

Position Description



Position Title	Senior Signalling Construction Engineer
Position No	00071185
Delegation Level	006
Job Designation	Engineer
Organisational Unit	SAR - Tech Support & Planning SEQ Assets
Work Centre	Brisbane
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Tech Professional Expert
Base Hours (Fortnight)	76.00
Shiftworker	No
Classification (Range)	PT5 .1 - PT5 .4
Pay Scale Type	ASPT
Reports to Position	Manager Signal Asset Renewal

QUEENSLAND RAIL VALUES:

1 Queensland Rail - Be One, Proud and Focused
Treat each other with Respect - Be Open, Honest and Supportive
Enjoy what we do - Be Positive, Involved and Enthusiastic
Act Safely - Be Aware, Prepared and Accountable
Make a difference - Be Innovative, Adaptable and Resourceful

Position Purpose

To provide professional leadership and high level specialist technical and project administrative support to the Signal Asset Renewals Manager through undertaking signalling project work in a manner that ensures the integrity and reliability of the constructed signalling system.

Position Responsibilities

1. Organise and plan the technical aspects of highly complex signalling projects and control materials and resources for signalling alterations and installation, monitor progress and manage the work within program and budgetary constraints.
2. Organise and prepare the associated construction strategy, test and commissioning plans to function test complex signalling installations including new technologies and techniques prior to commissioning.
3. Plan and manage closures and associated works and liaise with other sections to ensure works and resources are carried out and utilised efficiently.
4. Provide expert signal technical services to complete projects, organise and control construction activities to ensure the electrical integrity, safety validation, safety notification and efficient completion of the signalling works.
5. Provide signalling construction advice to staff, management and customers regarding technical issues and provide support for the day to day construction activities.
6. Inspect and report regularly on the progress of the signalling construction to ensure all works are carried out in accordance with the relevant standards and practices.
7. Review construction techniques and innovations and documentation requirements to ensure provision of quality product.

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8. Estimate and check signal construction scopes of work and co-ordinate materials and equipment procurement and distribution for signal construction works as required.
9. Mentoring and training of electrical staff including junior technical officers.

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;
- Be available for standby, call-out duties, overtime and relief as required;
- Be available to travel throughout the state as required;
- Be prepared to undertake further training as required;
- Operate in an autonomous manner within policy guidelines by exercising initiative and independent judgement with broad direction given by the Manager Signal Construction.

What is the key selection criteria

1. Extensive knowledge of signalling safeworking principles, practices and procedures, including testing, commissioning practices and procedures and temporary signalling alterations.
2. Extensive knowledge of signalling systems and equipment and the installation and testing standards applicable thereto.
3. High level of management skills in the administration, organisation and supervision required for the installation of signalling systems and equipment.
4. High level of skill in project management principles and critical path analysis and the effect on the construction of signalling systems and equipment.
5. Substantial interpersonal, written and oral communication skills.
6. Sound knowledge of financial management analysis and budgetary control techniques.
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?:

The applicant must hold the following or equivalent:

- 40003802 Provide CPR 12 Mths
- 40003357 Low Voltage Rescue (12 Mths)
- 20300281 Nat Drv Lic C (Qld A < 09.04.96)
- 40010051 G_Electrical Mechanic Licence
- 40010665 G_IRSE TIC Lic/ADip Elec Eng (or higher)

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

- 40007588 All Aboard
- 30000908 Safely Access the Rail Corridor (QNRP)
- 40006426 Apply Fatigue Management Strategies
- 40001627 Building Emergency Procedures
- 40010410 Safety Comes First Always Workshop
- 40005754 Signals Working at Heights - Rescue

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40009729 Delivering a Pre-Start Briefing Network
40008876 Working in the Electrified Territory
40008657 NHS Cat 3 ATTP
40009807 G_Working Safely in the Construction Ind

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

40009601 Code of Conduct Refresher

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

30000912 Communications (QNRP)
30000910 Lookout Working (QNRP)
40003803 Provide First Aid

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:

Head and Face protection
Eye Protection
Hearing Protection
Hand Protection
High Visibility Clothing
Safety Footwear
Sunscreen SPF 15+

Safety Publications

QR Electrification Safety Booklet
QR Weekly Notice
Your Health (Newsletter)
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.