	-0.20	0.40
% above 50 km/h	-9.21*	-6.35*	1.94	-5.00*	0.19	-0.04	2.08
% above 55 km/h	-12.94*	-6.37*	1.92	-3.02*	-0.25	-0.65	0.81
% above 60 km/h	-9.39*	-4.40*	0.88	-1.36*	-0.42	-0.13	0.18
% above 65 km/h	-2.27*	-1.43*	0.01	-0.63*	0.00	-0.25	-0.07

* statistically significant change ($p < 0.05$)

4.3 Adelaide 60 km/h arterial roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.5 and the changes from one survey to the next in Table 4.6.

Table 4.5
Adelaide 60 km/h arterial road free speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	58.55	57.59	56.92	57.35	56.61	56.40	56.08	56.14
Median speed	58.96	58.12	57.52	57.90	57.15	56.95	56.55	56.55
85th percentile speed	64.45	63.55	62.53	63.00	62.20	61.90	61.50	61.60
% above 60 km/h	41.02	35.01	30.83	33.20	28.77	26.47	24.20	24.48
% above 65 km/h	13.48	10.17	7.28	8.26	6.29	5.46	4.78	4.67
% above 70 km/h	4.05	3.10	2.01	2.06	1.56	1.40	1.18	1.18
% above 75 km/h	1.79	1.42	0.68	0.75	0.60	0.53	0.45	0.42

Table 4.6
Adelaide 60 km/h arterial road free speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	-0.96*	-0.66*	0.42	-0.74*	-0.21	-0.32*	0.05
Median speed	-0.84*	-0.61*	0.38	-0.75*	-0.20	-0.40*	0.00
85th percentile speed	-0.90*	-1.02*	0.46	-0.80*	-0.30	-0.40*	0.10
% above 60 km/h	-6.01*	-4.18*	2.37	-4.44*	-2.30	-2.26*	0.28
% above 65 km/h	-3.31*	-2.89*	0.98	-1.97*	-0.83*	-0.67*	-0.12
% above 70 km/h	-0.94*	-1.09*	0.05	-0.51*	-0.16*	-0.22*	-0.01
% above 75 km/h	-0.37*	-0.74*	0.07	-0.15*	-0.07*	-0.08*	-0.03

* statistically significant change ($p < 0.05$)

4.4 Adelaide 80 km/h arterial roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.7 and the changes from one survey to the next in Table 4.8.

Table 4.7
Adelaide 80 km/h arterial road free speed results by survey

Speed measurement	2007	2008	2009	2010	2011
Mean speed	76.04	76.13	75.67	74.64	73.99
Median speed	76.35	76.45	75.65	74.70	74.00
85th percentile speed	83.05	83.35	82.40	81.30	81.25
% above 80 km/h	28.37	29.46	24.39	19.14	18.79
% above 85 km/h	9.33	10.21	8.42	6.19	6.11
% above 90 km/h	3.14	3.53	3.01	2.28	2.23
% above 95 km/h	1.28	1.39	1.20	0.87	0.82

Table 4.8
Adelaide 80 km/h arterial road free speed changes between surveys

Speed measurement	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.09	-0.46	-1.03*	-0.66
Median speed	0.10	-0.80	-0.95*	-0.70
85th percentile speed	0.30	-0.95	-1.10*	-0.05
% above 80 km/h	1.08	-5.07	-5.25*	-0.34
% above 85 km/h	0.88	-1.79	-2.23*	-0.07
% above 90 km/h	0.39	-0.53*	-0.72*	-0.06
% above 95 km/h	0.11	-0.19*	-0.33*	-0.05

* statistically significant change ($p < 0.05$)

4.5 Rural 50 km/h local roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.9 and the changes from one survey to the next in Table 4.10.

Table 4.9
Rural 50 km/h local road free speed results by survey

Speed measurement	2002	2003	2005	2007	2008	2009	2010	2011
Mean speed	44.07	44.41	42.97	43.51	42.67	42.02	42.25	42.59
Median speed	46.16	45.61	44.50	44.80	43.90	43.40	43.70	43.95
85th percentile speed	56.75	55.67	53.81	54.30	53.30	53.20	53.20	53.10
% above 50 km/h	37.38	36.17	31.36	31.41	28.69	28.69	29.42	29.53
% above 55 km/h	16.69	14.66	12.49	12.49	10.57	10.57	10.91	10.73
% above 60 km/h	6.54	5.70	4.62	4.62	3.26	3.26	3.26	3.26
% above 65 km/h	2.31	1.86	1.54	1.53	0.89	0.89	0.94	0.94

Note: these roads were 60 km/h in 2002

Table 4.10
Rural 50 km/h local road free speed changes between surveys

Speed measurement	2002-2003	2003-2005	2005-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.34	-1.44*	0.54	-0.84*	-0.65	0.23	0.34
Median speed	-0.55	-1.11*	0.30	-0.90*	-0.50	0.30	0.25
85th percentile speed	-1.08	-1.86*	0.49	-1.00*	-0.10	0.00	-0.10
% above 50 km/h	-1.22	-4.81*	0.05	-2.72*	0.00	0.73	0.12
% above 55 km/h	-2.04*	-2.17*	0.00	-1.92*	0.00	0.34	-0.18
% above 60 km/h	-0.85*	-1.07*	0.00	-1.37*	0.00	0.00	0.00
% above 65 km/h	-0.45*	-0.32*	-0.01	-0.64*	0.00	0.05	0.00

* statistically significant change ($p < 0.05$)

4.6 Rural 60 km/h arterial roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.11 and the changes from one survey to the next in Table 4.12.

Table 4.11
Rural 60 km/h arterial road free speed results by survey

Speed measurement	2006	2007	2008	2009	2010	2011
Mean speed	58.31	58.77	58.37	57.88	57.77	57.88
Median speed	58.70	58.95	58.40	58.05	58.00	58.10
85th percentile speed	64.20	64.50	63.85	63.40	63.25	63.40
% above 60 km/h	39.94	41.07	37.89	35.51	35.38	35.57
% above 65 km/h	12.93	13.41	12.25	11.38	10.86	10.81
% above 70 km/h	3.61	3.74	3.35	3.01	2.76	2.53
% above 75 km/h	1.23	1.21	1.13	0.95	0.95	0.80

Table 4.12
Rural 60 km/h arterial road free speed changes between surveys

Speed measurement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.46	-0.40	-0.49	-0.11	0.11
Median speed	0.25	-0.55	-0.35	-0.05	0.10
85th percentile speed	0.30	-0.65	-0.45	-0.15	0.15
% above 60 km/h	1.14	-3.18	-2.38	-0.13	0.19
% above 65 km/h	0.48	-1.16	-0.87	-0.52	-0.05
% above 70 km/h	0.13	-0.39	-0.34	-0.25	-0.23
% above 75 km/h	-0.01	-0.09	-0.17	0.00	-0.15*

* statistically significant change ($p < 0.05$)

4.7 Rural hills 80 km/h arterial roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.13 and the changes from one survey to the next in Table 4.14. Note that there were problems with a new contractor identifying the correct locations for these sites so no data is available for 2011.

Table 4.13
Rural hills 80 km/h arterial road free speed results by survey

Speed measurement	2007	2008	2009	2010
Mean speed	79.53	77.69	78.40	78.72
Median speed	79.15	77.40	78.00	78.05
85th percentile speed	88.10	85.85	86.35	86.05
% above 80 km/h	45.06	38.24	40.83	41.06
% above 85 km/h	23.69	21.38	22.25	21.87
% above 90 km/h	11.46	10.55	11.67	11.60
% above 95 km/h	5.73	5.02	5.85	5.71

Table 4.14
Rural hills 80 km/h arterial road free speed changes between surveys

Speed measurement	2007-2008	2008-2009	2009-2010
Mean speed	-1.84	0.71	0.32
Median speed	-1.75	0.60	0.05
85th percentile speed	-2.25	0.50	-0.30
% above 80 km/h	-6.82	2.59	0.23
% above 85 km/h	-2.32	0.87	-0.38
% above 90 km/h	-0.91	1.12	-0.07
% above 95 km/h	-0.71	0.83	-0.14

No changes were statistically significant change ($p < 0.05$)

4.8 Rural 100 km/h arterial roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.15 and the changes from one survey to the next in Table 4.16. Note that some incorrectly classified sites from previous years were identified and corrected. This means the historical results presented here differ slightly from those in previous reports in this series.

Table 4.15
Rural 100 km/h arterial road free speed results by survey

Speed measurement	2006	2007	2008	2009	2010	2011
Mean speed	98.18	98.41	97.21	97.30	97.05	97.64
Median speed	98.95	99.55	98.55	98.55	98.30	98.75
85th percentile speed	108.15	108.55	107.10	106.65	106.55	106.70
% above 100 km/h	45.42	47.53	42.90	42.38	41.47	43.87
% above 105 km/h	24.47	24.89	20.99	20.56	20.16	21.28
% above 110 km/h	11.74	11.98	10.36	10.01	9.36	9.76
% above 115 km/h	5.56	5.55	4.86	4.86	4.59	4.76

Table 4.16
Rural 100 km/h arterial road free speed changes between surveys

Speed measurement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.23	-1.20	0.10	-0.26	0.59
Median speed	0.60	-1.00*	0.00	-0.25	0.45
85th percentile speed	0.40	-1.45*	-0.45	-0.10	0.15
% above 100 km/h	2.11	-4.63*	-0.51	-0.91	2.40
% above 105 km/h	0.42	-3.90*	-0.44	-0.40	1.12
% above 110 km/h	0.24	-1.62*	-0.35	-0.65	0.40
% above 115 km/h	-0.01	-0.70	0.01	-0.27	0.16

* statistically significant change ($p < 0.05$)

4.9 Rural 110 km/h arterial roads

The summary speed measurements for all free speed vehicles passing the measured sites for all the surveys are presented in Table 4.17 and the changes from one survey to the next in Table 4.18. Note that some incorrectly classified sites from previous years were identified and corrected. This means the historical results presented here differ slightly from those in previous reports in this series.

Table 4.17
Rural 110 km/h arterial road free speed results by survey

Speed measurement	2006	2007	2008	2009	2010	2011
Mean speed	103.19	103.82	103.55	103.55	103.22	103.79
Median speed	104.30	104.95	104.70	104.75	104.30	104.90
85th percentile speed	113.90	114.30	113.75	113.65	113.35	113.55
% above 110 km/h	28.67	29.83	28.74	28.78	27.55	28.11
% above 115 km/h	12.82	13.15	12.20	12.17	11.51	11.90
% above 120 km/h	4.99	4.89	4.29	4.11	3.82	4.05
% above 125 km/h	1.54	1.87	1.71	1.64	1.51	1.67

Table 4.18
Rural 110 km/h arterial road free speed changes between surveys

Speed measurement	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
Mean speed	0.63	-0.27	0.00	-0.33	0.57*
Median speed	0.65	-0.25*	0.05	-0.45	0.60*
85th percentile speed	0.40	-0.55*	-0.10	-0.30*	0.20
% above 110 km/h	1.15	-1.09*	0.04	-1.23	0.56
% above 115 km/h	0.32	-0.95*	-0.03	-0.67*	0.39
% above 120 km/h	-0.10	-0.60*	-0.18	-0.29*	0.24
% above 125 km/h	0.33	-0.16*	-0.06	-0.13*	0.15

* statistically significant change ($p < 0.05$)

5 Discussion

5.1 Changes in speed on low speed roads

All low speed (50 or 60 km/h) road types examined had speeds consistent with the same general pattern of changes in mean speed from 2002 to 2011:

- a marked reduction in speed after the default 50 km/h speed limit was introduced in 2003 with the reduction continuing to 2005
- a general increase in speed from 2005 to 2007
- a reduction in speed from 2007 to 2008
- more inconsistent but generally declining speeds from 2008 to 2011

5.2 Changes in speed on 80 km/h roads

While mean speed changes were observed on 80 km/h urban and rural roads, the changes were erratic and not statistically significant (apart from a drop between 2009-2010 for Adelaide 80 km/h roads). This is likely due to the small number of sites surveyed in each of these speed zones. Consideration needs to be given to increasing the number of sites in each of these categories to at least 10 if they are to provide a meaningful measure of changes in speed over time. Note that there were problems with a new contractor identifying the correct locations for the rural hills 80 km/h sites so no data is available for 2011. Since data collection for rural hills 80 km/h sites must now be restarted, it is an opportune time to ensure there are at least 10 sites in this category. Note that the new contractor did not have the same problem with urban sites as they were generally defined by a house number and the other high speed sites were surveyed by DPTI using a rigorous location process.

5.3 Changes in speed on high speed rural roads

Rural 110 km/h roads exhibited a statistically significant increase in mean speeds between 2010 and 2011. However, no statistically significant changes were observed between any other survey periods.

Rural 100 km/h roads showed no statistically significant change in mean speeds over the 2006 to 2011 surveys.

5.4 Free speed results

Restricting the analyses to just free speed vehicles (those with a headway of at least four seconds) produced very similar results to those for all vehicles. While the free speed measurements were slightly higher than the all speed measurements (as would be expected) the changes were very similar and the set of changes that were statistically significant were almost identical.

5.5 Number of sites

Since the number of sites determines the power to detect speed changes, consideration should be given to increasing the number of sites for those road types with few sites: rural 60 km/h roads (5 sites); Adelaide 80 km/h roads (6 sites); and rural 80 km/h roads (0 sites in 2011). Alternatively, resources can be reallocated from these sites towards sites considered of greater importance.

5.6 Identification of survey sites

The original intention in conducting the surveys was to avoid widely publishing the location of the survey sites since the sites were supposed to be a representative sample of all roads in South Australia. If the sites were widely known they could potentially experience speed changes not reflective of all roads through drivers changing their speed behaviour or through the police carrying out extra enforcement on those roads identified as having high speeds.

However, after the publication of the survey results from the 2008 survey in March 2010 (Kloeden and Woolley, 2010), The Advertiser newspaper published a story on the speeds at individual site locations identifying them by the roads that the surveys were conducted on and highlighting the roads with high vehicle speeds.

This could have potentially lowered the speeds on some of the roads in a way that is not reflective of the speed changes of all roads in general. However, we believe that the effect of this is minimal due to the following factors:

- the road names were identified but not the actual location of the surveys on the roads
- there was a 5-8 month gap between the Advertiser story and the 2010 survey data collection
- the police have a very extensive procedure for determining which roads are to be enforced which probably would not have been greatly influenced by The Advertiser story

Given that the roads are now generally known, they are listed in Appendix B.

5.7 Possible reasons for speed changes

The introduction of the default 50 km/h speed limit clearly had the effect of lowering speeds on the affected roads as would be expected. However, a similar, but not as dramatic, change was also observed on roads that remained at 60 km/h. Speeds also continued to decline for a number of years after the default 50 km/h speed limit was introduced on 50 and 60 km/h roads. This suggests that the default 50 km/h speed limit had a general and compounding effect over a three year period from 2003 to 2005 on vehicle speeds. It appears that speeds rose again between 2005 and 2007 perhaps as media attention around speed diminished and speed stopped being an issue for drivers.

The drop in speeds from 2007 to 2008 may be related to an apparent lowering of the police enforcement tolerance around October 2007 whereby drivers passing through a road safety camera would be booked at a lower speed. This raised the number of offences being issued by a substantial amount and may have affected drivers' choice of speed in the 2008 survey as drivers became aware of the change. The "creeper" advertising (which encouraged drivers not to creep over the speed limit and was widespread) started in October 2008 and may have had some effects on driver speeds in 2008 and later years.

Although mean speeds did not significantly change between 2008 and 2009 for any of the road types examined, there were statistically significant reductions in the proportion of vehicles travelling above 65 km/h on both Adelaide 50 km/h local roads and Adelaide 60 km/h arterial roads. This may have been the tail end of the police tolerance and advertising campaign effects observed in 2008.

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The views expressed in this report are those of the authors and do not necessarily represent those of the University of Adelaide or the funding organisations.

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Appendix A - Site locations

The locations of all the sample sites are shown in Tables A.1-A.9 along with the target month of the sample and notes about unusual sites. Some sites had their sample location moved or had their layout changed and so were given a new site ID to reflect the fact that speeds were not comparable before and after the change.

Table A.1
Adelaide 50 km/h local road locations

Site ID	Location	Sample month	Notes
LM01	Bowyer Street, Rosewater	November	
LM02	Charles Road, Beverley	November	Made one way in 2009
LM03	Adelaide Street, Maylands	November	
LM04	Hambledon Road, Campbelltown	November	
LM05	Gilbertson Road, Seacliff Park	November	
LM06	Northcote Street, Kilburn	November	
LM07	Vincent Road, Smithfield Plains	November	
LM08	Andrew Avenue, Salisbury East	November	
LM09	North Esplanade, Glenelg North	November	
LM10	Olive Avenue, Broadview	November	
LM11	Commercial Street, Marleston	November	
LM12	Bermudez Crescent, Paralowie	November	
LM13	London Drive, Salisbury East	November	
LM14	Farrell Street, Glenelg South	November	
LM15	Main Street, Beverley	November	Road changed in 2011 - changed to LM19 from 2011 onwards
LM16	George Street, Adelaide	November	Unsuitable site - dropped from 2011 onwards
LM17	Archer Street, North Adelaide	November	
LM18	Coorara Avenue, Payneham South	November	
LM19	Main Street, Beverley	November	Same site as LM15 from 2011 onwards

Note: these roads were 60 km/h in 2002

Table A.2
Adelaide 50 km/h collector road locations

Site ID	Location	Sample month	Notes
CM01	Claremont Avenue, Netherby	November	
CM02	Seaview Road, West Beach	November	
CM03	Barcelona Road, Noarlunga Downs	November	
CM04	Milan Terrace, Stirling	November	
CM05	Jetty Road, Largs Bay	November	Road changed in 2008 - changed to CM12 from 2009 onwards
CM06	Perry Barr Road, Hallett Cove	November	
CM07	Scenic Way, Hackham	November	
CM08	Valetta Road, Kidman Park	November	
CM09	Sydenham Road, Norwood	November	
CM10	Sixth Avenue, St Peters	November	
CM11	Bonython Avenue, Novar Gardens	November	
CM12	Jetty Road, Largs Bay	November	Same site as CM05 from 2009 onwards

Note: these roads were 60 km/h in 2002

Table A.3
Adelaide 60 km/h arterial road locations

Site ID	Location	Sample month	Notes
AA01	Kenhans Road, Happy Valley	November	
AA02	Springbank Road, Clapham	November	
AA03	Fullarton Road, Kent Town	November	
AA04	Trimmer Parade, Findon	November	
AA05	Addison Road, Pennington	November	
AA06	Findon Road, Flinders Park	November	
AB01	Prospect Road, Blair Athol	November	Road works in 2011
AB02	Gorge Road, Newton	November	
AB03	Stephen Terrace, St Peters	November	
AB04	Magill Road, Tranmere	November	
AB05	Richmond Road, Keswick	November	
AB06	Bower Road, Ethelton	November	Road works heading West in 2009, no data 2011
AC01	Goodwood Road, Cumberland Park	November	
AC02	Greenhill Road, Burnside	November	No data 2011
AC03	Morphett Road, Warradale	November	
AC04	Glen Osmond Road, Fullarton	November	
AC05	Payneham Road, Evandale	November	
AC06	Torrens Road, Ridleyton	November	
AD01	Tapleys Hill Road, Fullham Gardens	November	
AD02	Montacute Road, Newton	November	
AD03	North East Road, Manningham	November	
AD04	Sir Donald Bradman Drive, Brooklyn Park	November	
AD05	Salisbury Highway, Salisbury Downs	November	Road works heading North in 2011
AD06	Glynburn Road, Hectorville	November	
AD07	Cross Road, Clarence Gardens	November	
AD08	Diagonal Road, Warradale	November	
AD09	Bridge Road, Para Hills	November	

Table A.4
Adelaide 80 km/h arterial road locations

Site ID	Location	Sample month	Notes
AM01	Main North Road, Salisbury Park	November	
AM02	Tapleys Hill Road, West Beach	November	No data 2011
AM03	Panalatinga Road, Morphett Vale	November	
AM04	Grand Junction Road, Gilles Plains	November	
AM05	McIntyre Road, Modbury North	November	
AM06	Main South Road, O'Halloran Hill	November	

Table A.5
Rural 50 km/h local road locations

Site ID	Location	Sample month	Notes
LR01	Conroe Drive, Mount Gambier	November	No data 2011
LR02	Reginald Street, Mount Gambier	November	
LR03	Stratford Street, Millicent	November	
LR04	Cedar Avenue, Naracoorte	November	
LR05	Hobbs Street, Berri	November	
LR06	Fiedler Street, Berri	November	No data 2011
LR07	Meander Avenue, Renmark	November	
LR08	Bruce Road, Barmera	November	
LR09	Parham Crescent, Port Augusta	November	
LR10	Woodforde Street, Port Augusta	November	
LR11	Bowman Street, Crystal Brook	November	
LR12	Thomas Street, Wallaroo	November	Unsuitable site - dropped from 2011 onwards
LR13	Templers Daveyston Road, Freeling	August	No data 2010
LR14			Actually 60 km/h - reclassified as CR05

Note: these roads were 60 km/h in 2002

Table A.6
Rural 60 km/h arterial road locations

Site ID	Location	Sample month	Notes
CR01	Main North Road, Clare	August	
CR02	New West Road, Port Lincoln	August	
CR03	Jenkins Terrace, Naracoorte	August	
CR04	Waikerie Eastern Access, Waikerie	August	
CR05	Greenock Nuriootpa Road, Nuriootpa	August	Incorrectly classified as LR14 in old reports

Table A.7
Rural hills 80 km/h arterial road locations

Site ID	Location	Sample month	Notes
AH01	Teatree Gully Mannum Road	November	No data 2011
AH02	Greenhill Road	November	No data 2011
AH03	Mt Barker Flaxley Road	November	No data 2011
AH04	Wellington Road	November	No data 2011
AH05	Fox Creek Road	November	New addition in 2008, No data 2011
AH06	Basket Range Road	November	New addition in 2008, No data 2011

Table A.8
Rural 100 km/h arterial road locations

Site ID	Location	Sample month	Notes
AR01			Actually 110 km/h - reclassified as HR39
AR02	Blackwood Goolwa Road, Currency Creek	August	Site changed in 2010 - reclassified as AR14 from 2010 onwards
AR03	Belvidere Milang Road, Belvidere	August	
AR04	Lyndoch Chain of Ponds Road, Lyndoch	August	
AR05	Morgan Blanchetown Road, Morgan	August	
AR06	Corny Point Yorketown Road, Yorketown	August	
AR07	Victor Harbor Road, Victor Harbor	August	
AR08			Actually 80 km/h before 2009 - AR11 from 2009 onwards
AR09	Yorketown Road, Urania	August	
AR10	Yorke Valley Highway, Port Clinton	August	
AR11	Dukes Highway, Bordertown	August	Site moved in 2011 - reclassified as AR12 from 2011 onwards
AR12	Dukes Highway, Bordertown	August	New location for AR11 from 2011 onwards
AR13	Balakiava Blyth Road, Blyth	August	Incorrectly classified as HR30 in old reports
AR14	Blackwood Goolwa Road, Currency Creek	August	Was AR02 before 2010

Table A.9
Rural 110 km/h arterial road locations

Site ID	Location	Sample month	Notes
HR01	Berri Loxton Road, Berri	August	
HR02	Wilmington Ucolta Road, Orroroo	August	
HR03	Kimba Cleve Road, Kimba	August	
HR04	Riddoch Highway, Mosquito Creek	August	
HR05	Eyre Highway, Kimba	August	
HR06	Princes Highway, Reedy Creek	August	
HR07	Main North Road, Gladstone	August	
HR08	Copper Coast Highway, Kulpara	August	
HR09	Stuart Highway, Port Augusta	August	
HR10	Lincoln Highway, Lincoln Gap	August	
HR11	Jubilee Highway East, Mount Gambier	August	
HR12	Princes Highway, Stirling North	August	
HR13	Barrier Highway, Saddleworth	August	
HR14	Karoonda Road, Murray Bridge	August	Equipment malfunction in 2009
HR15	Riddoch Highway, Naracoorte	August	
HR16	Port Wakefield Road, Two Wells	August	No data 2011
HR17	Lincoln Highway, Whyalla	August	
HR18	Princes Highway, Meningie	August	
HR19	Lincoln Highway, Poonindie	August	
HR20	Highway One, Port Wakefield	August	
HR21	Stuart Highway, Pimba	August	
HR22	Port McDonnell Road, Allendale East	August	Not sampled from 2009 onwards
HR23	Mallee Highway, Pinnaroo	August	
HR24	Sturt Highway, Blanchetown	August	
HR25	Mallee Highway, Taillem Bend	August	
HR26	Yorke Valley Highway, Pine Point	August	
HR27	Sturt Highway, Gawler	August	Not sampled from 2008 onwards
HR28	Riddoch Highway, Penola	August	
HR29	Princes Highway, Kingston SE	August	
HR30			Actually 100 km/h - reclassified as AR13
HR31			Was 80 km/h before 2009 - HR38 from 2009 onwards
HR32	Kingston Loxton Road, Loxton	August	
HR33	Lucindale Kingston Road, Avenue Range	August	
HR34	Arno Bay Road, Arno Bay	August	
HR35	Kalangadoo Millicent Road, Kalangadoo	August	
HR36	Olympic Dam Pimba Road, Woomera	August	Known as BR01 in older reports
HR37	Quorn Hawker Road, Quorn	August	Known as BR03 in older reports
HR38	RM Williams Way, Jamestown	August	Collection site moved in 2009 - was HR31
HR39	Redhill Blyth Road, Hart	August	Incorrectly classified as AR01 in old reports

Appendix B - Detailed site results

Data from each site was separated into the two directions of traffic flow (where applicable) and the vehicle counts and mean speeds were calculated for each site/direction combination for each survey and are presented in Tables B.1-B.72. The last character of the Site ID indicates the direction of traffic flow (N=North, S=South, E=East, W=West).

