

Wanneroo Road and Joondalup Drive Interchange Construction Update

Bridge construction underway

A new temporary roundabout at the intersection of Wanneroo Road and Joondalup Drive opened to traffic at approximately 5.45am on Monday 15 July. Following an intensive weekend for our construction crews, the intersection was successfully converted from a signalised intersection into a two-lane roundabout, and works on building the new bridge started almost immediately.

Visit <https://project.mainroads.wa.gov.au/home/> and see timelapse footage of the work undertaken during the weekend.

Stage 2 works

During August 2019, we will start building the footings and installing the piers and abutments in the roundabout, and on either side of the roundabout along Joondalup Drive. There will be short term road closures after hours to ensure the installations are completed safely.

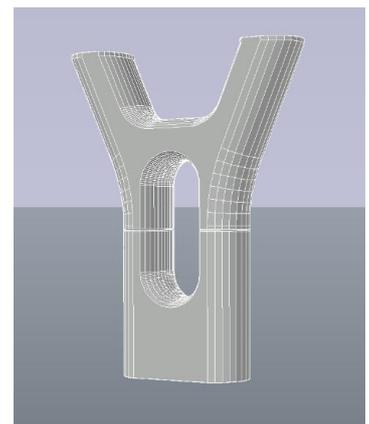
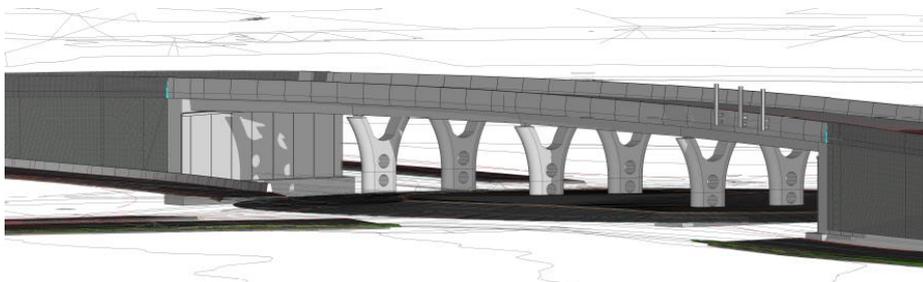
Piers

We are building six piers in total – four in the middle of the roundabout and two on the east side of the roundabout in the middle of Joondalup Drive.

We have already started building the footings, which are approximately 18m by 4m and 1.2m deep. Each footing will support two piers.

Once the footings are complete, a purpose-built mould will be placed on top of each footing, which will enable us to build the bottom half of the pier. The top half is being fabricated off site. When ready, it will be brought to site and placed on top of the other half, completing the pier.

The piers, which will be 7m high and up to 4.5m wide, will support the bridge when complete.



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Abutments

Two abutments will be built on the end of each ramp, in the middle of Joondalup Drive, either side of the roundabout.

Large footings, measuring approximately 18m by 4m and 1.2m deep will be built to hold the abutments in place.

The abutments will comprise Mechanically Stabilised Earth (MSE) wall panels which are 2.38m wide by 8m high. They will be manufactured off site and installed by cranes.



Other works

The ramp walls will also be constructed using more than 240 purpose-built MSE panels during the next couple of months. Once installed, earthworks will commence to build the ramps.

Tunnel boring will take place under the path between Leapfrogs and Drovers (near Pet City) for a new Water Corporation recharge main. This activity will not have any impact on road users.

Out of hours work

Some out of hours works will be required to ensure the piers and abutments are installed safely with minimal disruption to road users. Out of hours works may be undertaken during the following times:

- 7pm to 7am – Monday 5 August 2019 to Sunday 8 September 2019
- 8am to 5pm - Sunday 11, 18, 25 August and Sunday 1,8 September 2019

The waterpipe tunnelling will be undertaken during the following times:

- 7pm to 7am (Monday to Sunday) – Tuesday 6 August to Thursday 31 October 2019

Traffic impacts

As with most major infrastructure projects, road users may incur some delays during peak times. We remind road users to remain patient and drive with care. We also encourage road users to avoid the works area where possible and consider using alternate routes, such as the Neerabup Road exit off the Mitchell Freeway or Pinjar Road off Wanneroo Road.

What to expect: August-September 2019

- Some out of hours work will be undertaken which will include short term road closures.
- Installed piers and abutments may reduce visibility at the roundabout - road users need to take care and drive cautiously.
- The current road configuration will remain the same. There may be small changes, but the impact will be minimal.
- Maximum speed limits will be reduced.
- Crews will be working in the middle of Joondalup Drive and in the roundabout.
- The barriers will remain in place until March 2020.

For more information:

To register for electronic updates, please visit our website at <https://project.mainroads.wa.gov.au/home/> or email us at enquiries@mainroads.wa.gov.au or call 138 138.



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