

JOB ROLE STATEMENT

ASSET MANAGEMENT MODELLING AND ANALYTICS MANAGER LEVEL 7

DIRECTORATE REGIONAL MANAGEMENT AND OPERATIONS
 BRANCH NETWORK MANAGEMENT POSITION NO P0070122

KEY RESPONSIBILITIES

Develop, implement and manage Asset Data Systems and modelling applications to support corporate strategic and operational Asset Management (AM) decision making.

KEY DELIVERIES

Asset Management Modelling and Analytics

- Manage the research, development and implementation of AM information requirements to ISO 55 000 Standard.
- Develop and manage decision support systems and applications including business intelligence, data analytics and visualisation tools.
- Manage the research, development and application of pavement modelling tools (e.g. dTIMS) to better predict future pavement needs and the impacts of various funding scenarios on customer service levels and asset sustainability.
- Facilitate the knowledge of the use of AM decision support systems and applications for AM, evaluation of project proposals, program integration and route planning, and optimisation of decision making.
- Provide expert advice relating to the development and use of AM information requirements to meet corporate objectives.
- Monitor and review the effectiveness and suitability of current AM information and decision support applications, including the inter-relationship of data and information from various systems.
- Develop and provide AM performance information and reports to internal and external stakeholders including Main Roads' Annual Report, State Parliament, State Treasury, National Transport Commission and other federal transport agencies.
- Assess future AM information and decision support needs, including integration of AM decision support systems with information elements within related corporate information systems (e.g. asset inventory, condition, finance, road safety).
- Manage training in the use and application of AM decision support systems.

Leadership and Management

- Provide leadership in the review and enhancement of AM systems and applications and data requirements across Main Roads.
- Manage projects and consultants.
- Manage financial, technological, physical and other resources within agreed allocations to meet agreed outcomes.
- Manage employee behaviour, performance and development.

Stakeholder Relationships

- Collaborate with AM practitioners to identify user requirements, system improvements and provide support for AM function Main Roads wide.
- Collaborate with other corporate stakeholders including Information Management Branch, Asset and Geospatial Information Branch, Road Safety Branch and the Regions to develop a consistent and efficient whole-of-organisation approach to the delivery of AM information, data and other requirements.
- Collaborate with external stakeholders to understand AM information requirements and potential improvements in the provision of AM information and data, including whole-of-organisation approach to delivery of AM information systems and requirements.
- Liaise with internal and external experts and stakeholders on the development and updating of network deterioration and whole-of-life cycle costing models.

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	LEVEL 9	POSITION NO
DIRECTOR NETWORK MANAGEMENT		P0058634

ASSET MANAGEMENT MODELLING AND ANALYTICS 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
Asset Modelling Co-ordinator (title in review)	LEVEL 6	Salaried, Wages	up to 2
Senior Statistician (title in review)	LEVEL 6		up to 3
TOTAL			Up to 5

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

ESSENTIAL:


- Comprehensive skill, knowledge and experience in:
 - developing, implementing and managing asset data systems including one or more of asset modelling, maintenance management information systems, decision support systems, data analytical tools or similar
 - use of business intelligence and analytics tools for discovering operational insights and intelligent decision making
 - facilitating and presenting analytics results in a compelling and understandable format
 - 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:
 - road network asset management
 - policies and practices on Occupational Safety and Health, and on EEO, diversity and equity

DESIRABLE:

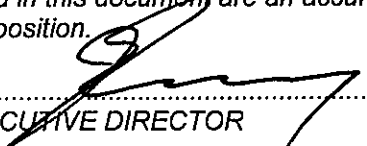
- A Degree in Analytics or other relevant discipline.

CERTIFICATION

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

SIGNATURE  DATE 8/6/2018
 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 13/6/2018
 EXECUTIVE DIRECTOR

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

SIGNATURE  DATE 18/6/18
 MANAGER HR BUSINESS