



CIVIL CONTRACTORS FEDERATION
EARTH AWARDS

EAST TAMAR HIGHWAY - MOWBRAY

Connector Roundabout

Date: 2019 to 2020

Principal: Dept of State Growth

Project Value: \$4.0M



TASK

Shaw Contracting Pty Ltd (Aust) were engaged by the Department of State Growth to improve an existing T intersection into a dual lane roundabout under live traffic conditions. Works included:

- Remediation and realignment of significant stormwater structures influenced by the Tamar River
- Realignment of the road network from a T intersection to a dual lane roundabout
- Remediation and improvement of various subgrades noting the poor floodplain nature of much of the material
- Realignment and installation of a new street light configuration noting potential for future upgrades to accommodate traffic lights
- Provision of over 13,100m² of asphalt seal in a heavily trafficked zone
- Provision of new access arrangement for the Launceston Grammar School including extended driveway and associated stormwater improvements.

CHALLENGES

- Traffic Management was a significant challenge for the site noting approximately 30,000 vehicles per day traversed the site. It was also complicated by the multiple traffic management schemes that were required to maintain traffic through the site while completing the works.
- The central Launceston location meant, there were many stakeholders impacted by the works including peak hour travel, oversize vehicles (windfarm components) and traffic from other construction sites. Moreover there were a significant number of services (high pressure gas, 110KV cable and Fibre Optic cables) present within the limits of work of the project requiring additional stakeholder engagement. During the construction time, COVID-19 also appeared which affected the site and ability to complete.
- The works were completed adjacent the Tamar River. While the works did not extend into the river, the river did impact on the work because of tidal influence. Subgrade conditions were significantly deteriorated from original concepts and the design needed to be amended in consultation with the client and designer a number of times to accommodate poor conditions.

OUTCOMES

Shaw Contracting are proud of the outcome of this project for the Department of State Growth and the local community. Our innovative design solutions resulted in our ability to deliver the project during the wetter months of the year which would not normally have been achievable with a typical pavement design.