

Project Newsletter

September 2018

New Deagon Deviation open



New overpass bridge at the Deagon Deviation

The Gateway Upgrade North project reached an important mid-year milestone with the opening of the new Deagon Deviation interchange in June now providing long-awaited improvements to the safety and efficiency of the motorway through Deagon.

The new grade-separated Deagon Deviation connection greatly improves safety for motorists by eliminating weaving and merging on the motorway. This brand new connection also helps increase motorway efficiency by separating motorway traffic from local traffic.

The permanent closure of the northbound Sandgate Road on-ramp to the motorway at Boondall was implemented as part of an overall traffic improvement plan that included the traffic switch to open the new Deagon Deviation overpass.

These improvements provide motorists with a number of new travel options through this area:

To Redcliffe:

- ▶ northbound traffic will now exit the motorway and travel over the Gateway Motorway on the new overpass, joining seamlessly with the new northbound Deagon Deviation
- ▶ two new dedicated northbound lanes on the Deagon Deviation will separate Redcliffe-bound traffic from the Gateway Motorway, so motorists travelling to Redcliffe will travel straight along Sandgate Road and onto the new Deagon Deviation without needing to use the motorway.

To Sunshine Coast/north on motorway:

- ▶ motorists connecting from the local road network, including Sandgate Road, can continue straight along Sandgate Road/ Braun Street to access the motorway from the upgraded Depot Road on-ramp
- ▶ the upgrade of the Depot Road and Braun Street intersection, and Depot Road between the motorway northbound on-ramp provides two lanes in all directions to support additional traffic.

Refer to map over page for more information.

Since construction commenced in February 2016:

- ▶ More than 5.1 million hours worked
- ▶ 6,500 people inducted to site
- ▶ 26 major traffic switches
- ▶ 410,000 tonnes of asphalt placed
- ▶ 350 bored/driven piles installed
- ▶ 600 deck units installed
- ▶ 50,000m³ of concrete poured for structures
- ▶ 46 drainage structures installed
- ▶ Around 350 visitors to the Visitor Information Centre
- ▶ More than 335 site tour attendees
- ▶ More than 280,000 community notifications delivered

About the project:

- ▶ involves upgrading the Gateway Motorway to six lanes between Nudgee and Deagon
- ▶ will widen the Deagon Deviation to provide two lanes in each direction between Depot Road and Bracken Ridge Road
- ▶ includes the construction of a new, off-road shared pedestrian and cycle path between Nudgee and Bracken Ridge
- ▶ will enhance safety, ease congestion and improve freight movements on the national network
- ▶ the \$1.143 billion Gateway Upgrade North project is jointly funded by the Australian Government (\$914.18 million) and Queensland Government (\$228.54 million) on a 80:20 split
- ▶ the Department of Transport and Main Roads has engaged Transurban Queensland to assist in managing delivery of the project



