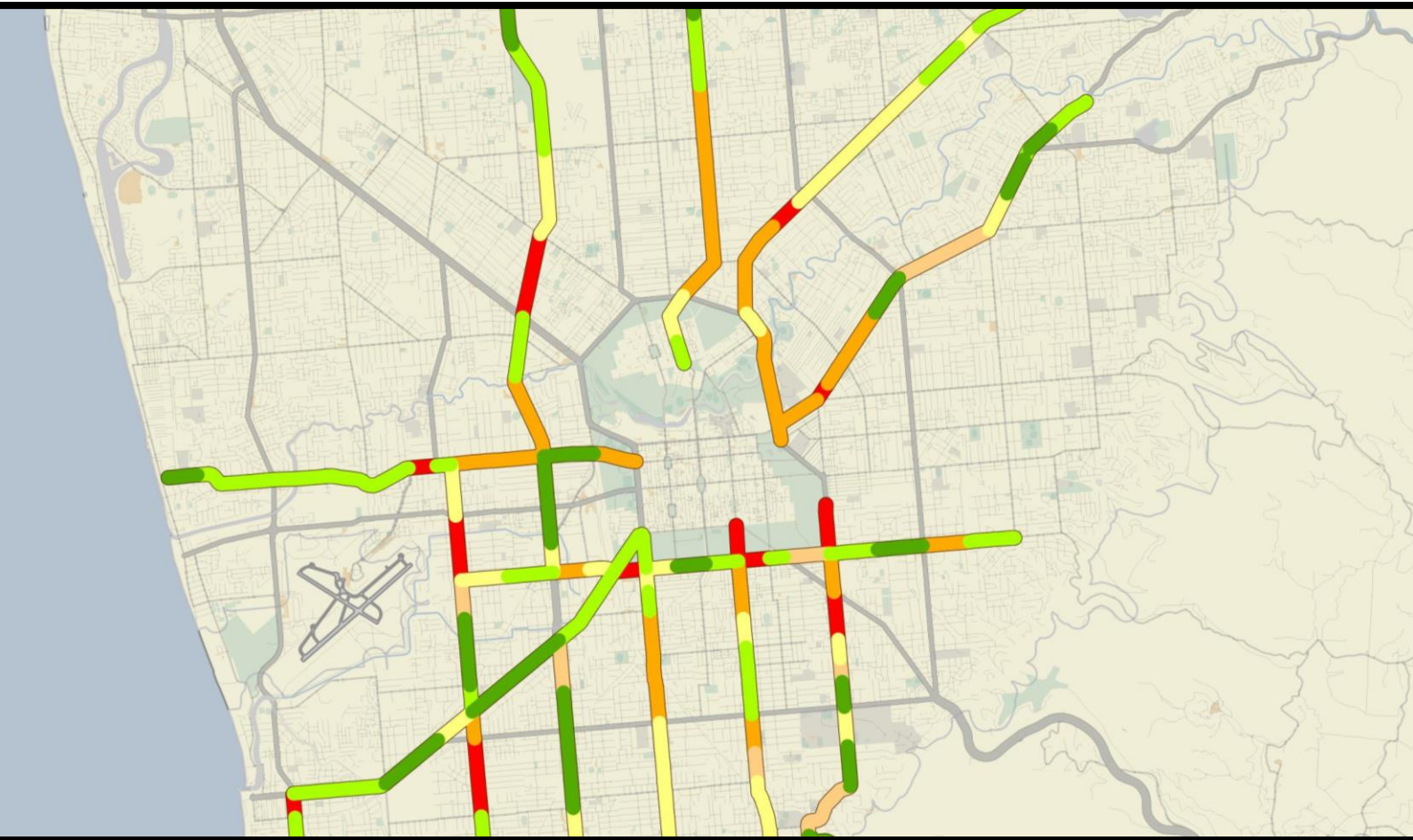


RAA Travel Time 2014 Survey

Results



December 2014



In 2014, RAA's Annual Travel Time Survey again highlights the deficiencies in the major arterial road network that spans across Adelaide. However there were some routes that showed an average speed increase.

Ten out of 12 routes surveyed during the morning peak period failed to meet minimum acceptable standards, while routes during the afternoon fared slightly better with seven out of 12 routes not meeting the standard.

The South Road and Goodwood Road morning travel time survey, which both end at South Terrace in Adelaide's CBD, showed average speed increases when compared to previous years. This could be attributed to the roadworks on the northbound lanes of West Terrace which were in place for most of 2014. It was apparent that many motorists chose to avoid West Terrace, resulting in less congestion in the vicinity.

Travel times for all other surveyed routes during the morning peak took an average of 1 minute and 3 seconds longer than they did 10 years ago, whilst in the afternoon, all travel runs took an average of 1 minute and 42 seconds extra (see table below).

Morning		Afternoon	
Survey	Time Increase	Survey	Time Increase
North East Road	6m25s	Goodwood Road	4m49s
Main North Road	3m53s	Marion Road	3m21s
Unley Road	2m45s	South Road	2m58s
		North East Road	2m49s
		Fullarton Road	1m41s

Average speeds for city bound trips during the morning peak period ranged from 32km/h for the Brighton Road survey down to 23km/h along Lower North East and Payneham Road. North East Road is slowing during the morning commute, particularly before Sudholz Road and then from Hampstead Road, and also from Clifton Street through to Fitzroy Terrace nearing the city, which is having a flow on effect and increasing congestion on Main North Road.

The lowest morning average speed occurred on South Road, between Torrens Road and Port Road where the average speed was 7km/h. Greenhill Road between Goodwood Road and Anzac Highway as well as Brighton Road, between Jetty Road (Glenelg) and Tapleys Hill Road both recorded average speeds of just 9km/h.

