

North-South Corridor Darlington Upgrade Project

**Major bridge installation
Intersection of Ayliffes, South and Shepherds Hill Roads
Friday 7 September – Monday 10 September 2018**



As part of the Darlington Upgrade Project, eight bridges are being constructed to improve connectivity and traffic flow in the area.

The \$620 million project is jointly funded by Federal and State governments (\$496 million federally funded and \$124 state funded). It is due to be complete in 2019.

One of the bridges will be located at the intersection of Ayliffes, South and Shepherds Hill Roads and will carry northbound traffic from Main South Road onto Ayliffes Road.

This fact sheet provides general details of the bridge, how it will be constructed and the partial weekend closure of the intersection that is required for installation of one section of the structure.

The 377 metre long Ayliffes Road bridge is being constructed in two halves.

The southern section of the bridge will be constructed using traditional processes where the structure is built on-site from the ground up. The northern section is being constructed using the 'off-line' method, which involves the structure being built off-site and then transported and lifted into place.

Building the bridge in this way significantly reduces community and traffic impacts and requires only one partial closure of the intersection of Ayliffes, South and Shepherds Hill Roads rather than numerous full weekend closures that would be required if built traditionally.



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Building the bridge

Works have been underway since early this year to construct the southern section of the bridge and prepare for the installation of the northern section.

The northern section is being built in the centre of Main South Road, adjacent Sutton Road and Maidstone Road.

Once complete, this 195 metre long structure will be transported and manoeuvred into its final position using self-propelled modular transporters. To view the bridge move animation visit: <https://www.youtube.com/watch?v=RoErCeakf98>

This installation method is the same as that used for the two new Main South Road bridges over the Southern Expressway.

Partial Temporary Weekend Closure

In order to safely install the bridge, a partial temporary closure of the intersection of Ayliffes, South and Shepherds Hill Roads is required.

The closure will take place from 8pm Friday 7 September to 6am Monday 10 September 2018.

Detours will be in place for motorists via Daws Road, Marion Road and Sturt Road (see map).

Local resident and business access will be available at all times throughout the weekend, as will access for emergency services and bus services.

The maps provided show details of the detours that will be in place for general vehicles, local access arrangements and bus access.

Local resident and business access

Access to residential and business properties will be maintained around the work zone and we have planned our works carefully to ensure that this occurs.

Main South Road and South Road:

- Two lanes of traffic (one lane in each direction) will be provided between Tobruk Avenue and Sturt Road.
- A single southbound lane will be provided along the section of South Road between Tobruk Avenue and Ayliffes Road, St Marys. This will provide left in and left out access at side streets for all properties in this area. Traffic in this lane will be able to turn left into Ayliffes Road but will not be able to continue southbound on to Shepherds Hill Road or Main South Road.
- Tonsley Boulevard will be accessible as per existing arrangements.

Ayliffes Road access arrangements:

- Ayliffes Road will be closed to general traffic between the intersection of Main South Road and Norman Street, St Marys.
- A single eastbound lane will be maintained to provide access to businesses on the northern side of Ayliffes Road.
- Residents of the unit complex at 2 Ayliffes Road will be able to access the units at all times, by approaching in a westbound direction on Ayliffes Road. This access will be managed by traffic controllers.
- All other westbound traffic will be directed to perform a U-turn on Ayliffes Road to head back in an eastbound direction toward Fiveash Drive.

Shepherds Hill Road access arrangements:

- Motorists will not be able to enter Shepherds Hill Road from Ayliffes Road, South Road or Main South Road.
- Shepherds Hill Road will be closed to northbound traffic at Burbank Avenue and will be required to perform a U-turn to head back in a southbound direction.
- Residents at the unit complex at 4 Shepherds Hill Road will be permitted access at all times, by approaching in a northbound direction on Shepherds Hill Road. This access will be managed by traffic controllers.



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Ayliffes Road/South Road/Shepherds Hill Road partial intersection closure
 Detour routes
September 2018