Australian Government

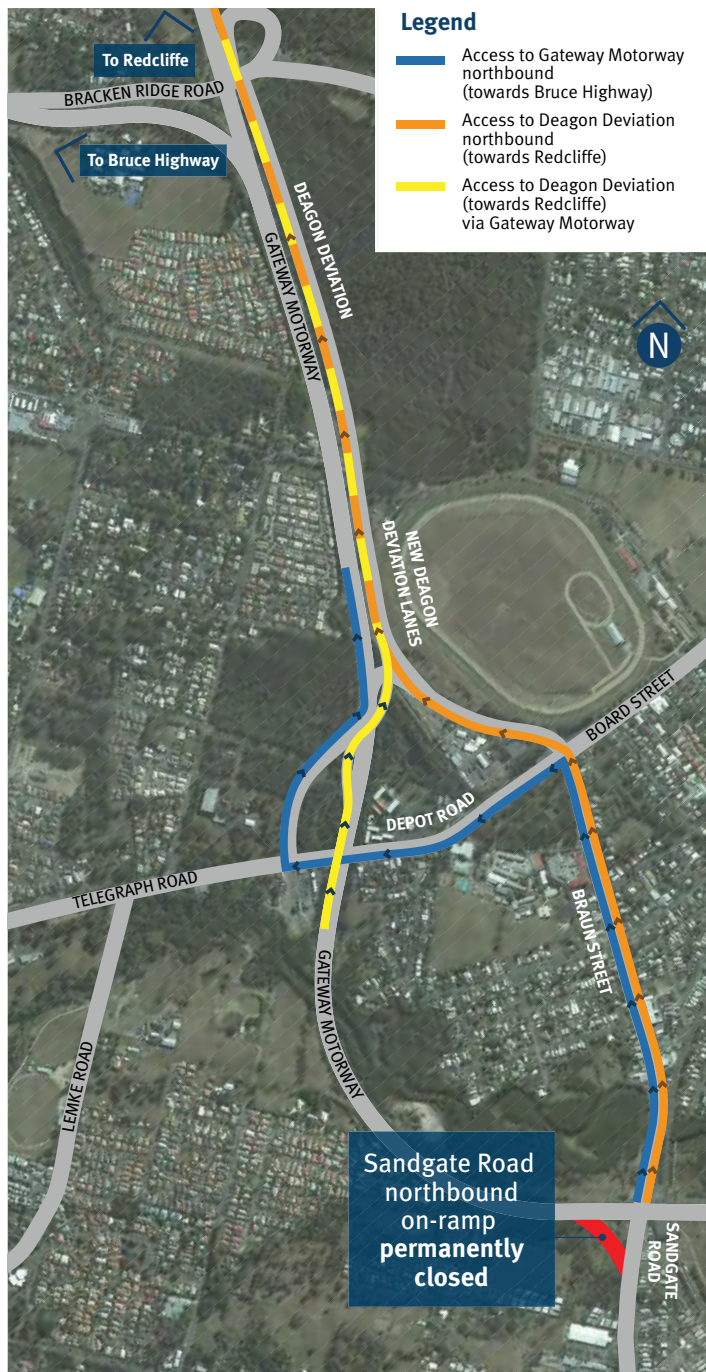
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Queensland Government

Deagon Deviation – options for northbound travel



Noise management continuing

The installation of road traffic noise treatments, including noise barriers, is continuing across the project. These works are now more than 40% complete with the remaining barrier works scheduled for completion by late 2018.



The existing noise wall at Bracken Ridge is being upgraded as part of the project.

Bridges completed

Another important mid-year milestone saw the final bridge deck pour on the Nundah Creek northbound bridge, marking the completion of all of the project’s bridge structures.

Since construction began in early 2016, 13 new or upgraded structures have been built including:

- ▶ widened Bicentennial flyover (completed mid-2017)
- ▶ Nudgee Road bridge (completed September 2017)
- ▶ new northbound bridge and widened southbound bridge over Sandgate Road (completed May 2018)
- ▶ two bridges over Nundah Creek and the new Deagon Deviation overpass (completed June 2018)



The new Nudgee Road bridge



The upgraded Sandgate Road bridge



The upgraded Nundah Creek bridges

Local roads update

Barfoot Street/Bracken Ridge Road intersection works, Bracken Ridge:

Works are continuing to signalise the intersection of Barfoot Street and Bracken Ridge Road with services such as electrical conduits currently being installed under the road. The upgrades of the intersection, which will be completed later this year, will provide additional capacity, ease congestion, and improve safety and connectivity on the local road network.



Bracken Ridge Road and Barfoot Street intersection works

Holroyd and Sandgate Road intersection, Deagon:

With major construction activities and finishing works on the new northbound bridge over Sandgate Road complete, work to signalise the Holroyd Street and Sandgate Road intersection is now underway and due for completion by the end of the project, in late 2018.

Depot Road/Braun Street/Board Street, Deagon:

Work is continuing to upgrade Depot Road from two to four lanes between Braun Street and the Gateway Motorway ramps. The final stage of work in this area has commenced, with a number of traffic changes already in place, including two westbound lanes now operating and a new signalised intersection at the entrance of Sandgate District State High School.



Depot Road/Braun Street/Board Street intersection upgrade is due for completion in late 2018.



One of the new overhead gantries being installed over the motorway southbound lanes at Nudgee.

New overhead gantries improving motorway safety

The Gateway Upgrade North project will improve motorists' safety, reduce congestion and improve travel-time reliability through a number of network infrastructure improvements. An important part of the upgrade includes the installation of nine major new overhead gantries between Nudgee and Deagon.

These motorway gantries combine both static and dynamic electric signs which can be adjusted remotely according to conditions, helping improve traffic flow by communicating important and timely messages to motorists. The new multi-use gantries can be deployed as variable speed limit signs, indicating the motorway's speed limit or speed reductions, or as lane control signs displaying important information such as a flashing red cross, indicating a potential lane hazard.

