

Young Street Bridge Repairs



Client: Gladstone Regional Council
Value: \$1.1M
Completed: September 2016

THE PURPOSE OF THIS PROJECT WAS TO REPAIR THE TWO BRIDGES (NORTH COAST RAIL LINE AND THE BARNEY POINT COAL FACILITY) ON YOUNG STREET IN GLADSTONE (QLD) TO INCREASE THEIR SERVICE LEVELS TO THE COMMUNITY AND INCREASE THE DESIGN LIFE OF THE BRIDGES.

THE PROJECT

The scope of works included concrete patch repairs to structurally significant members, repairs to the deck joints, replacement of the deck wearing and footway surface and repairs to the concrete bridge joints on the two bridges.

CHALLENGES

While replacing deck joints and deck wearing courses our team had to work under the traffic while only being able to close one lane at a time. This was addressed by implementing an appropriate traffic management plan.

There were also extensive approval processes that needed to be addressed to gain entry into the railway corridor. By planning our program well, we were able to take these timely processes into consideration and mitigate any delays to our program.

Furthermore, access to the railway corridor was limited due to high frequency train traffic. Here too, meticulous planning was involved to ensure there were no delays to our program of works. By ensuring there was a Track Protection Officer and Authorised Person on site during the works, we could ensure that the works were conducted in an efficient manner.

Finally, the works were conducted under overhead powerlines which meant that appropriately trained and competent personnel were critical to the safety of delivering this project.

EXCELLENCE

By having a comprehensive understanding of the risks associated with traffic management and potential disruptions to train movements, our tender team were able to provide a realistic program and methodology that was successfully delivered by our experienced project team.

The cathodic protection system was successfully installed and the concrete repair works were meticulously completed through an effective process. This, coupled with good planning, a professional team and exemplary supervision resulted in the successful delivery of the project with zero safety incidents, within budget and on time.

The collaboration of the Gladstone Regional Council enabled our team to work effectively together with them to deliver this project, initiating a flourishing working relationship together with the Council.

“COUNCIL APPRECIATES THE QUALITY OF WORK PERFORMED BY VEC.”

- ENGINEER, GLADSTONE REGIONAL COUNCIL