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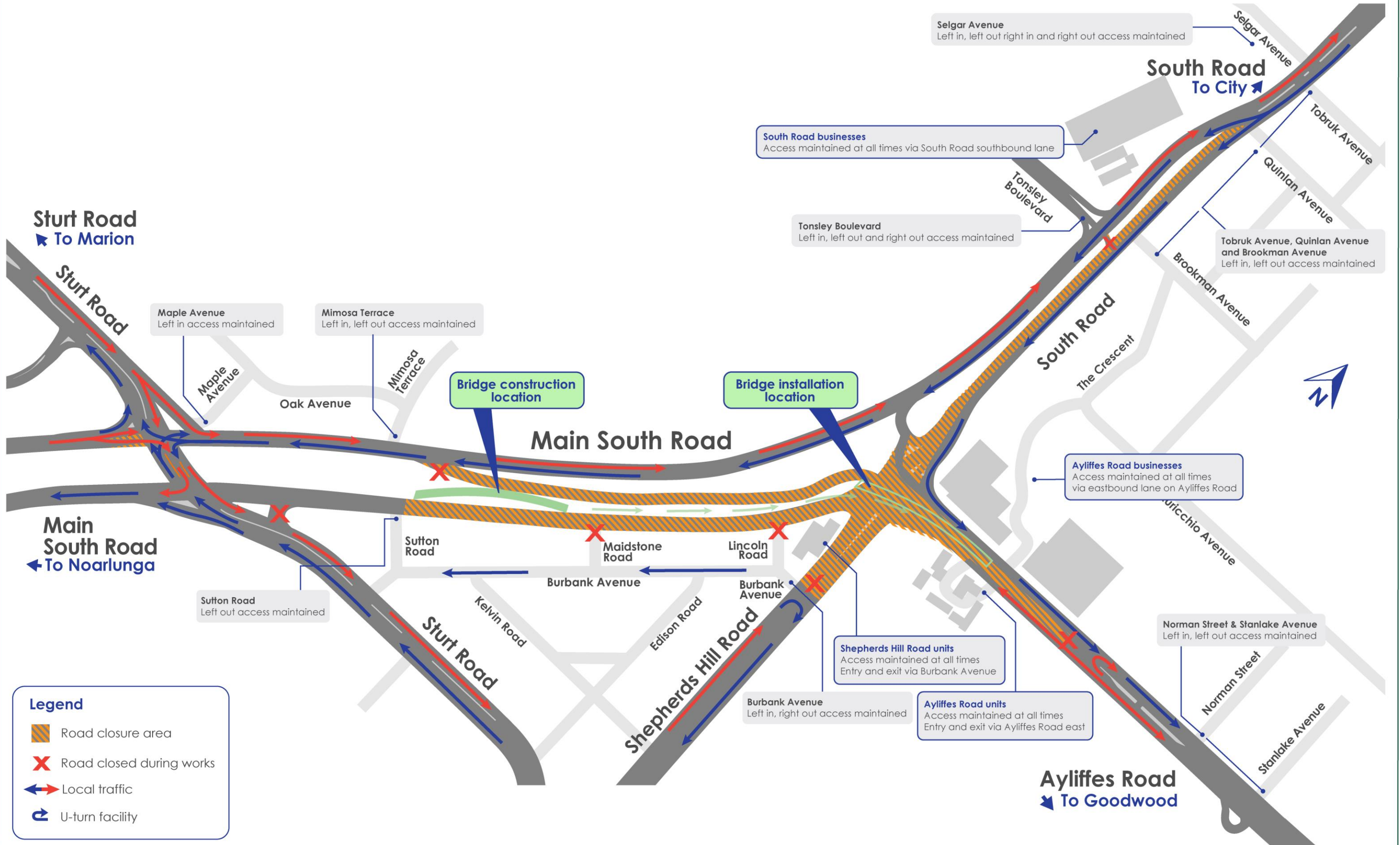
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Ayliffes Road/Shepherds Hill Road/South Road partial intersection closure

Local access arrangements

September 2018



Bus users

Bus services which travel through the Ayliffes Road/South Road/Shepherds Hill Road intersection will be maintained during the weekend, with minor detours in place.

As a result of the detours, some bus stops will not be serviced throughout the weekend. Details are outlined below.

Main South Road and South Road

- Bus stop 26 (southbound) on Main South Road will be temporarily closed
- Bus stop 24A (southbound) on South Road will be temporarily closed
- Bus stop 25A (southbound) on Main South Road will be temporarily closed

Shepherds Hill Road

- Bus stop 25 (northbound) on Shepherds Hill Road will be temporarily closed
- Bus stop 26 (northbound) on Shepherds Hill Road will be temporarily closed
- Bus stop 26 (southbound) on Shepherds Hill Road will be temporarily closed

Ayliffes Road

- Bus stops 24A (eastbound and westbound) on Ayliffes Road will remain open, with buses permitted through via the local access lane.

The plan overleaf provides further detail.

Visit www.adelaidemetro.com.au for information on changes to bus stops and timetables.



Pedestrians and cyclists

Throughout the partial weekend closure, pedestrian access along Ayliffes Road, Main South Road, South and Shepherds Hill Road will remain as per current arrangements. The only exception to this will be that pedestrians will not be able to cross on the eastern side of the Ayliffes Road/South Road/Shepherds Hill Road intersection (i.e. from Shepherds Hill Road to South Road).

The plan overleaf shows pedestrian routes in further detail.

Security personnel will be in place throughout the closure to assist with pedestrian movements and ensure that pedestrians do not enter the work zone.

Cyclists will be detoured via Daws Road, Sturt Road and Marion Road, as per the detour for general motorists. Due to space restrictions and for safety reasons, it is not possible for cyclists to be accommodated on road through the local access lanes.

Emergency and hospital access

Access for emergency services vehicles will be maintained at all times during the partial weekend intersection closure.

This will be via the local access lanes and also through the Ayliffes Road/South Road/Shepherds Hill Road intersection as required, via direction communication with traffic controllers.

It is important to note that Main South Road South of Sturt Road will not be affected by the works, with access as per normal arrangements.

Ayliffes Road/Shepherds Hill Road/South Road partial intersection closure

Pedestrian and bus access arrangements

September 2018





Support our local businesses

Businesses within the work zone on South Road and Ayliffes Road will continue to trade during the weekend's traffic restrictions.

Please continue to support our local businesses during this time.

We'll be watching the weather!

The bridge installation works are weather sensitive; if it gets too windy they will be rescheduled to ensure the safety of our workers and the travelling public.

If this is the case we will advise you in advance and provide you with information on the rescheduled date as soon as we can.

For more information

Call: 1300 759 334

Email: enquiries@gatewaysouth.com.au

Visit: The project site office on the corner of Laffer Drive and Sturt Road, Bedford Park, to speak with a member of the project team.

An animation showing the construction and installation process for the bridge can be viewed on the project website: infrastructure.sa.gov.au/darlington

For real time delay information, please visit: www.addinsight.com.au and download the app.

The project team would like to thank you for your patience while construction works are undertaken.

Interesting facts



Overall bridge length of **377m**

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Bridge piers

More than **1200**
tonnes of steel



400m³
of concrete