The surveys marked as “1 day” had one day of data collected (a week day). The surveys marked as “1 week” had one week of data collected. The column marked as “2007 - 1 day” is a one day sub-sample of the 2007 data (a week day) for comparison with previous one day samples.

The “Summary” row in the mean speed Tables is a summary mean speed for all the roads of a given type calculated as per Section 2.3. The “Change” row indicates the change in speed from the previous survey. The “Significance” row indicates the probability of the observed or larger change occurring by chance. For the present purposes any significance level below 0.05 is considered as being statistically significant.

Table B.1
Adelaide 50 km/h local road results for each site in each direction of travel - vehicle count

Site ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	171	152	174	198	1236	1171	988	1033	988
LM01W	340	306	289	334	2131	2204	2209	2553	2673
LM02N	379	372	434	329	1779	2703	3748	4197	4549
LM02S	147	143	141	139	773	2759			
LM03N	173	183	235	187	1173	1374	1321	1286	1172
LM03S	264	286	242	223	1449	1499	1585	1674	1545
LM04E	1352	1130	1207	1151	7718	7788	7508	7789	7696
LM04W	799	833	814	802	5561	5612	5365	5630	5581
LM05N	224	243	289	247	1579	1576	1557	1710	1461
LM05S	261	247	262	231	1667	1651	1810	1882	1787
LM06E	575	547	562	614	4033	4467	4418	4901	4749
LM06W	427	414	434	477	3306	3521	3326	3649	3608
LM07E	153	128	146	137	843	821	726	786	609
LM07W	134	131	154	116	783	720	647	795	674
LM08N	113	92	85	72	539	768	697	554	512
LM08S	91	91	99	84	566	773	741	639	624
LM09N	931	1186	1295	947	9066	7387	8583	9708	2895
LM09S	362	505	754	522	4667	4216	4195	5022	5560
LM10N	158	156	189	175	1228	1278	1242	1393	1230
LM10S	208	170	200	188	1267	1326	1344	1465	1484
LM11E	341	347	357	430	2375	2169	2216	1985	1913
LM11W	553	548	538	557	2894	3180	3219	2786	2921
LM12E	677	1272	525	542	3471	3549	8283	8167	3285
LM12W	815	1373	704	685	4587	4793	9447	9302	4543
LM13N	889	980	1125	904	5229	5448	5988	5824	5731
LM13S	148	176	338	295	1903	2021	1887	1864	1702
LM14E	144	163	170	166	1464	1068	1433	1247	1687
LM14W	163	188	157	133	907	1163	1097	1057	1224
LM15N	434	421	377	389	2412	3382	4173	4175	
LM15S	437	439	408	389	2348	2950	2964	2807	
LM16S	996	1034	1005	957	6118	6372	5642	4622	
LM17E	994	1184	1105	1198	7995	8287	8313	8168	8129
LM17W	971	1074	1047	1083	7261	7238	7678	7456	7404
LM18E	1351	1227	1296	1343	9081	9212	9784	9753	9955
LM18W	1488	1466	1356	1423	9500	9017	9465	9082	9198
LM19N									2106
LM19S									1338

Note: these roads were 60 km/h in 2002

Table B.2
Adelaide 50 km/h local road results for each site in each direction of travel - mean speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	41.402	37.623	37.137	38.113	37.436	37.165	37.399	36.321	35.873
LM01W	39.395	37.149	37.399	38.584	37.409	37.580	38.013	37.388	36.790
LM02N	46.971	44.106	45.599	46.970	46.680	42.393	45.602	45.021	47.234
LM02S	44.137	44.263	44.214	45.880	45.363	41.311			
LM03N	40.842	33.895	41.377	41.031	40.941	42.674	40.973	40.690	40.771
LM03S	42.068	37.666	40.461	40.814	41.049	41.561	40.568	40.321	41.304
LM04E	52.078	47.636	49.176	49.660	50.381	49.083	49.404	45.964	47.749
LM04W	54.232	49.278	51.746	51.830	52.574	50.755	51.063	47.872	49.226
LM05N	55.044	52.904	53.066	51.762	51.711	51.194	51.460	48.282	49.568
LM05S	56.019	52.640	51.882	50.805	51.225	52.528	51.066	48.971	49.638
LM06E	50.369	48.506	44.918	46.669	46.394	45.113	45.927	44.294	45.111
LM06W	50.334	48.493	44.076	45.807	45.741	45.120	45.279	43.931	43.908
LM07E	49.658	48.969	45.962	46.869	46.675	45.044	45.059	36.794	46.470
LM07W	49.887	50.263	47.925	46.753	47.814	47.316	46.263	39.511	44.440
LM08N	36.518	35.365	32.416	35.807	36.040	36.965	36.776	36.784	37.357
LM08S	37.901	36.662	34.404	35.431	35.275	36.828	37.258	38.850	38.411
LM09N	43.854	41.455	38.708	42.192	40.294	40.689	39.810	38.054	37.032
LM09S	45.166	43.566	37.695	43.865	42.667	40.847	41.350	39.956	41.260
LM10N	40.556	42.512	36.841	42.926	41.011	39.512	41.040	40.595	39.652
LM10S	39.618	39.913	38.038	38.800	39.454	39.488	41.343	40.351	41.105
LM11E	39.143	35.533	33.264	34.015	34.782	35.490	36.957	36.193	35.348
LM11W	45.796	43.744	40.478	39.080	39.932	40.751	41.800	40.667	41.162
LM12E	47.117	46.855	47.025	48.492	48.048	48.678	46.104	46.946	49.899
LM12W	49.445	45.762	49.287	51.791	51.385	50.620	46.480	46.792	50.723
LM13N	41.778	38.717	36.956	35.993	38.226	36.167	36.824	35.762	34.920
LM13S	46.226	42.701	39.835	42.359	44.243	41.644	42.637	41.668	41.862
LM14E	37.488	37.622	36.198	32.770	33.442	32.189	34.007	34.766	31.420
LM14W	35.293	35.595	35.179	34.714	34.366	34.697	35.163	35.853	32.018
LM15N	54.856	52.551	49.852	49.868	49.875	49.408	49.874	49.966	
LM15S	50.754	49.011	45.832	46.578	46.344	46.539	46.004	46.460	
LM16S	33.342	29.527	30.398	34.046	34.871	28.426	30.599	26.367	
LM17E	46.567	46.210	43.999	44.840	44.612	44.388	44.467	44.672	44.721
LM17W	44.148	43.052	41.961	43.145	42.510	41.760	42.809	42.109	41.467
LM18E	57.681	50.928	51.625	52.668	52.154	49.731	50.113	49.687	49.564
LM18W	57.897	52.664	51.583	51.908	51.836	52.641	49.261	49.358	48.891
LM19N									33.893
LM19S									28.620
Summary	46.899	44.760	43.336		44.243	43.746	44.097	43.365	43.560
Change		-2.139	-1.424		0.908	-0.498	0.351	-0.732	0.195
Significance		0.000	0.011		0.002	0.033	0.249	0.000	0.157

Note: these roads were 60 km/h in 2002

Table B.3
Adelaide 50 km/h local road results for each site in each direction of travel - median speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	42.850	39.560	37.390	38.700	38.000	38.000	38.500	37.500	37.300
LM01W	39.340	38.290	37.890	39.800	38.400	38.400	39.100	38.200	37.600
LM02N	48.320	44.170	45.340	46.400	46.700	42.500	45.900	44.900	47.300
LM02S	44.440	43.630	44.010	45.700	45.400	41.300			
LM03N	41.860	35.460	43.040	41.400	42.000	44.200	42.300	41.700	41.600
LM03S	43.370	40.000	41.760	42.900	42.300	43.000	41.600	41.200	41.900
LM04E	52.550	48.070	49.700	50.200	50.600	49.300	49.700	46.200	48.100
LM04W	54.540	49.570	52.190	52.100	52.800	50.900	51.100	48.100	49.600
LM05N	56.250	52.940	53.980	52.400	52.300	51.800	52.400	49.400	49.900
LM05S	57.600	53.330	53.350	52.000	52.200	53.200	52.100	50.600	50.800
LM06E	50.700	49.310	45.640	47.700	47.000	45.600	46.700	44.900	45.400
LM06W	51.060	48.970	45.120	45.600	46.100	45.400	45.900	44.500	44.200
LM07E	52.170	51.060	46.240	47.900	47.100	44.900	46.200	36.500	45.900
LM07W	50.700	50.340	48.660	47.500	47.900	47.100	46.900	39.500	44.400
LM08N	38.910	36.730	32.990	36.300	36.100	37.500	38.000	38.300	38.400
LM08S	40.900	38.290	34.350	36.300	35.800	37.100	37.600	39.400	40.200
LM09N	43.900	41.370	38.650	42.400	40.400	41.100	40.000	38.000	36.800
LM09S	45.560	43.370	37.270	44.200	42.900	41.700	41.900	40.400	41.500
LM10N	43.370	44.550	37.960	43.900	41.900	40.000	41.600	41.300	40.300
LM10S	40.670	41.410	39.340	39.800	40.600	40.200	41.700	41.200	41.700
LM11E	40.000	35.860	32.650	34.500	35.100	36.100	37.300	36.900	35.500
LM11W	46.750	44.910	41.170	40.400	41.500	42.600	42.600	41.300	41.700
LM12E	47.680	47.190	47.520	49.300	48.700	49.300	46.600	47.300	50.600
LM12W	49.310	45.920	49.420	51.500	51.400	50.700	46.700	47.100	51.100
LM13N	41.610	37.280	36.770	35.600	39.600	36.100	34.700	34.200	35.400
LM13S	48.970	44.040	39.910	44.400	45.500	42.800	43.200	42.200	42.700
LM14E	38.290	38.290	36.690	32.700	33.600	32.700	34.400	34.900	32.100
LM14W	36.730	36.360	36.290	35.000	34.300	35.800	35.500	36.000	33.400
LM15N	55.380	52.550	50.690	51.100	50.700	49.800	50.100	50.300	
LM15S	52.170	49.310	47.040	47.800	47.200	47.700	47.000	47.400	
LM16S	33.640	29.070	30.410	34.500	35.200	28.300	31.000	25.800	
LM17E	47.360	47.050	45.140	46.000	45.700	45.500	45.300	45.400	45.500
LM17W	45.560	44.310	43.090	44.500	43.800	42.900	43.800	42.900	42.400
LM18E	58.530	51.170	52.620	53.200	52.500	50.000	50.400	50.200	50.100
LM18W	58.060	52.590	52.150	52.000	52.000	52.700	49.500	49.700	49.300
LM19N									33.700
LM19S									27.000
Summary	48.550	45.940	44.340		45.400	44.700	45.100	44.350	44.750
Change		-2.610	-1.600		1.060	-0.700	0.400	-0.750	0.400
Significance		0.000	0.010		0.004	0.051	0.396	0.000	0.111

Note: these roads were 60 km/h in 2002

Table B.4
Adelaide 50 km/h local road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	51.060	48.970	47.690	47.600	46.700	46.600	46.600	45.200	44.800
LM01W	47.050	46.150	45.870	46.300	45.200	45.400	45.800	45.100	44.600
LM02N	58.060	54.130	55.700	57.400	57.700	52.800	54.400	53.900	55.800
LM02S	54.540	54.540	53.840	57.300	57.400	51.900			
LM03N	50.000	44.440	50.700	49.000	49.300	52.300	49.500	48.500	48.800
LM03S	50.340	46.750	49.610	49.600	49.600	51.100	48.900	48.300	49.300
LM04E	60.000	54.930	56.630	57.100	58.100	56.400	56.400	53.000	54.600
LM04W	63.150	56.110	60.060	59.600	60.600	58.700	58.800	55.400	56.800
LM05N	62.600	62.600	60.220	60.800	60.600	59.900	59.900	57.700	58.100
LM05S	64.280	60.500	60.630	60.600	60.600	61.600	59.800	58.300	58.000
LM06E	60.000	57.140	54.240	55.600	55.600	54.200	55.100	52.900	53.700
LM06W	60.500	56.690	52.880	54.800	54.400	54.000	53.900	52.800	52.100
LM07E	60.500	57.600	56.240	58.000	56.300	56.600	55.300	47.800	56.400
LM07W	62.060	59.500	57.000	56.500	57.200	58.600	55.900	49.800	54.500
LM08N	48.970	43.110	42.120	41.800	42.800	43.500	48.900	48.700	50.100
LM08S	50.340	47.680	45.770	42.200	43.200	44.500	46.500	47.200	51.200
LM09N	55.810	51.420	48.250	51.200	49.200	49.800	49.300	47.500	47.400
LM09S	58.060	53.730	48.040	52.200	51.000	50.200	50.400	49.200	50.700
LM10N	50.700	52.930	46.130	51.200	50.300	47.300	48.600	49.000	47.300
LM10S	49.310	49.710	48.470	47.200	48.600	47.800	49.500	49.100	49.000
LM11E	50.700	46.310	45.250	45.900	47.200	47.700	48.800	48.300	47.600
LM11W	58.060	55.320	54.310	52.700	53.200	53.400	53.800	53.100	53.900
LM12E	56.690	54.520	55.410	55.900	56.000	57.300	53.600	54.200	58.200
LM12W	58.530	52.480	55.960	59.600	59.500	58.400	53.100	52.700	58.800
LM13N	61.530	56.170	50.870	51.500	53.500	51.700	50.900	49.300	50.600
LM13S	63.150	61.190	52.920	53.800	55.600	53.200	53.200	52.400	52.400
LM14E	47.680	47.680	45.390	40.200	42.500	41.200	42.900	42.900	38.700
LM14W	44.720	44.720	44.810	42.400	44.100	43.200	43.700	44.500	40.600
LM15N	64.280	62.600	59.340	59.200	59.900	58.800	58.800	58.100	
LM15S	60.500	58.060	55.360	54.800	55.200	56.300	54.900	54.400	
LM16S	41.610	37.660	38.650	41.300	42.700	36.900	38.700	33.600	
LM17E	55.380	54.650	52.140	52.100	52.100	51.800	51.200	51.300	51.600
LM17W	53.330	51.540	50.630	51.100	50.600	49.900	50.400	49.400	49.100
LM18E	64.860	58.460	59.550	59.900	59.400	56.500	56.700	56.400	55.800
LM18W	65.450	60.020	58.750	59.200	58.900	60.000	55.900	55.900	55.300
LM19N									40.900
LM19S									36.800
Summary	57.150	54.290	53.050		53.500	52.800	52.800	52.100	52.400
Change		-2.860	-1.240		0.450	-0.700	0.000	-0.700	0.300
Significance		0.000	0.020		0.115	0.075	0.717	0.000	0.080

Note: these roads were 60 km/h in 2002

Table B.5
Adelaide 50 km/h local road results for each site in each direction of travel - per cent above 50 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	18.129	10.526	8.046	7.576	6.472	6.917	6.377	4.550	4.150
LM01W	8.824	6.536	6.574	7.485	4.880	4.855	5.478	3.839	3.928
LM02N	41.161	27.957	32.488	33.131	36.031	22.383	29.829	26.352	35.788
LM02S	29.932	27.273	26.241	33.094	34.023	19.427			
LM03N	12.717	2.732	17.021	11.765	13.043	23.144	12.263	10.031	10.836
LM03S	15.152	7.692	14.050	13.004	13.527	18.746	11.924	9.976	12.362
LM04E	61.612	38.584	47.639	50.738	53.369	45.300	47.589	26.730	36.967
LM04W	69.337	46.459	62.039	61.222	65.150	55.114	56.552	38.295	47.303
LM05N	72.768	63.786	72.664	59.514	61.621	59.645	61.721	46.667	49.487
LM05S	75.862	63.968	68.702	58.874	61.068	65.839	60.331	52.444	53.945
LM06E	51.478	46.069	29.359	38.436	35.160	29.483	33.861	25.097	28.280
LM06W	52.459	45.169	24.424	30.189	31.307	28.287	29.585	24.007	21.785
LM07E	55.556	53.125	34.247	40.876	37.841	34.714	35.675	10.941	33.990
LM07W	51.493	50.382	46.753	40.517	40.485	37.778	33.694	14.591	31.157
LM08N	7.080	4.348	2.353	1.389	2.041	1.953	11.334	10.830	15.039
LM08S	16.484	5.495	4.040	0.000	1.060	2.717	6.073	7.825	16.346
LM09N	28.679	18.297	10.579	19.113	12.685	14.255	13.305	9.044	9.637
LM09S	35.359	26.535	11.273	22.605	18.020	15.465	15.805	12.545	16.439
LM10N	16.456	26.282	7.407	17.714	15.717	9.546	11.433	11.917	8.049
LM10S	12.500	14.706	10.000	10.638	11.050	8.899	13.467	12.150	11.456
LM11E	15.543	9.510	5.882	7.209	9.474	10.466	12.455	11.335	10.716
LM11W	39.783	31.569	26.580	21.364	22.944	24.969	25.318	22.577	24.478
LM12E	39.882	34.984	38.095	42.620	41.804	46.069	29.880	32.778	52.451
LM12W	45.399	25.783	46.449	59.708	57.837	53.828	29.078	29.187	55.228
LM13N	35.546	27.551	16.978	18.031	23.504	18.667	16.817	13.479	16.105
LM13S	46.622	37.500	20.118	31.525	34.472	23.701	24.006	21.620	23.149
LM14E	6.944	8.589	5.294	1.205	3.074	1.498	2.442	2.486	0.711
LM14W	2.454	4.787	3.185	2.256	5.072	2.923	3.829	4.163	0.572
LM15N	70.968	61.283	54.642	54.756	52.653	48.551	50.204	51.353	
LM15S	60.412	46.697	37.500	37.018	35.605	38.915	34.649	33.808	
LM16S	1.707	1.257	1.493	2.403	2.779	0.596	0.922	0.195	
LM17E	37.726	33.024	23.167	24.708	24.653	22.228	20.125	20.580	21.589
LM17W	29.351	20.391	17.096	18.744	17.201	14.521	16.176	12.701	11.885
LM18E	84.012	57.783	64.969	68.727	65.643	49.891	51.962	51.123	50.266
LM18W	84.207	64.598	64.528	62.825	63.053	66.874	46.318	47.445	45.021
LM19N									2.944
LM19S									1.794
Summary	34.217	26.223	23.742		24.653	22.471	23.235	21.347	22.876
Change		-7.995	-2.480		0.911	-2.182	0.764	-1.887	1.529
Significance		0.000	0.107		0.168	0.017	0.787	0.000	0.005

Note: these roads were 60 km/h in 2002

Table B.6
Adelaide 50 km/h local road results for each site in each direction of travel - per cent above 55 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	5.848	3.947	2.874	1.515	2.508	2.135	1.822	1.162	0.810
LM01W	2.647	1.634	2.422	2.695	1.595	1.316	1.403	1.293	1.010
LM02N	23.747	13.172	17.972	20.061	20.911	10.692	13.661	12.580	17.169
LM02S	12.245	13.287	14.184	17.986	19.922	9.097			
LM03N	5.780	1.093	6.809	4.278	4.604	7.933	4.088	3.110	2.816
LM03S	5.682	2.098	4.545	3.587	2.968	6.471	2.271	2.330	2.330
LM04E	35.207	14.867	21.044	22.155	26.354	19.119	20.019	9.539	13.436
LM04W	47.810	19.328	34.029	33.791	36.558	28.689	29.282	16.057	22.021
LM05N	54.464	39.506	43.253	39.271	36.732	34.772	35.196	24.269	25.941
LM05S	63.602	43.725	41.603	35.931	36.713	41.248	34.807	26.833	27.924
LM06E	30.957	22.669	13.167	16.287	16.415	13.454	15.211	9.855	11.371
LM06W	30.679	19.324	9.908	14.046	13.581	12.780	11.726	9.455	8.232
LM07E	35.294	27.344	17.808	20.438	18.861	18.149	15.702	4.453	18.062
LM07W	27.612	30.534	24.675	23.276	20.817	23.750	17.465	7.296	13.501
LM08N	0.885	0.000	0.000	1.389	0.557	0.391	2.726	3.430	5.469
LM08S	2.198	2.198	1.010	0.000	0.353	0.259	1.889	2.191	8.333
LM09N	16.112	7.841	4.247	7.075	4.699	4.697	4.730	3.296	3.040
LM09S	21.271	12.475	5.040	8.429	6.492	5.527	5.221	4.859	6.421
LM10N	6.962	8.974	2.646	5.143	6.107	3.365	3.382	4.953	2.846
LM10S	5.288	7.059	3.000	4.255	3.710	2.489	4.018	4.232	3.032
LM11E	7.331	3.170	1.681	3.023	3.705	3.642	5.551	4.383	4.286
LM11W	21.338	15.693	12.639	9.156	10.366	11.824	12.302	10.840	12.085
LM12E	21.123	13.443	15.619	19.188	18.410	22.626	10.685	12.453	26.514
LM12W	24.294	7.502	18.466	29.781	30.499	26.935	8.680	8.267	28.351
LM13N	26.209	17.245	8.800	8.739	11.953	8.609	8.083	5.632	7.555
LM13S	33.784	24.432	12.130	11.525	15.975	11.084	11.288	9.174	9.812
LM14E	0.694	1.840	1.765	0.602	1.025	0.562	0.837	1.043	0.237
LM14W	1.227	1.596	0.637	1.504	1.544	0.258	0.912	0.473	0.163
LM15N	50.000	37.292	29.443	30.077	29.561	24.956	26.168	25.222	
LM15S	32.952	25.057	15.686	14.139	15.204	18.373	14.676	13.039	
LM16S	0.100	0.193	0.299	0.418	0.654	0.188	0.319	0.065	
LM17E	16.298	13.429	7.330	7.429	6.992	6.432	5.690	5.681	5.462
LM17W	10.917	6.611	5.349	5.633	4.793	4.117	4.389	3.648	2.620
LM18E	66.543	29.014	33.796	39.389	34.501	20.310	21.310	20.455	17.911
LM18W	65.659	36.289	30.605	31.202	32.021	35.588	17.781	18.388	15.688
LM19N									1.472
LM19S									1.046
Summary	20.297	12.618	11.356		11.953	11.277	11.386	10.485	11.123
Change		-7.679	-1.262		0.597	-0.676	0.109	-0.901	0.638
Significance		0.000	0.070		0.131	0.030	0.577	0.000	0.053

