

NOVEMBER 2024



Australian Government

BUILDING AUSTRALIA



mainroads
WESTERN AUSTRALIA

This update contains important information about anticipated upcoming works to occur in November but are subject to change.

Changes in the estuary

Estuary users are reminded that working barges remain in the water, therefore please approach the navigational channel with caution as it is a live construction area. Please observe the **No Wash, No Wake** principle, maintaining a speed limit under 8-knots.

We will be deploying temporary walking platforms between the bridge piers from early November. This is to provide safe access for workers to the new bridge infrastructure. All marine traffic must use the main navigational channel when traversing the bridge and follow markers and temporary buoys that are in place in the estuary, including non-motorised vessels.



Segment launching process commences

The segment launch schedule starts early November from the casting bed area adjacent to Waterlily Drive. 15 individual bridge segments will be formed on site and then each concrete section is pushed over the estuary using an incremental launch process until the bridge section reaches the western abutment, with the bridge span fully across the water.

From early November, the programming for construction of the bridge segments will follow a cyclical approach. Activities will commence from 4am to allow for concrete pours to be done during cooler temperatures to ensure strength and integrity of the structure. The bridge segments will be launched (pushed across the estuary) approximately every two to three weeks. Once each launch is completed the construction of the next segment begins.

Mandurah Traffic Bridge is an example of a bridge that was incrementally launched. A time-lapse video of the construction can be viewed [here](#).

Marine piling ongoing

Marine piling continues in the estuary with works starting on the two piers located to the west of the navigational channel. Residents can expect noise and vibrations from this activity, and the fishing platform will continue to close intermittently when marine piling is occurring as a health and safety precaution. Marine mammal observers will continue to monitor waters while works are undertaken. The project has achieved around 90% of the bridge piling program and anticipates land and marine-based piling will be completed late-November.

Wall construction

Limestone retaining walls will be completed this month in all quadrants apart from Waterlily Drive. Delivery and installation of noise wall posts and panels along Leisure Way and Egret Point Road will occur in November. Nearby residents can expect deliveries of the panels arriving to site during November.

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Western Australia.*

Working outside of normal hours

Concrete pours and associated set-up works will continue with start times from 4am on specific pour days associated with the bridge segments. The project has approval for ad-hoc works to occur on Sunday 3 November and Sunday 17 November to ensure the program remains on track and delays are avoided.

Dust management for warmer months

The team is actively carrying out dust suppressant activities across the project to reduce the impacts of dust from construction works. Water carts will also be used in areas where civil works are continuing and applying dust suppressant to areas that will be undisturbed for a while. When spraying along or within vicinity of limestone or concrete walls, a clear suppressant agent will be used. In other areas that product may be a green-blue colour.

Ongoing traffic management Egret Point Road

As construction works continue on the western foreshore area, there will be ongoing traffic management on Egret Point Road to accommodate safe movement of plant and machinery to and from the western reclamation pad.

Where possible, a stop/slow system will be used. Variable messaging boards will be in operation and updates posted to the Project's [Facebook Community Group](#) and [website](#).

Halls Head Central pop-up display

We will be displaying up to date plans and artwork concepts at a 'pop-up' display at Halls Head Central on Thursday 21 November from 1pm-5pm. Further information will be available shortly and we look forward to meeting with the wider Mandurah community and providing a project update.



What can I expect this month?

- Noise from marine (barge) piling activities
- Active plant, vehicles and machinery moving in and around all sections of the project site
- Form, reinforcement and concrete (FRP) works on the bridge piers and pile caps

Waterside Drive

- Embankment fill and construction of limestone pads to enable piling for noise walls
- Potential noise wall post and panel installation

Waterlily Drive

- Ongoing operation of the casting bed (hand-tools etc)
- Deliveries, concrete trucks/agitators, concrete boom-pumps, and general crane and forklift operations
- Bridge segment concrete pours and associated compaction and screeding equipment

Seahawk Drive

- Construction of precast concrete L-walls and associated back filling operations
- Dewatering activities and equipment set up of associated pumps and spears
- Topsoil and mulch application to wall area

Leisure Way/Egret Point Road area

- Streetlight removal and installation of new lighting
- Stop/slow traffic management for project works
- Temporary footpath removed and the original reinstated
- Noise wall post and panel installation

In the estuary

- Updated positioning of buoys and navigational markers
- Construction barges and support vessels
- Installation of floating walkways and platforms between the piers
- Pier construction works
- Fishing platform construction.

Further information

Jointly funded by the Australian and Western Australian Governments, the \$136 million Mandurah Estuary Bridge Duplication project is delivering a second, two-lane bridge on the south side of the existing structure to provide additional traffic lanes.

A new four-metre-wide shared footpath will also be built to help the local community better access recreational activities. An accessible fishing platform will also be provided on the eastern foreshore.

To stay up to date with the latest project information or subscribe to automatic project updates, visit www.mainroads.wa.gov.au/mebd and join our Facebook Group by visiting [Mandurah Estuary Bridge Duplication Project](#).