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Mandurah Estuary Bridge Duplication Project Construction Update

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

Dewatering process for retaining walls

Where the foundation for the retaining walls along Seahawk Drive towards Abbotswood Lake lies below the water table, we need to dewater that area as part of the construction process. Dewatering equipment will be set up and operate in the area day and night during October. Nearby residents may hear pumps running during this time.

Noise wall construction process

As we start preliminary works to build the noise walls, we will be installing initial post footings for the walls along Leisure Way. These will be left for a period of seven days to allow for integrity testing. We expect to take delivery of precast concrete noise wall panels from early to mid-October.

Fishing platform restricted access

While we work on the piers for the new bridge, access to the existing fishing platform will be restricted during piling for safety (noise impacts) reasons. This will continue only while piling is underway between 7am and 7pm. Outside of this activity, access to the fishing platform will be available as normal. The intermittent closures are occurring currently.

Dust suppressant application

We have started applying dust suppressant now that we have moved into the dryer months. While dust on a construction site is common, we utilise dust mitigation strategies to reduce the impacts. As well as dust suppressant we will be increasing the use of water carts on materials that will be undisturbed for an extended time.

To protect your home from dust it is recommended to cover swimming pools and spas, and any outdoor furniture where possible and ensure windows are shut. For more information on dust, refer to the factsheet available on the [Project webpage](#) under the Publications tab.



Temporary steel barrier installation

To ensure safety of our workers and road users during construction works, and to close off access to the bus stops that have relocated, temporary steel barriers will be installed over two days, Thursday 10 and Friday 11 October along Mandurah Road adjacent to Seahawk Drive, Leisure Way, and Waterside Drive.

The barrier installation will occur during the day and motorists can expect minor road lane realignment to direct traffic away from the areas, with westbound traffic reduced to one lane at off-peak times.

Bridge piling works

Piling works continue during October on land and in the estuary. Precast piling for the western abutment and most western pier (pier 7) at Egret Point Road will commence from Monday 7 October, while the marine piling construction is ongoing.

Residents living nearby can expect some loud noise (banging) during the day, and estuary users will see a large barge and smaller support vessels for the construction works in the water.

Working in the estuary

All vessels in the estuary now need to use the main centre navigation channel when passing (coloured green the image to the right) under the existing bridge. This applies to all motorised and non-motorised vessels. Signs, lights, and temporary navigational aids will assist mariners to enter and exit the navigational channel. Floating walkways are being installed between the piers outside of the navigational channel, enabling workers to safely access the work areas. Please observe the 8-knot speed limit. For further details on access restrictions within the Estuary please refer Peel notices on the Department of Transport website (transport.wa.gov.au).



Future streetlights at Egret Point Road

We will soon be installing two new streetlights at Egret Point Road, one to the north of the existing bridge, and the other to the south, to improve street lighting in the area. The existing light pole will be removed once the new lights have been installed so lighting is not reduced. Western Power will be carrying out the works and we will have full traffic management in place.

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. We have approval for ad-hoc works to occur onsite on alternating Sundays to ensure the program remains on track and delays avoided.

What can I expect this month?

- Noise from land-based and marine (barge) piling activities (precast concrete and steel driven piles)
- Active plant, vehicles and machinery moving in and around all sections of the project site

Waterside Drive

- Embankment fill behind the walls using stockpiled sand
- Temporary steel barrier installation

Waterlily Drive

- Ongoing operation of the casting bed (hand-tools etc)
- Concrete trucks/agitators, concrete boom-pumps, and general crawler crane operations
- Fumes, and sparks from welding activities
- Daily deliveries and site parking in operation
- Bridge segment concrete pours and associated compaction and screeding equipment

Seahawk Drive

- Construction of limestone retaining walls
- Dewatering activities and equipment set up of associated pumps and spears
- Embankment fill in between and behind the walls
- Movement of dump-trucks, loaders and rollers to place and compact embankment fill from local stockpiles of sand
- Drainage installation
- Temporary steel barrier installation

Leisure Way/Egret Point Road area

- Temporary steel barrier installation
- Streetlight removal and installation
- Stop/slow traffic management for piling works
- Temporary path removed and original reinstated

In the estuary

- Updated positioning of buoys and navigational markers
- Construction barges and support vessels
- Pile break-back (jackhammering) to precast concrete piles Installation of floating walkways and platforms between the piers

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, 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](#).