

Boggo Road cycle and pedestrian bridge

Concept Only – Not Final

Cross River Rail will transform the way we travel in the future and the project includes a new shared pedestrian and cycle bridge. The bridge will link the new Boggo Road station and Park Road station with the Princess Alexandra Hospital precinct and the South East Busway.

The bridge will be a game-changer for the local community, providing much-needed connectivity and allowing easier movement on foot, by bike, or by connecting with public transport.

The entrance to the bridge on the western side will be via a grade-separated path off Peter Doherty Street, with the bridge crossing over the rail line and linking into the existing bikeway near the Princess Alexandra Hospital Busway.

The bridge has complex design challenges including safely passing over the freight flyover, while achieving accessibility compliant gradients.

Design

- ✦ An architecturally designed cable stay bridge approximately 480m long with the cable stay spire approximately 45m high.
- ✦ The main deck level is approximately 20m above the ground. The western and eastern approach ramps are 4.65m and the main span is 6.25m wide.
- ✦ The main span of the bridge will consist of five steel girders weighing up to 133 tonnes each. They will be lifted into place by crane to form the main deck.

Construction

- ✦ Construction of the bridge is due to start with early works, inside the Kent Street worksite from March 2022. Construction of the bridge is expected to be complete in late 2023.
- ✦ Some rail and local road access changes will be necessary during construction, with advance notice of works provided. Stakeholders will be kept up to date throughout construction and can contact the team for more information – see overleaf for full details.

Benefits



Faster and more convenient walking and cycling connections



Easier access to the local cycle network



Improved connectivity to public transport services



Key features

- ✦ Lifts on the eastern and western sides
- ✦ Dedicated cycle and pedestrian paths
- ✦ Grade separation at Peter Doherty Street
- ✦ Seating and rest stops
- ✦ Shade and planting at both ends
- ✦ Rail corridor security mesh



Legend

1. New Boggo Road Bridge
2. New underground Boggo Road train station
3. Ecosciences Precinct
4. Boggo Road Gaol
5. Park Road train station & Boggo Road busway station
6. Lifts & stairs
7. Bridge connection to Peter Doherty Street
8. Bridge joins existing footpath & cycleway

The bridge consists of:

- ✦ More than 1600 tonnes of steel
- ✦ 1.2 km of handrail
- ✦ More than 16km of welds
- ✦ 43m tall pylons
- ✦ 683m of cable stay
- ✦ Five individual steel girders with the heaviest weighing 133 tonnes
- ✦ Bridge girders are connected using 448 bolts.

This bridge needs a name!

Keep an eye on our website and social media channels as we will soon be asking the community to submit name ideas.



For more information about the bridge, contact the project team using the details below.



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