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north-south corridor
southern expressway duplication

Further information

Call: 1300 626 097
Email: dpti.southernexpressway@sa.gov.au
Visit: dpti.sa.gov.au/southern_expressway_duplication
The $407.5 million Southern Expressway Duplication project will transform the one-way reversible expressway into an 18.5 kilometre multi-lane, two-way expressway between Bedford Park and Old Noarlunga by mid 2014.

This expressway is an important strategic route, linking the southern region with the wider metropolitan area and the CBD and is expected to take up to two years to complete.

The new carriageway will be constructed on the western side of the existing roadway and will give northbound traffic two lanes from Old Noarlunga to Reynella and four lanes from Reynella to Bedford Park. The existing carriageway will be used by southbound traffic with three lanes from Bedford Park to Reynella and two lanes from Reynella to Old Noarlunga.

The design and construction works are being undertaken by a Joint Venture involving Baulderstone and Abigroup.

Monthly updates will be provided online, along with advance notice of construction activities for local residents, businesses, public transport commuters and road users throughout the project. In addition, the project team will be working with community groups and local businesses affected by construction.
traffic restrictions

Generally the number of lanes on the expressway will not be reduced during peak periods, however the expressway may be closed during weekends and weekday off-peak periods when required.

Traffic will be carefully managed to minimise disruption for motorists while ensuring the project can progress on schedule. Motorists are advised to allow more time for travel while construction is underway, take care on the road and adhere to speed restrictions, which are in place for everyone’s safety.

Due to roadside hazards, reduced lane widths and a changing road traffic environment during construction, reduced speed limits will be in place along the expressway as required. Safety is a high priority during construction and these speed limit reductions will ensure a safe environment is provided for both workers and the travelling public.

Road users will be notified in advance of any major closures of the expressway or surrounding roads through the project website, traffic updates on local radio stations and local letterbox drops for bridge closures.

design works

Design and construction of the new carriageway is being undertaken concurrently, with the design being continually refined as the project progresses. The expressway alignment and interchange designs have been completed. The design of the landscaping, noise attenuation treatments, pathways and urban design features will be progressively finalised throughout the project.

Directly affected residents will continue to be engaged throughout the design process on specific design issues.

The final design of the new road and interchanges is available on the website at dpti.sa.gov.au/southern_expressway_duplication.
bridge closures

Seacombe Road bridge, Darlington
Completed and open

Majors Road bridge, O’Halloran Hill
Open November 2013

Lander Road overpass, Trott Park
Completed and open

Young Street bridge, Reynella
No closure required

Moore Road bridge, Reynella
Completed and open

O’Sullivan Beach Road bridge, Lonsdale
Completed and open

Flaxmill Road bridge, Christie Downs
From mid July 2013 until early 2014

Elizabeth Road bridge, Christie Downs
Completed and open

Beach Road bridge, Christie Downs
Traffic restrictions from May 2012 to early 2014 with a minimum of one lane in each direction during peak periods until November 2013

Honeypot Road bridge, Hackham West
Closed late October 2013 to March 2014

overpass restrictions

Marion Road overpass, Sturt
Traffic restrictions from May 2013

Sherriffs Road overpass, Morphett Vale
Traffic restrictions from April 2013

path closures

Sugarbush path
From Sept 2013 until Feb 2014

Glenhelen path
Open
Short-term closure required in November 2013 for installation of canopy

Poznan path
Open
Short-term closure required in November 2013 for installation of canopy

Peppermint path
Open
Short-term closure required in November 2013 for installation of canopy

Perry path
Open
Short-term closure required in November 2013 for installation of canopy

Map for illustration purposes (not to scale). Updated October 2013.
minimising the construction impact on residents

Every effort is being made to minimise the impact of construction, however local residents are advised that this project requires the use of heavy, specialised and often noisy equipment.

Residents along the expressway will also notice an increase in truck and vehicle movements in the local area. In addition, access roads are being established within the existing expressway corridor to minimise the impact on the local road network. Dust generated by the construction works will be managed by planting on stockpiles, using water carts and utilising purpose-built access roads where possible.

In all, 2 million tonnes of soil and rock will be excavated from the site and mostly reused in the new works. Soil and materials will be stockpiled along the road corridor and will be incorporated into the landscape design, which is being finalised concurrently with construction.

A landscape feature mound will be developed on the corner of the expressway and Main South Road, Noarlunga Downs utilising soil and rock from the construction site and incorporating the recreation trail and a viewing area at the peak of the mound. Residents and motorists will notice a significant amount of soil being brought to this location and the landscape feature will be finalised later in the project.

night works

Some work may be carried out at night to reduce the impact of works on motorists and public transport users and to ensure works are undertaken as safely and quickly as possible. Night works will be staggered along the road corridor where possible to reduce impacts on residents. Notification of night works will be provided to affected residents in advance of the works.

bridge works

Existing road bridges over the expressway will be extended to make way for the new expressway carriageway.

Similarly, where the new northbound carriageway goes over local roads, new expressway bridges will be constructed.

These are major works requiring the closure of the local road bridges above the expressway for 6 to 10 months.

Expressway overpasses above Marion Road, Sherriffs Road and Lander Road will be duplicated to allow the new carriageway of the expressway to travel over the road beneath.

Traffic will be managed to ensure that at least every second bridge remains open, offering motorists a convenient detour. At the interchange locations, bridge works will be staged to maintain access to and from the existing expressway.

