

JOB ROLE STATEMENT

INTELLIGENT TRANSPORT SYSTEMS ENGINEERING MANAGER LEVEL 7

DIRECTORATE NETWORK OPERATIONS
BRANCH ITS OPERATIONS

CATEGORY 1
POSITION NO P0063139

KEY RESPONSIBILITIES

Manage technical operations, upgrades, expansion and performance of all Intelligent Transport Systems (ITS) and technologies, and integration of new systems and devices, supporting Network Operations Directorate.

KEY DELIVERIES

Systems Management

- Develop, implement and continuously improve systems operation processes for all ITS systems and technologies supporting Network Operations' business functions and business continuity.
- Manage optimal system and device configuration, and incident and defect resolution and management considering operational risks and impacts, and reliability engineering principles.
- Manage delivery of complex system implementation, upgrade or replacement through development, test and production environments based on sound risk assessment, systems engineering based testing and integration processes and user engagement.
- Manage end-to-end data integrity, and high level of availability and reliability across ITS systems and technologies to meet required service levels and standards.
- Manage testing and integration activities using best practices in systems engineering for efficient transition into operations.

ITS Expertise

- Identify and advise on 'best practice' ITS systems and technologies to deliver world class road network operation outcomes.
- Provide expert technical advice on ITS procurement, delivery, design review, best practice and maintenance principles, testing and commissioning.
- Provide expert technical input into development and maintenance of ITS standards, guidelines, functional requirements, specifications, testing and commissioning documents, and other technical documents.
- Implement systems engineering and reliability engineering principles and discipline for ITS life-cycle management.

Project and Contract Management

- Prepare or provide expert technical input into preparation of technical briefs, projects scopes and contract specifications for ITS projects or ITS component of other projects.
- Manage time, scope, quality, budget, risks, changes and records in accordance with sound project management principles.
- Manage multiple internal resources, external contractors, consultants and service providers on multiple projects or contracts including contract management of ITS control systems.

Leadership and Management

- Contribute to formulation of Branch and Directorate Business Plans.
- Contribute to developing and positioning the ITS Best Practice & Operations Branch as a Centre of Excellence in ITS.
- Continuously develop, lead and manage a team to deliver Business Plan and other agreed commitments.
- Manage financial, technological, physical and other resources within agreed allocations to meet agreed outcomes.
- Manage employee behaviour, performance and development.

Stakeholder Relationships

- Engage, collaborate and maintain effective working relationships with internal and external stakeholders, internal service providers, contractors and consultants, and various projects and programs delivering ITS roadside assets.
- Liaise with state, national and international road and transport authorities, research agencies and associations concerning ITS.

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

MANAGER INTELLIGENT TRANSPORT SYSTEMS OPERATIONS

LEVEL 8

POSITION NO

P0062848

INTELLIGENT TRANSPORT SYSTEMS ENGINEERING MANAGER LEVEL 7

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
ITS Project Co-ordinator (x2)	LEVEL 6	Salaried	2
ITS Integration and Performance Co-ordinator	LEVEL 6		1
TOTAL			3

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

ESSENTIAL:


- Comprehensive skill, knowledge and experience in:
 - management of mission critical systems including change management of systems and applications
 - systems engineering in an Intelligent Transport Systems environment
 - project and/or contract management relating to delivery or management of complex end-to-end technology solutions
 - 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 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:

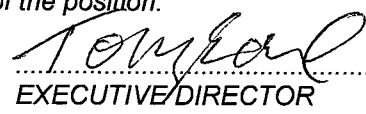
- A tertiary qualification in Electrical or Electronic or Computer Systems Engineering or other related discipline.

CERTIFICATION

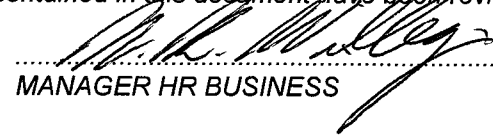
1. The details contained in this Job Role Statement have been reviewed and conform to Main Roads guidelines.

SIGNATURE  DATE 16/08/2021
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 16/8/21
EXECUTIVE/DIRECTOR

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

SIGNATURE  DATE 17/8/21
MANAGER HR BUSINESS