

JOB ROLE STATEMENT**MULTIMEDIA VISUALISATION DESIGNER
LEVEL 4**

DIRECTORATE NETWORK OPERATIONS
BRANCH TRAFFIC AND ROAD NETWORK PERFORMANCE **POSITION NO** P0070634

KEY RESPONSIBILITIES

Develop visualisation outputs in various media formats and from various operational inputs (including traffic models, road designs (AutoCAD), videos and technical specifications) for use by Main Roads to help communicate complex technical concepts to a non-technical audience.

KEY DELIVERIES**Visualisation**

- Design and deliver visualisations of complex technical concepts.
- Visualise project outcomes through a variety of techniques and formats, such as:
 - infographics
 - 2D and 3D renders
 - animations
 - video
- Research and select a suitable visualisation source and software that solves visualisation/communication barriers with audiences.
- Create and maintain a cloud based library of visualisations, ensuring visualisations are always available and easily accessible.

Projects

- Develop a visualisation workflow, to ensure a consistent and measurable approach to visualisation on projects.
- Provide visualisation support to a wide range of projects, such as:
 - development of policies and guidelines
 - reporting on network performance
 - road improvement projects
- Support the development of a digital twin for the Perth Metropolitan State Road Network by providing visualisation schemes for use in:
 - traffic modelling
 - asset maintenance
 - training in virtual environment

Research and Development

- Continuously improve the visualisation capability of the Network Operations Directorate, through the exploration and testing of software and techniques, and by participating in technical forums.
- Investigate the integration of visualisation techniques with the latest technology, such as virtual and augmented reality.
- Develop and deliver visualisation training to the Network Operations Directorate to improve the understanding and use of visualisation by project teams.

Stakeholder Relationships

- Liaise with project stakeholders within Network Operations and the wider organisation to understand the purpose and context of visual outputs on projects.
- Contribute ideas for the communication of topics and visualisation methods to be used to project teams.
- Support technical staff and project teams to improve their understanding of visualisation and how it can be used.

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**
OPERATIONAL MODELLING AND VISUALISATION MANAGER LEVEL 7 P0062855

MULTIMEDIA VISUALISATION DESIGNER LEVEL 4

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:

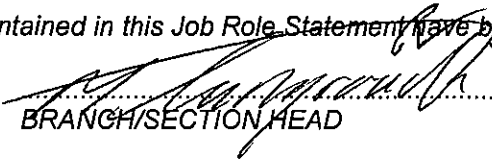
- Sound skill, knowledge and experience in:
 - designing and presenting visualisations of complex technical concepts that easily communicate content to technical and non-technical audiences
 - creating infographics and 2D or 3D renders as video and image outputs
 - animation techniques
 - source control systems e.g. computer programs and technical data and storage
 - preparing technical documentation
 - building and enhancing stakeholder relationships
- Knowledge of:
 - and understanding of virtual reality industry techniques and new technologies
 - 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 Diploma in Screen and Media (Animation and Game Art).

CERTIFICATION

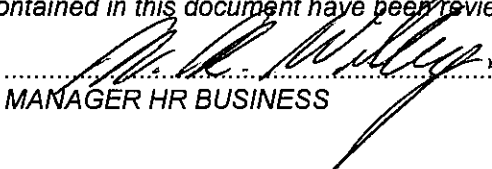
1. The details contained in this Job Role Statement have been reviewed and conform to Main Roads guidelines.

SIGNATURE  DATE 23/12/2020
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 23/12/2020
EXECUTIVE DIRECTOR

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

SIGNATURE  DATE 13/1/21
MANAGER HR BUSINESS