

JOB ROLE STATEMENT

ENGINEER STRUCTURES DESIGN SPECIFIED CALLING - LEVEL 3

DIRECTORATE PLANNING AND TECHNICAL SERVICES
BRANCH STRUCTURES ENGINEERING

POSITION NO VARIOUS

KEY RESPONSIBILITIES

Manage and undertake the investigation and design of bridges and refurbishment design for bridge maintenance, strengthening and widening. Review corporate structural design/durability standards, guideline manuals and specifications.

KEY DELIVERIES

Bridge Design and Review

- Investigate and undertake specialist concept and detailed structural/durability design for new bridge structures.
- Undertake maintenance and refurbishment/durability design for existing bridges.
- Co-ordinate drawing preparation and cost estimates for construction and provide specialist technical advice.
- Engage and manage technical consultants for delivery of structural designs.
- Review consultant design projects and provide specialist technical advice on design quality and conformance to structural standards and specifications.
- Prepare design briefs, engineering specifications and contract documentation for bridge construction contracts.
- Provide specialist technical advice and construction support to Main Roads' delivery directorates.
- Provide specialist technical advice and engineering input for bridge design research projects.

Design Standards, Practice and Capability

- Review current codes of practice, design and specification standards and recommend improvements.
- Provide specialist engineering input to the development of bridge design, durability, maintenance and construction standards and processes.
- Facilitate structural design and analysis practice to internal team and the use of design software.

Leadership and Management

- Recommend inclusions to the Branch Business Plan.
- Manage financial, technological, physical and other resources within agreed allocations to meet agreed outcomes.
- Manage employee behaviour, performance and development.

Stakeholder Relationships

- Build and maintain collaborative working relationships with internal and external stakeholders.
- Liaise with Main Roads' delivery directorates, the community, Local Government agencies and the road industry to provide specialist advice on various aspects of structures/durability design.

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
STRUCTURES DESIGN AND STANDARDS ENGINEER

LEVEL 4
SPECIFIED CALLING

POSITION NO
P0055724

ENGINEER STRUCTURES DESIGN SPECIFIED CALLING - LEVEL 3

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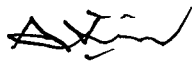
SELECTION CRITERIA – SHOULD BE ADDRESSED IN THE CONTEXT OF THE ROLE

- A Degree in Civil Engineering.
- Substantial skill, knowledge and experience in:
 - one or more of bridge and durability design, standards, design reviews, maintenance or construction
 - use of structural theory and properties of engineering materials used in bridge maintenance or construction
 - preparation of contract documentation, specifications and technical report writing
 - 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:
 - project and contract management
 - policies and practices on Work Health and Safety (WHS), and on EEO, diversity and equity
- Possession of a current Western Australian 'C-A' Class (car) motor vehicle drivers' licence or an approved equivalent.

CERTIFICATION

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

SIGNATURE

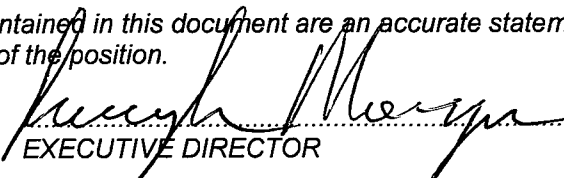

BRANCH/SECTION HEAD

DATE

13/1/2023

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

SIGNATURE


EXECUTIVE DIRECTOR

DATE

13/1/23

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

SIGNATURE


MANAGER HR BUSINESS

DATE

13/1/23