

Pacific Motorway M1/M3 Gateway merge

Construction update

February 2019

Building a Better M1 - New Underwood Road bridge

As part of Building a Better M1, a new four-lane bridge is being constructed at Underwood Road, replacing the existing two-lane bridge.

Constructed to the north of the existing bridge, the new bridge is expected to be completed in mid-2019.

Installation of precast concrete girders for the new bridge deck commenced in January 2019 and will be installed in four sections.

What is a girder?

A girder is a horizontal supporting beam used in construction, typically made from steel, concrete or a combination of these materials.

A girder bridge, like the new four-lane Underwood Road bridge, is constructed by building the bridge deck on top of girders that have been installed on piers and abutments that support the span of the bridge.

The new Underwood Road bridge is being constructed using 52 precast concrete girders with steel reinforcing, across four spans.

The girders, averaging 27 metres in length and weighing an average of 65.9 tonnes, are placed across three piers and two abutments that are supported by 29 bored piles. Following girder installation, a reinforced concrete deck is poured, forming the base for the new asphalt road.



Major M1 detours and night works

Girder installation across the two sections above the M1 lanes will take place from late February 2019, for approximately two weeks.

For the safety of motorists, lane closures are required during girder lifting and installation works.

Due to traffic requirements, and to minimise impacts to motorists, lane closures on the Pacific Motorway are required to take place at night, outside peak periods:

| | Southbound | Northbound and Southbound |
|----------------------------|------------|---------------------------|
| Sunday to Thursday | 9pm – 5am | 9pm – 4am |
| Friday and Saturday | 11pm – 7am | 11pm – 6am |

Major motorway detours will be in place during these works. See maps overleaf for detour routes.



Thursday 21 February – Friday 1 March: Full Motorway closed – northbound and southbound detours



Friday 1 March – Saturday 9 March: Southbound Motorway closed – southbound detour



What to expect

- Motorists can expect some delays.
- Noise associated with work activities and equipment.
- Work will involve the use of construction equipment including cranes, trucks, elevated work platforms and lighting towers.
- Major motorway detours will be in place during these works. Traffic controllers and detour signage will be in place to direct motorists.
- Vehicles and equipment with flashing lights and reversing beepers for the safety of onsite workers.
- An increase in construction vehicles delivering materials and equipment.

Construction hours

Due to traffic requirements, and to minimise impacts to motorists, installation of the two sections of girders above the M1 are required to take place at night from 7pm – 5am, Sunday to Thursday. See times listed overleaf for detour times.

Girders for the remaining two sections will be installed during standard construction hours (from 7am – 5pm, Monday to Saturday).

For more information

For more information about the upgrade contact the project team:

Phone: **1800 571 816**

Email: gatewaymerge@tmr.qld.gov.au

Visit: www.tmr.qld.gov.au/projects

For up-to-date information on traffic conditions please visit www.QLDTraffic.qld.gov.au or call **13 19 40**