Note: these roads were 60 km/h in 2002

Table B.7
Adelaide 50 km/h local road results for each site in each direction of travel - per cent above 60 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	1.170	1.316	0.000	0.505	1.052	1.196	0.810	0.290	0.000
LM01W	0.882	0.000	0.346	1.198	0.282	0.499	0.453	0.509	0.150
LM02N	10.554	5.645	7.143	9.119	11.242	4.698	6.190	5.885	7.232
LM02S	5.442	6.993	9.220	8.633	10.220	3.951			
LM03N	2.312	0.546	2.128	1.604	1.961	2.111	1.211	0.544	0.853
LM03S	2.273	0.350	2.893	0.897	0.690	2.335	0.315	0.717	0.777
LM04E	14.275	4.779	6.794	8.775	9.834	6.780	6.846	3.222	4.379
LM04W	25.657	7.803	15.233	13.342	16.490	11.796	11.799	5.986	7.597
LM05N	25.000	21.399	15.917	17.004	16.593	14.340	14.579	9.649	9.651
LM05S	34.866	15.789	17.176	16.883	16.677	20.594	14.199	9.989	9.961
LM06E	14.957	8.958	5.160	4.072	5.877	5.306	5.659	3.448	4.232
LM06W	15.457	10.386	5.760	5.870	5.293	4.743	4.299	3.398	2.966
LM07E	15.033	8.594	10.274	8.759	9.134	7.186	7.576	2.163	8.210
LM07W	18.657	11.450	7.792	7.759	9.323	11.667	7.264	3.899	5.193
LM08N	0.000	0.000	0.000	1.389	0.371	0.130	0.143	0.181	2.148
LM08S	0.000	0.000	0.000	0.000	0.000	0.000	0.540	0.782	2.404
LM09N	7.948	3.457	1.622	2.640	1.743	1.787	1.608	1.133	0.760
LM09S	9.116	5.149	1.989	3.640	2.357	1.755	1.263	1.792	2.194
LM10N	1.899	4.487	1.058	1.714	1.954	1.565	1.047	1.866	1.057
LM10S	1.442	2.353	1.500	1.064	0.947	0.603	0.893	1.843	0.606
LM11E	2.639	1.441	1.120	1.163	1.389	1.475	1.760	1.864	1.725
LM11W	10.669	6.387	5.576	2.513	3.214	4.308	5.343	3.805	4.930
LM12E	7.238	3.695	6.095	6.642	6.108	8.566	2.644	3.392	9.741
LM12W	9.693	2.622	6.676	14.307	13.691	11.204	2.488	2.397	11.952
LM13N	17.660	9.184	3.733	3.540	5.011	3.598	3.123	1.992	3.176
LM13S	23.649	17.614	5.621	3.051	6.096	3.909	5.034	3.863	3.231
LM14E	0.000	0.613	0.588	0.602	0.615	0.375	0.279	0.321	0.119
LM14W	0.000	1.064	0.000	0.000	0.441	0.000	0.091	0.095	0.000
LM15N	28.111	22.090	12.467	12.339	14.469	12.034	12.269	10.515	
LM15S	16.018	10.478	6.863	5.141	6.346	8.305	5.904	5.166	
LM16S	0.100	0.000	0.100	0.000	0.163	0.047	0.071	0.000	
LM17E	5.433	4.307	2.262	2.170	2.014	1.810	1.552	1.604	1.365
LM17W	2.163	2.142	1.433	1.200	1.198	1.174	1.250	1.100	0.662
LM18E	36.269	10.595	13.580	14.669	12.873	6.654	6.858	6.644	4.721
LM18W	38.374	15.075	11.283	12.720	11.821	14.794	6.128	5.737	4.414
LM19N									0.570
LM19S									0.747
Summary	9.687	5.719	5.011		5.011	4.770	4.748	4.400	4.402
Change		-3.968	-0.709		0.000	-0.241	-0.022	-0.348	0.002
Significance		0.000	0.150		0.930	0.064	0.196	0.003	0.209

Note: these roads were 60 km/h in 2002

Table B.8
Adelaide 50 km/h local road results for each site in each direction of travel - per cent above 65 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LM01E	0.000	0.658	0.000	0.000	0.162	0.342	0.607	0.000	0.000
LM01W	0.294	0.000	0.000	0.898	0.188	0.136	0.226	0.235	0.075
LM02N	4.749	2.688	4.839	5.775	5.958	2.442	2.401	2.788	3.275
LM02S	3.401	4.895	2.837	5.755	6.339	1.667			
LM03N	0.000	0.000	0.851	1.070	0.853	0.801	0.454	0.078	0.256
LM03S	1.515	0.350	2.479	0.000	0.207	0.600	0.063	0.179	0.000
LM04E	5.473	1.239	2.568	3.215	3.576	2.234	2.437	0.976	1.507
LM04W	9.512	2.521	6.511	5.736	6.474	4.241	4.567	1.812	2.652
LM05N	9.821	8.230	7.266	5.668	4.940	5.584	5.652	3.450	3.628
LM05S	12.644	9.312	6.489	4.762	5.879	6.965	4.751	2.657	2.686
LM06E	5.913	3.656	1.957	0.977	2.356	2.351	2.128	1.408	1.727
LM06W	6.089	3.382	2.304	1.887	1.785	1.903	1.563	1.480	1.109
LM07E	7.843	2.344	3.425	5.109	4.982	2.923	2.617	1.018	3.284
LM07W	9.701	6.107	3.896	5.172	4.725	4.861	2.937	1.509	2.671
LM08N	0.000	0.000	0.000	0.000	0.186	0.130	0.000	0.000	0.391
LM08S	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.156	1.122
LM09N	2.793	1.518	0.541	0.739	0.684	0.690	0.629	0.484	0.104
LM09S	3.039	3.168	0.398	0.766	0.707	0.640	0.358	0.677	0.953
LM10N	1.266	1.282	0.000	1.143	0.896	0.469	0.242	0.718	0.488
LM10S	0.962	0.000	0.500	0.000	0.395	0.151	0.223	0.683	0.135
LM11E	1.760	0.576	0.840	0.930	0.842	0.553	0.722	0.907	0.889
LM11W	3.255	2.007	1.859	0.898	1.279	1.415	2.361	1.615	2.260
LM12E	2.068	0.865	2.667	3.137	2.708	3.297	0.652	0.857	3.470
LM12W	3.436	0.947	2.557	6.277	5.407	4.715	1.111	0.860	4.578
LM13N	9.224	3.673	1.689	0.996	1.912	1.340	1.253	0.738	1.361
LM13S	11.486	9.659	1.775	1.356	2.154	1.385	2.067	1.770	1.116
LM14E	0.000	0.000	0.588	0.000	0.342	0.281	0.140	0.241	0.059
LM14W	0.000	1.064	0.000	0.000	0.221	0.000	0.000	0.095	0.000
LM15N	13.594	10.689	6.631	5.913	7.048	5.884	5.296	4.575	
LM15S	6.636	4.328	3.676	0.771	2.002	4.102	2.429	1.924	
LM16S	0.000	0.000	0.000	0.000	0.082	0.016	0.018	0.000	
LM17E	2.113	1.098	0.814	0.250	0.463	0.640	0.505	0.502	0.504
LM17W	1.133	0.466	0.764	0.554	0.413	0.332	0.365	0.443	0.122
LM18E	13.472	4.156	4.475	4.170	4.306	2.204	2.381	2.030	1.447
LM18W	15.726	5.321	3.245	3.584	3.621	5.667	2.219	1.652	1.576
LM19N									0.237
LM19S									0.224
Summary	3.181	1.933	1.785		1.785	1.724	1.615	1.417	1.446
Change		-1.248	-0.149		0.000	-0.061	-0.109	-0.198	0.029
Significance		0.000	0.202		0.655	0.121	0.042	0.006	0.124

Note: these roads were 60 km/h in 2002

Table B.9
Adelaide 50 km/h collector road results for each site in each direction of travel - vehicle count

Site ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	617	693	746	743	4332	4552	4750	4311	5611
CM01W	788	814	993	1079	5946	6194	6903	6410	7672
CM02N	1721	2215	2425	1978	18722	15609	17718	19562	15400
CM02S	1806	2370	2492	2307	21305	18994	18612	20194	14456
CM03N	1621	1703	1682	1864	13157	13269	14247	14895	16756
CM03S	1537	1654	1617	1741	12330	12875	13774	14541	16165
CM04E	1078	1125	1134	1162	7348	7568	7756	7207	7982
CM04W	981	972	993	1029	6488	6470	6606	6326	6642
CM05E	804	869	862	903	6852				
CM05W	952	948	1050	1067	7984				
CM06E	1041	951	1047	966	6833	7048	7162	7009	6735
CM06W	803	787	993	963	6739	6948	7037	6827	6736
CM07N	595	588	504	615	4022	4287	4334	4117	4172
CM07S	486	453	401	485	3221	3378	3375	3285	3325
CM08E	4859	4651	4455	4824	32597	31923	32923	33401	33833
CM08W	4806	4402	4311	4605	31093	30115	30615	31435	31654
CM09N	2117	2237	2035	2019	11707	11059	12414	12227	12486
CM09S	2464	2228	2403	2486	15656	14688	12901	15230	15364
CM10N	657	562	564	508	3305	3269	3117	3378	3241
CM10S	759	676	683	584	3838	3905	3841	3894	4037
CM11E	1315	1146	1360	1994	12574	8694	8606	8509	8478
CM11W	1198	1418	1404	2159	13296	9547	9672	9802	10011
CM12E							7627	7534	8041
CM12W							8779	8533	9327

Note: these roads were 60 km/h in 2002

Table B.10
Adelaide 50 km/h collector road results for each site in each direction of travel - mean speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	50.401	48.838	47.391	49.709	49.250	48.163	47.629	48.996	46.703
CM01W	50.046	49.765	48.614	50.685	50.457	48.647	48.471	50.333	49.678
CM02N	44.079	48.718	47.043	46.972	45.118	47.916	46.233	45.530	45.886
CM02S	43.032	46.746	44.616	45.268	44.066	45.507	48.618	46.584	45.841
CM03N	61.407	54.746	53.490	53.794	54.404	53.284	51.818	52.106	52.882
CM03S	58.168	53.374	52.042	51.378	51.545	52.830	50.463	51.975	52.191
CM04E	58.949	56.384	54.073	50.943	50.849	51.646	52.807	53.270	60.302
CM04W	59.190	59.244	54.245	52.658	52.460	50.643	54.854	56.651	59.478
CM05E	52.787	50.485	48.876	51.335	50.895				
CM05W	52.038	49.730	49.300	50.612	50.295				
CM06E	53.411	50.440	49.458	51.028	51.108	50.795	50.745	50.496	50.975
CM06W	62.298	55.323	50.895	51.333	51.421	51.816	51.761	51.490	51.726
CM07N	58.557	53.825	54.086	54.242	53.869	53.919	53.521	51.910	53.137
CM07S	58.579	57.034	56.988	55.049	55.122	53.459	53.706	51.692	55.214
CM08E	55.681	51.745	49.493	50.228	50.031	49.363	48.185	49.618	49.937
CM08W	54.655	51.853	49.154	49.412	49.599	48.981	47.486	48.957	49.280
CM09N	49.746	46.679	45.807	47.361	47.174	46.197	45.743	45.453	46.059
CM09S	47.963	47.761	46.680	47.087	47.395	46.640	46.020	46.316	46.518
CM10N	51.953	50.818	49.260	49.510	49.260	47.784	47.951	47.781	47.011
CM10S	51.404	51.132	50.121	50.065	49.945	47.842	49.013	49.012	48.651
CM11E	56.261	52.128	51.675	53.964	53.785	51.797	53.019	51.676	49.534
CM11W	51.644	52.297	52.055	53.663	53.393	52.086	52.323	51.821	49.658
CM12E							44.382	41.704	39.951
CM12W							44.962	42.351	43.227
Summary	53.829	51.524	50.230		50.653	49.787	49.671	49.462	49.740
Change		-2.305	-1.294		0.422	-0.866	-0.115	-0.209	0.278
Significance		0.003	0.000		0.054	0.064	0.596	0.588	0.610

Note: these roads were 60 km/h in 2002

Table B.11
Adelaide 50 km/h collector road results for each site in each direction of travel - median speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	50.780	48.880	47.670	49.700	49.400	48.300	47.800	49.100	46.700
CM01W	50.620	49.770	48.890	50.800	50.700	48.900	49.000	50.800	49.900
CM02N	46.200	49.060	47.680	47.600	46.200	48.400	47.000	46.800	47.100
CM02S	44.510	46.950	45.580	46.400	45.200	46.900	49.300	47.900	47.400
CM03N	62.040	54.460	53.330	53.400	54.200	52.900	51.700	51.700	52.700
CM03S	58.490	52.850	51.660	51.200	51.500	52.500	50.500	51.700	52.200
CM04E	59.900	56.950	53.800	50.700	50.800	51.600	52.900	53.300	60.000
CM04W	59.910	59.230	53.780	52.600	52.400	50.800	55.000	56.700	59.200
CM05E	54.300	51.840	50.210	51.800	51.600				
CM05W	53.460	50.570	50.030	50.800	50.800				
CM06E	58.340	54.370	52.090	54.300	54.300	53.800	53.900	53.500	53.500
CM06W	62.800	57.730	54.050	54.500	54.900	54.900	55.000	54.700	54.000
CM07N	59.790	54.790	54.800	55.100	54.400	54.000	53.800	52.400	53.100
CM07S	58.840	57.640	57.060	55.000	55.700	53.900	54.200	52.100	55.700
CM08E	56.050	51.290	49.510	50.000	50.000	49.400	48.100	49.600	49.900
CM08W	55.010	51.560	49.300	49.300	49.500	49.000	47.500	49.000	49.300
CM09N	50.970	47.330	46.630	48.200	48.000	47.000	46.800	46.700	47.400
CM09S	48.550	48.300	47.260	47.700	48.100	47.400	46.700	46.900	47.500
CM10N	53.190	50.630	49.690	49.900	49.900	48.600	48.700	48.800	47.600
CM10S	52.290	51.400	50.630	50.500	50.500	48.600	49.500	49.900	49.500
CM11E	57.150	52.000	51.410	53.500	53.500	51.900	52.800	51.600	50.300
CM11W	52.880	52.570	52.490	53.600	53.500	52.200	52.300	51.800	50.300
CM12E							45.100	42.000	40.200
CM12W							45.800	42.600	43.400
Summary	54.240	51.515	50.355		50.800	49.950	50.050	50.000	50.300
Change		-2.725	-1.160		0.445	-0.855	0.100	-0.050	0.300
Significance		0.000	0.000		0.082	0.055	0.841	0.785	0.865

Note: these roads were 60 km/h in 2002

Table B.12
Adelaide 50 km/h collector road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	57.830	56.660	54.400	56.200	56.000	55.400	54.700	55.800	53.000
CM01W	57.030	56.190	54.770	56.800	56.800	54.700	55.100	56.800	55.700
CM02N	54.870	55.500	54.220	53.900	52.600	54.800	53.100	53.200	53.600
CM02S	51.810	52.990	51.190	51.400	50.800	52.600	55.800	53.900	53.300
CM03N	69.150	63.730	61.140	62.100	62.300	60.800	59.700	59.100	59.900
CM03S	65.990	61.420	59.410	58.700	58.600	60.000	57.800	58.500	59.300
CM04E	66.990	64.080	61.250	57.600	57.300	58.700	60.600	60.700	68.300
CM04W	66.250	67.350	61.270	58.900	59.100	57.000	62.600	64.000	67.100
CM05E	61.730	59.900	57.840	59.200	58.800				
CM05W	61.300	58.020	57.250	57.700	57.800				
CM06E	66.930	64.830	62.780	64.400	64.600	64.200	63.400	63.200	62.900
CM06W	69.110	68.290	63.800	63.500	63.700	64.200	64.400	64.000	63.000
CM07N	68.290	64.090	63.470	64.400	63.300	63.400	62.400	60.800	61.700
CM07S	67.180	67.660	66.910	64.300	64.500	62.800	62.300	60.400	64.300
CM08E	61.380	57.540	54.360	54.900	54.900	54.000	52.700	54.200	54.900
CM08W	60.280	57.040	53.960	54.200	54.600	53.900	52.100	53.700	54.200
CM09N	59.730	54.590	54.110	55.500	55.400	53.900	53.500	53.400	54.100
CM09S	55.570	55.590	53.730	54.800	55.000	54.100	53.400	53.400	54.000
CM10N	61.420	58.810	57.360	58.100	57.500	56.000	56.000	56.000	54.800
CM10S	60.620	59.320	58.100	58.400	58.000	55.800	56.800	57.200	56.300
CM11E	63.030	59.040	58.050	60.500	60.200	59.100	60.100	58.400	57.100
CM11W	58.560	58.890	58.920	59.900	59.900	58.600	58.800	58.000	55.900
CM12E							50.800	47.000	45.100
CM12W							51.600	47.600	48.500
Summary	61.055	59.090	57.260		57.900	57.000	56.550	56.500	56.950
Change		-1.965	-1.830		0.640	-0.900	-0.450	-0.050	0.450
Significance		0.001	0.000		0.121	0.097	0.541	0.349	0.949

Note: these roads were 60 km/h in 2002

Table B.13
Adelaide 50 km/h collector road results for each site in each direction of travel - per cent above 50 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	54.943	43.001	33.780	47.106	45.129	39.807	35.789	43.841	27.963
CM01W	53.807	48.157	40.584	55.144	54.911	41.040	42.648	54.836	49.244
CM02N	34.340	43.747	35.134	32.457	26.317	39.695	29.981	29.915	31.390
CM02S	22.979	29.114	20.626	22.063	18.296	27.798	44.681	35.491	32.118
CM03N	91.548	72.402	68.430	67.704	71.422	66.938	59.479	60.772	67.588
CM03S	86.662	64.571	60.853	58.357	60.187	65.305	52.940	62.279	65.184
CM04E	87.384	81.333	74.780	54.045	55.131	59.474	66.362	70.043	91.431
CM04W	90.928	88.580	74.522	69.291	65.953	54.992	77.823	85.330	91.524
CM05E	68.657	58.688	51.160	63.123	59.632				
CM05W	65.651	53.376	50.190	55.670	54.547				
CM06E	72.526	63.722	59.121	65.631	65.872	64.557	64.884	63.946	64.009
CM06W	94.521	75.731	63.646	67.290	67.636	68.351	67.856	67.189	66.315
CM07N	83.361	72.959	72.024	72.195	70.761	69.163	68.874	61.720	67.186
CM07S	82.099	80.132	79.302	75.670	75.287	67.732	70.933	61.400	76.211
CM08E	84.441	61.342	45.185	49.938	49.207	43.135	31.540	45.271	48.961
CM08W	81.481	62.858	43.192	43.431	45.396	40.611	26.755	39.669	43.006
CM09N	53.991	35.270	31.990	40.763	39.173	32.670	31.247	30.506	34.767
CM09S	41.234	40.395	33.250	37.128	38.356	34.041	30.370	30.565	34.203
CM10N	62.861	54.270	48.227	49.213	48.865	41.725	42.798	42.658	35.329
CM10S	61.265	59.320	53.294	52.568	52.866	41.076	46.993	49.127	46.123
CM11E	82.738	62.740	60.735	76.329	74.073	62.342	67.662	60.900	51.781
CM11W	66.110	66.996	67.664	76.610	73.684	65.005	65.767	63.283	51.943
CM12E							18.225	5.415	2.798
CM12W							22.041	6.762	9.617
Summary	68.165	58.779	52.480		55.021	49.967	49.986	49.884	52.048
Change		-9.386	-6.299		2.541	-5.054	0.019	-0.102	2.165
Significance		0.000	0.000		0.050	0.033	0.898	0.924	0.633

Note: these roads were 60 km/h in 2002

Table B.14
Adelaide 50 km/h collector road results for each site in each direction of travel - per cent above 55 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	25.932	19.769	12.064	19.246	18.606	16.366	13.642	17.977	9.392
CM01W	23.985	19.656	14.300	21.594	22.368	13.675	15.269	22.699	17.518
CM02N	14.352	16.885	12.825	11.780	8.493	14.120	9.363	9.406	10.506
CM02S	6.146	8.819	5.177	4.768	4.473	7.839	17.709	11.251	9.525
CM03N	83.775	47.681	40.785	42.060	45.132	37.968	32.133	30.225	35.498
CM03S	70.332	38.392	30.736	28.662	29.043	34.524	24.408	29.207	31.779
CM04E	73.655	59.644	42.681	24.182	24.279	29.730	37.855	39.517	75.758
CM04W	75.841	71.193	42.800	34.208	33.015	23.354	49.425	60.307	73.773
CM05E	46.891	31.646	25.754	32.226	30.911				
CM05W	40.651	26.793	23.429	26.523	25.889				
CM06E	62.536	48.686	39.064	47.619	47.636	45.389	45.043	43.544	42.955
CM06W	87.173	60.229	46.123	47.456	49.221	49.626	49.638	48.792	45.442
CM07N	73.445	49.150	48.413	50.244	46.271	45.136	43.078	36.143	39.166
CM07S	71.811	61.589	60.599	49.485	53.369	44.050	45.748	34.186	53.444
CM08E	58.222	25.521	12.817	14.428	14.228	11.330	7.900	11.697	14.246
CM08W	50.021	24.739	10.786	11.944	13.189	10.563	6.271	10.116	11.803
CM09N	33.018	13.858	12.285	16.840	16.349	11.529	10.238	10.052	12.230
CM09S	16.761	16.966	11.278	14.119	14.736	12.037	10.302	9.619	11.358
CM10N	42.314	32.384	21.986	25.984	24.327	18.171	18.768	17.940	14.440
CM10S	36.364	29.882	26.940	25.514	25.795	17.593	20.906	22.137	19.619
CM11E	61.901	32.548	26.691	39.819	39.518	31.033	37.172	28.546	21.916
CM11W	36.144	34.274	32.906	40.157	39.463	31.298	32.103	28.066	17.970
CM12E							4.432	1.075	0.547
CM12W							5.547	1.078	1.683
Summary	43.849	29.995	24.121		25.842	23.044	22.877	22.122	22.974
Change		-13.854	-5.874		1.721	-2.798	-0.167	-0.755	0.853
Significance		0.000	0.000		0.129	0.017	0.956	0.566	0.702

Note: these roads were 60 km/h in 2002

Table B.15
Adelaide 50 km/h collector road results for each site in each direction of travel - per cent above 60 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	10.049	7.937	3.887	6.729	5.725	4.723	4.611	5.869	2.941
CM01W	6.091	6.265	3.223	7.229	6.794	3.390	3.738	6.240	4.549
CM02N	3.544	4.921	3.588	2.275	2.201	4.248	2.845	2.668	2.948
CM02S	1.661	2.363	1.645	0.997	1.338	2.169	6.233	2.927	2.414
CM03N	62.307	26.189	17.539	21.513	22.232	17.010	13.982	12.461	14.705
CM03S	39.427	19.952	13.296	11.258	11.444	14.788	10.113	10.825	12.948
CM04E	49.351	30.667	18.959	8.348	7.812	11.271	16.555	16.692	49.975
CM04W	49.643	45.679	18.630	12.051	12.223	7.419	23.933	30.541	44.956
CM05E	21.517	14.269	8.933	12.182	11.340				
CM05W	19.328	9.599	8.000	8.997	8.855				
CM06E	43.420	29.338	20.917	27.950	28.362	26.717	24.071	23.912	23.296
CM06W	65.629	41.423	27.291	27.310	27.526	29.001	28.776	27.845	24.302
CM07N	48.403	27.211	24.008	26.016	24.416	24.236	22.635	17.100	19.655
CM07S	43.416	39.073	34.663	28.866	30.332	22.883	22.133	15.708	28.331
CM08E	21.362	8.665	3.367	4.125	3.813	2.992	2.038	2.925	3.677
CM08W	16.146	7.156	2.412	2.975	3.104	2.530	1.630	2.290	2.843
CM09N	14.218	4.917	4.128	5.052	4.946	3.011	2.699	2.846	3.107
CM09S	4.830	4.354	3.121	3.781	4.235	3.404	2.915	2.443	2.760
CM10N	21.613	12.100	8.156	9.055	9.017	6.546	5.679	6.424	4.721
CM10S	16.601	13.609	9.517	9.932	9.406	5.685	6.925	7.910	6.688
CM11E	29.658	12.129	10.809	16.499	15.620	12.261	15.222	10.436	8.233
CM11W	8.848	11.072	11.396	14.405	14.591	10.642	11.507	9.518	4.975
CM12E							1.272	0.319	0.124
CM12W							1.242	0.199	0.354
Summary	21.599	12.454	8.383		9.211	7.888	7.487	7.319	7.527
Change		-9.146	-4.071		0.829	-1.324	-0.401	-0.168	0.208
Significance		0.000	0.000		0.210	0.036	0.674	0.371	0.775

Note: these roads were 60 km/h in 2002

Table B.16
Adelaide 50 km/h collector road results for each site in each direction of travel - per cent above 65 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CM01E	3.079	2.309	1.609	1.615	1.639	1.428	1.726	1.833	0.909
CM01W	0.888	2.211	0.906	1.668	1.615	0.727	0.971	1.607	0.938
CM02N	1.104	1.400	1.278	0.607	0.774	1.236	0.959	0.941	0.838
CM02S	0.332	0.844	0.682	0.217	0.573	0.658	2.294	0.906	0.768
CM03N	31.215	11.920	7.432	8.101	9.121	6.700	5.124	4.169	5.306
CM03S	17.502	7.799	4.886	4.308	4.331	5.701	3.841	3.652	4.541
CM04E	22.449	12.178	7.319	3.614	2.803	3.647	5.905	5.620	26.084
CM04W	20.387	23.560	7.049	4.373	3.730	1.994	9.022	11.903	21.876
CM05E	8.706	4.718	3.712	4.319	3.722				
CM05W	7.038	2.848	2.857	3.093	2.981				
CM06E	20.845	14.511	9.933	13.665	13.918	12.954	11.380	10.929	10.349
CM06W	34.994	22.109	11.883	10.903	11.738	12.550	13.614	12.275	10.407
CM07N	26.891	13.265	11.310	12.520	11.661	11.477	9.760	6.971	8.557
CM07S	23.045	20.751	18.703	13.402	13.753	10.272	9.719	6.819	13.203
CM08E	5.166	2.709	1.122	1.265	1.114	0.921	0.644	0.847	1.082
CM08W	3.371	2.204	0.835	0.695	0.833	0.614	0.428	0.643	0.799
CM09N	3.496	1.699	1.425	1.833	1.572	0.741	0.741	0.802	0.769
CM09S	1.015	1.122	0.791	1.126	1.175	0.817	0.752	0.637	0.690
CM10N	7.610	5.338	3.369	2.953	2.874	1.652	1.604	2.102	1.728
CM10S	5.665	3.698	3.221	2.911	2.892	1.946	2.499	2.671	2.279
CM11E	9.658	4.188	4.265	6.018	5.305	4.198	5.519	3.514	2.748
CM11W	1.920	3.808	4.345	4.910	4.603	3.331	3.557	3.091	1.438
CM12E							0.433	0.146	0.062
CM12W							0.410	0.059	0.118
Summary	6.482	4.199	2.862		2.937	2.342	2.318	2.081	2.023
Change		-2.283	-1.337		0.074	-0.594	-0.024	-0.237	-0.058
Significance		0.001	0.000		1.000	0.019	0.869	0.098	0.924