Please refer to the enclosed map for more details regarding the timing of bridge works. The diagrams to the right provide a simple snapshot of the construction process for bridge extensions.
pedestrians and cyclists

Construction will require the temporary, short-term and long-term closure of some pedestrian paths and cycleways along the Southern Expressway and at bridges crossing the expressway.

Where detours are required for construction, signage will be in place to guide pedestrians and cyclists to alternative routes.

The shared use path and veloway will be affected during construction, generally at the following locations:

- between Marion and Seacombe roads
- Reynella interchange (including the Patrick Jonker Veloway and Coast to Vines)
- shared-use path at Beach Road interchange (including Elizabeth Road)
- Coast to Vines (at Hackham).

In addition, five pedestrian bridges will be extended to cross the Southern Expressway by mid 2014. Each extension will take four to six months to complete with some restrictions necessary during construction. Please refer to the enclosed map for more details.

In addition, the online Cycle Instead Journey Planner at [http://maps.sa.gov.au/cycleinstead](http://maps.sa.gov.au/cycleinstead) is an effective way for cyclists in this area to find the best way around closures during construction of the Southern Expressway Duplication.

In addition to the existing veloway and shared path on the eastern side, the project will also deliver a new recreational trail along the western side of the expressway taking advantage of the many formal and informal pathways already in place along this side.

Works will be scheduled to ensure the existing veloway and shared path along the eastern side of the expressway will be available for special events such as the Tour Down Under.

**Snapshot of bridge extension construction process**

**Stage 1** – install temporary barriers, support bridge structure and remove existing soil

**Stage 2** – Install additional bridge beams and abutments, replace road above and extend services
An Environmental Management Plan has been developed to manage the impact on the environment, including the management of:

- water quality (and stormwater management during construction)
- vegetation removal
- Indigenous and European heritage
- noise modelling and attenuation measures, such as noise walls
- air quality, including dust management
- landscaping and urban design.

Landscaping will be undertaken to offset vegetation removals for the project and will include approximately:

- 75,000 amenity plantings (trees and shrubs)
- 1.7 hectares of native revegetation
- Over 200 semi-mature trees

For further information, environmental management fact sheets for the project can be downloaded online at dpti.sa.gov.au/southern_expressway_duplication.

### River Diversions

As part of the expressway works a 300 metre section of the Field River and Trott Park Creek adjacent the Reynella interchange will be realigned to the west.

This will include an extension of the Field River culvert (pipe) under the new expressway carriageway.

In addition, a further 200 metre section of the Field River will be realigned just north of Young Street Bridge.

A key objective of these diversions is to rehabilitate the realigned river sections with native riparian plantings and develop the recreational trail through this area with viewing areas to create a place that the community can enjoy.

The current landscape concepts and further details of the river diversions are available online at dpti.sa.gov.au/southern_expressway_duplication.

### Interchanges

Existing interchanges will need to be modified to create new on and off ramps for the two-way expressway including:

- Main South Road, Darlington
- Marion Road, Sturt
- Panalatinga Road/Main South Road, Reynella
- Sherriffs Road, Reynella
- Beach Road, Noarlunga
- Main South Road, Old Noarlunga

During construction, these interchanges will remain open for access to the existing expressway in peak periods however lane and speed restrictions will be in place.

At the completion of the project, all existing access to and from the expressway will be maintained at each interchange.

More information regarding the design of these interchanges including arrangements for accessing the expressway once construction is complete can be found online at dpti.sa.gov.au/southern_expressway_duplication.

Artists impression of Marion Road interchange (image for illustration purposes). Landscaping will be undertaken during final stages of project.
public transport

Construction works will affect some bus services that use the existing expressway, interchanges and surrounding roads. Bus users are advised to allow for extra travel time during these works.

Extensive planning is being undertaken to manage the disruption and provide public transport customers with as much notice as possible about service changes and route detours.

The following bus services are likely to experience extra travel time, particularly during peak periods, before 9.30am and after 3.30pm, Monday to Friday:

- T748, 750, 751, 751W - between the Beach Road interchange and the southern exit at Old Noarlunga
- 721X, T721, T721X, 722X, T722, 723X - between the Reynella interchange and Bedford Park junction with Main South Road.

Other bus services that use bridges and roads surrounding the Southern Expressway will also be affected by construction works. The closure of bridges or roads will be carefully staged to provide buses viable alternative routes and minimise inconvenience.

further information, feedback, subscribe for updates

> visit: dpti.sa.gov.au/southern_expressway_duplication
> call: 1300 626 097
> email: dpti.southernexpressway@sa.gov.au
> site office: 3 Majors Road, O’Halloran Hill, SA 5158
> post: Southern Expressway Duplication, Department of Planning, Transport and Infrastructure, Reply Paid 1533, Adelaide SA 5001

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To receive the latest news feed from DPTI including project and traffic updates:

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public transport enquiries

For further information about public transport changes:

> check: local bus stop for route and timetable changes
> call: Adelaide Metro InfoLine on 1300 311 108 (7am to 8pm daily). For customers with a hearing impairment please use TTY on 8303 0844.
> visit: adelaidemetro.com.au or an Adelaide Metro Info Centre on Currie Street, Adelaide or at Adelaide Railway Station or your nearest Adelaide Metro Info Bar.