



# Principal Rail Operations Technical Advisor

## POSITION DETAILS

<b>Department / Team:</b> Customer and Network Integration	<b>Reports to (title):</b> Head of Customer and Network
<b># Direct Reports:</b> 0	<b># Indirect Reports:</b> 0
<b>Location:</b> Brisbane	<b>Salary Banding:</b> TRP1

## THE CROSS RIVER RAIL PROJECT

Cross River Rail is a new 10.2km rail line including 5.9km of twin tunnels running under the Brisbane River and CBD that will unlock a bottleneck at the core of the rail network and will transform the way we travel across the whole of Southeast Queensland.

It will include four new underground stations – at Albert Street, Boggo Road, Roma Street and Woolloongabba - through the middle of Brisbane, provide new above-ground stations at the RNA Showgrounds and Dutton Park, upgrade six stations between Fairfield and Salisbury, deliver three new stations on the Gold Coast and introduce a new world-class signaling system to the wider SEQ rail network.

Once Cross River Rail is operational, journeys will be quicker, stations will be in more convenient locations and there will be capacity to increase train services as our population grows. Making public transport a more viable option for the whole region and helping to ease congestion on our roads.

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

## OUR VALUES & 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 curios, 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.



## ROLE OVERVIEW

The Principal Rail Operations Technical Advisor is responsible for providing assurance that infrastructure delivered by the Cross River Rail (CRR) project will achieve its required operational outcomes. This includes validating operational capacity and service outcomes for integration into the wider South East Queensland rail network across Day 1, steady-state and future operating scenarios.

The position provides specialist technical advice and operational assurance to verify that Cross River Rail infrastructure, systems and operational solutions will enable the railway to operate safely, efficiently and as intended across all stages of delivery and operation. The role delivers operational validation, modelling, engineering integration and risk assessment activities, providing advice to support network readiness, capacity, performance and operational outcomes.

The role provides specialist advice and recommendations to support decision-making, identify and assess operational risks and ensure intended functionality is maintained throughout design and delivery phases of the project.

## KEY RESPONSIBILITIES

### Operational Assurance & Integration

- Undertake technical assurance of infrastructure, systems and staging decisions to confirm the railway can operate as an integrated and functional rail system across Day 1, steady-state and future operating scenarios.
- Confirm operational performance, capacity, accessibility and service outcomes can be achieved through the assessment of infrastructure, systems and operational requirements.

### Operational Validation, Modelling & Performance

- Deliver operational validation, modelling and technical assessment activities to demonstrate the railway can operate safely and effectively in accordance with sponsor and business case requirements.
- Provide specialist operational input into timetable development, service planning, scenario modelling and network capacity assessments.

### Engineering & Technical Review

- Review engineering designs, management plans, contractor deliverables and technical documentation to verify alignment with operational requirements and intended railway functionality.

### Risk, Impacts & Optimisation

- Assess operational impacts arising from evolving infrastructure states, transitional operating environments and network constraints, identifying risks and opportunities for optimisation.
- Identify, assess and manage operational risks, assumptions, dependencies and departures that may impact railway performance, developing mitigation strategies and contingency solutions.

### Collaboration & Advisory

- Collaborate with subject matter experts and technical specialists across multiple disciplines to develop operational responses, plans and strategies that support broader network outcomes.
- Provide expert technical advice and recommendations to project teams, senior leaders and stakeholders on matters relating to operational functionality, network readiness and railway performance.



## KEY COMPETENCIES

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

- **Operational Functionality & Rail Systems Expertise:** Demonstrated experience assessing and assuring operational functionality outcomes within complex rail or transport infrastructure environments, with a strong understanding of the interaction between infrastructure, systems and rail operations.
- **Technical Analysis & Problem Solving:** Proven ability to analyse, interpret and synthesise complex engineering, operational and project information from multiple sources, translating technical issues into clear recommendations, risk assessments and practical solutions that support operational outcomes.
- **Operational Planning, Validation & Performance Assessment:** Experience leading or supporting operational planning, modelling, validation activities and network performance assessments, including the ability to interpret modelling outputs and apply findings to operational decision-making and readiness activities.
- **Stakeholder Engagement & Influencing:** Demonstrated ability to build effective working relationships and provide trusted technical advice to a broad range of stakeholders, including operators, asset owners, designers, contractors and government agencies, to achieve alignment on operational requirements and outcomes.
- **Initiative, Delivery Focus & Continuous Improvement:** Highly organised and self-motivated, with the ability to manage competing priorities, work independently in a dynamic project environment, identify opportunities for improvement and drive the delivery of operational outcomes.
- Degree qualification in Engineering or a related discipline, with eligibility for membership of Engineers Australia highly desirable.
- Demonstrated experience in rail operations, rail systems, operational integration, network planning, operational readiness or major infrastructure delivery.