Note: these roads were 60 km/h in 2002

Table B.17
Adelaide 60 km/h arterial road results for each site in each direction of travel - vehicle count

Site ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	4662	6181	5027	5129	34260	34941	36402	36425	34981
AA01W	4865	6975	5304	5203	35663	36497	38204	37694	35788
AA02E	10536	10959	10771	11718	75334	76163	78134	77425	71028
AA02W	11360	11658	12717	13416	85120	86295	88724	87709	80951
AA03N	11202	11209	12328	12713	80909	76446	82971	81455	78961
AA03S	10239	10649	10404	10004	69181	66185	70947	68052	67327
AA04E					45081	44219	45995	46677	46422
AA04W					43931	43290	45666	44954	44461
AA05N					56899	54324	56246	57539	58426
AA05S					55564	53546	53092	57096	57850
AA06N					62556	63009	65375	63499	62986
AA06S					63480	63991	66703	66038	65137
AB01N	7753	7777	7399	6939	46791	44364	43945	51358	
AB01S	8201	8739	7919	7465	49064	46172	45294	50282	
AB02E					55728	54081	51795	54586	52410
AB02W					58657	56492	55475	57975	56619
AB03N					65326	64783	59320	65847	69801
AB03S					68552	68590	70723	70789	69303
AB04E					60635	58210	59590	58749	59518
AB04W					57887	56310	57777	58038	57618
AB05E					76941	75830	80274	75977	74328
AB05W					81768	80916	84608	77693	76014
AB06E					45604	39144	47233	41898	
AB06W					46233	40221		42999	
AC01N	10008	10182	9009	10274	68729	70876	73407	66270	68273
AC01S	9568	10235	9096	9675	64969	64576	67421	64727	65569
AC02E	4501	3924	4829	4807	30611	28176	31208	26819	
AC02W	2526	1666	2772	3106	18730	17287	21511	17654	
AC03N					21742	22002	26253	23411	21772
AC03S					35372	35498	45301	38912	41442
AC04N					31794	29224	35725	38422	40146
AC04S					38300	38194	34406	34691	35102
AC05N					66497	65414	67971	65982	67007
AC05S					69101	66501	69723	66641	69680
AC06N					38888	36584	46752	43748	42452
AC06S					38734	39602	45724	44453	42253
AD01N	9449	9687	10868	11527	76222	78305	77819	76797	77571
AD01S	7409	7251	8357	8447	56650	56603	60681	59859	61069
AD02E	2985	2978	3001	3312	22001	22310	22061	22070	23108
AD02W	2738	2233	2267	2791	17969	18014	17836	18096	19115
AD03N	9915	8966	9213	9379	60937	59447	57210	58616	62949
AD03S	9347	9507	9703	9818	64460	63267	58724	64466	65564
AD04E	6175	6534	6504	7485	51448	50792	52408	51672	52248
AD04W	5696	6007	6180	6613	46758	44265	47587	44816	44506
AD05N					50895	54364	53234	52310	
AD05S					49838	52818	51261	51050	49992
AD06N					35832	33131	37513	34415	32865
AD06S					37201	37344	34509	40802	36540
AD07E					45132	43294	46824	45196	46984
AD07W					46445	43978	47297	45599	48671
AD08N					44245	49381	47957	44718	44540
AD08S					31567	36844	35115	31992	32043
AD09N					44112	46113	44020	46855	48880
AD09S					40575	41872	40759	47322	45763

Table B.18
Adelaide 60 km/h arterial road results for each site in each direction of travel - mean speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	57.528	55.428	56.105	57.553	57.818	54.656	55.906	55.220	55.496
AA01W	55.436	53.952	54.736	56.517	56.454	54.961	55.143	54.683	53.756
AA02E	60.741	60.361	59.043	59.270	59.488	58.218	58.174	58.642	57.368
AA02W	59.427	57.707	56.655	56.246	57.058	55.479	54.863	55.307	53.744
AA03N	51.741	52.111	52.051	48.863	50.620	48.943	48.548	48.575	49.564
AA03S	52.146	50.097	51.012	48.995	50.190	50.680	51.040	51.173	50.472
AA04E					56.717	55.163	54.858	55.433	57.778
AA04W					56.820	55.915	55.612	56.245	54.122
AA05N					57.471	55.996	56.517	54.898	57.128
AA05S					56.908	55.222	55.086	54.315	56.692
AA06N					58.242	55.885	56.425	56.454	62.791
AA06S					56.981	57.297	54.401	55.486	56.952
AB01N	58.617	55.939	55.157	55.725	56.101	52.553	53.734	54.272	
AB01S	58.899	56.376	53.729	55.576	55.469	54.814	54.170	53.726	
AB02E					56.350	56.950	58.503	57.246	56.518
AB02W					57.142	55.392	57.064	56.864	56.566
AB03N					52.442	53.200	53.510	52.662	55.277
AB03S					56.061	55.767	55.548	54.028	53.454
AB04E					56.037	54.949	55.361	55.783	54.953
AB04W					56.344	55.920	55.464	56.398	56.050
AB05E					50.066	47.056	48.929	49.316	49.895
AB05W					53.864	51.529	51.461	51.600	51.898
AB06E					55.074	55.294	54.633	54.084	
AB06W					55.221	56.159		55.117	
AC01N	52.376	52.242	50.705	52.098	52.385	52.431	49.623	48.033	46.532
AC01S	51.284	52.954	50.668	52.766	53.229	52.096	52.172	51.329	54.265
AC02E	54.280	50.649	50.525	52.875	53.063	52.661	52.802	53.372	
AC02W	56.955	54.424	55.152	54.235	54.082	54.971	55.396	55.014	
AC03N					57.913	58.172	57.893	57.660	56.019
AC03S					56.651	57.210	56.229	56.361	52.954
AC04N					53.421	52.924	52.620	53.452	55.651
AC04S					54.773	56.248	55.380	54.151	53.056
AC05N					56.169	54.495	55.709	54.562	54.457
AC05S					55.093	55.239	54.561	54.662	55.346
AC06N					57.001	56.489	56.656	55.777	55.581
AC06S					56.789	57.872	56.052	55.619	56.229
AD01N	62.421	61.278	60.583	60.024	60.101	58.680	60.820	59.820	58.822
AD01S	61.682	59.587	59.224	53.919	56.726	57.683	57.298	57.281	56.152
AD02E	59.025	58.554	58.758	60.294	60.345	59.490	60.289	60.387	55.682
AD02W	58.726	59.946	59.235	58.493	58.381	57.588	57.771	57.485	59.149
AD03N	59.544	60.521	60.464	59.951	59.775	58.511	58.373	58.561	58.866
AD03S	61.617	61.708	59.593	59.274	58.852	58.115	59.476	58.586	57.643
AD04E	57.798	59.192	51.941	56.381	56.984	56.156	55.925	55.491	54.986
AD04W	68.425	66.955	56.320	60.224	60.691	57.540	59.255	56.548	56.710
AD05N					62.278	61.611	59.214	59.111	
AD05S					64.067	62.749	62.567	60.369	60.741
AD06N					58.029	59.428	57.382	54.831	55.914
AD06S					59.530	58.719	58.066	57.196	55.989
AD07E					50.698	48.287	50.077	49.904	50.456
AD07W					56.186	56.170	55.371	55.631	56.152
AD08N					59.189	60.891	59.828	57.755	60.187
AD08S					59.662	59.198	58.133	58.716	56.142
AD09N					63.853	60.904	60.281	59.539	59.887
AD09S					62.732	61.810	61.806	60.285	59.728
Summary	58.370	57.064	56.361		56.758	55.956	55.817	55.531	55.426
Change		-1.307	-0.703		0.397	-0.802	-0.139	-0.286	-0.105
Significance		0.012	0.017		0.368	0.000	0.533	0.005	0.954

Table B.19
Adelaide 60 km/h arterial road results for each site in each direction of travel - median speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	57.560	55.640	56.320	57.600	57.800	54.700	56.100	55.300	55.500
AA01W	55.970	54.370	55.030	56.800	56.800	55.200	55.400	55.000	54.000
AA02E	61.200	60.810	59.530	59.800	60.000	58.800	58.600	59.200	58.000
AA02W	59.370	58.540	57.700	57.500	58.100	56.800	56.100	56.700	54.800
AA03N	52.730	53.270	53.100	50.300	51.900	50.400	49.900	49.900	51.100
AA03S	53.630	51.270	52.230	50.100	51.400	52.300	52.100	52.300	51.600
AA04E					57.300	55.900	55.500	56.100	58.500
AA04W					57.600	56.700	56.300	57.000	54.900
AA05N					58.100	56.900	57.400	56.000	57.700
AA05S					57.800	57.000	56.200	55.400	57.500
AA06N					58.800	56.900	57.300	57.000	63.600
AA06S					57.500	57.700	55.500	56.100	57.700
AB01N	59.060	56.510	55.720	56.200	56.600	52.800	54.300	54.800	
AB01S	59.840	57.260	54.520	56.400	56.400	55.400	55.100	54.500	
AB02E					56.800	57.800	58.900	57.700	57.100
AB02W					57.500	56.200	57.400	57.200	57.000
AB03N					54.000	54.000	54.000	53.400	56.200
AB03S					57.400	56.400	56.100	54.600	54.200
AB04E					56.700	56.400	56.000	56.400	55.600
AB04W					56.900	56.800	55.900	56.900	56.600
AB05E					51.900	49.100	50.400	50.500	51.300
AB05W					54.800	52.700	52.900	52.900	53.300
AB06E					55.500	55.800	55.200	54.700	
AB06W					55.500	56.600		55.800	
AC01N	54.680	53.900	52.360	54.500	54.800	53.600	51.700	50.600	48.900
AC01S	53.260	54.910	53.350	54.800	55.100	53.500	54.400	53.100	56.400
AC02E	54.980	51.240	51.060	53.400	53.500	53.000	53.200	53.900	
AC02W	57.290	54.730	55.800	54.900	54.400	55.400	55.800	55.500	
AC03N					58.800	60.400	59.100	58.400	57.000
AC03S					57.100	57.900	57.000	56.700	53.400
AC04N					55.900	55.700	55.100	54.900	57.200
AC04S					56.200	57.300	56.900	55.300	55.100
AC05N					56.800	55.300	56.300	55.300	55.300
AC05S					56.200	56.600	55.700	56.000	56.100
AC06N					57.800	57.200	57.300	56.400	56.200
AC06S					57.100	58.400	56.600	56.100	56.700
AD01N	62.090	61.170	60.460	60.000	60.100	60.300	60.800	59.800	58.800
AD01S	61.710	60.670	59.550	57.800	58.400	59.800	57.800	57.900	57.600
AD02E	59.230	58.730	59.190	60.900	60.800	59.700	60.400	60.800	56.000
AD02W	58.880	60.250	59.460	59.100	59.000	58.000	58.200	59.100	59.500
AD03N	61.120	60.450	60.620	60.200	60.400	58.800	58.900	59.000	59.100
AD03S	61.740	61.780	60.080	59.600	59.500	58.500	59.600	58.900	58.200
AD04E	59.350	59.090	52.970	56.900	57.500	56.800	56.700	56.000	55.700
AD04W	68.480	66.290	58.250	60.600	61.000	58.100	59.800	57.500	57.500
AD05N					62.200	61.600	59.100	59.100	
AD05S					63.700	62.400	62.200	60.100	60.500
AD06N					58.600	59.900	57.700	55.800	57.000
AD06S					59.900	59.100	58.400	58.000	56.300
AD07E					53.500	51.100	52.800	52.700	53.300
AD07W					56.300	56.300	55.500	55.900	56.300
AD08N					59.800	61.500	60.400	59.200	60.200
AD08S					60.100	60.300	59.300	59.100	58.500
AD09N					64.000	61.100	60.500	60.100	60.600
AD09S					62.300	61.600	61.700	60.500	59.700
Summary	58.740	57.865	57.075		57.450	56.650	56.450	56.150	56.150
Change		-0.875	-0.790		0.375	-0.800	-0.200	-0.300	0.000
Significance		0.004	0.012		0.245	0.001	0.193	0.002	0.947

Table B.20
Adelaide 60 km/h arterial road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	62.610	60.920	60.960	62.600	62.900	59.500	60.800	59.900	60.300
AA01W	61.940	60.370	60.560	62.400	62.400	60.700	60.700	60.100	59.000
AA02E	65.340	65.430	63.640	63.900	64.300	62.900	62.700	63.400	62.200
AA02W	64.620	64.340	63.320	63.100	63.600	62.400	61.400	62.200	60.200
AA03N	59.000	59.620	59.230	57.200	58.200	57.400	56.400	56.700	57.800
AA03S	60.280	58.270	58.340	57.100	57.500	58.100	57.900	58.100	57.300
AA04E					61.700	60.100	59.800	60.300	63.200
AA04W					62.000	61.100	60.500	61.200	59.000
AA05N					62.800	61.600	62.000	60.600	62.400
AA05S					62.500	61.800	60.800	59.800	62.100
AA06N					63.500	61.900	62.200	61.500	68.700
AA06S					62.300	62.100	60.500	60.800	62.600
AB01N	63.750	61.260	60.480	60.900	61.400	57.600	59.000	59.500	
AB01S	64.710	61.660	59.430	60.900	61.100	60.100	59.500	59.100	
AB02E					61.200	62.700	63.600	62.500	61.600
AB02W					62.100	60.900	61.800	61.800	61.500
AB03N					58.800	58.800	58.800	58.200	61.200
AB03S					61.800	60.700	60.300	58.900	58.700
AB04E					61.300	61.200	60.600	61.000	60.100
AB04W					61.200	61.100	60.200	61.200	60.700
AB05E					60.200	56.700	58.400	58.200	59.500
AB05W					61.100	58.700	59.000	58.900	59.400
AB06E					59.800	60.400	59.800	59.000	
AB06W					59.700	60.800		60.200	
AC01N	61.190	60.960	59.120	61.000	61.200	59.600	58.500	57.500	56.100
AC01S	58.890	60.900	59.560	61.100	61.100	58.900	60.600	59.000	62.700
AC02E	61.000	56.740	56.360	59.300	59.200	58.500	58.700	59.200	
AC02W	63.630	60.760	61.420	60.700	60.100	61.600	61.400	61.200	
AC03N					63.500	65.200	63.900	62.900	61.300
AC03S					61.700	62.800	61.900	61.300	57.700
AC04N					61.600	61.900	60.700	60.500	62.700
AC04S					62.400	63.600	63.200	61.700	61.100
AC05N					61.500	59.900	61.100	59.800	59.900
AC05S					61.200	61.400	60.500	60.700	61.000
AC06N					62.600	61.800	61.800	60.800	60.700
AC06S					61.900	63.100	61.200	60.600	61.300
AD01N	66.550	65.450	64.360	63.900	64.000	64.700	64.800	63.700	62.600
AD01S	66.370	65.630	63.950	62.500	62.900	64.300	62.100	62.100	61.800
AD02E	64.890	64.160	63.900	65.700	65.900	64.500	65.300	65.600	60.500
AD02W	64.060	65.740	64.780	64.200	64.100	62.900	63.100	64.600	64.600
AD03N	65.460	64.760	64.510	64.100	64.400	62.600	62.800	62.800	62.900
AD03S	66.160	66.140	64.010	63.300	63.400	62.100	63.400	62.600	61.900
AD04E	64.570	63.870	59.940	61.700	62.200	61.800	61.500	60.800	60.800
AD04W	76.180	74.760	64.300	65.200	65.700	62.600	64.400	61.800	61.800
AD05N					66.100	65.500	62.800	62.600	
AD05S					67.900	66.500	66.300	63.800	64.300
AD06N					63.100	64.300	62.500	60.300	61.500
AD06S					64.300	63.300	62.600	62.600	60.500
AD07E					60.100	57.800	59.500	59.300	60.100
AD07W					60.900	60.800	60.200	60.200	60.900
AD08N					63.900	65.800	64.500	63.300	64.300
AD08S					64.200	64.400	63.400	63.200	63.000
AD09N					68.700	65.600	64.800	64.300	64.700
AD09S					67.200	66.000	66.000	64.800	63.700
Summary	63.535	62.800	61.810		62.150	61.300	61.000	60.600	60.600
Change		-0.735	-0.990		0.340	-0.850	-0.300	-0.400	0.000
Significance		0.007	0.000		0.202	0.002	0.105	0.001	0.849

Table B.21
Adelaide 60 km/h arterial road results for each site in each direction of travel - per cent above 60 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	30.438	19.431	20.430	29.869	32.353	12.824	18.974	14.457	16.077
AA01W	25.036	16.459	17.176	26.831	26.994	17.928	18.084	15.281	10.585
AA02E	60.991	57.414	45.038	47.218	49.619	37.236	35.810	41.723	30.150
AA02W	45.070	39.870	33.962	32.074	36.091	27.977	21.948	26.897	15.501
AA03N	11.391	13.516	12.046	6.930	8.856	6.917	4.820	5.339	7.578
AA03S	16.037	9.250	9.093	6.347	6.814	7.941	7.463	8.070	5.891
AA04E					25.660	15.441	13.571	16.528	36.894
AA04W					27.589	21.393	17.451	22.423	10.191
AA05N					33.108	24.216	27.657	17.736	30.062
AA05S					31.247	25.761	19.082	13.533	28.506
AA06N					39.352	25.955	28.286	24.268	73.570
AA06S					29.130	28.932	17.215	19.174	30.949
AB01N	41.029	22.014	17.556	19.181	22.714	6.118	10.370	12.606	
AB01S	48.884	26.559	12.325	20.121	20.897	15.440	12.406	10.310	
AB02E					22.141	31.935	39.737	30.563	24.814
AB02W					27.674	19.826	26.392	25.752	23.690
AB03N					9.610	9.734	9.602	7.836	21.590
AB03S					26.905	18.698	16.703	9.766	9.023
AB04E					22.601	21.769	18.317	20.519	15.180
AB04W					21.939	21.611	15.603	22.018	19.308
AB05E					15.514	5.239	9.565	8.859	12.922
AB05W					19.553	9.920	10.868	10.574	12.573
AB06E					13.440	16.950	13.806	9.996	
AB06W					13.384	19.743		15.586	
AC01N	20.244	18.867	11.622	19.467	20.175	13.213	9.822	7.178	4.199
AC01S	10.901	19.033	13.248	19.669	19.806	9.991	17.483	10.703	28.286
AC02E	19.551	6.014	4.742	12.253	11.836	9.480	10.484	11.846	
AC02W	33.373	17.887	21.861	17.160	15.152	21.455	21.412	20.347	
AC03N					38.823	52.959	42.071	35.039	22.593
AC03S					25.212	32.658	25.595	22.299	6.030
AC04N					22.746	23.683	18.060	16.915	30.130
AC04S					26.718	33.126	31.125	22.510	19.985
AC05N					23.896	14.330	20.498	13.880	14.019
AC05S					20.913	22.616	17.324	18.176	19.760
AC06N					31.308	26.031	26.296	19.567	18.699
AC06S					25.897	35.829	21.654	18.215	22.479
AD01N	71.500	61.154	55.006	49.909	50.276	52.052	57.706	47.445	36.225
AD01S	66.109	56.061	45.267	31.112	34.957	47.439	29.085	29.227	26.601
AD02E	43.819	39.557	42.819	56.250	55.916	46.611	53.511	56.756	16.990
AD02W	41.381	51.948	45.302	42.207	41.883	32.886	34.240	42.916	45.592
AD03N	60.787	54.294	56.637	50.997	53.458	36.288	37.848	38.768	39.615
AD03S	66.588	67.319	50.613	44.408	43.774	32.159	45.089	36.709	29.551
AD04E	44.308	40.756	14.806	24.903	28.792	25.307	23.246	18.989	19.327
AD04W	87.465	84.718	38.754	54.983	58.221	32.888	47.427	26.977	26.572
AD05N					73.245	66.185	38.398	37.966	
AD05S					85.230	76.095	73.686	50.031	54.803
AD06N					36.827	48.109	30.240	16.019	24.032
AD06S					48.480	40.277	33.907	32.270	17.745
AD07E					15.156	6.641	12.729	11.875	15.088
AD07W					19.847	19.371	15.570	15.645	19.558
AD08N					47.608	63.484	53.754	41.332	51.159
AD08S					50.648	52.608	42.640	40.441	36.276
AD09N					82.581	61.037	54.784	50.046	55.252
AD09S					71.510	66.082	67.237	55.070	46.369
Summary	37.082	31.235	25.389		27.292	21.820	19.825	17.729	17.869
Change		-5.847	-5.846		1.903	-5.471	-1.995	-2.096	0.140
Significance		0.004	0.002		0.202	0.003	0.108	0.001	0.904

Table B.22
Adelaide 60 km/h arterial road results for each site in each direction of travel - per cent above 65 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	8.044	4.190	3.899	7.116	7.837	2.530	3.585	2.721	3.062
AA01W	6.372	3.656	3.865	7.227	6.889	4.041	3.803	2.993	2.051
AA02E	16.989	17.091	9.163	9.951	11.456	6.461	6.343	8.187	4.912
AA02W	13.521	12.790	8.791	8.236	9.750	6.412	4.719	6.279	3.101
AA03N	2.384	3.212	2.555	1.211	1.669	1.273	0.840	0.922	1.236
AA03S	3.692	1.878	1.596	1.150	1.162	1.234	1.209	1.371	0.905
AA04E					4.838	2.933	2.515	2.749	8.113
AA04W					5.424	3.733	2.952	3.624	1.727
AA05N					7.167	4.812	5.172	2.807	5.850
AA05S					6.211	4.968	2.929	1.944	4.837
AA06N					8.760	5.225	5.331	4.017	38.736
AA06S					5.911	5.001	2.937	3.166	6.462
AB01N	10.009	4.115	3.176	3.718	4.317	1.235	1.597	1.916	
AB01S	13.547	4.383	1.894	2.907	3.078	2.328	1.448	1.108	
AB02E					3.953	6.906	9.242	6.408	4.530
AB02W					5.384	3.452	4.609	4.780	3.857
AB03N					1.456	1.405	1.483	1.206	3.440
AB03S					4.262	2.559	2.295	1.267	1.312
AB04E					4.085	3.747	3.069	3.592	2.292
AB04W					3.407	3.296	2.153	3.310	2.603
AB05E					3.777	1.015	1.788	1.636	2.750
AB05W					4.827	1.788	1.867	1.812	2.468
AB06E					1.756	2.435	1.713	1.224	
AB06W					1.817	2.752		2.012	
AC01N	5.226	4.783	2.642	4.127	4.682	2.547	2.151	1.627	0.724
AC01S	1.954	4.123	2.397	4.320	4.288	1.575	3.373	1.757	7.202
AC02E	4.910	1.580	0.953	3.412	3.277	2.442	2.640	2.647	
AC02W	10.966	6.242	5.808	3.992	3.572	5.750	5.142	4.413	
AC03N					9.360	15.671	10.597	7.723	4.543
AC03S					5.060	6.767	5.463	4.096	1.096
AC04N					5.523	5.985	3.768	3.495	7.161
AC04S					6.969	10.227	8.903	5.477	4.316
AC05N					4.462	2.230	3.432	2.054	2.197
AC05S					4.169	4.398	3.174	3.051	4.265
AC06N					7.066	5.057	5.044	3.426	3.465
AC06S					5.205	7.942	3.858	2.945	4.071
AD01N	23.854	17.281	12.063	9.569	10.208	13.251	13.614	8.938	5.654
AD01S	21.717	17.363	10.781	6.547	7.407	11.588	5.384	5.384	4.606
AD02E	14.305	12.324	11.096	18.478	18.672	12.703	16.001	17.626	3.821
AD02W	11.651	18.361	14.160	11.716	11.319	7.705	8.359	13.345	13.241
AD03N	17.670	13.607	12.244	10.353	11.743	5.740	6.001	5.879	6.280
AD03S	21.526	21.405	9.966	7.690	8.019	4.511	7.702	5.477	4.202
AD04E	13.441	10.882	3.321	4.556	5.755	4.644	4.221	3.160	3.143
AD04W	67.679	57.966	12.055	15.772	18.138	6.549	12.022	4.817	4.435
AD05N					21.859	17.955	6.366	5.750	
AD05S					35.407	24.242	22.536	9.446	11.402
AD06N					8.024	11.545	6.411	3.086	4.777
AD06S					11.352	7.755	6.094	6.210	2.827
AD07E					2.546	0.862	1.961	1.783	2.352
AD07W					3.199	3.197	2.389	2.048	3.166
AD08N					9.850	19.088	12.497	7.880	11.823
AD08S					10.983	11.921	7.829	7.471	7.097
AD09N					40.497	17.691	14.032	11.497	13.582
AD09S					26.891	19.978	20.030	13.634	9.385
Summary	9.546	6.908	4.975		5.639	3.951	3.534	3.045	3.084
Change		-2.638	-1.934		0.665	-1.688	-0.418	-0.488	0.039
Significance		0.005	0.000		0.571	0.004	0.019	0.000	0.863

