

JOB ROLE STATEMENT

SENIOR NETWORK OPERATIONS ANALYST LEVEL 6

DIRECTORATE NETWORK OPERATIONS
BRANCH NETWORK OPERATIONS AND ANALYSIS **POSITION NO** P0062870 / P0062976

KEY RESPONSIBILITIES

Perform specialist analysis of factors affecting road network performance and operation (beyond those established by using conventional traffic and transport modelling) for the North or South areas of the Metropolitan Network and monitor and report on network performance. Development and delivery of tools to identify factors affecting road network operations (Causes) and establish their impacts (Effects).

KEY DELIVERIES

Network Analysis

- Provide specialist analysis and description of operational insights relating to performance of the road network.
- Develop and implement tools to identify road network operations (Causes) and establish their impacts (Effects) in particular:
 - mathematical tools to model impacts of interventions on the road network
 - mathematical tools to model supply and demand in relation to road space
 - tools to model the cost of congestion under different network conditions and quantify and predict the economic impact of road projects (i.e. development of project cases)
 - tools and models to understand and predict impacts of potential improvements relating to network operation beyond those measurable through traditional traffic/transport modelling tools
- Develop design briefs and specifications for tools and systems for operational analysis of the road network (i.e. Cause and Effect Analysis).
- Design and deliver a “Value Driver Tree” for use by the Network Operations Directorate.
- Review and analyse historical network performance data to understand key factors affecting performance achieved.

Network Performance Reporting

- Perform network performance monitoring, analysis and reporting, at localised, route, sub-area and area levels (as required) and provide specialist advice to support effective management of the road network.
- Provide specialist advice, ad-hoc monitoring, reporting and analysis to the Network Operations Analysis Manager and Senior Managers on matters affecting the road network performance such as operational changes, road treatments and congestion relief initiatives.
- Prepare and report on a periodic basis, operational network performance against Key Performance Indicators (KPIs).
- Provide specialist advice on the various operational levers to support operational network management and to meet network, area and route performance targets.
- Provide specialist advice to identify impacts of congestion relief projects on traffic 'bottlenecks'.

Leadership and Management

- Project manage internal resources, external consultants or contractors, and form and lead working groups across the business as required.
- 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 collaborative working relationships with internal and external stakeholders.
- Develop and maintain working relationships with internal and external stakeholders for technical knowledge and expertise in traffic monitoring and data systems.

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	POSITION NO
NETWORK OPERATIONS ANALYSIS MANAGER	LEVEL 7 P0062856

SENIOR NETWORK OPERATIONS ANALYST 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 Salaried, Wages	NUMBER
			TOTAL

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

ESSENTIAL:

- Substantial skill, knowledge and experience in:
 - technical data analysis and reporting
 - data collection, complex databases and model development utilising data from various sources
 - mathematical modelling and operational research
 - delivering technical presentations and information to groups and individuals
 - 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:
 - standard analytical tools and methods
 - 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:

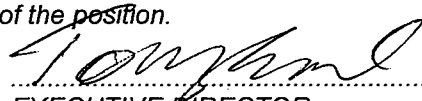
- A Degree in Engineering, Science, Mathematics or Statistics.

CERTIFICATION

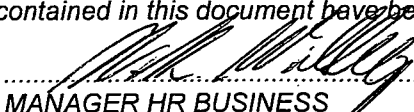
1. The details contained in this Job Role Statement have been reviewed and conform to Main Roads guidelines.

SIGNATURE  DATE 10-6-2016
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 10.6.16
EXECUTIVE DIRECTOR

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

SIGNATURE  DATE 13/6/16
MANAGER HR BUSINESS