PROJECT UPDATE

AUGUST 2025

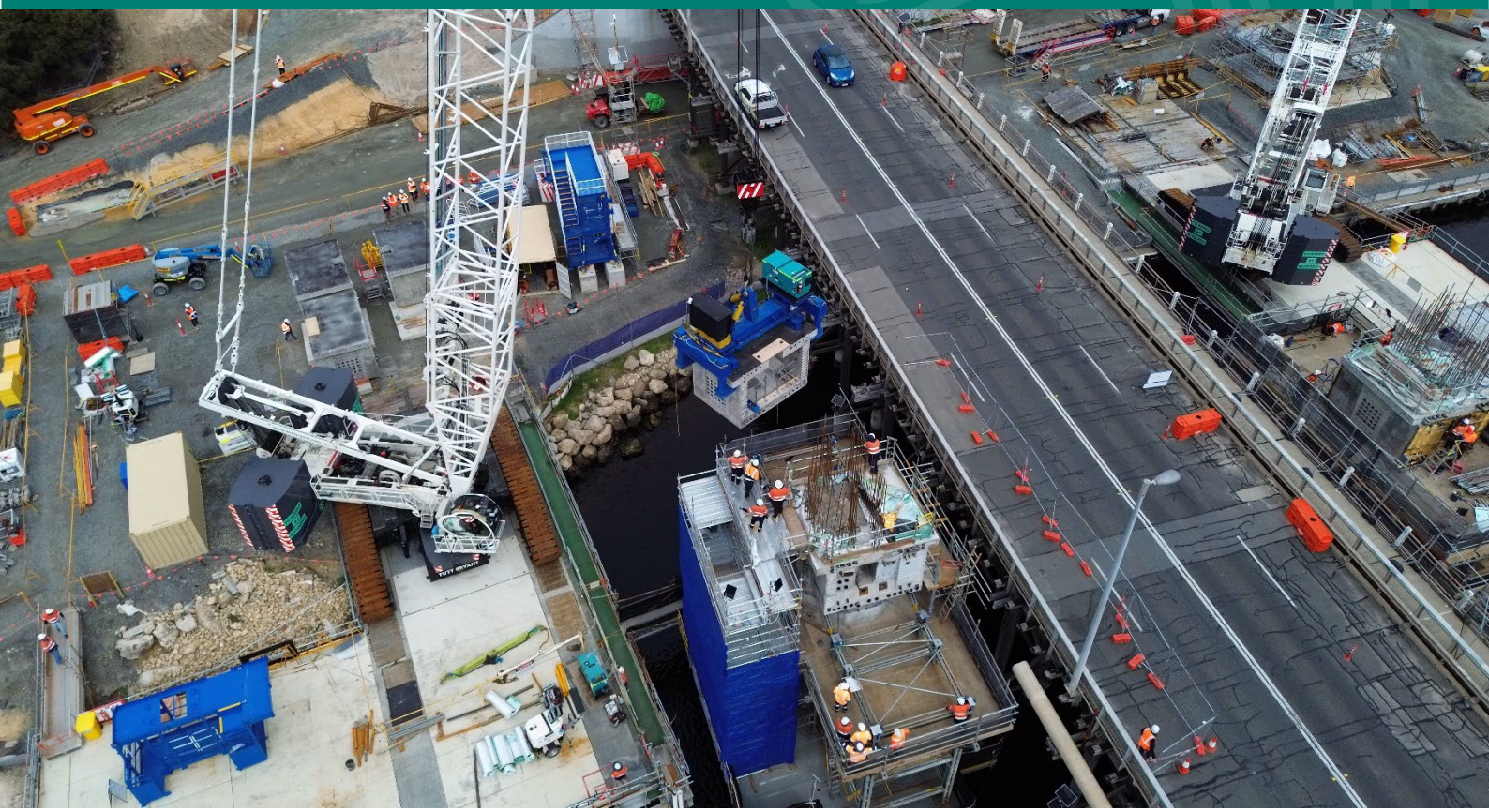
Australian Government

BUILDING AUSTRALIA

mainroads WESTERN AUSTRALIA

Swan River Crossings

Fremantle Traffic Bridge



First bridge beam segment installed

The project has reached another milestone, with the first edge beam segments successfully installed on both sides of the south-east tower. Through carefully planned traffic management, all work was carried out without any disruption to road users.

All four of the bridge's towers continue to take shape and currently sit just above the height of the existing bridge deck. Our community members and bridge users may have noticed that many of the bridge tower components were constructed on site, using an **in-situ concrete pouring method***.

This method avoids the logistically challenging requirements that would be associated with offsite construction and transportation.

***What is in-situ pouring?** This is when concrete is poured on site in its final position, rather than building and transporting a structure made offsite.*

Precast Yard

Our precast yard in Hazelmere is busy manufacturing 166 individual edge beam segments that will form the outer edge of the new bridge. Each segment is approximately three metres tall, five metres wide and weighs between 50 to 85 tonnes. The segments are match-cast, which means each new segment is formed directly against the previous one, resulting in a precise and unique fit.

Figure 1: Edge beam segments at the precast yard.

