

# Position Description – BIM and CAD Technician

## POSITION DETAILS

<b>Department / Team:</b> Information and Technology	<b>Reports to (title):</b> Manager Digital Services
<b># Direct Reports:</b> 0	<b># Indirect Reports:</b> 0
<b>Location:</b> Brisbane	<b>Salary Banding:</b> AO6

## THE CROSS RIVER RAIL PROJECT

Cross River Rail will transform the way we travel to, from and through Brisbane in the future. It is a catalyst for wider rail transformation underway across the South East Queensland and it is already playing a key role in how we prepare for the 2032 Olympic and Paralympic Games.

Cross River Rail is a new 10.2km rail line including 5.9km of twin tunnels running under the Brisbane River and CBD, with four new underground stations at Boggo Road, Woolloongabba, Albert Street and Roma Street. The Cross River Rail Delivery Authority is also tasked with multiple supporting projects and activities, including accessibility rebuilds for eight surface stations, construction of three new stations on the Gold Coast, upgrades for stabling yards, track works and surface rail enhancements, and the introduction of a new world-class digital train signalling system.

Further Information: [www.crossriversrail.qld.gov.au](http://www.crossriversrail.qld.gov.au)

## OUR VALUES AND BEHAVIOURS



### WE COLLABORATE

- We treat each other with respect and speak up when this doesn't happen.
- We share information to help everyone be successful.
- We have honest conversations, no agendas or surprise.
- We are curious, asking questions to understand.
- We work through issues together and help each other.



### WE INNOVATE

- We are inclusive, listening to and encouraging differing views.
- We challenge and push the boundaries.
- We apply and share our knowledge to do better.
- We seize our opportunity to set new standards and benchmarks.



### WE DELIVER

- We act safely at all times.
- We do what we say we will do and when we will do it.
- We understand our individual role and how it fits into the project's success.
- We take responsibility for our work and speak up when we need help.
- We are committed to continuous development and take every opportunity to review, learn and improve the way in which we are delivering the project, learn improve.

## ROLE OVERVIEW

The Digital Engineering team works at the cutting edge of BIM technology in Queensland, providing a crucial role in shaping the Delivery Authority's strategy, which is responsible for all things digital engineering as we move towards completion of this generational project. This team has a focus on addressing technical challenges using digital solutions with a focus on assurance, operational readiness, testing and commissioning, training and familiarisation, operations, and maintenance.

The BIM & CAD Technician is responsible for the implementation, coordination, operation, creation and maintenance of the BIM Model and CAD datasets for the Cross River Rail Delivery Authority (CRRDA).

This is a great opportunity for digital engineering professional who craves new challenges and development opportunities to be involved in a fast-paced and technically stimulating project.

The BIM and CAD Technician role sits within the Digital Engineering team at the Cross River Rail Delivery Authority (Delivery Authority). The position reports to the Manager, Digital Services, and works within the BIM team, working closely with the GIS and 3D visualisation teams.

## KEY RESPONSIBILITIES

The responsibilities of this role are the following:

- Produce BIM & CAD outputs for our major programs of work and developer lead precinct development projects
- Review externally supplied BIM models and CAD files.
- Creation of 2D/3D CAD outputs.
- Support the creation and analysis of CRRDA's federated models.
- Support project reporting and analysis.
- Support the management of CRRDA libraries and templates.
- Support the integration of BIM, CAD, GIS, and 3D visualisation models and datasets.
- Build and maintain productive working relationships with other internal and external stakeholders to ensure BIM deliverables are achieved.
- Support other BIM/CAD tasks as requested by the Manager, Digital Services.

## KEY COMPETENCIES

The successful candidate will be able to demonstrate the following key competencies:

- Previous experience in a BIM/CAD technical delivery role supporting complex or large-scale projects (infrastructure or rail highly desirable)
- Proven experience and proficiency in the use of industry standard digital engineering tools such as Navisworks, Revit, AutoCAD, and Revizto
- Experience and knowledge on the collection, structure and analysis of BIM data with the ability to interpret and report on data
- An ability to multi-task and work well under pressure to meet deadlines with autonomy or within a team environment.