

JOB ROLE STATEMENT

MANAGER INTELLIGENT TRANSPORT SYSTEMS OPERATIONS LEVEL 8

DIRECTORATE
BRANCH

NETWORK OPERATIONS
INTELLIGENT TRANSPORT SYSTEMS OPERATIONS

CATEGORY 1
POSITION NO P0062848

KEY RESPONSIBILITIES

Manage the specification, technical performance and future proofing of Intelligent Transport Systems (ITS) that support Network Operations Directorate in effectively managing the Western Australian road network.

KEY DELIVERIES

Intelligent Transport Systems Strategy, Architecture, Roadmap and Big Data

- Manage the specification, technical performance and future proofing of the ITS strategy, architecture and roadmap to support the efficient management of the Western Australian road network.
- Manage the development, implementation and maintenance of systems that support the use of big data for Network Operations management of the Western Australian road network.
- Manage the research, design, development and implementation of 'best practice' standards for ITS utilised by Main Roads.
- Ensure that ITS 'best practice' and research is maintained and included into the overall business plan and roadmaps to improve the management of the Western Australian road network.

Intelligent Transport Systems Technology

- Define operational readiness requirements to optimise new ITS technologies and for project delivery upgrades to existing ITS.
- Provide expert advice to the Executive Director Network Operations (EDNO) in the development, implementation and subsequent operation of the most effective ITS technology to manage the Main Roads network.
- Support the design, construction and operation of Smart Freeways.
- Manage the co-ordination, design and execution of ITS projects for the installation, maintenance and upgrade of existing technologies in collaboration with Infrastructure Delivery Directorate, Metropolitan and Southern Regions, Central and Northern Regions, Information Management and Finance and Corporate Services teams.
- Manage the assessment of ITS technologies and determine the most suitable ITS technologies to meet business needs.
- Manage ITS operations support for software, software licencing, upgrades and decommissioning.
- Manage the development, implementation and review of policies, systems and processes in relation to ITS operations.

Leadership and Management

- Lead the Centre of Expertise for the performance and delivery of ITS technology.
- Lead the team in providing subject matter expertise in ITS.
- Lead the ITS project innovations and organisation to ensure alignment of ITS with improvements in network management.
- Ensure ITS standards are met and the program of works is in line with future proofing ITS performance.
- Manage financial, technological, physical and other resources within agreed allocations to meet agreed outcomes.
- Manage employee behaviour performance and development.

Stakeholder Relationships

- Build and enhance professional working relationships with internal and external stakeholders.
- Collaborate with the wider Main Roads' business, Transport Portfolio partners and industry in order to ensure appropriate ITS solutions are considered for road projects.
- Collaborate within Main Roads and the Transport Portfolio to develop business cases which give consideration of ITS solutions.
- Establish key ITS vendor relationships to support successful deployment of new and upgraded ITS technologies.
- Develop and maintain professional networks with ITS industry for awareness of 'best practice' and possible inclusion of suitable systems into Main Roads' ITS operations and ITS program initiatives.

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
DIRECTOR REALTIME AND ITS OPERATIONS

LEVEL 9

POSITION NO
P0062324

MANAGER INTELLIGENT TRANSPORT SYSTEMS OPERATIONS LEVEL 8

POSITIONS UNDER DIRECT SUPERVISION

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

TITLE and LEVEL	POSITION No	CATEGORY	NUMBER
ITS Solutions Architect	SC LEVEL 4	Salaried	1
ITS Engineering Manager	LEVEL 7		up to 6
Network Operations Planning Manager	LEVEL 7		1
TOTAL			Up to 8

ALL POSITIONS UNDER CONTROL

State number of positions only

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

ESSENTIAL:

- Extensive skill, knowledge and experience in:
 - development and implementation of ITS strategy for road network traffic operations in a major city
 - managing the technical specification, performance and operations of ITS for large and complex road network operations
 - development and/or operations of Smart Freeways projects
 - big data systems integration and operations
 - managing financial, technological, physical and other resources within agreed allocations to achieve agreed outcomes
 - managing employee behaviour, performance and development
 - building and enhancing stakeholder relationships
 - negotiation and facilitation
- Knowledge of:
 - 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 Electronic and Communications Engineering.

CERTIFICATION

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

SIGNATURE

BRANCH/SECTION HEAD

DATE

11/6/18

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

SIGNATURE

EXECUTIVE DIRECTOR

DATE

11-6-18

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

SIGNATURE

MANAGER HR BUSINESS

DATE

12/6/18