



# Townsville Ring Road (Stage 5)

## Construction Update – November 2021

Major construction works are underway on the Townsville Ring Road (Stage 5) project. Clearing works and the construction of erosion and sediment control basins is now complete throughout the project site. During the final months of 2021, crews will focus on earthworks and bridge pile installation for the project's four major structures, beginning at the Little Bohle River and finishing with works for the duplication of the William Condon Bridge across the Bohle River.



Erosion and sediment control basins have been constructed as part of works at the new Beck Drive interchange

### Project status

The project team has completed the following works since May 2021:

- site compound and works boundaries established
- vegetation cleared including relocation of native fauna
- 14 erosion and sediment control basins constructed
- design and implementation of temporary traffic management plans including site access gates and concrete safety barriers
- intelligent transport systems including Bluetooth traffic monitors and CCTV installed to help monitor traffic and motorist safety during works
- services relocations at Beck Drive
- earthworks including placing embankment fill for the new carriageway
- piling works at Little Bohle River and Hervey Range Developmental Road.

The \$230 million Townsville Ring Road (Stage 5) project is jointly funded by the Australian and Queensland governments on an 80:20 basis with contributions of \$184 million and \$46 million respectively.



Australian Government

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Queensland Government

## Piling works

The project team is using a 90 tonne multi-purpose piling rig which is supplemented with a smaller auger drill rig to install the piles to construct the project's four major structures including new bridges over the Little Bohle and Bohle rivers and a new overpass of Hervey Range Road.



Piling works at the Little Bohle River

To ensure the piling works are completed efficiently, crews pre-drill holes to depths of four and a half, and six metres. This allows the piles to be placed in position in minutes, minimising the time road users are stopped on the Ring Road while these works are completed safely.

Once the initial pre-drill and placement is complete, the piles are then hammered to the required depth. This method of piling installation is very efficient, and also minimises noise impacts to the surrounding community.

The piles used on the project are pre-cast reinforced concrete with a maximum length of 28 metres and a maximum weight of 18 tonnes. The piles are manufactured in Central Queensland and transported via truck to Townsville, with a total of four piles arriving on site each day. The first delivery of piles was received in September 2021 and deliveries will continue daily until all 192 piles are on site.

By late October 2021, all bridge piles at the Little Bohle River were installed. Piling works are now underway on the overpass at Hervey Range Developmental Road with a planned completion date of mid-November 2021.



Delivery of first piles to site, September 2021



Standing of first pile, 24 September 2021

## Embankment construction

Earthworks commenced across the project site in early September 2021, with material being transported from nearby local quarries. The project team developed an innovative solution to maximise the use of existing material on site for the construction of embankments. This reduced the quantity of material required to be transported to site so works can progress quickly with less construction and traffic impacts. The Townsville Ring Road (Stage 5) project requires 728 thousand tonnes of material to construct six kilometers of elevated embankments for the new Ring Road carriageway.



Hervey Range Developmental Road overpass at the beginning of construction July 2021



Hervey Range Road Developmental overpass October 2021 embankments constructed ready for piling

## Construction by the numbers – May to October 2021



Imported embankment fill:  
145,495 tonnes



Concrete safety barriers  
installed: 2500 metres

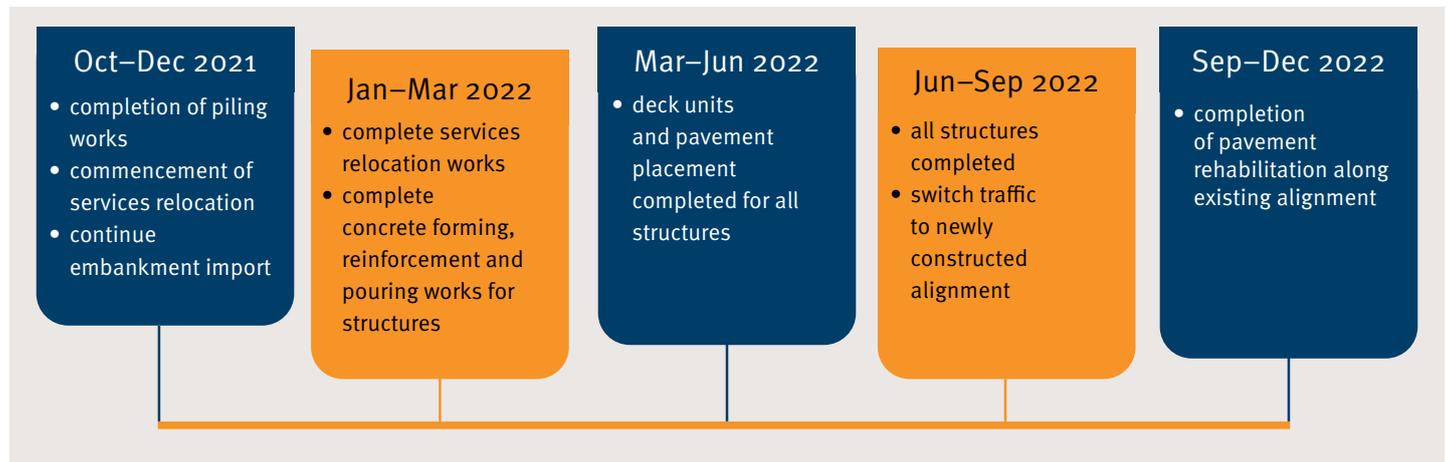


Number of people  
inducted on site: 508



Number of bridge piles  
installed: 58

## Upcoming works timeline



## Stay connected

**For more information or enquiries related to the Townsville Ring Road (Stage 5):**

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**Post:** Reply Paid, PO Box 1089, Townsville QLD 4810

**In person:** Site Office, 329 Hervey Range Road, Bohle Plains

**Subscribe:** To subscribe to electronic updates, scan the QR code or visit the project webpage.



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