Table B.23
Adelaide 60 km/h arterial road results for each site in each direction of travel - per cent above 70 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	2.188	0.987	0.756	1.638	1.769	0.650	0.874	0.637	0.843
AA01W	1.871	0.832	1.018	1.903	1.657	0.992	0.851	0.703	0.500
AA02E	3.455	3.732	1.736	1.587	2.008	1.192	1.245	1.434	0.908
AA02W	3.864	3.534	2.328	1.968	2.363	1.371	1.177	1.559	0.777
AA03N	0.661	0.767	0.738	0.260	0.404	0.296	0.233	0.244	0.258
AA03S	0.918	0.573	0.365	0.330	0.327	0.289	0.269	0.276	0.211
AA04E					1.269	0.866	0.770	0.765	1.467
AA04W					1.514	1.023	0.850	0.912	0.517
AA05N					1.624	1.268	1.122	0.631	1.214
AA05S					1.274	1.121	0.639	0.490	0.792
AA06N					1.731	1.176	1.121	0.783	9.812
AA06S					1.268	1.006	0.760	0.747	1.251
AB01N	2.928	0.952	0.635	0.836	0.962	0.509	0.350	0.413	
AB01S	2.902	0.790	0.480	0.469	0.546	0.615	0.280	0.219	
AB02E					0.885	1.466	2.023	1.394	0.899
AB02W					1.217	0.795	0.945	1.056	0.705
AB03N					0.387	0.364	0.420	0.342	0.523
AB03S					0.766	0.526	0.467	0.294	0.304
AB04E					1.016	0.830	0.821	0.875	0.519
AB04W					0.700	0.700	0.486	0.653	0.541
AB05E					0.986	0.311	0.458	0.433	0.592
AB05W					1.115	0.431	0.412	0.427	0.505
AB06E					0.388	0.470	0.373	0.277	
AB06W					0.459	0.602		0.444	
AC01N	1.279	1.346	0.766	0.730	1.010	0.642	0.599	0.438	0.198
AC01S	0.512	0.987	0.506	0.982	0.911	0.325	0.697	0.400	1.177
AC02E	1.622	0.408	0.248	1.144	1.078	0.696	0.766	0.764	
AC02W	3.167	2.041	1.407	0.741	0.918	1.383	1.051	0.969	
AC03N					2.355	3.277	2.365	1.841	1.066
AC03S					1.153	1.341	1.219	0.869	0.292
AC04N					1.268	1.393	0.910	0.765	1.345
AC04S					1.619	2.390	2.055	1.303	0.983
AC05N					0.929	0.523	0.687	0.452	0.528
AC05S					1.029	1.023	0.783	0.689	0.976
AC06N					1.815	1.216	1.268	0.763	0.841
AC06S					1.257	1.641	0.864	0.673	0.944
AD01N	5.143	3.737	2.208	1.588	1.889	2.469	2.371	1.488	1.013
AD01S	5.574	4.937	2.908	1.575	1.841	2.495	1.294	1.290	1.063
AD02E	4.456	4.063	3.332	4.469	4.877	3.214	4.220	4.921	1.264
AD02W	3.689	5.464	3.573	2.436	3.161	1.965	2.411	3.901	3.657
AD03N	3.530	2.822	1.813	1.823	1.954	1.038	1.078	0.909	1.042
AD03S	4.344	4.534	1.762	1.263	1.433	0.798	1.301	0.934	0.845
AD04E	3.870	3.551	0.907	0.895	1.258	0.941	1.006	0.726	0.637
AD04W	42.152	31.463	2.913	3.055	3.785	1.365	2.581	1.098	0.901
AD05N					3.926	3.011	1.281	1.078	
AD05S					7.809	4.919	4.487	1.904	2.246
AD06N					1.674	2.415	1.511	0.848	1.214
AD06S					2.134	1.304	1.211	1.272	0.640
AD07E					0.487	0.243	0.389	0.354	0.462
AD07W					0.698	0.705	0.558	0.452	0.620
AD08N					1.939	3.588	2.375	1.371	2.299
AD08S					1.898	2.304	1.347	1.325	1.373
AD09N					10.426	3.903	3.149	2.324	2.651
AD09S					7.128	4.578	4.333	2.671	1.857
Summary	2.489	1.975	1.292		1.268	0.932	0.835	0.690	0.704
Change		-0.515	-0.682		-0.024	-0.336	-0.097	-0.145	0.014
Significance		0.008	0.000		0.622	0.002	0.013	0.000	0.814

Table B.24
Adelaide 60 km/h arterial road results for each site in each direction of travel - per cent above 75 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AA01E	0.686	0.291	0.219	0.585	0.522	0.220	0.294	0.209	0.300
AA01W	0.576	0.201	0.415	0.653	0.491	0.279	0.314	0.233	0.193
AA02E	0.978	1.168	0.641	0.606	0.632	0.397	0.408	0.407	0.275
AA02W	1.461	1.244	0.747	0.678	0.735	0.406	0.411	0.488	0.266
AA03N	0.170	0.223	0.308	0.087	0.158	0.123	0.100	0.102	0.104
AA03S	0.361	0.178	0.135	0.170	0.132	0.127	0.100	0.096	0.061
AA04E					0.506	0.398	0.315	0.341	0.461
AA04W					0.612	0.420	0.353	0.376	0.216
AA05N					0.548	0.468	0.361	0.209	0.359
AA05S					0.405	0.396	0.224	0.191	0.233
AA06N					0.609	0.384	0.378	0.265	1.839
AA06S					0.501	0.370	0.279	0.295	0.379
AB01N	1.200	0.373	0.230	0.432	0.355	0.311	0.143	0.158	
AB01S	0.902	0.263	0.202	0.147	0.161	0.325	0.113	0.078	
AB02E					0.296	0.466	0.566	0.420	0.296
AB02W					0.425	0.306	0.296	0.345	0.215
AB03N					0.159	0.133	0.165	0.143	0.133
AB03S					0.263	0.191	0.180	0.112	0.117
AB04E					0.373	0.282	0.305	0.272	0.161
AB04W					0.225	0.243	0.156	0.217	0.177
AB05E					0.357	0.121	0.152	0.157	0.179
AB05W					0.379	0.142	0.131	0.130	0.146
AB06E					0.145	0.186	0.169	0.103	
AB06W					0.186	0.221		0.181	
AC01N	0.520	0.501	0.200	0.185	0.317	0.230	0.196	0.157	0.067
AC01S	0.146	0.420	0.209	0.248	0.252	0.110	0.172	0.113	0.287
AC02E	0.578	0.178	0.062	0.437	0.389	0.270	0.250	0.220	
AC02W	0.950	1.321	0.541	0.290	0.262	0.428	0.284	0.306	
AC03N					0.777	0.945	0.708	0.692	0.331
AC03S					0.353	0.425	0.393	0.236	0.084
AC04N					0.333	0.431	0.316	0.255	0.284
AC04S					0.449	0.660	0.648	0.435	0.308
AC05N					0.301	0.164	0.200	0.132	0.193
AC05S					0.342	0.334	0.278	0.210	0.306
AC06N					0.684	0.484	0.496	0.258	0.294
AC06S					0.418	0.510	0.311	0.261	0.310
AD01N	1.852	1.187	0.745	0.512	0.588	0.706	0.616	0.389	0.308
AD01S	1.917	1.738	1.041	0.556	0.646	0.834	0.427	0.423	0.347
AD02E	1.876	1.578	0.866	1.449	1.645	1.049	1.482	1.790	0.472
AD02W	1.351	2.687	1.235	0.860	1.046	0.705	0.779	1.420	1.271
AD03N	1.099	0.803	0.488	0.416	0.504	0.323	0.276	0.194	0.275
AD03S	1.359	1.210	0.453	0.316	0.391	0.254	0.392	0.264	0.265
AD04E	1.393	1.301	0.338	0.307	0.435	0.272	0.324	0.254	0.168
AD04W	19.294	14.400	0.696	0.741	0.969	0.454	0.731	0.339	0.265
AD05N					0.986	0.848	0.419	0.367	
AD05S					2.073	1.274	1.227	0.521	0.662
AD06N					0.561	0.854	0.538	0.334	0.447
AD06S					0.608	0.420	0.377	0.343	0.183
AD07E					0.157	0.097	0.135	0.133	0.123
AD07W					0.233	0.234	0.178	0.138	0.187
AD08N					0.581	0.962	0.684	0.376	0.615
AD08S					0.535	0.684	0.382	0.378	0.350
AD09N					2.716	1.102	0.909	0.627	0.708
AD09S					1.917	1.239	1.097	0.718	0.481
Summary	1.041	0.841	0.463		0.430	0.341	0.308	0.269	0.260
Change		-0.200	-0.378		-0.033	-0.089	-0.032	-0.039	-0.009
Significance		0.036	0.000		0.674	0.004	0.004	0.000	0.386

Table B.25

Adelaide 80 km/h arterial road results for each site in each direction of travel - vehicle count

Site ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	72280	78792	75561	75039	75952
AM01S	63474	69952	67948	62584	65578
AM02N	90919	97797	96153	94685	
AM02S	78057	79370	79949	81339	
AM03N	42130	42735	43686	42558	43423
AM03S	42972	41623	43526	42260	44199
AM04E	40324	40311	40484	40823	40449
AM04W	37002	35734	36206	35313	33321
AM05N	49264	49740	49593	50728	54490
AM05S	42701	43477	43113	44273	46091
AM06N	44409	43414	49278	45116	46592
AM06S	54221	54582	59011	58183	59062

Table B.26

Adelaide 80 km/h arterial road results for each site in each direction of travel - mean speed (km/h)

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	80.624	80.777	79.480	78.502	81.173
AM01S	78.055	78.412	78.313	74.824	77.050
AM02N	68.498	65.306	68.106	67.328	
AM02S	74.148	69.081	70.923	72.843	
AM03N	71.079	75.099	73.860	72.420	70.931
AM03S	72.480	75.576	74.466	73.251	69.738
AM04E	69.261	71.423	70.103	67.444	65.982
AM04W	74.324	74.225	72.626	65.695	67.391
AM05N	74.626	74.044	75.516	74.987	72.845
AM05S	73.870	74.285	74.306	72.792	72.990
AM06N	79.983	79.035	78.541	78.090	80.984
AM06S	80.164	79.841	79.637	79.113	77.710
Summary	74.236	74.263	73.915	72.818	72.215
Change		0.027	-0.349	-1.097	-0.603
Significance		1.000	0.677	0.016	0.846

Table B.27

Adelaide 80 km/h arterial road results for each site in each direction of travel - median speed (km/h)

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	81.000	80.900	79.400	78.600	81.100
AM01S	78.200	79.200	78.800	76.200	77.900
AM02N	69.900	66.400	68.700	67.800	
AM02S	74.900	69.600	72.900	74.600	
AM03N	70.700	75.200	74.000	72.600	70.700
AM03S	72.900	75.800	74.700	73.500	70.300
AM04E	69.500	71.700	70.200	67.500	66.100
AM04W	74.600	74.700	72.900	65.800	67.500
AM05N	74.700	74.100	75.700	75.100	73.000
AM05S	74.000	74.500	74.600	73.100	73.200
AM06N	79.700	78.800	78.500	78.100	80.700
AM06S	80.400	80.700	79.600	79.100	77.600
Summary	74.650	74.850	74.100	73.050	72.400
Change		0.200	-0.750	-1.050	-0.650
Significance		0.733	0.677	0.016	1.000

Table B.28

Adelaide 80 km/h arterial road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	86.000	86.000	84.100	83.200	85.900
AM01S	83.400	84.800	84.100	81.600	82.600
AM02N	77.600	75.200	76.600	75.400	
AM02S	82.000	77.500	79.800	81.400	
AM03N	78.400	81.400	80.300	78.500	78.000
AM03S	79.500	81.200	80.100	78.900	76.900
AM04E	76.800	79.500	77.400	73.100	71.500
AM04W	82.000	81.700	79.700	71.300	73.100
AM05N	81.000	80.600	82.200	81.500	79.100
AM05S	79.800	80.300	80.300	79.100	79.000
AM06N	84.900	83.900	83.800	83.100	86.000
AM06S	85.300	85.500	84.400	83.700	82.200
Summary	81.500	81.600	80.700	79.500	79.200
Change		0.100	-0.900	-1.200	-0.300
Significance		0.765	0.465	0.012	1.000

Table B.29

Adelaide 80 km/h arterial road results for each site in each direction of travel - per cent above 80 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	57.804	56.411	44.135	36.510	59.617
AM01S	34.836	43.546	40.297	22.854	30.631
AM02N	8.020	5.419	6.149	3.732	
AM02S	23.543	7.946	14.014	21.086	
AM03N	10.496	20.952	16.097	9.453	9.076
AM03S	13.127	20.690	15.269	10.381	5.824
AM04E	6.190	13.143	7.386	2.161	1.342
AM04W	22.461	21.890	13.708	1.589	2.245
AM05N	19.024	16.896	24.503	21.341	11.611
AM05S	14.180	16.165	16.011	11.576	11.063
AM06N	47.315	39.404	37.321	33.507	55.864
AM06S	52.522	55.207	46.068	41.275	28.133
Summary	20.742	21.449	17.397	12.557	12.112
Change		0.707	-4.052	-4.840	-0.445
Significance		0.677	0.129	0.016	1.000

Table B.30

Adelaide 80 km/h arterial road results for each site in each direction of travel - per cent above 85 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	19.678	19.689	11.274	8.386	19.233
AM01S	9.623	14.042	11.602	5.508	6.870
AM02N	1.692	1.541	1.307	0.691	
AM02S	6.534	2.071	3.044	4.859	
AM03N	3.057	5.506	4.166	2.256	2.363
AM03S	2.904	4.824	3.359	2.168	1.075
AM04E	1.371	3.376	1.648	0.708	0.462
AM04W	6.640	5.994	3.408	0.561	0.708
AM05N	5.247	4.644	7.277	5.874	2.573
AM05S	3.553	4.182	3.864	2.719	2.619
AM06N	14.587	11.084	10.656	8.684	19.267
AM06S	16.193	17.341	12.281	9.841	6.447
Summary	5.890	6.210	4.808	3.151	3.154
Change		0.320	-1.403	-1.657	0.003
Significance		0.622	0.052	0.007	0.846

Table B.31

Adelaide 80 km/h arterial road results for each site in each direction of travel - per cent above 90 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	4.503	4.591	2.402	1.768	3.924
AM01S	2.541	3.800	2.854	1.465	1.528
AM02N	0.480	0.486	0.398	0.203	
AM02S	1.696	0.670	0.797	1.012	
AM03N	1.097	1.622	1.284	0.764	0.769
AM03S	0.617	1.336	0.928	0.634	0.267
AM04E	0.498	0.915	0.509	0.299	0.195
AM04W	1.832	1.553	0.934	0.286	0.309
AM05N	1.736	1.490	2.143	1.674	0.806
AM05S	1.129	1.279	1.164	0.802	0.777
AM06N	3.727	2.937	2.843	2.203	4.926
AM06S	3.759	4.186	2.972	2.136	1.573
Summary	1.716	1.835	1.463	0.967	0.958
Change		0.119	-0.372	-0.495	-0.010
Significance		0.519	0.042	0.002	0.922

Table B.32

Adelaide 80 km/h arterial road results for each site in each direction of travel - per cent above 95 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AM01N	1.226	1.250	0.736	0.510	0.972
AM01S	0.917	1.298	0.902	0.545	0.489
AM02N	0.200	0.214	0.161	0.090	
AM02S	0.623	0.325	0.286	0.320	
AM03N	0.510	0.590	0.515	0.317	0.336
AM03S	0.191	0.514	0.329	0.279	0.100
AM04E	0.213	0.370	0.217	0.142	0.077
AM04W	0.703	0.568	0.370	0.161	0.150
AM05N	0.684	0.577	0.845	0.619	0.345
AM05S	0.452	0.492	0.448	0.300	0.308
AM06N	1.112	0.958	0.907	0.705	1.457
AM06S	1.025	1.152	0.829	0.557	0.494
Summary	0.653	0.686	0.572	0.372	0.339
Change		0.032	-0.113	-0.200	-0.033
Significance		0.519	0.016	0.001	0.695

Table B.33
Rural 50 km/h local road results for each site in each direction of travel - vehicle count

Site ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	1303	1624	1487	1435	10360	9941	9758	9101	
LR01S	1266	1781	1637	1667	12106	9697	9777	9206	
LR02N	144	127	140	146	1030	918	948	847	1005
LR02S	135	130	135	139	972	979	1006	895	1011
LR03N	56	51	40	35	289	293	259	294	305
LR03S	61	48	34	41	301	279	225	309	302
LR04N	925	972	988	1059	6366	6113	6249	6186	5925
LR04S	774	929	913	1011	6236	5949	5896	5913	5807
LR05E	99	87	99	84	594	821	962	1161	1209
LR05W	86	89	98	106	650	553	546	552	571
LR06N	757	722	1095	777	5055	5252	4807	4352	
LR06S	631	581	564	677	4370	4164	3301	3860	
LR07E	136	157	123	102	777	722	817	988	907
LR07W	122	156	126	120	794	685	787	905	854
LR08N	507	416	508	514	3333	3228	3397	3259	3248
LR08S	525	509	519	520	3333	3266	3435	3297	3254
LR09E	119	114	103	112	854	913	935	1034	1096
LR09W	97	102	85	94	752	712	792	780	946
LR10N	178	216	250	287	1358	1717	1657	1779	1765
LR10S	233	210	281	277	1397	1621	1592	1784	1425
LR11E	244	262	241	265	1760	1429	1419	1537	1535
LR11W	244	263	232	269	1835	1533	1611	1628	1693
LR12S	43	46	32	27	189	241	206	124	
LR13E					4440	4693	4599		5258
LR13W					4286	4607	4278		5065

Note: these roads were 60 km/h in 2002

Table B.34
Rural 50 km/h local road results for each site in each direction of travel - mean speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	50.755	50.914	49.681	53.206	52.445	47.516	46.428	48.596	
LR01S	50.145	49.151	45.836	47.842	47.628	46.646	45.691	46.197	
LR02N	42.984	42.810	41.951	42.734	43.273	41.318	40.892	40.873	42.083
LR02S	46.143	44.797	43.132	44.332	44.836	42.584	41.692	43.274	42.591
LR03N	26.895	31.427	23.044	28.189	29.287	28.510	31.817	28.686	26.654
LR03S	31.036	35.815	25.457	30.459	32.313	30.734	29.056	30.016	30.941
LR04N	55.452	52.127	50.509	51.451	51.426	49.929	50.450	50.027	52.718
LR04S	57.568	53.252	51.026	52.017	51.298	50.948	51.816	51.336	49.719
LR05E	32.074	32.668	30.188	32.568	32.402	28.807	28.768	28.138	28.030
LR05W	30.028	30.506	33.406	30.356	31.587	32.046	32.946	32.211	33.215
LR06N	46.905	46.430	46.058	45.672	45.570	44.718	46.191	44.936	
LR06S	50.873	49.242	48.803	47.529	47.512	47.211	45.384	46.556	
LR07E	35.057	40.318	38.471	40.606	39.686	36.725	38.400	37.160	39.412
LR07W	37.267	41.031	39.522	40.528	40.337	38.936	38.698	36.774	39.621
LR08N	63.642	57.544	57.073	56.045	55.867	55.731	54.922	55.204	54.054
LR08S	62.264	57.640	55.220	55.819	55.943	55.490	54.645	55.310	53.884
LR09E	45.629	46.009	44.428	42.900	44.011	43.899	41.422	44.175	44.933
LR09W	45.984	46.761	46.340	44.163	43.504	44.132	40.828	42.879	43.716
LR10N	32.025	33.240	32.549	32.159	33.412	33.234	32.454	31.159	28.451
LR10S	32.760	31.450	31.179	30.002	32.438	34.280	31.849	32.308	32.262
LR11E	42.156	41.493	40.511	40.015	40.109	37.953	39.264	40.425	42.377
LR11W	40.659	40.987	39.551	38.761	38.643	39.157	37.258	38.877	39.229
LR12S	30.626	29.862	33.183	30.430	29.256	31.266	28.852	26.752	
LR13E					53.174	48.253	53.095		46.412
LR13W					53.056	47.998	50.461		46.051
Summary	44.515	44.341	42.905		43.504	42.652	41.872	42.154	42.709
Change		-0.174	-1.437		0.599	-0.852	-0.780	0.282	0.555
Significance		0.643	0.002		0.520	0.004	0.458	0.777	0.523

Note: these roads were 60 km/h in 2002

Table B.35
Rural 50 km/h local road results for each site in each direction of travel - median speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	56.690	53.050	51.800	53.700	53.200	51.600	50.700	51.900	
LR01S	54.540	51.490	49.070	50.300	50.500	48.700	48.300	48.600	
LR02N	44.440	43.620	42.190	43.600	44.500	42.500	42.200	40.700	43.100
LR02S	48.000	45.990	44.360	47.300	46.000	43.500	42.900	44.100	43.400
LR03N	26.720	30.100	22.790	28.200	29.500	28.800	32.700	29.700	28.100
LR03S	31.070	36.630	25.450	30.900	33.200	31.700	28.900	30.800	31.200
LR04N	56.440	52.890	51.850	52.100	52.400	50.900	51.400	50.800	53.500
LR04S	58.370	53.470	51.720	52.300	51.800	51.500	52.400	51.900	50.000
LR05E	31.410	33.080	31.010	32.300	32.300	27.700	28.000	27.300	26.700
LR05W	28.930	29.940	33.990	30.700	31.800	32.100	32.800	32.500	33.700
LR06N	47.870	46.970	46.570	46.200	46.400	45.400	46.800	46.000	
LR06S	52.240	49.810	50.000	48.400	48.600	48.200	46.400	47.900	
LR07E	36.220	40.640	39.800	41.100	41.100	37.900	39.000	38.200	40.100
LR07W	37.910	42.660	41.300	41.600	42.100	40.200	39.400	37.200	40.300
LR08N	62.930	56.880	56.550	55.400	55.100	55.100	54.500	54.800	53.400
LR08S	62.280	56.540	54.170	55.500	55.000	54.500	54.000	54.800	53.200
LR09E	44.790	46.750	43.550	42.800	44.700	45.400	42.500	45.600	45.800
LR09W	47.940	47.680	46.990	45.600	45.100	45.400	42.200	44.100	45.000
LR10N	29.220	31.920	31.410	29.900	30.700	31.200	30.200	28.800	26.700
LR10S	31.810	30.770	28.050	28.700	30.100	33.900	30.300	30.700	32.000
LR11E	43.010	42.350	41.330	40.700	40.900	38.700	40.500	41.400	43.100
LR11W	40.620	41.140	40.130	39.400	39.300	39.600	37.900	39.500	39.900
LR12S	31.800	31.030	34.080	29.200	28.500	30.300	28.400	26.900	
LR13E					53.100	49.900	53.200		47.800
LR13W					52.600	48.800	50.500		47.500
Summary	46.420	45.650	44.400		44.700	43.700	43.200	43.500	43.900
Change		-0.770	-1.250		0.300	-1.000	-0.500	0.300	0.400
Significance		0.482	0.002		0.601	0.008	0.426	0.754	0.442