Some gantries also contain variable message signs to display important road safety messages to motorists, such as current congestion warnings, hazards or weather impacts on the network. These signs can be programmed to change, or can be changed remotely, to reflect current road conditions.

As well as being important signage structures, gantries often support additional Intelligent Transport Systems (ITS) technology such as traffic monitoring systems, automatic number plate recognition software, closed circuit TV and speed cameras.

What's next:

- ▶ Completion of widening works on Braun Street/Depot Road
- ▶ Completion of works at the Bracken Ridge Road/Barfoot Street intersection
- ▶ Completion of new/upgraded noise barriers in Bracken Ridge
- ▶ Completion of road pavement rehabilitation and safety improvements between
- Deagon Deviation and Wyampa Road
- ▶ Opening of the new cycle and pedestrian shared pathway
- ▶ Completion of the Nudgee heavy vehicle rest stop
- ▶ Opening of three lanes of traffic in both directions on the Gateway Motorway
- ▶ Project completion



Helping to restore seagrass habitats

The Gateway Upgrade North project is helping to offset its construction impacts on the environment by restoring and protecting seagrass habitats in Moreton Bay.

The project team is collaborating with Healthy Land and Water to carry out a seagrass restoration program - one of several environmental initiatives being implemented by the project.

The project is providing funding for a total of 115 Environmentally Friendly Moorings to be installed, potentially restoring hectares of valuable seagrass habitat.

The Environmentally Friendly Moorings replace old style boat anchor points with an innovative 'screw pile' and floating line 'tether'. This combination removes mooring components that can damage the seagrass habitat.

Traditional block and chain boat moorings located throughout Moreton Bay continuously drag along the sea floor, ripping out seagrass and associated habitat and eventually causing bare patches.

Seagrasses in Moreton Bay play a critical ecological role as habitat and nursery for young fish, dugongs and sea turtles. Additionally, seagrasses trap and stabilise sediments, helping prevent estuarine erosion.

The seagrass restoration program is helping re-establish the original ecosystem, which will support the local marine life into the future.

ABCN Students

Representatives from the project team helped kick-off the 2018 school year by collaborating with Year 7 and 8 students from Bracken Ridge State High School.

They took part in an eight week mentoring program called *Innovate*, which aims to build students' confidence and understanding of Science, Technology, Engineering and Maths (STEM) subjects and career opportunities that use the knowledge from these subjects.

The project team worked with the students on problem solving activities such as building paper planes, software skills, bridge building and Greek mathematics puzzles.

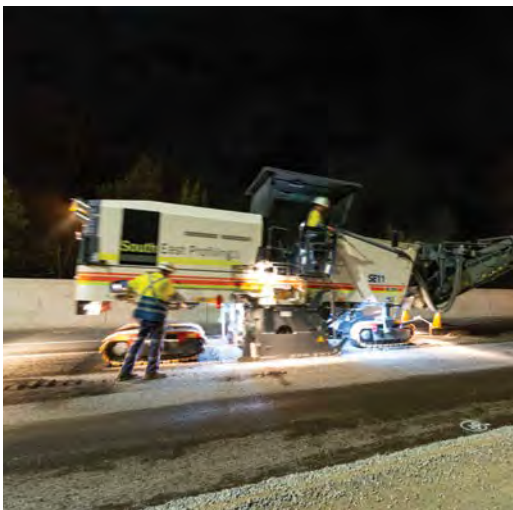
The feedback from the program was overwhelmingly positive, with 95% of participating students better understanding the link between school subjects and STEM careers with 90% saying they were interested in STEM subjects.

Innovate is designed by the Australian Business and Community Network, a not-for-profit organisation delivering mentoring programs and workplace experiences to develop students' skills and mindsets, aspirations and connections.



Year 7 and 8 students from Bracken Ridge State High School worked alongside members of the project team as part of a mentoring program.

Project timeline



Contact details

The project team is committed to working with the community to better understand your views and ensure the successful delivery of the Gateway Upgrade North project.

You can contact the project team via:

- ✉ contactus@gatewayupgradenorth.com.au
- ☎ **1800 607 755 (free call)**
- 🌐 www.gatewayupgradenorth.com.au

For up-to-date project information and to subscribe to project updates visit www.gatewayupgradenorth.com.au and click on the subscribe link.

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