

Position Description



Position Title	Underground Rail Systems Engineering Lead
Position No	00083326
Delegation Level	006
Job Designation	Manager
Organisational Unit	CRR Tunnel Station Development Cross River Rail Program
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	No
Medical Fitness Standard	Refer to relevant business instructions.
Performance Plan Type	Lead Experts and Leaders
Shiftworker	No
Classification (Range)	Contract
Pay Scale Type	Contract
Reports to Position	Senior Manager Technical Integration

QUEENSLAND RAIL VALUES:

- 1 Queensland Rail - We do better together
- Treat others with respect - We appreciate everyone's contributions and differences
- Empower our people - We have confidence in our people
- Act Safely - We work safe, to go home safe
- Make a positive difference - We learn from today, to improve tomorrow

Position Purpose

With respect to the Cross River Rail (CRR) Project, lead the development and management of Asset Management Support Systems for the operation and management of underground rail systems related assets including risk and governance management, asset information systems support and the CRR Project assurance.

The role will be required to interface closely with internal and external stakeholders throughout the project to ensure asset delivery in accordance with contract and Rail Transport Operator's (RTO) requirements.

Position Responsibilities

1. Develop and manage best practice asset systems (including standards, specifications and procedures) appropriate for the safe, reliable, efficient and sustainable operation, maintenance and construction of network infrastructure within legal requirements.
2. Manage the identification and undertaking of all necessary assurance to ensure a safe, reliable, efficient and sustainable network.
3. Develop and manage the systems to satisfy the QR Railway Configuration Change management and Governance Framework requirement as follows:-
 - Prepare Railway Integrity Assurance Plans and Railway Integrity Assurance Reports (as required)
 - Manage the drafting and determination of Safety and Environment Management Systems (SEMS), standards, specifications and procedures where required to document risk treatments for safety risks and legislative requirements; and
4. Maintain a holistic and comprehensive system view that factors in all aspects of technology requirements and business operation that

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- enables greater business successes and customer outcomes.
5. Undertake systems engineering activities through the project lifecycle as required by management - delivering all necessary content and artefacts including defining and scoping customer needs and required functionality, system specifications, concept of operations, validation and assurance and that all project documentation is collected and stored.
 6. Lead the development or technical options, operations concept, system modelling, and concept evaluation leading to a technical solution recommendation that balances both technical and non-technical aspects of the solution.
 7. Implement technical management activities including planning, risk management, and system configuration management to ensure ongoing system integrity.

Additional Factors

The appointee will be required to :-

- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;
- Enter into a term contract;
- Travel intrastate and interstate.

What is the key selection criteria

1. High leadership and strategic direction setting skills including working in a flexible manner in a team.
2. High level of interpersonal and communication skills relevant to managing procurement of professional and technical services and advice.
3. Extensive knowledge of metro style railway systems including Tunnel ventilation Systems, Platform screen door, their interfaces, technical aspects and technical standards.
4. High level of skills to integrate complex technical issues into outcomes with a business focus.
5. Substantial knowledge of governance, risk and compliance and its application to the regulation and risk mitigation for the construction, maintenance and operation of railway infrastructure.
6. Substantial knowledge of railway operations and business imperatives.
7. Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

Pre-employment Checks:

Not Applicable

Pre-employment Qualifications:

What qualifications do I need to hold prior to applying for the position?:

20100190 Bachelor of Engineering

Mandatory Qualifications (If not already held, I will gain these when in position)

40007588 Wunya Induction
30000908 Safely Access the Rail Corridor (QNRP)
40001627 Building Emergency Procedures

Enterprise Qualifications (If not already held, I will gain these when in position)

40009601 Code of Conduct Refresher
40013480 Fraud Awareness Induction

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Health, Safety and Environment Responsibilities

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

Personal Protective Equipment needs:

Refer to relevant business instructions.

Safety Publications

QR Weekly Notice

Annual Safety Plan

C.E.O.'s Safety Statement

C.E.O.'s General Safety Rules

Please Note:

Queensland Rail has a random alcohol and other drug testing program.

Testing can occur anywhere, at any time, on any day.