Note: these roads were 60 km/h in 2002

Table B.36
Rural 50 km/h local road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	64.280	60.450	58.670	60.200	59.900	58.600	57.600	59.100	
LR01S	63.150	59.230	56.330	56.800	57.400	54.900	55.100	55.600	
LR02N	53.730	54.340	51.930	53.300	52.700	51.600	51.300	51.600	52.500
LR02S	55.810	54.910	55.430	55.700	55.100	53.200	51.300	52.700	52.000
LR03N	38.610	42.780	29.490	35.300	37.100	37.400	41.400	38.300	35.100
LR03S	40.760	46.530	33.640	38.400	39.700	38.900	38.300	38.900	39.100
LR04N	64.990	60.820	58.980	59.700	59.900	58.100	58.300	58.200	60.600
LR04S	66.290	61.410	59.340	58.800	58.100	58.300	59.100	58.800	56.500
LR05E	40.670	39.210	39.020	39.600	40.400	37.800	37.700	37.000	37.800
LR05W	40.320	39.240	41.290	37.300	38.300	38.500	38.900	38.800	39.200
LR06N	56.170	55.420	54.880	53.700	54.100	53.300	54.600	54.300	
LR06S	62.090	58.530	56.960	56.400	56.300	55.800	52.800	56.100	
LR07E	45.160	51.070	47.230	51.100	50.100	48.000	49.000	46.600	49.100
LR07W	49.280	51.270	49.310	49.800	49.300	49.900	49.400	47.800	48.700
LR08N	71.950	67.450	65.300	63.500	64.100	63.400	63.100	62.800	61.600
LR08S	70.850	66.950	64.250	64.600	64.900	64.300	63.700	63.800	62.300
LR09E	57.450	56.250	53.490	53.200	54.900	53.900	53.000	54.700	54.500
LR09W	56.320	57.140	54.650	55.400	56.400	55.100	53.100	54.400	54.300
LR10N	46.720	45.420	45.370	47.500	49.100	47.300	47.600	46.200	42.100
LR10S	47.380	43.460	46.870	43.500	47.800	47.100	47.100	46.700	45.500
LR11E	50.770	50.340	48.780	48.200	48.600	46.100	47.200	48.700	51.200
LR11W	50.560	50.700	49.470	47.800	47.000	48.500	46.000	48.000	47.800
LR12S	39.350	36.360	39.310	40.300	37.600	39.300	37.200	35.400	
LR13E					61.700	58.300	61.100		55.200
LR13W					59.800	56.300	57.500		54.300
Summary	56.670	55.470	53.630		54.100	53.100	53.000	52.900	52.750
Change		-1.200	-1.840		0.470	-1.000	-0.100	-0.100	-0.150
Significance		0.098	0.008		0.393	0.001	0.684	0.870	0.734

Note: these roads were 60 km/h in 2002

Table B.37
Rural 50 km/h local road results for each site in each direction of travel - per cent above 50 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	68.918	67.488	61.735	72.822	71.052	58.203	53.525	61.037	
LR01S	62.322	57.159	44.472	51.710	52.941	40.868	39.705	41.549	
LR02N	21.528	29.134	20.000	24.658	24.854	18.954	18.882	19.835	21.990
LR02S	43.704	31.538	26.667	34.532	32.716	24.413	19.185	22.458	23.046
LR03N	0.000	3.922	0.000	0.000	0.692	0.341	1.931	0.340	0.000
LR03S	3.279	8.333	0.000	0.000	0.000	0.000	0.000	1.294	0.993
LR04N	71.135	65.021	58.502	61.945	61.876	55.194	57.641	54.656	67.342
LR04S	82.171	69.214	59.255	65.776	61.065	59.388	63.908	60.308	49.268
LR05E	0.000	1.149	0.000	0.000	1.347	0.731	0.416	0.172	0.248
LR05W	2.326	1.124	3.061	0.000	0.615	1.085	1.465	0.543	0.701
LR06N	40.159	36.011	34.886	32.304	31.810	26.999	34.512	31.365	
LR06S	60.539	49.570	49.823	42.541	43.021	40.514	27.779	39.560	
LR07E	6.618	17.197	5.691	18.627	15.058	9.834	12.240	6.174	12.789
LR07W	13.934	19.231	13.492	14.167	13.098	14.453	13.342	8.950	12.295
LR08N	95.069	79.808	80.709	77.821	76.868	78.872	74.507	76.404	71.583
LR08S	92.000	82.318	72.447	74.808	74.677	74.648	69.956	73.279	68.193
LR09E	35.294	36.842	26.214	26.786	31.382	28.039	22.781	30.754	31.113
LR09W	40.206	40.196	30.588	34.043	34.840	32.444	24.242	26.667	30.761
LR10N	7.865	6.481	8.800	10.801	13.770	9.668	10.742	9.275	3.739
LR10S	9.013	5.714	8.897	5.776	12.097	9.377	10.050	9.081	4.842
LR11E	18.443	15.649	10.788	9.057	10.341	6.158	7.259	10.930	19.218
LR11W	16.803	17.110	13.793	7.435	7.302	10.763	5.338	9.951	9.392
LR12S	0.000	0.000	0.000	0.000	1.058	2.490	0.485	0.000	
LR13E					65.270	48.903	66.167		37.353
LR13W					66.822	42.848	52.992		35.321
Summary	37.065	35.681	30.810		31.382	28.661	28.589	29.542	29.658
Change		-1.384	-4.872		0.572	-2.720	-0.072	0.953	0.116
Significance		0.156	0.000		0.196	0.000	0.584	0.329	0.832

Note: these roads were 60 km/h in 2002

Table B.38
Rural 50 km/h local road results for each site in each direction of travel - per cent above 55 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	55.871	39.840	30.935	41.045	38.311	30.118	25.661	32.557	
LR01S	45.972	33.184	19.792	21.956	24.442	14.499	15.199	16.891	
LR02N	10.417	13.386	10.714	10.959	10.097	7.843	6.224	8.146	9.353
LR02S	17.778	13.846	16.296	17.266	15.329	11.032	6.262	9.721	8.408
LR03N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.340	0.000
LR03S	3.279	0.000	0.000	0.000	0.000	0.000	0.000	0.324	0.331
LR04N	55.459	38.169	32.085	34.750	35.768	26.926	28.517	27.401	41.316
LR04S	66.279	42.304	32.859	30.564	28.833	29.114	33.514	31.524	21.112
LR05E	0.000	0.000	0.000	0.000	0.337	0.122	0.104	0.000	0.000
LR05W	0.000	1.124	1.020	0.000	0.308	0.000	0.366	0.000	0.350
LR06N	20.740	16.343	14.521	10.553	12.166	10.701	13.501	13.006	
LR06S	38.510	26.850	21.986	20.236	19.405	17.363	9.633	18.368	
LR07E	2.206	7.006	2.439	6.863	4.247	1.662	3.182	1.619	4.741
LR07W	7.377	5.128	3.175	2.500	3.778	4.380	4.828	1.878	4.801
LR08N	84.813	56.490	56.890	52.724	50.495	50.403	47.513	48.082	40.333
LR08S	82.667	55.599	46.243	52.500	49.685	47.551	44.687	48.590	41.088
LR09E	18.487	22.807	11.650	9.821	14.754	11.610	10.695	14.313	14.051
LR09W	17.526	21.569	12.941	15.957	17.287	15.028	9.596	12.692	12.156
LR10N	3.371	3.704	2.400	4.181	6.627	3.902	4.888	3.429	0.907
LR10S	3.863	1.905	3.559	1.805	5.512	3.886	4.523	3.419	1.544
LR11E	7.377	6.107	1.245	0.377	1.932	1.190	0.564	2.537	5.928
LR11W	6.148	4.563	3.879	1.859	1.744	2.479	0.993	1.904	2.717
LR12S	0.000	0.000	0.000	0.000	0.000	1.660	0.000	0.000	
LR13E					40.518	26.380	40.030		15.462
LR13W					34.554	19.210	24.451		12.774
Summary	16.078	14.120	12.166		12.166	10.124	10.124	10.464	10.333
Change		-1.958	-1.954		0.000	-2.042	0.000	0.340	-0.131
Significance		0.021	0.001		0.709	0.000	0.580	0.129	0.818

Note: these roads were 60 km/h in 2002

Table B.39
Rural 50 km/h local road results for each site in each direction of travel - per cent above 60 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	33.001	16.626	11.163	15.540	14.614	10.250	8.403	12.240	
LR01S	22.591	13.195	6.842	7.319	8.004	3.929	3.989	4.812	
LR02N	4.861	4.724	3.571	4.110	4.078	2.397	1.371	2.007	3.284
LR02S	7.407	4.615	4.444	7.194	6.173	4.188	2.485	3.464	3.363
LR03N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LR03S	3.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LR04N	34.919	17.593	12.146	13.787	14.452	9.373	9.906	9.926	17.333
LR04S	41.214	19.268	13.253	11.869	10.071	10.422	12.025	11.280	6.647
LR05E	0.000	0.000	0.000	0.000	0.337	0.000	0.104	0.000	0.000
LR05W	0.000	0.000	0.000	0.000	0.000	0.000	0.183	0.000	0.175
LR06N	6.737	6.233	4.658	4.505	4.471	3.713	4.868	4.688	
LR06S	20.127	10.843	9.043	7.238	7.277	5.908	3.332	6.606	
LR07E	0.000	1.274	1.626	2.941	1.287	0.139	0.857	0.506	1.213
LR07W	0.820	1.282	1.587	0.833	0.882	0.876	1.144	0.442	1.405
LR08N	66.667	35.577	33.071	28.794	27.483	26.084	24.845	24.026	19.766
LR08S	60.571	38.703	27.168	28.269	28.323	26.730	25.473	27.055	20.498
LR09E	9.244	7.018	8.738	5.357	7.494	5.148	4.599	6.093	6.113
LR09W	10.309	6.863	3.529	4.255	8.245	6.320	2.652	3.846	4.228
LR10N	1.685	0.926	0.800	1.394	2.725	1.573	2.233	1.349	0.397
LR10S	1.288	0.476	1.779	0.361	2.505	1.542	2.073	1.906	0.421
LR11E	2.049	2.672	0.415	0.000	0.455	0.280	0.070	0.651	1.368
LR11W	0.410	1.901	0.431	0.372	0.272	0.261	0.248	0.246	0.709
LR12S	0.000	0.000	0.000	0.000	0.000	0.830	0.000	0.000	
LR13E					19.595	10.867	18.287		5.401
LR13W					14.629	6.751	8.345		4.146
Summary	6.435	5.624	4.471		4.471	3.319	3.319	3.319	3.329
Change		-0.811	-1.153		0.000	-1.152	0.000	0.000	0.010
Significance		0.002	0.004		0.966	0.000	0.665	0.245	1.000

Note: these roads were 60 km/h in 2002

Table B.40
Rural 50 km/h local road results for each site in each direction of travel - per cent above 65 km/h

Location ID	2002 1 day	2003 1 day	2005 1 day	2007 1 day	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
LR01N	12.893	5.357	3.228	5.296	4.556	2.595	2.398	3.175	
LR01S	8.294	5.166	2.382	1.560	2.040	0.773	1.053	1.162	
LR02N	2.778	3.150	1.429	0.685	0.971	0.763	0.422	0.826	0.398
LR02S	4.444	0.769	0.741	0.719	1.646	1.124	0.895	1.341	0.593
LR03N	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LR03S	1.639	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LR04N	14.919	6.584	4.049	3.022	4.398	2.339	2.736	2.683	5.705
LR04S	18.605	7.966	4.819	3.264	2.967	3.043	3.121	3.247	1.550
LR05E	0.000	0.000	0.000	0.000	0.168	0.000	0.000	0.000	0.000
LR05W	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.175
LR06N	1.849	1.662	1.553	1.030	1.444	1.333	1.456	1.494	
LR06S	7.448	3.614	1.950	2.659	2.540	1.801	1.242	1.995	
LR07E	0.000	0.637	0.000	0.980	0.257	0.000	0.245	0.506	0.551
LR07W	0.000	0.641	0.794	0.833	0.630	0.000	0.254	0.110	0.351
LR08N	40.631	20.913	15.748	11.089	12.871	11.617	10.127	9.972	7.820
LR08S	39.429	22.004	13.102	14.038	14.701	13.288	12.023	12.193	9.527
LR09E	5.042	1.754	4.854	1.786	3.396	1.862	2.032	2.418	2.464
LR09W	4.124	1.961	1.176	2.128	3.723	2.669	0.505	1.667	1.268
LR10N	0.000	0.000	0.400	0.348	1.105	0.582	0.845	0.618	0.170
LR10S	0.429	0.000	1.068	0.000	1.217	0.432	0.691	1.121	0.211
LR11E	0.820	0.763	0.415	0.000	0.057	0.070	0.000	0.065	0.130
LR11W	0.000	0.760	0.431	0.000	0.109	0.000	0.124	0.061	0.236
LR12S	0.000	0.000	0.000	0.000	0.000	0.830	0.000	0.000	
LR13E					7.613	3.729	6.784		1.769
LR13W					5.646	2.344	2.805		1.402
Summary	2.224	1.795	1.465		1.444	0.922	0.922	0.987	0.987
Change		-0.429	-0.329		-0.021	-0.522	0.000	0.065	0.000
Significance		0.003	0.021		0.246	0.000	0.973	0.014	0.188

Note: these roads were 60 km/h in 2002

Table B.41
Rural 60 km/h arterial road results for each site in each direction of travel - vehicle count

Site ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	15201	15976	15487	16162	16997	17833
CR01S	15084	15763	15295	15929	16789	17806
CR02E	4867	5200	4856	5128	5222	4963
CR02W	4766	5313	4686	4995	5239	4738
CR03N	8106	7871	7776	8050	8120	7857
CR03S	6121	6443	6142	6382	6535	6698
CR04N	8017	8017	7194	7611	7529	8141
CR04S	7690	7671	6872	7365	7246	7728
CR05E	18536	18852	16838	17056	12379	19080
CR05W	18566	18609	16982	16626	16713	18972

Table B.42
Rural 60 km/h arterial road results for each site in each direction of travel - mean speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	59.219	58.994	58.673	58.140	57.357	57.737
CR01S	60.501	58.851	60.020	59.843	58.430	58.862
CR02E	60.277	61.062	59.943	57.489	60.004	57.902
CR02W	61.526	62.121	60.531	60.136	59.406	59.371
CR03N	52.404	52.096	51.620	49.809	50.653	52.081
CR03S	53.048	53.670	52.399	50.690	51.523	52.509
CR04N	52.865	56.030	55.358	56.666	57.164	56.368
CR04S	54.406	57.201	57.335	57.614	57.434	56.495
CR05E	58.273	58.472	59.153	58.374	58.352	58.528
CR05W	58.330	58.633	59.282	58.956	58.638	58.686
Summary	58.103	58.552	58.154	57.689	57.589	57.700
Change		0.449	-0.398	-0.465	-0.101	0.111
Significance		0.193	0.432	0.064	0.922	0.770

Table B.43
Rural 60 km/h arterial road results for each site in each direction of travel - median speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	59.900	59.400	59.000	58.500	57.900	58.400
CR01S	60.500	58.900	59.900	59.900	58.400	59.000
CR02E	61.000	61.700	60.100	58.300	60.600	58.600
CR02W	61.300	62.100	60.400	60.300	59.600	59.500
CR03N	52.900	52.700	52.200	50.400	51.500	52.600
CR03S	53.700	54.400	53.100	51.300	52.200	53.200
CR04N	53.300	56.700	56.000	57.300	57.800	57.000
CR04S	54.900	57.500	57.600	57.900	57.800	57.000
CR05E	59.700	58.700	59.300	58.800	58.800	58.900
CR05W	60.100	58.800	59.400	59.200	58.800	58.800
Summary	58.500	58.750	58.300	57.950	57.900	57.950
Change		0.250	-0.450	-0.350	-0.050	0.050
Significance		0.770	0.322	0.129	0.820	0.910

Table B.44

Rural 60 km/h arterial road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	65.500	64.600	64.100	63.400	62.800	63.200
CR01S	66.000	64.200	65.300	65.200	63.700	64.200
CR02E	68.700	70.100	67.800	65.200	67.400	65.100
CR02W	70.100	70.900	68.200	68.500	66.900	67.100
CR03N	60.000	59.700	58.900	57.500	58.300	59.600
CR03S	60.400	61.200	59.400	58.300	58.900	59.400
CR04N	59.100	62.800	62.000	63.700	63.900	62.700
CR04S	61.100	64.200	64.100	64.800	64.300	63.400
CR05E	65.200	63.900	64.200	63.600	63.900	63.500
CR05W	65.800	64.200	64.500	64.200	63.800	63.800
Summary	63.950	64.200	63.550	63.100	63.000	63.100
Change		0.250	-0.650	-0.450	-0.100	0.100
Significance		0.846	0.131	0.322	0.846	0.820

Table B.45

Rural 60 km/h arterial road results for each site in each direction of travel - per cent above 60 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	48.661	44.629	40.763	36.524	31.717	35.905
CR01S	53.746	40.430	48.964	48.842	36.732	41.099
CR02E	56.154	60.038	50.721	38.222	53.485	39.653
CR02W	58.099	62.545	52.113	51.171	47.242	45.631
CR03N	14.829	13.848	11.214	7.727	9.507	13.428
CR03S	16.648	19.541	12.846	9.229	11.308	12.586
CR04N	11.787	29.126	23.659	32.808	35.131	28.559
CR04S	19.194	34.819	34.371	36.959	35.896	31.418
CR05E	47.675	38.940	43.099	38.948	39.615	39.481
CR05W	50.232	39.809	44.023	42.831	39.131	39.695
Summary	38.418	39.374	36.124	33.784	33.586	33.801
Change		0.956	-3.250	-2.340	-0.198	0.215
Significance		0.922	0.322	0.160	0.695	0.695

Table B.46

Rural 60 km/h arterial road results for each site in each direction of travel - per cent above 65 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	16.558	13.101	11.474	9.454	7.554	8.389
CR01S	19.179	12.174	16.267	15.475	10.572	11.637
CR02E	27.738	31.462	23.476	15.289	23.382	15.213
CR02W	31.788	35.328	25.822	25.285	20.844	20.663
CR03N	3.972	3.443	2.572	1.702	2.118	3.016
CR03S	4.215	5.712	2.654	1.990	2.647	3.061
CR04N	2.919	8.706	6.770	10.879	11.077	8.377
CR04S	5.644	12.880	12.049	14.094	12.821	10.339
CR05E	15.845	10.821	11.581	9.662	10.671	9.266
CR05W	17.591	11.876	13.014	11.632	10.489	10.336
Summary	11.541	12.025	10.776	9.945	9.472	9.306
Change		0.484	-1.249	-0.831	-0.473	-0.167
Significance		0.922	0.160	0.322	0.492	0.375

Table B.47

Rural 60 km/h arterial road results for each site in each direction of travel - per cent above 70 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	4.473	3.355	2.977	2.320	1.942	1.968
CR01S	5.237	3.166	4.551	3.936	2.686	2.628
CR02E	11.917	15.038	10.667	6.416	8.751	5.763
CR02W	15.296	17.391	11.118	11.351	8.227	8.696
CR03N	0.876	0.686	0.579	0.398	0.690	0.815
CR03S	0.915	1.381	0.700	0.564	0.872	0.687
CR04N	0.898	2.769	2.238	3.258	3.068	2.383
CR04S	1.704	4.406	4.060	4.671	4.237	3.106
CR05E	4.548	2.902	3.124	2.380	2.609	2.091
CR05W	5.564	3.342	3.480	3.104	2.812	2.609
Summary	3.116	3.254	2.892	2.613	2.372	2.178
Change		0.138	-0.362	-0.279	-0.241	-0.194
Significance		0.625	0.160	0.322	0.492	0.084

Table B.48

Rural 60 km/h arterial road results for each site in each direction of travel - per cent above 75 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
CR01N	1.256	0.983	0.943	0.724	0.665	0.544
CR01S	1.545	1.021	1.353	1.042	0.864	0.696
CR02E	5.322	6.404	4.386	2.516	3.562	1.995
CR02W	6.903	8.018	4.930	5.165	3.245	3.356
CR03N	0.284	0.127	0.141	0.062	0.185	0.216
CR03S	0.294	0.435	0.081	0.078	0.275	0.119
CR04N	0.449	0.861	0.723	1.025	0.970	0.884
CR04S	0.624	1.551	1.324	1.697	1.228	1.126
CR05E	1.543	0.944	1.010	0.704	0.792	0.540
CR05W	1.718	1.096	1.084	0.866	0.880	0.690
Summary	1.010	1.002	0.913	0.765	0.744	0.605
Change		-0.008	-0.089	-0.148	-0.021	-0.138
Significance		0.695	0.160	0.492	0.922	0.020

Table B.49
Rural hills 80 km/h arterial road results for each site in each direction of travel - vehicle count

Site ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	10116	10422	10753	11107
AH01W	10307	10292	10625	11172
AH02E	4894	5100	5695	5626
AH02W	5273	5291	6055	5943
AH03N	11253	11268	11945	11879
AH03S	11897	11717	12269	12363
AH04N	19649	21378	22187	24000
AH04S	19227	20509	21143	23058
AH05N		1632	1759	1782
AH05S		1647	1714	1784
AH06N		1710	1838	1844
AH06S		1600	1836	1707

Table B.50
Rural hills 80 km/h arterial road results for each site in each direction of travel - mean speed (km/h)

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	80.184	80.972	84.065	82.460
AH01W	78.161	80.619	83.694	81.218
AH02E	81.561	80.988	81.944	82.430
AH02W	84.082	81.576	80.777	80.997
AH03N	77.379	75.751	78.228	77.425
AH03S	78.839	75.172	75.326	76.229
AH04N	71.734	68.972	77.002	77.321
AH04S	73.720	71.528	78.646	75.944
AH05N		87.210	81.546	88.510
AH05S		86.529	86.015	87.784
AH06N		80.575	77.178	79.469
AH06S		72.827	72.802	73.001
Summary	78.500	76.590	77.145	77.415
Change	-	-1.910	0.555	0.269
Significance	-	0.148	0.380	0.677

Table B.51
Rural hills 80 km/h arterial road results for each site in each direction of travel - median speed (km/h)

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	80.400	81.400	83.500	81.600
AH01W	77.800	80.400	83.000	80.500
AH02E	80.600	81.300	81.800	82.000
AH02W	83.300	81.500	80.500	80.600
AH03N	77.500	75.900	78.200	77.400
AH03S	78.800	75.400	75.800	76.500
AH04N	72.000	69.200	77.200	77.500
AH04S	74.100	71.800	79.200	76.600
AH05N		86.200	81.500	87.800
AH05S		85.700	85.500	87.700
AH06N		80.200	77.500	79.600
AH06S		72.400	73.100	72.800
Summary	78.300	76.600	77.200	77.350
Change	-	-1.700	0.600	0.150
Significance	-	0.250	0.301	0.910

Table B.52

Rural hills 80 km/h arterial road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	89.100	90.400	93.300	91.300
AH01W	86.600	89.800	92.600	90.000
AH02E	92.200	91.200	92.200	92.400
AH02W	95.700	93.300	92.100	91.600
AH03N	86.100	83.900	86.800	85.300
AH03S	87.500	82.800	82.900	83.900
AH04N	78.400	75.400	83.900	84.100
AH04S	80.800	78.200	85.500	82.700
AH05N		100.800	95.200	100.700
AH05S		98.300	97.200	100.000
AH06N		93.000	88.100	91.900
AH06S		87.000	86.600	86.200
Summary	87.050	84.750	85.300	85.200
Change	-	-2.300	0.550	-0.100
Significance	-	0.250	0.519	0.910

Table B.53

Rural hills 80 km/h arterial road results for each site in each direction of travel - per cent above 80 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	51.908	57.043	67.200	58.486
AH01W	37.848	51.798	65.722	52.372
AH02E	52.105	55.118	59.122	59.758
AH02W	62.317	55.320	51.990	52.347
AH03N	37.741	28.692	40.293	35.483
AH03S	43.742	25.322	26.490	29.960
AH04N	9.939	4.158	32.569	33.979
AH04S	17.892	9.332	44.606	27.838
AH05N		72.365	55.031	75.196
AH05S		72.070	70.478	73.711
AH06N		50.292	40.098	48.482
AH06S		28.563	28.704	28.178
Summary	40.795	34.406	36.992	37.489
Change	-	-6.389	2.586	0.497
Significance	-	0.313	0.266	1.000

Table B.54

Rural hills 80 km/h arterial road results for each site in each direction of travel - per cent above 85 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	27.135	32.642	42.053	34.051
AH01W	18.919	28.916	39.727	28.661
AH02E	33.000	33.961	35.522	37.042
AH02W	43.543	36.742	32.601	32.593
AH03N	17.915	11.910	19.548	15.919
AH03S	22.266	9.499	9.504	11.575
AH04N	2.397	0.893	11.827	11.933
AH04S	4.676	2.409	16.880	8.227
AH05N		54.779	37.862	59.371
AH05S		52.459	51.400	59.473
AH06N		33.158	22.252	30.586
AH06S		18.250	17.810	16.520
Summary	20.593	18.707	19.490	19.540
Change	-	-1.885	0.783	0.049
Significance	-	0.461	0.569	0.970

Table B.55

Rural hills 80 km/h arterial road results for each site in each direction of travel - per cent above 90 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	13.118	15.621	22.673	17.674
AH01W	9.401	14.487	20.894	14.957
AH02E	18.737	17.765	19.368	20.014
AH02W	28.143	22.208	19.042	18.391
AH03N	7.251	4.881	8.790	6.659
AH03S	10.003	3.457	3.497	3.980
AH04N	0.519	0.210	3.655	3.563
AH04S	1.134	0.668	4.526	2.043
AH05N		38.419	24.673	42.873
AH05S		35.458	33.606	41.984
AH06N		20.000	11.262	18.872
AH06S		11.250	10.403	10.721
Summary	9.702	8.983	9.804	9.917
Change	-	-0.719	0.822	0.112
Significance	-	0.383	0.733	0.850

Table B.56

Rural hills 80 km/h arterial road results for each site in each direction of travel - per cent above 95 km/h

