

Mandurah Estuary Bridge Duplication



Frequently Asked Questions

General

Q. Who was awarded the contract?

A. Georgiou Group was awarded the contract to deliver this project on 25 October 2023.

Q. Why do we need this extra bridge?

A. Originally constructed in the 1980s, the Mandurah Estuary Bridge was designed with future duplication in mind. The new bridge is being constructed to reduce traffic congestion, improve safety by eliminating the two-way traffic on the existing bridge and to meet future traffic demands of the growing Mandurah Peel Region.

Q. What is the construction timeframe?

A. Early works started in December 2023, and

construction works have since started from January 2024 onwards with geotechnical investigations and the clearing of vegetation. Construction works are anticipated to be complete late 2025.

Q. What type of bridge are you building?

A. A segmental incremental post-tensioned launch bridge. The new bridge will be cast and launched from the eastern foreshore (Dudley Park side), across the estuary to the western foreshore (Erskine/Halls Head side).

Design

Q. When will the detailed design be final?

A. Final design has been completed.

Q. Can community feedback impact design?

A. Yes, there are certain elements that we have sought community feedback on. However, elements such as road geometry and bridge design must meet legal Standards and Codes of Practice.

Q. Has a design already been developed for the new fishing platform?

A. The final design has been completed based on consultation undertaken with key stakeholder groups during the planning stage.

Q. What facilities are planned for cyclist and pedestrians as part of this project?

A. We are constructing a new 4-metre-wideshared path under the bridge along the south side that links back into new and existing infrastructure. The project team will be collaborating with the City of Mandurah and Department of Transport to get the best outcome for cyclists and pedestrians.

Q. Will any of the cycling and pedestrian paths be closed during construction?

A. We may need to close or alter some of the paths during construction, however we will put safe detours in place. These detours will be well signposted and communicated in advance. Detours are also listed on the [Project webpage](#).

Construction

Q. Will the community still be able to walk under the bridge on both sides of the estuary?

A. For safety reasons during construction, we will need to restrict access under the bridge on the eastern side. We may also need to close access on the western side for short periods and will signpost the area in advance to communicate the closures.

Q. Will we still be able to use the playground on the estuary on Waterside Drive?

A. Yes, although we will be working close to this playground, it will remain open during the construction period.

Q. Will the carpark on the west side near the bridge remain open?

A. Yes, this carpark will remain open during construction.

Q. Will you be piling in the estuary?

A. Yes, piles are required as the foundation for the bridge as per the existing bridge. All seven piers for the new bridge will be built in line with the piers for the current bridge. Piling began in late July and finished mid-November 2024.

Q. Will the estuary be closed?

A. The navigational channel will remain open during the works. Any disruptions to the navigation channel will be in strict accordance with the Dept. of Transport/ Marine requirements.

The current Notice to Mariners is available on

www.transport.wa.gov.au/imagery/peel-notice.asp.

Q. Mandurah is renowned for its estuary marine life and dolphins. What will you be doing to ensure they are not disturbed?

A. We follow an approved Waterbody Environmental Management Plan to minimise all noise and vibrations during works in the estuary with marine mammals. We are also engaging trained marine mammal observers (MMOs) during piling works to monitor for dolphins and allow controls to ensure they are not impacted during construction activities. Heritage monitors will also be engaged for any disturbance works in heritage sites, including the estuary.

Q. Can I have a property condition survey?

A. If your property falls within the areas that meets the criteria for a survey, you should have received notification regarding property condition surveys by now. If you have moved into the area recently and are unsure about this contact Main Roads on 138 138.

Q. Can I claim for damage even though I am not eligible for a property survey?

A. If you believe your property has been damaged due to an impact from the construction works, you should contact us immediately and we will discuss the next steps.

Q. How do you manage dust?

A. There will be dust throughout the project, particularly when we are clearing, mulching, and removing topsoil. We have strict dust mitigation strategies to reduce the impact of dust on residents and businesses – including water carts, street sweepers and dust suppressants.

We have also taken baseline readings of air quality in

the area and are continuously undertaking regular monitoring to ensure dust is within acceptable levels.

We measure air quality against the limits established by National Environment Protection Measures (NEPM), the Australian Government - Department of Climate Change, Energy, Environment, and Water, and also the Department of Environment Regulation.

Q. What are you doing about vibration during construction?

A. You may feel vibrations during construction works. We understand these can be unpleasant at times however, they will not always be constant but will depend on the works being performed at the time. Different pieces of plant and equipment will cause different levels of vibrations depending on the proximity of the plant to homes.

Experiencing vibration does not mean structural damage to a property will occur. When completing works that cause vibrations, we use vibration monitors to ensure we are not exceeding the approved levels. We also consider what hours we work and the type of equipment or machinery we use to reduce impacts.

