

JOB ROLE STATEMENT

INTELLIGENT TRANSPORT SYSTEMS INTEGRATION AND PERFORMANCE CO-ORDINATOR LEVEL 6

DIRECTORATE NETWORK OPERATIONS
BRANCH ITS BEST PRACTICE AND OPERATIONS **POSITION NO** P0063205

KEY RESPONSIBILITIES

Co-ordinate and undertake specialist end-to-end system testing and integration of new Intelligent Transport Systems (ITS) roadside assets, monitor performance of all operational ITS assets and services and maintain communications with all ITS project stakeholders.

KEY DELIVERIES

ITS Specialist Testing and Integration

- Plan, document, co-ordinate and undertake testing and integration activities for new ITS field assets being delivered by internal and external projects using best practice in systems engineering.
- Undertake 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.
- Undertake configuration of control systems and device-specific softwares (PHCS).
- Monitor 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, and participating in the definition of improvement solutions for optimal and continuous operations.
- Co-ordinate the management of the ITS test environment for efficient testing of new ITS assets and troubleshooting.

ITS Expertise

- Provide specialist technical advice and expertise to ITS projects as required 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.
- Participate in 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 operations of new ITS and technology solutions and upgrade and expansion of existing solutions.
- Participate in the evaluation of tenders as required.
- Manage time, scope, quality, budget, risks, changes and records for allocated projects or work packages.

Leadership and Management

- Proactively participate in the development of best practices in ITS operations and performance for Network Operations benefits.
- Research best practice ITS and technology solutions and demonstrate technology potential to operational stakeholders.
- 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, Traffic Congestion Management Program, ITS asset rehabilitation projects, contractors and suppliers, to ensure optimal ITS systems testing and integration.
- Maintain list of ITS projects delivering new ITS assets or impacting existing assets for co-ordination of testing and integration activities and for visibility to all stakeholders, including other members of the ITS System Management team.
- Collaborate with internal and external stakeholders, including asset management and maintenance stakeholders, to ensure optimal operations and performance of all ITS assets.
- Collaborate with State, National and International transport authorities on best practice ITS operations, as required.

OCCUPATIONAL SAFETY, HEALTH AND WELLBEING (OSH&W)

Responsible for active participation and performance to OSH&W standards as detailed by the Main Roads' Safety, Health and Wellbeing (SH&W) Management System - refer to "SH&W Responsibility and Accountability 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	POSITION NO
ITS OPERATIONS MANAGER	P0063139
LEVEL 7	

INTELLIGENT TRANSPORT SYSTEMS INTEGRATION AND PERFORMANCE CO-ORDINATOR LEVEL 6

POSITIONS UNDER DIRECT SUPERVISION

ALL POSITIONS UNDER CONTROL

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

State number of positions only

TITLE and LEVEL	POSITION No	CATEGORY	NUMBER
Traffic Systems Engineer	SC LEVEL 2	Salaried	1
TOTAL			1

SELECTION CRITERIA – SHOULD BE ADDRESSED IN THE CONTEXT OF THE ROLE

ESSENTIAL:

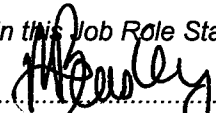
- Substantial skill, knowledge and experience in:
 - testing and system integration following a systems engineering approach
 - technical troubleshooting of complex end-to-end ITS / SCADA assets and systems
 - project and contract management
 - building and enhancing stakeholder relationships
 - managing financial, 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 practices in disciplines pertaining 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:

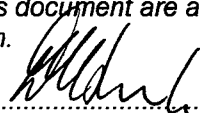
- A Degree in Electrical, Electronic, Mechatronics, Computer Systems or Systems Engineering.

CERTIFICATION

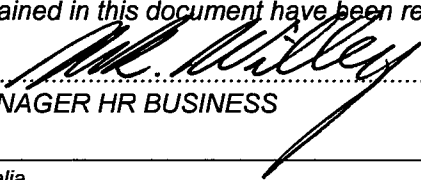
1. The details contained in this Job Role Statement have been reviewed and conform to Main Roads guidelines.

SIGNATURE  DATE 12/12/17
BRANCH/SECTION HEAD

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

SIGNATURE  DATE 12/12/17
EXECUTIVE DIRECTOR

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

SIGNATURE  DATE 12/12/17
MANAGER HR BUSINESS