Location ID	2007 1 week	2008 1 week	2009 1 week	2010 1 week
AH01E	6.495	7.436	11.913	9.111
AH01W	5.132	7.598	10.805	7.895
AH02E	10.564	9.294	10.553	10.416
AH02W	16.272	11.926	10.190	9.591
AH03N	3.013	1.979	3.776	2.829
AH03S	4.354	1.195	1.304	1.496
AH04N	0.173	0.075	1.239	1.133
AH04S	0.322	0.166	1.263	0.568
AH05N		25.245	15.293	29.068
AH05S		22.162	19.078	26.626
AH06N		12.339	6.910	10.466
AH06S		7.188	5.773	6.796
Summary	4.743	4.148	4.751	4.630
Change	-	-0.595	0.603	-0.122
Significance	-	0.250	0.850	0.791

Table B.57
Rural 100 km/h arterial road results for each site in each direction of travel - vehicle count

Site ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	12466	13006	12508	14276		
AR02S	12090	12352	12295	13899		
AR03N	2701	2985	3090	2799	2820	3037
AR03S	2725	3039	2949	2784	2791	2915
AR04N	6711	7403	6342	6851	6990	7211
AR04S	6797	7325	6284	6787	7160	7146
AR05N	606	674	551	561	616	545
AR05S	596	664	536	555	571	549
AR06E	1659	1631	1639	1749	1731	1861
AR06W	1639	1611	1649	1746	1745	1907
AR07N		18218	17147	18762	19027	19882
AR07S		17648	16699	17888	18023	19613
AR09N		1429	1480	1508	1510	1579
AR09S		1445	1458	1503	1526	1609
AR10N		6531	5790	6315	6291	6853
AR10S		6396	5761	6280	6344	6776
AR11E				7298	7270	
AR11W				7491	7532	
AR12E						7726
AR12W						7895
AR13N		2231	2081	2324	2218	2169
AR13S		2341	2162	2320	2246	2124
AR14N					18183	18954
AR14S					18099	19108

Table B.58
Rural 100 km/h arterial road results for each site in each direction of travel - mean speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	85.225	84.260	84.579	83.406		
AR02S	86.340	85.537	84.447	85.219		
AR03N	94.728	99.105	91.370	92.904	92.531	91.974
AR03S	97.001	92.084	95.669	93.241	93.369	94.525
AR04N	97.742	98.602	95.664	97.144	95.415	97.873
AR04S	95.733	96.683	93.861	93.404	95.020	96.709
AR05N	100.038	99.619	97.910	96.060	98.302	97.432
AR05S	102.818	100.295	96.556	98.820	96.671	99.221
AR06E	97.199	99.128	98.313	97.288	99.304	97.944
AR06W	95.635	96.435	94.918	93.996	95.237	95.917
AR07N		91.553	88.247	88.517	88.466	89.221
AR07S		92.371	91.007	92.504	91.306	90.896
AR09N		97.509	99.000	101.310	99.286	99.219
AR09S		96.454	99.441	97.083	94.670	97.427
AR10N		100.833	100.769	102.277	100.184	100.029
AR10S		100.900	101.702	101.516	101.681	102.158
AR11E				103.089	102.300	
AR11W				102.711	102.792	
AR12E						100.604
AR12W						101.549
AR13N		103.699	104.607	102.162	103.157	104.112
AR13S		100.956	97.027	97.755	97.063	97.138
AR14N					79.705	78.401
AR14S					79.442	82.507
Summary	97.864	98.055	96.828	96.871	96.658	97.237
Change		0.191	-1.227	0.042	-0.212	0.578
Significance		1.000	0.090	0.899	0.468	0.108

Table B.59
Rural 100 km/h arterial road results for each site in each direction of travel - median speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	85.200	84.500	84.500	83.500		
AR02S	86.000	85.100	84.200	85.000		
AR03N	95.100	99.400	93.100	93.700	93.200	92.600
AR03S	97.600	93.500	96.100	93.900	94.100	95.200
AR04N	98.200	98.900	96.200	97.500	96.000	98.500
AR04S	96.600	97.400	95.200	94.300	95.900	97.500
AR05N	100.300	100.800	99.100	96.200	98.700	99.100
AR05S	104.100	101.000	96.900	100.200	96.900	100.700
AR06E	98.700	100.300	99.000	98.100	100.300	99.000
AR06W	96.700	97.500	96.400	95.300	96.600	97.600
AR07N		92.100	89.100	89.100	89.100	89.700
AR07S		92.900	91.900	93.200	92.200	91.700
AR09N		99.700	99.700	102.100	100.500	99.800
AR09S		98.500	100.300	98.000	96.100	98.000
AR10N		100.700	100.300	102.000	100.000	99.900
AR10S		101.100	102.000	102.000	101.800	102.200
AR11E				104.100	103.200	
AR11W				102.700	102.800	
AR12E						101.000
AR12W						102.000
AR13N		103.900	105.000	102.700	103.600	104.200
AR13S		101.900	98.200	99.300	98.300	98.700
AR14N					79.500	78.100
AR14S					79.200	82.400
Summary	98.550	99.150	98.100	98.100	97.750	98.250
Change		0.600	-1.050	0.000	-0.350	0.500
Significance		0.846	0.039	0.940	0.459	0.099

Table B.60
Rural 100 km/h arterial road results for each site in each direction of travel - 86th percentile speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	95.800	95.000	94.700	93.900		
AR02S	98.100	97.600	96.200	96.300		
AR03N	107.600	112.500	104.800	104.500	104.900	102.900
AR03S	109.300	103.800	107.500	104.100	103.900	106.500
AR04N	107.900	108.300	104.900	106.700	104.500	107.700
AR04S	105.600	106.000	103.100	102.100	103.900	105.600
AR05N	113.300	114.800	111.300	110.600	112.200	109.400
AR05S	117.300	112.900	110.800	112.300	109.900	112.900
AR06E	109.500	110.300	109.000	107.200	109.600	106.900
AR06W	107.900	108.100	105.700	104.600	105.200	105.500
AR07N		102.300	97.900	97.800	97.900	99.000
AR07S		100.400	99.800	100.400	99.600	99.100
AR09N		107.900	107.700	110.200	107.400	107.100
AR09S		106.900	108.400	105.800	102.300	105.400
AR10N		108.200	107.900	109.200	106.500	106.400
AR10S		109.500	109.800	109.200	109.300	109.400
AR11E				108.900	108.000	
AR11W				107.700	107.600	
AR12E						105.400
AR12W						106.600
AR13N		113.300	115.500	112.600	112.500	113.700
AR13S		112.100	106.900	108.900	107.400	107.400
AR14N					91.500	90.600
AR14S					89.800	93.400
Summary	107.850	108.150	106.800	106.350	106.200	106.400
Change		0.300	-1.350	-0.450	-0.150	0.200
Significance		1.000	0.030	0.468	0.196	0.243

Table B.61

Rural 100 km/h arterial road results for each site in each direction of travel - per cent above 100 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	7.172	6.028	5.029	4.511		
AR02S	11.497	10.678	8.068	8.346		
AR03N	34.654	48.375	27.508	26.367	26.418	22.654
AR03S	41.284	25.271	35.571	27.155	26.263	30.840
AR04N	42.140	44.860	32.561	39.089	30.815	43.101
AR04S	34.795	36.874	26.241	21.939	29.106	37.517
AR05N	50.660	53.264	46.098	40.107	45.942	47.339
AR05S	60.906	52.711	41.791	50.631	38.879	51.730
AR06E	44.364	51.134	45.882	41.395	51.069	44.170
AR06W	38.926	40.720	32.262	29.095	32.894	36.025
AR07N		20.946	9.022	8.634	9.082	12.514
AR07S		16.353	14.163	16.279	13.139	11.717
AR09N		47.586	48.176	60.345	52.583	48.828
AR09S		41.315	51.440	38.789	25.819	38.098
AR10N		54.632	52.418	63.959	49.404	48.723
AR10S		57.020	61.639	62.484	61.917	64.227
AR11E				76.966	73.177	
AR11W				74.623	76.022	
AR12E						59.280
AR12W						67.372
AR13N		68.445	70.639	62.349	68.620	72.199
AR13S		58.778	41.166	46.207	41.541	43.927
AR14N					3.707	2.949
AR14S					2.354	5.260
Summary	44.287	46.223	42.292	41.839	41.109	43.755
Change		1.936	-3.931	-0.453	-0.730	2.646
Significance		0.557	0.027	0.865	0.369	0.074

Table B.62

Rural 100 km/h arterial road results for each site in each direction of travel - per cent above 105 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	2.639	2.107	1.511	1.429		
AR02S	5.219	4.890	3.115	3.554		
AR03N	20.733	32.864	14.628	13.826	14.716	11.031
AR03S	25.358	12.833	20.244	13.147	12.612	17.702
AR04N	22.381	23.693	14.727	18.961	13.648	22.230
AR04S	16.404	17.406	10.201	9.120	12.472	16.737
AR05N	37.129	37.834	31.760	27.094	32.955	29.725
AR05S	48.154	37.651	28.731	35.135	26.445	36.612
AR06E	26.462	30.656	25.503	20.983	27.441	21.118
AR06W	22.331	22.408	16.374	14.032	15.587	16.151
AR07N		9.255	2.099	2.036	2.512	5.402
AR07S		4.788	3.629	4.701	3.423	2.886
AR09N		24.353	23.649	33.554	24.106	21.469
AR09S		20.692	27.092	16.700	8.650	16.408
AR10N		25.080	23.558	30.420	19.822	19.524
AR10S		27.705	31.314	30.525	29.887	31.508
AR11E				40.299	33.934	
AR11W				28.728	28.492	
AR12E						16.425
AR12W						22.673
AR13N		44.420	49.640	39.028	42.786	44.675
AR13S		36.566	21.508	25.474	21.505	22.316
AR14N					1.166	0.844
AR14S					0.796	1.879
Summary	23.631	24.023	20.559	20.124	19.537	20.484
Change		0.391	-3.464	-0.435	-0.587	0.947
Significance		0.695	0.043	0.551	0.229	0.167

Table B.63

Rural 100 km/h arterial road results for each site in each direction of travel - per cent above 110 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	1.027	0.753	0.568	0.546		
AR02S	2.134	2.032	1.196	1.532		
AR03N	10.774	19.363	7.702	6.395	7.234	5.137
AR03S	13.945	6.153	10.410	6.609	5.625	9.057
AR04N	10.848	11.644	6.134	8.203	5.966	10.595
AR04S	7.665	7.481	4.185	3.580	5.028	5.933
AR05N	24.092	24.481	18.149	15.686	20.130	13.578
AR05S	32.718	22.440	15.858	19.279	14.361	21.494
AR06E	13.803	15.696	13.606	10.177	14.038	9.296
AR06W	10.494	11.421	7.641	6.071	7.622	7.132
AR07N		2.871	0.548	0.661	0.815	1.992
AR07S		1.405	1.084	1.286	0.965	0.785
AR09N		10.497	9.527	15.385	8.543	8.866
AR09S		8.720	11.385	6.254	2.818	6.650
AR10N		11.254	11.019	13.159	7.837	8.259
AR10S		13.727	14.373	13.089	13.036	13.430
AR11E				11.674	8.858	
AR11W				9.398	9.068	
AR12E						5.242
AR12W						6.523
AR13N		24.787	30.370	22.160	21.326	24.666
AR13S		19.863	9.482	12.241	9.706	9.040
AR14N					0.352	0.248
AR14S					0.282	0.644
Summary	11.195	11.338	9.808	9.495	8.912	9.290
Change		0.143	-1.530	-0.313	-0.582	0.378
Significance		0.770	0.043	0.523	0.181	0.325

Table B.64

Rural 100 km/h arterial road results for each site in each direction of travel - per cent above 115 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
AR02N	0.497	0.292	0.168	0.210		
AR02S	1.042	0.891	0.545	0.640		
AR03N	5.628	11.122	3.754	2.894	3.440	2.107
AR03S	7.156	2.764	4.917	2.909	2.186	3.979
AR04N	5.349	5.295	2.602	3.635	2.532	4.521
AR04S	3.663	3.345	1.464	1.518	1.899	2.113
AR05N	12.376	14.392	8.893	6.774	10.065	6.055
AR05S	19.799	11.295	7.090	10.450	8.056	11.111
AR06E	7.294	8.032	6.223	4.688	7.048	4.782
AR06W	4.332	5.090	3.153	2.864	3.438	3.513
AR07N		0.972	0.251	0.213	0.310	0.739
AR07S		0.555	0.389	0.447	0.344	0.235
AR09N		3.359	3.378	6.499	3.841	3.610
AR09S		3.460	4.595	2.861	0.917	2.735
AR10N		5.237	4.957	6.413	3.465	3.473
AR10S		5.629	5.884	5.318	5.485	5.667
AR11E				4.289	3.232	
AR11W				4.018	3.717	
AR12E						1.851
AR12W						2.635
AR13N		11.654	15.906	9.509	9.648	12.264
AR13S		9.953	4.672	5.043	4.541	3.531
AR14N					0.148	0.127
AR14S					0.111	0.283
Summary	5.266	5.163	4.630	4.632	4.430	4.554
Change		-0.103	-0.533	0.002	-0.202	0.124
Significance		1.000	0.048	0.671	0.347	0.468

Table B.65
Rural 110 km/h arterial road results for each site in each direction of travel - vehicle count

Site ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	11917	12018	11417	12693	12088	13020
HR01S	12044	12057	11445	12532	12153	12999
HR02N	1786	1908	2042	2076	1990	2208
HR02S	1869	1889	2054	2105	2032	2214
HR03N	725	478	967	568	962	498
HR03S	642	482	927	562	910	531
HR04N	5976	6016	5881	6330	6323	6516
HR04S	6168	6254	6075	6593	6482	6663
HR05E	2513	2337	2214	2424	2546	2540
HR05W	2450	2383	2227	2254	2458	2626
HR06N	2198	2219	2103	2384	2257	2210
HR06S	2283	2361	2172	2449	2264	2120
HR07N		2038	2089	2157	2135	2133
HR07S		2218	2331	2355	2355	2347
HR08N		8123	7338	7795	8471	8823
HR08S		8139	7450	7922	8605	8920
HR09N		3082	2983	3082	3297	3420
HR09S		3764	3302	3560	3906	3822
HR10N		6100	5727	6233	6254	6445
HR10S		6012	5742	6139	6097	6521
HR11E		5085	5486	5112	5101	4974
HR11W		5021	5413	4864	4938	4655
HR12N		12294	11938	12657	12590	13126
HR12S		10164	12073	13195	13513	13437
HR13N		4876	4606	5162	4888	5107
HR13S		4974	4706	5233	4880	5333
HR14E		1605	1556		1414	1516
HR14W		1508	1534		1516	1615
HR15N		4518	4628	4820	5003	5092
HR15S		4711	4728	4980	5090	5117
HR16N		29805	26943	28580	29391	
HR16S		28708	26106	27866	27932	
HR17E		3796	3267	3762	3844	4446
HR17W		3749	3262	3688	3757	4447
HR18N		4012	4601	3999	4034	3988
HR18S		4089	4729	4017	4107	4170
HR19N		5089	5117	5004	5650	5660
HR19S		5043	5163	4960	5560	5651
HR20N		11705	11676	12107	13011	13177
HR20S		11832	11628	12367	13134	13273
HR21N		1186	1274	1297	1950	1429
HR21S		1750	1599	1836	1938	1679
HR22N		6125	5300			
HR22S		4375	5385			
HR23E		2354	2466	2338	2572	2564
HR23W		2403	2443	2387	2643	2602
HR24E		8310	7414	7836	7904	9176
HR24W		8442	7508	7994	7998	4991
HR25E		3320	3186	3139	3276	3206
HR25W		3295	3225	3173	3322	3196
HR26N		2906	2609	3474	3075	3257
HR26S		2766	2591	3490	3139	3203
HR27N		24339				
HR27S		24059				
HR28N		7590	7282	8031	8173	8092
HR28S		7692	7395	8126	8163	8155
HR29N		2811	2641	2814	3056	2738
HR29S		2929	2726	2931	3117	2869
HR32N		2832	2568	2572	2652	2929
HR32S		2755	2585	2633	2685	2987
HR33E		1299	1130	1140	999	1145
HR33W		1294	1088	1175	1003	1188
HR34N		1182	962	972	1086	1221
HR34S		1188	1000	1046	1150	1253
HR35E		798	736	758	641	681
HR35W		812	741	760	653	694
HR36N	1804	1939	2112	1725	2021	2041
HR36S	1767	1922	2135	1790	1904	2092
HR37N	1089	1371	1113	1391	1372	1408
HR37S	1086	1293	1202	1325	1278	1429
HR38N				2555	2557	2659
HR38S				2571	2500	2613
HR39N	937	929	959	1068	1047	1295
HR39S	995	975	990	1148	1070	1210

Table B.66
Rural 110 km/h arterial road results for each site in each direction of travel - mean speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	98.369	98.976	98.866	97.726	98.810	98.413
HR01S	101.909	100.540	100.743	100.418	102.150	101.050
HR02N	97.850	98.547	99.876	95.800	103.657	98.950
HR02S	99.135	102.004	97.758	97.589	102.894	98.742
HR03N	105.540	107.187	110.608	107.977	104.550	106.734
HR03S	106.341	102.901	106.336	106.850	105.684	103.247
HR04N	108.215	104.831	105.307	104.211	104.743	108.912
HR04S	104.710	106.580	104.945	104.670	104.376	105.704
HR05E	96.696	102.211	103.156	102.472	101.830	103.364
HR05W	100.853	102.065	101.563	102.727	101.385	101.377
HR06N	105.204	105.812	103.514	105.327	105.946	105.775
HR06S	105.321	105.924	106.102	106.713	104.916	105.869
HR07N		100.683	99.585	99.982	100.295	101.653
HR07S		102.163	103.124	102.221	101.746	100.904
HR08N		104.048	107.231	105.310	104.129	104.397
HR08S		104.554	107.920	108.090	104.394	103.645
HR09N		99.428	103.037	100.874	102.186	104.487
HR09S		107.075	104.351	106.211	103.971	104.521
HR10N		103.751	104.714	106.354	104.633	105.173
HR10S		107.383	105.997	107.454	107.088	108.750
HR11E		102.061	101.959	102.141	102.167	100.217
HR11W		100.266	97.749	100.708	97.310	97.189
HR12N		106.407	103.458	104.199	103.722	104.371
HR12S		104.673	102.316	102.495	101.669	101.977
HR13N		98.905	99.386	99.914	96.060	98.977
HR13S		99.129	97.485	96.775	97.746	99.488
HR14E		104.299	103.220		104.095	101.204
HR14W		103.893	104.983		104.166	105.901
HR15N		107.136	106.515	104.920	105.181	107.747
HR15S		105.860	105.685	106.509	106.867	104.922
HR16N		107.141	104.631	105.643	102.162	
HR16S		107.772	108.682	103.324	104.449	
HR17E		109.117	108.138	109.214	108.017	106.903
HR17W		106.595	108.684	107.038	106.358	108.424
HR18N		102.005	101.821	100.948	103.166	102.306
HR18S		103.576	101.594	102.423	102.540	102.030
HR19N		101.751	101.508	103.459	103.287	101.458
HR19S		102.933	103.643	103.647	102.442	104.144
HR20N		93.346	93.336	93.715	92.915	93.594
HR20S		95.921	98.472	97.094	97.580	98.379
HR21N		104.280	101.654	102.503	86.626	91.868
HR21S		100.011	100.833	100.785	93.936	90.974
HR22N		102.468	102.369			
HR22S		106.534	101.572			
HR23E		100.240	102.805	95.951	96.647	100.127
HR23W		99.766	102.232	100.111	100.092	101.668
HR24E		107.223	106.259	106.046	107.861	109.344
HR24W		104.492	104.896	104.468	105.873	105.570
HR25E		106.001	105.975	105.620	105.710	105.916
HR25W		106.410	104.799	106.456	105.454	103.748
HR26N		103.177	100.317	97.027	101.491	103.192
HR26S		102.680	104.406	96.646	101.455	103.950
HR27N		92.566				
HR27S		95.310				
HR28N		105.362	104.126	106.371	106.789	106.279
HR28S		105.513	105.917	104.807	104.657	105.574
HR29N		97.664	98.385	97.511	97.523	99.554
HR29S		102.511	102.419	104.457	100.871	103.565
HR32N		96.483	97.520	94.766	96.465	96.647
HR32S		98.549	97.475	97.835	98.914	98.617
HR33E		101.245	102.384	101.022	101.701	102.095
HR33W		104.121	101.067	102.851	102.492	103.116
HR34N		103.646	100.662	100.359	99.786	103.200
HR34S		104.153	105.006	107.795	105.359	104.332
HR35E		95.135	93.694	95.332	92.739	93.310
HR35W		97.407	94.583	95.463	93.396	96.207
HR36N	109.773	112.818	104.545	107.069	102.658	107.490
HR36S	109.561	111.340	107.572	107.782	105.401	112.653
HR37N	103.745	102.094	102.994	103.116	101.589	103.103
HR37S	103.088	102.827	100.428	99.929	102.244	102.556
HR38N				95.666	95.285	94.997
HR38S				101.815	102.040	102.663
HR39N	104.894	104.762	100.951	104.688	102.560	104.572
HR39S	105.151	105.644	101.382	105.472	102.834	104.566
Summary	102.769	103.376	103.234	103.380	103.018	103.642
Change		0.608	-0.142	0.146	-0.362	0.624
Significance		0.212	0.085	0.874	0.068	0.005

Table B.67
Rural 110 km/h arterial road results for each site in each direction of travel - median speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	99.200	99.800	99.800	98.500	99.700	99.200
HR01S	103.000	101.600	102.100	101.700	103.200	102.200
HR02N	98.700	99.100	101.000	96.800	104.100	99.800
HR02S	100.200	102.300	98.400	98.900	103.600	99.100
HR03N	107.900	109.700	112.000	108.800	106.600	108.100
HR03S	108.800	105.400	109.000	109.300	108.600	105.300
HR04N	109.000	105.400	106.200	104.800	105.500	109.600
HR04S	105.300	107.100	105.700	105.400	105.100	106.800
HR05E	98.500	102.600	103.500	102.800	102.200	103.900
HR05W	101.800	102.200	101.300	102.700	101.400	101.600
HR06N	106.600	107.400	104.600	106.200	106.900	106.600
HR06S	105.800	106.500	106.800	107.000	105.600	106.900
HR07N		101.900	100.700	101.300	101.300	103.000
HR07S		103.400	104.500	103.500	103.200	102.800
HR08N		106.400	108.300	106.200	105.100	105.200
HR08S		107.400	108.700	108.800	105.200	104.200
HR09N		100.000	103.800	102.000	103.600	105.800
HR09S		106.900	104.700	107.000	104.500	105.200
HR10N		105.200	106.000	107.200	105.900	106.300
HR10S		108.700	107.000	108.400	108.600	109.700
HR11E		102.200	102.500	102.700	102.900	100.900
HR11W		103.600	101.500	103.300	99.500	98.800
HR12N		107.200	103.700	105.200	104.700	105.400
HR12S		105.600	103.000	103.300	102.500	103.100
HR13N		100.200	101.000	101.300	97.600	100.400
HR13S		100.100	98.700	97.900	98.900	100.800
HR14E		106.800	104.900		106.900	103.800
HR14W		106.000	107.100		106.600	108.400
HR15N		108.400	107.600	106.100	106.500	108.700
HR15S		106.500	106.500	107.100	107.600	106.000
HR16N		108.800	106.500	107.400	104.000	
HR16S		108.700	109.900	107.000	109.700	
HR17E		109.700	109.400	109.800	109.100	107.800
HR17W		107.600	109.600	108.400	107.600	109.900
HR18N		103.000	103.000	102.100	104.500	103.600
HR18S		104.500	102.600	103.500	103.700	102.900
HR19N		103.300	102.900	104.800	104.500	102.600
HR19S		104.400	105.200	105.500	104.200	105.900
HR20N		94.300	93.800	94.100	93.400	93.900
HR20S		97.400	99.000	97.600	98.300	99.100
HR21N		104.300	102.000	103.100	86.800	93.600
HR21S		100.000	100.900	100.700	94.900	92.600
HR22N		103.700	103.700			
HR22S		107.900	103.100			
HR23E		101.200	103.400	98.100	99.200	102.100
HR23W		101.600	102.900	102.100	102.400	102.900
HR24E		106.900	105.900	106.000	107.800	109.300
HR24W		104.200	104.700	104.300	106.000	106.000
HR25E		106.700	106.600	106.100	106.400	106.700
HR25W		106.800	104.800	107.000	105.700	104.200
HR26N		104.600	101.400	99.500	102.700	104.600
HR26S		103.700	105.600	97.900	102.400	105.300
HR27N		93.700				
HR27S		96.200				
HR28N		106.200	104.800	107.100	107.400	106.800
HR28S		106.400	106.400	105.400	105.400	106.100
HR29N		100.000	101.200	100.100	99.100	101.600
HR29S		104.400	104.500	106.100	104.200	104.900
HR32N		98.800	100.000	97.700	99.200	99.700
HR32S		100.600	100.200	100.600	101.200	101.500
HR33E		103.400	104.000	102.300	103.800	104.000
HR33W		106.800	102.600	104.300	103.600	105.100
HR34N		105.300	101.900	102.000	101.200	104.100
HR34S		105.300	106.600	108.800	105.700	105.300
HR35E		97.100	95.600	96.900	94.000	95.200
HR35W		98.800	95.500	96.200	94.600	97.600
HR36N	111.000	113.600	107.800	107.900	106.900	111.900
HR36S	110.700	112.100	108.800	109.400	107.300	114.400
HR37N	105.100	102.800	103.900	104.000	102.700	104.200
HR37S	103.800	103.400	101.400	100.900	103.800	103.500
HR38N				97.900	97.300	96.800
HR38S				103.100	103.600	103.900
HR39N	105.900	105.600	102.800	105.500	104.500	106.200
HR39S	106.700	107.300	103.400	107.100	104.400	106.600
Summary	103.850	104.450	104.400	104.550	104.150	104.800
Change		0.600	-0.050	0.150	-0.400	0.650
Significance		0.284	0.047	0.899	0.169	0.006