For outbound surveys during the afternoon peak period, the range spanned between 36km/h along the new 'northern' South Road surveys which included the Superway, to 21km/h along Greenhill Road. Goodwood Road has slowed in the afternoon commute due to delays between Grange Road and Daws Road. On Marion Road it now takes longer to travel between Sturt Road and Main South Road than it did ten years ago.

The slowest sections of road observed in 2014 were during the afternoon peak period on Main North Road, between Barton Terrace and Fitzroy Terrace which recorded an average speed of 6km/h, and on Marion Road, between Mooringe Avenue and Anzac Highway where the average speed was 8km/h. On Greenhill Road the section from Glen Osmond Road to Fullarton Road also recorded an average speed of 8km/h.

Despite Brighton Road recording one of the slowest sections across the network, it was one of the only routes to experience improvements over the past ten years. Surveys conducted in both peak periods were quicker than they were in 2005, with the morning peak being 3½ minutes quicker and the afternoon survey 2½ minutes quicker; with average speed increases of 3km/h and 2km/h respectively.

The major areas of congestion during the 2014 survey included:

- South Road, between Torrens Road and Port Road, recorded an average speed of 7km/h during the morning peak period. It took an average of 12½ minutes to travel this 1.6km section of road.
- The intersection of Brighton Road and Anzac Highway during the morning peak period where the average speed was 9km/h.
- The section of Greenhill Road between Goodwood Road and Anzac Highway recorded an average speed of 9km/h during the morning peak period. It took 3½ minutes to travel this 0.5km section of road.
- The approach to the intersection of Main North Road, Port Wakefield Road and Grand Junction Road (Gepps Cross Intersection) recorded an average speed of 12km/h during the afternoon peak period.
- Marion Road, between Mooringe Avenue and Cross Road during the afternoon peak period recorded an average speed of 11km/h.
- Payneham Road, from Stephen Terrace to Fullarton Road (Maid & Magpie) recorded an average speed of 14km/h during the morning peak.
- Henley Beach Road, during the morning peak between Airport Road and Holbrooks Road recorded an average speed of 10km/h.

This survey, like others before it, highlights the deficiencies around the Inner Ring Route. An increase in the volume of vehicles that travel it on a daily basis means that large sections of the Inner Ring Route are now at saturation point. Interventions such as grade separation at congested intersections should be considered to alleviate the pressure points at the following intersections:

- Goodwood Road and Greenhill Road
- Port Road and Park Terrace
- Glen Osmond Road and Greenhill Road
- Northcote Terrace and Robe Terrace

Consideration should also be given to increasing capacity on Greenhill Road by lane widening together with the use of intelligent transport systems.

South Road has been a long term priority for RAA, with a focus in recent times to secure funding to complete the section between Regency Road and the Gallipoli Underpass. RAA welcomed the announcement in 2014 that both the Torrens to Torrens and Darlington Upgrade projects would go ahead. Upon completion this is likely to put additional pressure on other sections of South Road so it is therefore imperative that the sections between these two major projects, such as through Castle Plaza and between Henley Beach Road and Richmond Road are upgraded to accommodate the future demand that the forthcoming works will generate.

Slowest Sections

The table below shows the slowest sections of the travel time network that RAA collected data for in 2014.

Morning Peak			Afternoon Peak		
Survey	Section	Average Speed	Survey	Section	Average Speed
South Road	Torrens Rd to Port Rd	7km/h	Main North Road	Barton Tce to Fitzroy Tce	6km/h
Brighton Road	Jetty Rd to Tapleys Hill Rd	9km/h	Greenhill Road	Glen Osmond Rd to Fullarton Rd	8km/h
Greenhill Road	Goodwood Rd to Anzac Hwy	9km/h	Marion Road	Mooringe Ave to Anzac Hwy	8km/h
Henley Beach Road	Airport Rd to Holbrooks Rd	10km/h	North East Road	Rundle St to North Tce	8km/h
Marion Road	Richmond Rd to Sir Donald Bradman Drv	10km/h	South Road	West Tce to Greenhill Rd	8km/h
Fullarton Road	Greenhill Rd to Grant Av	12km/h	Greenhill Road	Hutt St to Glen Osmond Rd	9km/h
Marion Road	Bray St to Cross Rd	12km/h	South Road	Adam St to Port Rd	9km/h
Payneham Road	Harrow Rd to Fullarton Rd	13km/h			

Combined Speeds – All Routes

The table below highlights the average speed for all of the routes that were surveyed by RAA in 2014 for both the morning and afternoon peak period and also lists the corresponding average speed as collected in 2013 and 2005 to allow for comparisons to be made.

Table – Average Travel Speeds, 2014 vs. 2013 vs. 2005

Survey	Average Speed (AM)			Average Speed (PM)		
	2014	2013	2005	2014	2013	2005
Brighton Road	32km/h	29km/h	29km/h	32km/h	27km/h	30km/h
Fullarton Road	24km/h	23km/h	22km/h	27km/h	24km/h	32km/h
Goodwood Road	24km/h	17km/h	23km/h	25km/h	27km/h	27km/h
Greenhill/Richmond Road	24km/h	24km/h	n/a	21km/h	22km/h	n/a
Main North Road	27km/h	25km/h	33km/h	27km/h	26km/h	30km/h
Marion Road	28km/h	28km/h	26km/h	26km/h	26km/h	31km/h
North East Road	25km/h	28km/h	31km/h	32km/h	33km/h	32km/h
Payneham/Lwr Nth East Road	23km/h	21km/h	n/a	29km/h	29km/h	n/a
South Road	29km/h	21km/h	24km/h	31km/h	29km/h	32km/h
Unley Road	26km/h	23km/h	28km/h	27km/h	27km/h	28km/h

