
Senior Structural Engineer

Primary Objective of Position

The Senior Structural Engineer provides professional structural (planning, design, construction and maintenance/rehabilitation) building and other structural work services for the department and provides guidance and training to other staff.

Key Outcomes

The Senior Structural Engineer reports to the Principal Structural Engineer and is responsible for the following outcomes:

- 1) Structural technical services provided (planning, design, construction and maintenance works)
 - # Technical expertise applied
 - # Structural procedures and processes applied
 - # Compliant Structural operations/services
 - # Operational compliance
 - # Statutory compliance - laws and regulations
 - # Health, safety and environment compliance
 - # Design standards compliance e.g. standards
- 2) Structural planning and design services coordinated
 - # Coordinate resources within the budget cost
 - # Manage teams, individuals and contractors
 - # Works/project/program planning and implementation
 - # Establish works or project plan
 - # Establish and manage maintenance rolling plan
 - # Monitor the works progress
 - # Staff training/development
- 3) Management reports provided.
 - # Program/project achievement reporting
 - # Technical reporting including condition monitoring of existing structures
 - # Operational changes tracked e.g. WaE
 - # Maintenance records maintained
 - # Incidents and events
- 4) Continual improvement:
 - # Growth in competence
 - # Improvement in compliance (audit)
 - # Customer satisfaction improvement
 - # More efficient application of technology
- 5) Demonstration of the PWD image and value standards
 - # Cooperative technical team –cross functional
 - # Efficient and effective team that is OH&S and environmentally aware

Duties / Responsibilities (Describes key competencies required to achieve performance levels)

Competence

Competence Description

Business

Planning

Develop an operations plan to define specific objectives.

Systems and Procedures

Undertake defined modifications/reviews to procedures; draft manuals/instructions.

Information Analysis

Evaluate options and make decisions / recommendations based on information provided.

Documentation

Present information in a report that explores the links between the issues and draws conclusions.

Customer

Relationship Building

Build long-term relationships working as a trusted advisor.

Quality Focus

Monitor/audit quality standards: provide guidance and direction to staff on quality standards.

People

Team Orientation

Assemble teams with different talents, interests and background to create synergy.

Problem Solving

Address the wider implications, consequences or causal relationships in a non routine problem

Professional

Technical Strength

Analyse a problem and develop the solution using standard procedures and methods – technical specialist.

Compliance

Investigate/audit and report on compliance issues.

Research

Review results from research, reporting and drawing conclusions.

Interactions

External

Government Officials
General Public
Suppliers
Landowners

Internal

Regional and Headquarters
Management team
All staff

Person Specifications:

Qualifications

Preferred

Degree

Structural Engineering or Civil Eng with post graduate Structure

Desirable

Diploma

Technical specialisation

Requirements

Language Proficiency

Excellent command of English

Professional Associations

Membership of Professional Engineers Institute (recognised)

Regulatory Compliance Requirements

Drivers Licence

Work Knowledge and Experience

Structural design experience necessary

A competent engineer is likely to have over 3 years experience

Personal Attributes :

Attribute Type

Attribute

Behavioural

Accountable
Detail Oriented

Interpersonal

Realistic
Team Oriented

Thinking

Analytical
Disciplined / Systematic
Initiative
Numerate
Well Organized

How to apply:

Closing Date: Friday, 6 November, 2009