Table B.68
Rural 110 km/h arterial road results for each site in each direction of travel - 85th percentile speed (km/h)

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	108.000	108.500	108.500	106.800	107.900	107.800
HR01S	111.700	110.100	110.100	109.700	111.100	110.100
HR02N	108.900	109.600	111.000	106.300	115.300	110.200
HR02S	111.000	113.600	109.800	109.000	114.200	111.400
HR03N	118.100	120.200	121.600	118.500	114.600	118.000
HR03S	117.800	115.100	118.000	117.600	117.100	115.000
HR04N	116.400	112.400	112.600	111.600	112.300	116.200
HR04S	112.600	114.600	112.500	112.200	111.600	113.200
HR05E	109.100	114.300	114.700	113.900	113.200	114.200
HR05W	113.700	112.600	111.900	113.400	111.400	111.100
HR06N	114.600	115.500	112.300	113.800	114.000	114.100
HR06S	114.100	114.600	114.600	115.100	112.700	113.900
HR07N		113.200	111.800	111.800	112.300	114.300
HR07S		114.300	114.900	114.100	113.200	112.200
HR08N		114.300	115.500	113.100	111.500	111.700
HR08S		115.800	116.200	116.100	111.400	111.100
HR09N		110.800	114.500	111.300	113.300	114.700
HR09S		120.000	116.300	118.000	115.200	115.500
HR10N		112.900	113.000	114.300	112.500	112.600
HR10S		116.600	114.400	115.600	115.500	116.600
HR11E		111.900	112.100	111.700	111.500	109.100
HR11W		113.400	110.500	112.500	108.200	107.500
HR12N		116.600	112.400	112.900	112.400	113.000
HR12S		115.000	111.500	111.400	110.600	110.900
HR13N		110.200	110.500	111.500	107.200	109.700
HR13S		110.500	108.500	108.300	109.500	110.700
HR14E		117.100	115.600		115.800	112.900
HR14W		115.700	116.800		115.700	118.500
HR15N		115.600	114.800	113.600	113.500	115.400
HR15S		113.500	113.400	114.200	114.800	112.600
HR16N		116.700	113.700	114.900	111.000	
HR16S		115.800	117.000	113.600	116.700	
HR17E		119.700	117.400	118.300	116.400	114.500
HR17W		116.900	118.100	115.900	115.000	116.900
HR18N		111.700	112.400	110.300	113.000	111.600
HR18S		112.700	110.700	111.300	110.500	110.500
HR19N		114.000	113.200	114.300	114.400	112.000
HR19S		113.800	113.900	114.400	113.100	114.200
HR20N		103.700	103.300	103.600	102.900	103.500
HR20S		107.100	108.700	107.200	107.600	108.000
HR21N		119.500	115.200	115.100	103.600	109.600
HR21S		113.500	114.100	115.000	110.500	107.000
HR22N		113.600	112.900			
HR22S		118.300	111.700			
HR23E		110.500	112.300	108.600	109.100	112.300
HR23W		112.000	112.400	111.900	112.100	113.100
HR24E		115.200	113.800	113.300	115.400	117.600
HR24W		112.600	112.700	112.400	113.500	113.200
HR25E		115.400	115.900	114.500	115.000	115.000
HR25W		116.000	114.200	116.000	115.000	113.300
HR26N		115.900	111.300	112.500	112.500	114.600
HR26S		112.900	114.700	109.600	112.700	113.400
HR27N		102.800				
HR27S		103.900				
HR28N		113.000	111.700	113.900	114.600	113.300
HR28S		113.400	113.500	112.100	112.100	112.900
HR29N		111.700	112.000	111.300	110.500	112.000
HR29S		114.200	114.000	115.800	113.500	114.100
HR32N		109.400	110.100	107.600	107.900	108.200
HR32S		111.600	110.100	110.700	110.800	110.200
HR33E		111.900	113.500	111.500	112.500	111.700
HR33W		116.200	111.400	112.700	112.800	112.600
HR34N		114.000	111.700	111.500	110.300	113.300
HR34S		114.300	116.100	118.700	116.000	114.400
HR35E		108.900	106.400	108.400	108.100	106.500
HR35W		110.100	106.900	108.400	109.600	109.600
HR36N	122.700	124.400	116.800	117.400	115.600	120.900
HR36S	121.600	123.300	117.800	118.500	115.100	123.300
HR37N	116.900	115.300	115.100	115.600	112.300	113.800
HR37S	115.700	114.600	111.300	111.000	112.900	112.400
HR38N				109.100	107.500	107.600
HR38S				112.600	113.000	112.800
HR39N	116.200	115.000	111.100	115.200	113.200	114.500
HR39S	117.300	116.900	112.300	116.400	112.900	116.100
Summary	113.500	114.000	113.700	113.600	113.200	113.500
Change		0.500	-0.300	-0.100	-0.400	0.300
Significance		0.640	0.002	0.969	0.037	0.111

Table B.69
Rural 110 km/h arterial road results for each site in each direction of travel - per cent above 110 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	9.717	10.551	10.449	6.594	8.885	8.694
HR01S	21.048	15.253	15.317	13.517	18.975	15.009
HR02N	11.982	14.046	17.434	7.803	30.503	15.308
HR02S	17.442	24.457	14.508	12.209	28.396	18.428
HR03N	40.552	48.117	59.049	42.782	33.784	41.767
HR03S	44.237	30.705	44.444	45.730	43.626	33.145
HR04N	44.762	25.299	28.278	21.137	24.435	47.452
HR04S	25.892	36.153	26.074	24.966	22.231	31.067
HR05E	12.336	26.016	25.700	24.917	23.016	27.756
HR05W	22.490	21.905	20.072	23.913	18.674	18.964
HR06N	33.258	36.728	24.061	30.369	32.698	32.398
HR06S	31.494	32.867	33.978	34.790	25.972	32.358
HR07N		24.289	19.531	19.796	21.171	27.239
HR07S		27.908	30.759	27.728	26.157	21.815
HR08N		33.042	40.379	29.224	21.473	21.863
HR08S		37.744	43.168	43.386	20.790	18.711
HR09N		16.970	29.802	18.689	27.358	32.749
HR09S		42.163	34.585	41.096	32.565	33.909
HR10N		27.557	29.073	33.996	25.664	26.113
HR10S		43.613	33.560	41.196	42.004	48.137
HR11E		20.138	20.416	19.679	19.330	12.264
HR11W		24.019	16.054	22.081	10.146	8.593
HR12N		39.239	24.502	28.198	25.655	28.866
HR12S		33.402	20.558	21.053	17.553	18.546
HR13N		15.525	16.327	18.404	8.408	13.628
HR13S		16.244	11.602	10.720	13.730	16.745
HR14E		39.688	32.905		38.260	26.121
HR14W		35.544	38.266		34.499	44.334
HR15N		42.364	38.051	31.929	32.560	42.439
HR15S		31.586	31.430	34.297	37.741	28.669
HR16N		44.902	32.784	37.995	19.431	
HR16S		43.333	49.333	32.656	48.045	
HR17E		48.999	47.597	48.804	44.719	36.550
HR17W		40.571	47.915	41.811	37.024	48.999
HR18N		21.386	23.125	15.604	25.607	20.712
HR18S		25.190	17.530	19.318	17.263	17.146
HR19N		28.159	25.503	30.815	30.779	22.067
HR19S		28.753	30.544	30.968	26.835	31.941
HR20N		3.469	2.501	2.684	1.929	2.353
HR20S		7.877	10.948	6.970	7.827	8.785
HR21N		34.148	26.295	30.069	6.667	14.136
HR21S		21.714	23.327	26.307	16.099	10.185
HR22N		25.976	25.019			
HR22S		42.080	20.743			
HR23E		16.653	23.033	10.565	12.053	20.671
HR23W		20.849	22.718	20.486	21.415	23.674
HR24E		35.511	29.984	29.045	39.309	46.894
HR24W		24.639	25.906	25.206	30.858	27.570
HR25E		36.386	35.970	33.036	34.890	35.933
HR25W		36.965	28.682	38.071	34.046	27.096
HR26N		33.207	18.436	21.474	23.805	30.703
HR26S		25.054	31.764	14.040	24.116	28.817
HR27N		1.508				
HR27S		2.660				
HR28N		29.183	22.260	33.744	36.376	30.981
HR28S		30.525	31.237	25.117	24.305	28.437
HR29N		18.961	20.636	18.941	16.525	21.110
HR29S		29.601	29.347	35.346	27.302	30.673
HR32N		13.171	15.070	8.904	9.992	9.013
HR32S		19.456	15.319	17.357	17.281	15.668
HR33E		22.325	26.372	18.684	22.823	21.747
HR33W		37.635	18.474	26.043	24.526	23.569
HR34N		30.964	20.686	20.267	16.114	28.256
HR34S		27.946	37.500	44.455	33.826	31.125
HR35E		11.529	8.560	11.214	9.828	7.048
HR35W		15.148	8.772	12.237	14.242	13.112
HR36N	52.494	61.527	41.383	40.754	37.160	55.120
HR36S	51.387	56.712	45.527	47.263	36.712	64.101
HR37N	32.691	27.498	28.122	30.841	21.866	27.415
HR37S	30.295	27.533	18.386	17.057	23.787	21.624
HR38N				12.211	8.369	8.763
HR38S				24.582	25.880	24.378
HR39N	35.219	30.355	18.874	31.461	24.833	33.668
HR39S	38.392	39.590	21.616	38.502	23.738	35.785
Summary	26.767	28.052	27.366	27.608	26.157	26.861
Change		1.286	-0.686	0.241	-1.451	0.704
Significance		0.495	0.019	0.899	0.071	0.096

Table B.70
Rural 110 km/h arterial road results for each site in each direction of travel - per cent above 115 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	3.231	3.020	2.943	1.749	2.010	2.174
HR01S	7.315	4.786	3.879	3.782	5.052	3.639
HR02N	5.599	6.237	6.121	2.408	15.176	5.344
HR02S	7.330	11.646	5.599	4.133	13.386	7.995
HR03N	23.310	29.079	37.125	23.944	13.617	20.683
HR03S	22.741	15.768	22.869	22.954	21.429	14.878
HR04N	20.448	7.879	8.162	6.477	7.449	19.675
HR04S	7.977	13.831	7.292	7.280	6.032	9.020
HR05E	5.094	13.008	14.318	11.922	10.566	12.598
HR05W	12.245	9.064	8.083	10.248	6.876	5.941
HR06N	13.467	15.998	8.226	11.997	11.963	12.443
HR06S	12.615	13.892	13.812	15.027	8.790	11.792
HR07N		11.237	9.000	7.325	8.384	13.361
HR07S		13.210	14.414	12.824	10.488	8.735
HR08N		12.791	16.490	9.224	6.021	7.106
HR08S		17.361	19.584	18.644	5.938	5.975
HR09N		6.327	13.644	6.392	9.736	13.860
HR09S		27.790	18.262	23.062	15.489	16.222
HR10N		9.623	9.237	12.819	8.235	8.379
HR10S		20.609	12.870	16.534	16.648	20.994
HR11E		8.928	8.950	7.433	6.822	3.257
HR11W		10.834	6.207	9.046	3.098	2.299
HR12N		20.319	7.154	8.248	6.871	8.548
HR12S		14.965	5.558	4.903	3.811	4.220
HR13N		5.414	5.970	7.594	2.394	4.347
HR13S		6.353	4.420	4.682	5.430	5.532
HR14E		20.685	16.710		17.963	9.037
HR14W		17.440	19.296		16.689	25.697
HR15N		17.419	14.002	10.290	9.814	16.359
HR15S		9.807	9.666	12.631	13.870	7.368
HR16N		21.282	9.988	14.328	3.971	
HR16S		17.664	22.999	9.894	21.910	
HR17E		30.743	23.049	26.077	19.433	13.270
HR17W		20.432	26.272	17.706	14.772	21.745
HR18N		7.702	7.781	4.726	8.602	6.068
HR18S		8.486	4.758	5.153	4.480	3.885
HR19N		12.046	9.517	12.730	12.973	7.067
HR19S		11.342	11.505	12.903	9.532	12.369
HR20N		0.863	0.711	0.743	0.500	0.622
HR20S		1.783	2.425	1.585	1.416	1.725
HR21N		23.103	15.228	15.189	3.128	7.908
HR21S		12.629	13.258	14.869	8.824	3.871
HR22N		11.331	9.660			
HR22S		24.366	7.651			
HR23E		5.480	8.556	3.251	4.588	8.424
HR23W		8.697	9.005	8.463	7.794	10.069
HR24E		15.475	11.721	10.260	16.169	24.880
HR24W		8.114	8.378	7.518	10.003	9.918
HR25E		15.753	17.765	13.635	14.621	14.878
HR25W		18.240	12.899	17.933	14.660	9.637
HR26N		17.481	6.171	9.614	9.171	13.172
HR26S		9.617	13.701	5.501	9.111	10.490
HR27N		0.374				
HR27S		0.732				
HR28N		8.340	5.836	11.119	13.300	9.207
HR28S		9.490	9.899	6.756	6.738	8.167
HR29N		8.004	7.762	6.112	4.974	7.341
HR29S		12.666	12.069	17.161	10.780	12.234
HR32N		4.661	4.712	1.866	3.243	2.014
HR32S		8.022	5.532	6.039	6.816	5.290
HR33E		6.620	10.796	7.456	9.910	7.948
HR33W		19.011	8.272	10.043	8.574	9.259
HR34N		12.606	7.277	7.613	5.064	9.828
HR34S		12.963	18.000	23.136	17.304	13.248
HR35E		4.511	2.853	3.694	5.148	2.349
HR35W		6.897	4.184	5.789	6.891	5.331
HR36N	36.364	43.837	20.218	21.217	16.625	37.531
HR36S	34.295	39.178	24.403	26.983	15.179	48.040
HR37N	18.641	15.536	15.004	16.535	9.475	12.145
HR37S	16.943	13.921	9.318	7.245	10.016	9.027
HR38N				4.384	2.425	2.971
HR38S				9.724	10.120	9.682
HR39N	18.463	14.855	6.152	15.262	11.366	13.591
HR39S	21.106	20.923	9.899	19.164	10.654	17.107
Summary	12.389	12.617	11.865	11.924	11.253	11.698
Change		0.228	-0.752	0.058	-0.671	0.445
Significance		0.671	0.002	0.884	0.013	0.151

Table B.71
Rural 110 km/h arterial road results for each site in each direction of travel - per cent above 120 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	1.250	0.957	1.069	0.796	0.637	0.722
HR01S	2.200	1.368	1.284	1.197	1.391	1.015
HR02N	3.303	2.516	2.302	1.204	6.181	2.038
HR02S	2.943	5.611	1.850	1.188	6.250	3.297
HR03N	10.621	15.272	18.511	12.324	6.965	10.241
HR03S	9.502	6.639	10.572	9.253	8.352	6.026
HR04N	6.526	2.576	2.483	1.959	2.388	5.832
HR04S	2.367	4.477	2.008	2.260	2.098	2.732
HR05E	2.149	5.092	5.330	3.754	3.614	4.764
HR05W	4.939	3.987	2.425	3.949	2.522	1.942
HR06N	5.914	6.309	3.852	5.495	5.405	5.249
HR06S	4.818	4.871	4.972	6.574	4.064	4.906
HR07N		4.024	3.782	2.503	2.904	5.016
HR07S		5.546	5.834	4.459	3.992	2.812
HR08N		4.075	5.560	2.758	2.125	2.641
HR08S		6.401	6.550	6.362	1.964	2.343
HR09N		2.596	4.224	2.661	4.095	5.263
HR09S		14.878	7.935	10.758	6.375	6.672
HR10N		3.443	2.951	4.605	3.278	3.103
HR10S		7.868	4.946	6.108	6.216	7.714
HR11E		2.891	3.245	2.484	2.039	1.146
HR11W		3.784	2.254	3.228	1.073	0.859
HR12N		6.946	2.211	2.354	2.145	2.484
HR12S		4.240	1.507	1.258	0.984	1.094
HR13N		1.825	2.106	2.693	0.798	1.566
HR13S		2.674	1.997	1.815	2.131	2.025
HR14E		8.287	6.748		6.719	3.364
HR14W		7.825	9.322		8.377	10.774
HR15N		4.759	3.025	2.261	2.379	5.401
HR15S		2.717	2.432	4.016	3.635	2.169
HR16N		5.986	2.142	3.135	0.854	
HR16S		5.598	6.830	2.584	5.900	
HR17E		14.252	8.693	10.898	7.518	4.566
HR17W		8.509	10.423	6.725	5.350	7.016
HR18N		2.617	2.478	1.750	2.603	2.006
HR18S		2.617	1.607	1.867	1.339	1.295
HR19N		3.812	2.990	3.937	3.805	1.502
HR19S		3.272	3.390	3.609	2.950	3.362
HR20N		0.333	0.291	0.231	0.161	0.159
HR20S		0.507	0.697	0.372	0.327	0.482
HR21N		14.503	7.849	7.941	1.282	3.359
HR21S		6.171	6.316	8.170	4.283	1.310
HR22N		5.045	3.396			
HR22S		11.543	2.804			
HR23E		2.336	2.717	0.898	1.205	2.262
HR23W		3.121	3.070	2.807	2.762	3.766
HR24E		5.704	4.343	3.892	5.896	9.045
HR24W		2.440	2.531	2.152	2.426	3.066
HR25E		6.024	6.183	4.460	4.457	4.242
HR25W		6.859	4.992	6.114	4.485	3.223
HR26N		6.573	1.725	3.685	2.862	3.715
HR26S		3.615	5.210	2.206	3.281	3.653
HR27N		0.140				
HR27S		0.295				
HR28N		2.003	1.428	3.001	3.426	2.570
HR28S		2.353	2.596	1.698	2.034	2.330
HR29N		2.419	2.613	2.168	1.702	2.374
HR29S		4.507	3.558	6.994	3.433	3.172
HR32N		1.801	1.363	0.739	1.169	0.683
HR32S		3.521	2.205	2.621	2.868	1.942
HR33E		2.848	3.894	3.158	4.204	3.144
HR33W		8.192	3.217	4.170	3.290	4.125
HR34N		5.161	3.430	2.675	1.750	3.194
HR34S		5.471	7.000	12.333	8.609	6.464
HR35E		1.880	1.223	0.792	0.936	1.028
HR35W		3.079	1.350	2.632	2.450	2.017
HR36N		20.510	24.446	9.044	6.977	17.834
HR36S		18.166	21.904	10.585	11.732	25.335
HR37N		9.458	8.607	7.098	8.052	4.082
HR37S		8.656	6.883	4.825	2.642	5.086
HR38N					1.487	0.587
HR38S					4.006	3.400
HR39N		7.791	7.535	2.607	7.959	4.394
HR39S		8.945	10.051	4.848	8.537	5.421
Summary	4.594	4.492	3.959	3.824	3.496	3.793
Change		-0.102	-0.533	-0.135	-0.328	0.297
Significance		0.651	0.000	0.722	0.002	0.200

Table B.72
Rural 110 km/h arterial road results for each site in each direction of travel - per cent above 125 km/h

Location ID	2006 1 week	2007 1 week	2008 1 week	2009 1 week	2010 1 week	2011 1 week
HR01N	0.688	0.391	0.517	0.378	0.215	0.353
HR01S	0.872	0.456	0.428	0.471	0.403	0.438
HR02N	2.240	1.205	0.930	0.530	2.563	0.906
HR02S	1.284	3.176	0.779	0.285	2.362	1.310
HR03N	4.828	8.787	8.790	7.746	3.430	4.418
HR03S	4.517	2.075	4.207	4.448	3.626	2.260
HR04N	2.359	1.014	0.986	0.758	0.886	2.026
HR04S	0.957	1.983	0.774	1.001	1.111	1.141
HR05E	1.035	2.139	2.168	1.856	1.689	2.126
HR05W	2.367	1.721	0.943	2.085	0.936	0.952
HR06N	3.276	3.110	1.617	2.601	2.658	3.167
HR06S	2.365	2.499	2.993	3.144	2.297	2.594
HR07N		1.766	1.484	1.252	0.984	1.782
HR07S		2.029	2.703	1.953	1.529	1.236
HR08N		1.662	2.099	1.103	0.992	1.281
HR08S		2.568	3.141	2.777	0.883	1.166
HR09N		1.233	1.810	1.460	1.547	2.398
HR09S		7.014	3.725	5.112	3.098	3.271
HR10N		1.492	1.362	2.391	1.423	1.241
HR10S		3.377	2.194	3.095	3.001	3.711
HR11E		1.259	1.367	0.802	0.784	0.543
HR11W		1.434	0.979	1.131	0.527	0.494
HR12N		2.245	0.963	1.059	0.977	0.968
HR12S		1.269	0.596	0.493	0.400	0.432
HR13N		1.066	0.890	1.201	0.307	0.627
HR13S		1.146	0.999	0.898	0.902	0.806
HR14E		3.053	2.442		2.758	1.253
HR14W		3.714	4.628		4.222	4.768
HR15N		1.085	0.994	0.830	0.780	2.474
HR15S		0.955	0.761	1.627	1.120	0.645
HR16N		1.553	0.664	0.731	0.289	
HR16S		1.996	2.229	0.818	1.607	
HR17E		6.375	3.765	5.130	3.252	2.137
HR17W		3.468	4.782	2.847	2.289	2.339
HR18N		1.022	0.956	0.825	0.992	0.953
HR18S		1.174	0.550	0.697	0.730	0.528
HR19N		1.100	1.173	1.299	1.150	0.618
HR19S		1.150	1.491	1.391	1.187	1.274
HR20N		0.120	0.103	0.091	0.085	0.068
HR20S		0.237	0.318	0.129	0.091	0.173
HR21N		8.263	3.611	3.932	0.667	1.330
HR21S		3.086	3.377	4.031	1.754	0.357
HR22N		2.629	1.509			
HR22S		4.777	1.374			
HR23E		1.105	0.852	0.257	0.583	0.780
HR23W		1.373	1.228	1.131	0.946	1.691
HR24E		2.443	1.888	1.748	2.265	3.008
HR24W		1.019	1.265	0.913	0.838	1.242
HR25E		2.470	1.789	1.529	1.648	1.372
HR25W		2.731	2.047	2.269	1.896	1.220
HR26N		2.168	0.652	1.209	1.138	1.474
HR26S		1.555	2.084	0.860	1.370	1.561
HR27N		0.045				
HR27S		0.125				
HR28N		0.619	0.618	1.021	1.126	1.001
HR28S		0.845	0.784	0.603	0.686	0.883
HR29N		0.711	0.795	0.995	0.720	0.986
HR29S		1.741	1.614	2.729	1.476	1.150
HR32N		0.812	0.467	0.311	0.641	0.205
HR32S		1.488	0.851	0.987	1.117	0.837
HR33E		1.232	1.416	1.316	2.302	1.397
HR33W		3.864	1.287	1.787	1.894	2.273
HR34N		1.946	1.975	1.337	0.921	2.048
HR34S		2.020	4.600	5.545	5.217	3.113
HR35E		0.376	0.543	0.396	0.312	0.587
HR35W		1.847	0.675	1.053	1.072	0.865
HR36N	11.752	13.770	4.025	5.913	3.711	7.398
HR36S	10.640	11.915	5.527	5.363	2.574	11.090
HR37N	3.857	4.376	3.504	3.666	2.332	2.770
HR37S	4.052	3.480	2.745	1.208	2.191	2.379
HR38N				0.626	0.352	0.527
HR38S				1.556	1.480	1.799
HR39N	3.095	3.552	1.251	4.120	1.433	2.317
HR39S	4.121	5.231	1.818	4.791	2.430	3.223
Summary	1.458	1.754	1.592	1.538	1.435	1.591
Change		0.295	-0.162	-0.054	-0.103	0.155
Significance		0.393	0.001	0.699	0.001	0.105