

# JOB ROLE STATEMENT

## SPATIAL ANALYST GIS LEVEL 5

**DIRECTORATE** PLANNING AND TECHNICAL SERVICES  
**BRANCH** ASSET AND GEOSPATIAL INFORMATION **POSITION NO** P0059780

### KEY RESPONSIBILITIES

Provide specialist Geographic Information Systems (GIS) support to Main Roads in a variety of road asset data and spatial information activities to support corporate business objectives.

### KEY DELIVERIES

#### Asset Information and GIS Specialist Support

- Provide specialist technical support in:
  - access to spatial data and information to meet client and customer needs in a GIS and web based environment
  - management of corporate spatial data, including the development of data management plans, metadata, data integrity and audit plans
  - development of GIS integration between the corporate road information database and other Main Roads' business systems
  - using hosted GIS Services to deliver GIS capabilities to internal and external customers
- Provide specialist technical support with extraction and provision of spatial asset data to meet Main Roads' business and road asset systems requirements.
- Develop mobile GIS applications to support field staff in the capture and maintenance of Main Roads' assets.
- Maintain the Main Roads' cloud based environment.
- Provide specialist technical support with audit and data management of Main Roads' engineering grade data.

#### Research and Development

- Research current and emerging technologies and opportunities in the GIS industry and recommend improvements.
- Investigate and report on innovative methods of utilising spatial technologies to improve the management and operation of the road asset.

#### Training and Improvement

- Provide user training in the use of Main Roads' GIS mapping systems.
- Provide support and training to Main Roads' field staff in the use of mobile GIS applications.
- Provide training and development to spatial science graduates.
- Contribute to promotion and improvement of GIS skills and usage and spatial data awareness within Main Roads.
- Provide support with the review and improvement of existing GIS business processes.

#### Stakeholder Relationships

- Liaise with internal and external stakeholders to identify current and future organisational spatial information needs.
- Build and enhance collaborative relationships with internal Main Roads' clients.

### OCCUPATIONAL SAFETY, HEALTH AND WELLBEING (OSH&W)

Responsible for active participation and performance to OSH&W standards as detailed by the Main Roads' Safety, Health and Wellbeing (SH&W) Management System - refer to "SH&W Responsibility and Accountability 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 |
| SENIOR SPATIAL ANALYST | LEVEL 6 | P0061261    |

## SPATIAL ANALYST GIS 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

Salaried, Wages

TOTAL

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

**ESSENTIAL:**

- Considerable skill, knowledge and experience in:
  - maintaining corporate spatial data in a cloud based GIS environment and associated applications
  - maintaining of corporate spatial data in a local network environment
  - delivering mapping support and data analysis tools using spatial technologies in an open access environment
  - co-ordination of major and minor spatial project deliverables
  - building and enhancing stakeholder relationships
- Knowledge of:
  - integrating GIS technology into corporate information environments
  - 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 Geographic Information Science or other related discipline.

**CERTIFICATION**

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

SIGNATURE

*Wayne Connell*  
BRANCH/SECTION HEAD MAGI

DATE

*15/11/17*

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

SIGNATURE

*Joseph Morgan*  
EXECUTIVE DIRECTOR

DATE

*15/11/17*

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

SIGNATURE

*M. Wallis*  
MANAGER HR BUSINESS

DATE

*16/11/17*