Q. Do you monitor vibrations?

A. The project has at least two vibration monitors tracking the project at all times. The monitors can move to different locations depending on works being undertaken and any community concerns raised.

The monitors send real-time alerts to the project team if activities exceed the acceptable limits. The team will then manage vibrations to ensure they are within acceptable levels.

Q. What are the typical construction hours?

A. Generally, work hours will be 7am until 5pm Monday to Saturday. However, at times may have to work 7am to 7pm on these days to meet program targets. On occasion, there may also be times we are required to work 'out of hours,' which involves night shifts, Sundays or Public Holidays. The project has approval to work alternate Sundays in order to ensure the program remains on schedule.

Works undertaken at night include road works to reduce the impact to motorists. Also, the concrete pours required for bridge construction will occur during

the coolest time of the day (early morning) to meet quality requirements. Nearby residents will be notified in advance if we are planning out of hours works.

Noise

Q. Will you be building noise walls as part of this project?

A. Yes, noise walls will be built as part of this project. Significant noise modelling has been undertaken during the design phase in accordance with State Planning Policy 5.4 to determine which areas require noise walls and the heights of those walls. The exact extent of the wall is determined by Main Roads WA.

Q. Why aren't noise walls being lengthened to the west and east?

A. The provision of noise walls was initially determined by the scope of works provided by Main Roads WA and limited to the areas within the project. Additional walls have recently been included on all four quadrants of the project to protect privacy and provide additional noise buffering.

Q. Will you construct the noise walls first?

A. Yes, wherever its practicably possible we will construct the noise walls first to reduce and moderate road and construction noise. Some noise walls require earthworks and retaining walls to be built first which sit at a lower level to noise walls. This sequence of works will also impact the start of noise wall works.

Traffic

Q. Will there be traffic delays due to the project?

A. There will be some traffic impacts as we construct the new bridge, however, wherever possible, we will work during off-peak times to minimise all traffic impact.

Q. Will trucks be using the local roads?

A. Yes. Trucks need to access local roads during the project, however, where possible we will minimise truck movements in these areas.

Environment

Q. Will there be clearing as part of the project?

A. Yes, we will need to clear vegetation to build the new bridge and prepare for the ultimate design for this area which is three lanes in each direction. When an area of ground is disturbed which is not finished with a sealed surface, such as asphalt, rehabilitation works will be undertaken.

As we've recently been asked to extend the walls along Mandurah Road to further reduce noise, additional clearing will be required. However, we will endeavour to limit the clearing.

Q. How are you managing fauna during vegetation clearing?

A. The project team engaged a fauna consultant to assess the area for fauna habitat. Being an urban environment, and unattractive to native fauna, the area was determined low risk.

The team will continue to monitor the area during final clearing works and assist any fauna encountered to move to a safe and appropriate area away from the works.

Q. What landscaping will be undertaken?

A. Our landscaping design will be one of the final elements of the project to be completed. Western Australian trees and shrubs as recommended by the City of Mandurah, local environmental groups, including those in close proximity to the Project, have been incorporated into our landscaping designs.

Plant selection was also influenced by principles of design related to crime prevention.

Q. What environmental approvals are required for this project?

A. The project has environmental approvals under the EPA 1986, EPBC 1999, Biodiversity Conservation 2016, *Waterways Conservation Act 1976*, CPS 818/16, and *Rights in Water and Irrigation Act 1914*. If the scope of the project changes, we will apply for additional approvals as required.

Q. Have you involved the Bindjareb community in this project?

A. Yes. A Bindjareb Working Group was involved during the early planning stages. These individuals

remained with the project as the Bindjareb Reference Group.

We are also engaging Bindjareb Heritage Monitors to observe the work we are doing along the estuary, a further commitment to our Heritage approvals.

Q. What lighting measures will you be considering during and after construction to minimise impact on the animals?

A. During construction we will be looking at measures to reduce light levels including only using temporary lighting when necessary for safety and security and assessing different lighting options for the required task.

A number of measures will also be considered in the design process to reduce light when works are complete, including covers to reduce light spill and directional lighting.

We are also investigating different types of lower-level lighting that are less intrusive to marine and land animals.

Q. Will the estuary bridge have feature lighting?

Feature lighting is being incorporated into the final design. Feature lighting provides an aesthetically pleasing aspect to critical infrastructure and well as improved safety benefits. Various Perth landmarks (including Matagarup Bridge and the Graham Farmer Freeway tunnel entry) utilise feature lighting which can be used to promote a significant event or appeal.

Further information

To stay up to date with the latest project information, please visit www.mainroads.wa.gov.au/mebd and subscribe for project updates or contact our Customer Information Centre on 138 138 or email enquiries@mainroads.wa.gov.au.

We also encourage you to join the [**Mandurah Estuary Bridge Community Group**](#) on Facebook.

