

JULY 2024



Australian Government

BUILDING AUSTRALIA



mainroads
WESTERN AUSTRALIA

Mandurah Estuary Bridge Duplication Project Construction Update

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

Pop-up display - Halls Head Central - 4 July

Want to see the up-to-date-plans, artwork and revegetation concepts? Come chat with the project team at a 'pop-up' display at Halls Head Central on Thursday 4 July from 2pm-6pm.

Preparing the casting bed

Works in the casting bed area adjacent to Waterlily Drive continues as we pour concrete foundations, pedestals and construct crane pads. Concrete pours for the casting bed will continue through July as we prepare to cast the large bridge segments that we will start launching across the estuary from early September.

Where possible, we will carry out the majority of works during normal working hours. However, some concrete pours will need to start in the early hours of the morning, even earlier during the summer months, so that the finished concrete complies with structural conformance requirements. Advance notice will always be given to nearby residents for any out of hours work.

The casting yard will remain operational until mid-late 2025. Nearby residents are likely to experience construction noise, truck movements, additional lighting, and vibration from the casting yard. The project team will work with the community to mitigate these impacts wherever possible.



Supporting the bridge

We will soon be building piers and columns that will support the bridge superstructure. The team will be working on the formwork, reinforcement and pouring the concrete elements. This work is mostly performed in the estuary, as materials are fed to the teams off the reclamation pads using cranes and forklifts.

Waterside Drive Boat Ramp access

We will need to close part of the Waterside Drive Boat Ramp carpark towards the end of August / early September for two separate days. We need the space to setup and disassemble vessels and equipment which will be used to install piles for the fishing platform north of the existing bridge. We'll be using a barge-mounted crane to lift and move the equipment from the ramp to the water or onto the barge decks.

Land and marine based piling

Land-based piling will continue into July, along with piles for the fishing platform which extend from the eastern foreshore out to the estuary. These will be driven from the reclamation pads using a land-based piling rig.

www.mainroads.wa.gov.au



*We're working for
Western Australia.*

Marine piling gets underway around mid-August on the five marine piers. Each marine pier consists of six large steel tube piles that are driven, using a barge-mounted crane, into the estuary bed to depths of up to 38m. Marine piling will also be used for the new fishing platform with that barge located near the eastern foreshore.

Wildlife and heritage monitoring

Marine Mammal Observers (MMOs) will be in position to monitor dolphin activity and where necessary follow the appropriate controls to ensure all dolphins and other marine wildlife are not impacted during these activities. Heritage monitors are also engaged for any disturbance works in specific heritage sites, including areas in the estuary.

During all piling works, residents living close to the project and surrounding area may expect loud noise and vibrations which are common with these works, this will be intermittently ongoing until mid-November 2024. The project team will minimise the impacts of noise and vibration as much as possible. We will manage the works program with careful planning, e.g. such as only piling during day shift, always using the quietest equipment available and monitoring noise and vibration.

Limestone retaining walls

Limestone retaining walls adjacent to Seahawk Drive and Waterside Drive, and those adjacent to Leisure Way will be constructed from July. Nearby residents are reminded that as part of the construction process, we need to lower the groundwater level to facilitate the construction of the walls. Water will be extracted from the ground and pumped into nearby limestone holding basins. Sometimes this water can react with the air, have a brown colour in appearance, and a light odour.

What can I expect this month?

- Noise and vibrations from piling activities
- Active plant, vehicles and machinery moving in and around all sections of the project site

Waterside Drive

- Storage of embankment material (sand) for post construction of limestone retaining walls
- Dust suppression applications to reduce the impact of dust on neighbouring residents

Waterlily Drive

- Piling works
- Vibrations and noise from the ongoing establishment and operation of the casting bed
- Noise from concrete trucks, pumps and the crawler crane operations
- Vibration and noise from the commencement of the substructure construction
- Temporary site car park in operation
- Increased delivery traffic on local roads

Seahawk Drive

- Works commencing on the limestone retaining walls including minor clearing

Leisure Way/Egret Point Road area

- Works commencing on the limestone retaining walls
- Clearing works and minor footpath diversions to create future drainage basins

In the estuary

- Construction of the substructure (piers and columns)
- Piling works for the fishing platform

Other service works

Western Power continue working along Waterside Drive and Egret Point Road in the project area as well as separate investigations into existing lighting issues along Mandurah Road and footpaths. These works are unrelated to the project and likely to be ongoing during July.

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 path will also be built to help the local community better access recreational activities. A new accessible fishing platform will also be provided on the eastern foreshore. To stay up to date with the latest project information, please visit www.mainroads.wa.gov.au/mebd and subscribe for project updates. You can also join our Facebook Group, [Mandurah Estuary Bridge Duplication Community Group | Facebook](#).