

JOB ROLE STATEMENT**ITS PROJECT CO-ORDINATOR
LEVEL 6**

DIRECTORATE NETWORK OPERATIONS
BRANCH ITS OPERATIONS

POSITION NO P0070473 / P0070474

KEY RESPONSIBILITIES

Co-ordinate and/or perform specialist development, design, end-to-end system testing and integration of Intelligent Transport Systems (ITS) applications and ITS roadside assets State-wide.

KEY DELIVERIES**ITS Specialist Testing and Integration**

- Identify, develop and implement ITS solutions related to traffic systems operation State-wide managed by Main Roads.
- Plan, document, co-ordinate, perform testing and integration activities in line with ITS design and the applicable standards for ITS field assets delivered by internal and external projects.
- Co-ordinate or perform technical troubleshooting, including capture and analysis of device and network communications, monitoring and programming of all components that are part of the ITS systems architecture.
- Co-ordinate or perform configuration of control systems and device-specific software (PHCS).
- Monitor and review performance of ITS assets and functionalities, including extracting and analysing data from control systems, assessing impact on operations, reporting performance to relevant stakeholders and management levels.
- Provide specialist advice in defining of improvement solutions for optimal ITS functionality and operations.
- Provide specialist advice in defining testing criteria for new ITS devices and functionalities in ITS test environment.
- Manage database of new and existing ITS assets that will be delivered or impacted by ITS projects as part of change management and co-ordination with all stakeholders.

ITS Expertise

- Provide specialist technical advice and expertise to ITS projects including ITS research, design, construction, testing and commissioning activities, in areas of electrical, electronics, telecommunications, Information Technology, software, interfaces, communications and civil components.
- Provide specialist technical expertise in the area of communications protocols for ITS devices.
- Provide specialist advice and perform the development and maintenance of standards and guidelines relating to ITS and network operations, including documentation, implementation and maintenance of standard testing and integration processes for all ITS field assets.

Project and Contract Management

- Provide specialist input into technical briefs, projects scopes and contract specifications for the implementation and operation of ITS and technology solutions and upgrade and expansion of existing solutions.
- Participate in the evaluation of tenders.
- Manage time, scope, quality, budget, risks, changes and records for allocated projects or work packages.

Leadership and Management

- Research 'best practice' in ITS and technology solutions, and recommend technology potential to operational teams within main Roads, where suitable.
- Manage financial, technological, physical and other resources within agreed allocations to meet agreed outcomes.
- Manage employee behaviour, performance and development.

Stakeholder Relationships

- Collaborate with internal and external stakeholders, including major transport projects, Congestion Management Program, ITS asset rehabilitation projects, contractors and suppliers, to ensure optimal ITS systems testing and integration.
- Collaborate with internal and external stakeholders, including asset management and maintenance stakeholders, to ensure optimal operational performance of all ITS assets across Main Roads' network.
- Collaborate with State, National and International transport authorities on 'best practice' ITS operations and opportunities relevant to Main Roads traffic operations.

SAFETY, HEALTH AND WELLBEING (SHW)

Responsible for active participation and performance to SHW standards as detailed by the Main Roads' Safety, Health and Wellbeing (SHW) Management System - refer to "SHW Roles and Responsibilities Procedure" on 'iRoads' intranet.

LOCATION

Main Roads is a regionalised organisation with key delivery centres operating from the Kimberley to the Great Southern regions, including the metropolitan area. The incumbent of this position may be required to undertake a role in a region for a period of time.

DYNAMIC RESOURCING

The incumbent of the position may be required to perform any other role within the incumbent's level of skill, competence and responsibility as directed by the Managing Director of Main Roads to meet the organisation's objectives and the incumbent's development.

REPORTING RELATIONSHIPS

This position reports to:

(A) **TITLE AND LEVEL**
ITS ENGINEERING MANAGER

LEVEL 7

POSITION NO
P0063139

ITS PROJECT CO-ORDINATOR LEVEL 6

POSITIONS UNDER DIRECT SUPERVISION

List the position numbers, titles and levels of positions directly supervised

TITLE and LEVEL

TBA

ALL POSITIONS UNDER CONTROL

State number of positions only

POSITION No

CATEGORY

NUMBER

Salaried, Wages

TBA

TOTAL

TBA

SELECTION CRITERIA – SHOULD BE ADDRESSED IN THE CONTEXT OF THE ROLE**ESSENTIAL:**

- Substantial skill, knowledge and experience in:
 - testing and system integration following a systems engineering approach
 - technical troubleshooting of complex end-to-end ITS / SCADA assets and systems
 - ITS design and the applicable standards
 - project and contract management
 - building and enhancing stakeholder relationships
 - managing financial, technological, physical and other resources within agreed allocations to meet agreed outcomes
 - managing employee behaviour, performance and development
- Knowledge of:
 - national and international developments and 'best practice' in disciplines relating to ITS
 - policies and practices on Occupational Safety and Health, and on EEO, diversity and equity
- Possession of a current Western Australian 'C' Class (car) motor vehicle drivers licence or an approved equivalent.

DESIRABLE:

- A Degree in Electrical, or Electronic, or Mechatronics, or Computer Systems, or Systems Engineering.

CERTIFICATION

1. The details contained in this Job Role Statement have been reviewed and conform to Main Roads guidelines.

SIGNATURE



 BRANCH/SECTION HEAD

DATE

01/05/2020

2. The details contained in this document are an accurate statement of the duties, responsibilities and other requirements of the position.

SIGNATURE

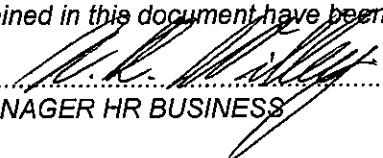

 EXECUTIVE DIRECTOR

DATE

4/5/2020

3. The details contained in this document have been reviewed and conform to Main Roads guidelines.

SIGNATURE


 MANAGER HR BUSINESS

DATE

5/5/20