

Kannanook Creek Bridge



Location

Australia

Client

City of Frankston

Project Value

AUD\$1.5 Million

Office Responsible

Cardno Grogan Richards

Responsibilities

Structural Engineering

Project Scope

The Kannanook Creek Bridge is a steel arched pedestrian bridge, spanning over Kannanook Creek, providing access from the car park and foreshore on the south side, to the Kannanook Creek reserve and yacht club on the north side.

The client had a vision for a prominent and imposing structure and the elevated form of the crossover arches with sweeping approach ramps and a convex curve of the bridge deck was developed.

The site is very prominent and the structural elements of the project needed to be sympathetic with the vision of Aspect Melbourne, Architects. This was achieved by working closely with the project team to develop a structural arrangement that worked, was economical, and utilised the arches as a primary structural support.

The structural design utilised the strength of the arches, and suspended the bridge deck with wire cables. The bridge deck consisted of a concrete slab, supported between steel edge

beams.

As the site is located in a very aggressive environment, due consideration was required in the choice of materials and finishes.

The completed project has both a functional purpose and an aesthetically pleasing contribution to the foreshore landscape.

Contact

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