

## **Brisbane Road Upgrade**

### **Stage 2, Zone B**

### **Mooloolaba Transport Corridor Upgrade**

Project number: H3747

## **Phase 1 Bridge Construction. Mayes Canal, Mooloolaba**

### **Mid-September – March 2022. Day works**

All works weather and site conditions permitting

#### **About these works**

As part of the Brisbane Road upgrade a new 26.4 metre wide, four lane bridge is being constructed. It will feature shared pedestrian and cycle paths on both sides and have the same clearance as the current bridge.

Landscaping treatments will complement the bridge and connect it to the riverbank, parkland and existing pedestrian pathways.

The bridge will be built in two phases. Phase 1 (eastern lanes) will take place from mid-September to March 2022.

Being mindful of Mayes Canal's location and environmental sensitivities including parkland and marine areas, all construction will be performed under the relevant environmental conditions and management plans. Marine vehicle access will remain available during construction.

Please see the map on page 3 for the location of these works.

#### **Phase 1 Bridge construction indicative program of works**

##### **Late August to early September 2021**

##### **Preparation**

Temporary rock platforms have been erected on both sides of Mayes Canal to provide easy and safe access for machinery including trucks, cranes and piling rigs.

##### **13 September - early October 2021**

##### **Piling works**

The new bridge will be supported by piles. These are reinforced concrete columns that are drilled into rock beneath Mayes Canal. The piles are up to 14.5m long.

The piles will be constructed 'in-situ' where thick-walled metal tubes are hammered into the ground, hollowed out and then filled with steel reinforcement and concrete. Piling rigs and cranes will be in operation.

##### **Late September - December 2021**

##### **Headstocks, abutments and deck units**

Once the piles are in place the bridge headstocks and abutments will be constructed. These are reinforced concrete sections that sit on top of the piles.

There will be two abutments, at either end of the bridge. They will be built using formwork on the ground.

There will be two headstocks suspended in the middle. These will be built using formwork from specialist scaffolding.

Once the piles, abutments and headstocks are in place, precast reinforced concrete sections, known as deck units, will form the span of the bridge. To minimise inconvenience to the community they will be made off-site and then delivered by trucks and craned into position.

## **January 2022**

### **Concrete slab, temporary asphalt, line marking and traffic management**

A reinforced concrete slab is placed on top of the deck units.

It will then be sealed using a temporary bitumen (Asphalt) layer until the final asphalt layer is laid and is ready for line marking.

## **February - March 2022**

### **Traffic switch and demolition of the old bridge**

Traffic will be switched onto the newly constructed two lanes of the bridge.

The old Mayes Canal bridge will be demolished in preparation for Phase 2 of the bridge's construction (western lanes).

We will provide you with details of the demolition timing and Phase 2 bridge works in early 2022.

## **What to expect during these works?**

Building a new bridge is a major construction project.

Intermittent medium-high level noise can be expected during piling works with medium level noise expected throughout other stages of construction.

Large machinery will be in operation.

For safety reasons traffic control boats will be stationed in Mayes Canal during the day to help direct marine traffic under the existing bridge. Marine signage will be in place.

Temporary vehicle traffic management devices and arrangements will be installed along Brisbane Road during Phase 1 of the bridge's construction.

The project team will continue to liaise with adjacent residents and businesses during works.

## **Contact the project team**

For further information, you can contact the project team on 1800 531 597 (during office hours, Monday to Friday 8.30am – 5pm) or email [mtcu@sunshinecoast.qld.gov.au](mailto:mtcu@sunshinecoast.qld.gov.au)



Figure 1 Artist's impression - new Mayes Canal Bridge



Figure 2 Mayes Canal Bridge - Phase 1 Construction