Project Working Hours

Construction activity will continue to ramp-up to prepare for the upcoming bridge closure, with out-of-hours work required, particularly during early mornings and evenings. For the safety of road users and construction workers, the following activities need to be carried out after hours:

- Early or late start times for concrete pours for towers, segments and pile cap abutments.
- Night-time activities for metal works, including welding steel reinforcements.
- Deliveries by normal and oversize trucks.
- Crane movements, use of light machinery and general site works.

Update on Road Network Changes

Service locating works required to support intersection modifications have been completed. Traffic changes and nightworks are progressing to deliver modification works at various locations across the network, in readiness for when the traffic bridge closes in early 2026. Some trees and vegetation need to be pruned and/or removed to allow space for a drill rig to re-cable various intersections. Professional arborists will be on site and clearing will only be done in areas where drill rigs need to operate.

Business Workshops

Workshops are underway with local businesses to help them plan ahead and prepare for bridge closure. Additional sessions will be held in the coming months. If your business is interested, or you know someone with a business, please contact us to learn more. We encourage the local community to continue to support local businesses prior to and during closure.

Top Community Questions

What are the benefits of installing new CCTV cameras and Bluetooth technology for bridge closure?

Installing Intelligent Transport Systems (ITS) includes using CCTV cameras and Bluetooth devices that will allow Main Roads' Road Network Operations Centre to:

- Actively monitor the network.
- Make changes based on current traffic conditions in the area.
- Provide real time traffic updates, alternative route options and incident alerts to drivers' smartphones.

Click here to learn more Intelligent Transport Systems.

Aside from the network changes released in May, are there any other intersections that will change when the bridge closes?

Yes - two additional intersections will be modified to keep traffic moving. These are:

Stirling Street and Ord Steet Intersection, Fremantle.

- Installation of a temporary roundabout to keep traffic flowing and improve safety. Associated traffic calming will be placed on approaches.
- Construction of a temporary cul-de-sac of Knutsford Street (west of Hampton Road).

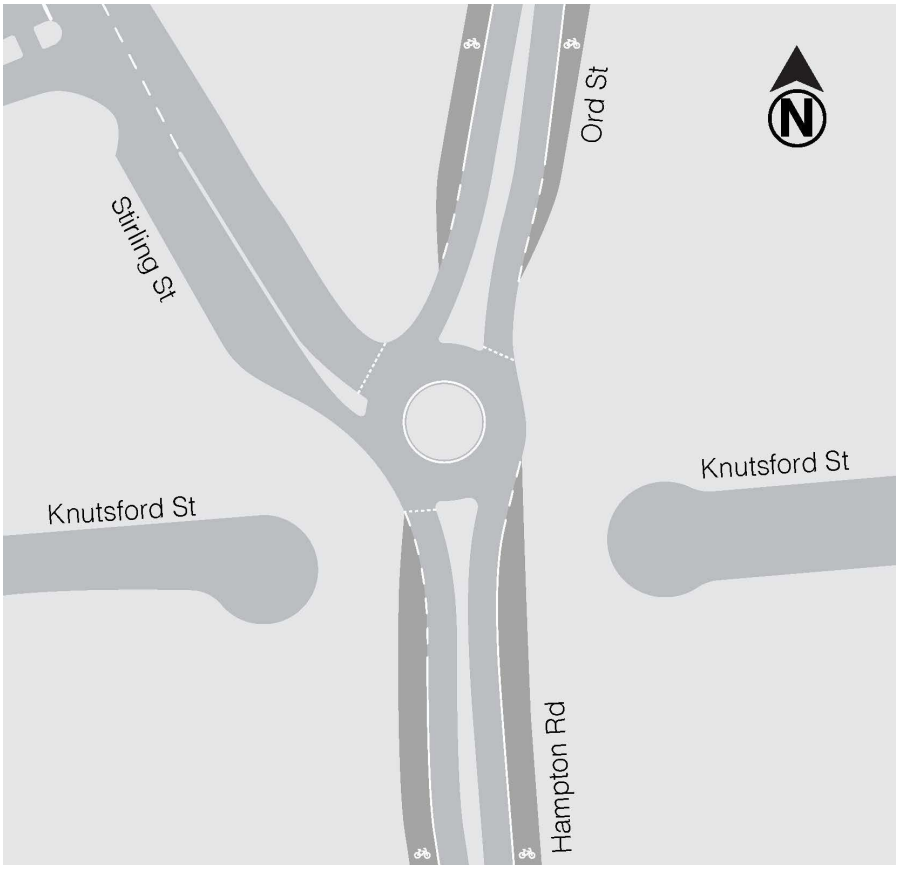


Figure 2: Stirling Street and Ord Street temporary roundabout.

Carrington Street and Marmion Street Intersection, East Fremantle.

- Installation of a dedicated right turn arrow from Carrington Street (southbound) onto Marmion Street (westbound).
- Installation of a new CCTV camera to allow Main Roads to monitor this intersection at all times.

Figure 3: Carrington Street and Marmion Street modifications.

Further Information

Click here to learn more about the Project or scan the QR code.
To sign up for Project Updates, click here.
For enquiries, please phone 138 138 or email enquiries@mainroads.wa.gov.au.