

Queensland Rail Central West Stage 3



CLIENT: QUEENSLAND RAIL
VALUE: \$10.1M
COMPLETE: MARCH 2018

VEC'S TEAM UNDERSTANDS THE REQUIREMENTS OF ACHIEVING THE HOUR BY HOUR PROGRAM TARGETS TO ENABLE A PROJECT TO KEEP ON PROGRAM, IN PARTICULAR DURING TRACK CLOSURES.

THE PROJECT

This contract consisted of two parts:

- The design and construction for the replacement of 12 rail bridges; and
- The demolition of existing structures, and the replacement of 55 piers under existing rail bridges.

CHALLENGES

This project had relatively short durations in terms of program for a design and construct and lead times in procurement. This meant that the team at VEC had to ensure that orders for precast panels and pandrol items were placed as soon as possible.

The team at VEC were able to overcome these challenges through our knowledge of our product and relationships with our suppliers. We were able to engage our precast supplier early and procure items shortly after contract award.

VEC engaged local suppliers on this project. The project consisted of bridges over a distance of 400km, requiring our team to meticulously plan and coordinate our delivery with concrete suppliers and logistic companies.

The success of this project is a direct result of the coordination of workforce and team on-site. The site teams were able to deliver the works with an excellent level of understanding of their roles and requirements to perform the works, in particular during the track closures.

The ability to replace these bridges within a stringent closure timeframe is a credit to the teams outstanding planning and following procedures and processes created by VEC using our experience and lessons learnt from previous projects. Our team understand the hour-by-hour program, which enables them deliver the works during the track closure.

All bridges were delivered within the track closure period.

INNOVATION

Using VEC's modular construction processes, procured structural items were installed on site. The VEC innovation is found within the main construction process and connections, being the way the piles are connected to the headstocks, and then being connected to prestressed concrete beams.



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