

JOB ROLE STATEMENT

NETWORK OPERATIONS ANALYST LEVEL 5

DIRECTORATE NETWORK OPERATIONS
BRANCH NETWORK PERFORMANCE

POSITION NO P0062977

KEY RESPONSIBILITIES

Provide specialist support for analysis, modelling and monitoring of road network operations across the Perth metropolitan network and report on performance. Provide specialist support for development and delivery of research tools to identify the causal factors affecting road network operations and establish their impacts.

KEY DELIVERIES

Network Analysis and Development of Tools and Models

- Provide specialist support for analysis of traffic, behavioural and environmental data.
- Identify and report on operational insights relating to network performance.
- Provide specialist support to the Network Operations Analysis team to operate and maintain analysis tools which:
 - model the impacts of interventions on the road network
 - model the cost of congestion under different network conditions
 - forecast the economic impact of road projects
 - forecast the results of potential network improvements
- Provide specialist support in the delivery of a set of “Value Driver Models” for the use in road network operations.
- Conduct economic analysis in order to understand the cost of traffic congestion on network’s performance on any given day as well as the cost of congestion to support the impact of proposed changes i.e. for project business cases.

Network Performance Reporting

- Perform network performance monitoring, analysis and reporting, at localised, route, corridor and area levels and provide advice to support effective management of the road network.
- Provide specialist support and ad-hoc monitoring, reporting and analysis to the Senior Network Operations Analyst. (SNOA) and the Network Operational Analysis Manager (NOAM) on matters affecting the road network performance such as operational changes, road treatments and congestion relief initiatives.
- Provide specialist support for preparing and reporting on a periodic basis, operational network performance against Key Performance Indicators (KPIs).
- Conduct assigned tasks to review historical traffic data and report on the key factors driving network performance.

Stakeholder Relationships

- Build and enhance collaborative working relationships with internal and external stakeholders.
- Develop and maintain collaborative 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**
SENIOR NETWORK OPERATIONS ANALYST

LEVEL 6

POSITION NO
P0062976

NETWORK OPERATIONS ANALYST LEVEL 5

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 |
|-----------------|-------------|----------|--------|
|-----------------|-------------|----------|--------|

TOTAL

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

ESSENTIAL:

- Considerable skill, knowledge and experience in:
 - technical data analysis and reporting
 - data collection, data cleansing and database development
 - mathematical modelling and programming
 - building and enhancing stakeholder relationships
- Knowledge of:
 - standard analytical tools such as R, SAS or Python
 - 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, or Computer Science, or Mathematics, or Statistics.

CERTIFICATION

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

SIGNATURE DATE
 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
 EXECUTIVE DIRECTOR

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

SIGNATURE DATE
 MANAGER HR BUSINESS