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### Bridge Engineer Planning, Design and Field Support

#### Primary Objective of Position

The Bridge Engineer provides professional input into and support for the planning and design of Bridge structures for the department.

#### Key Outcomes

The Bridge Engineer will be accountable to Senior Bridge Engineer for the following outcomes:

- 1) Engineering services provided:
  - # Technical and professional contribution
    - # Planning
    - # Design
    - # Support the construction and maintenance
- 2) Operational delivery
  - # Monitor and schedule day to day resources
    - # Quality control – material sources, testing and clearances,
    - # Quantity control– material and furnishings e.g. monitoring, quantity surveyors
  - # Recording of variation
  - # Preparation of progress reports
  - # Projects/works monitoring and information
    - # Day to day field feedback
  - # Draft Work as Executed plans
- 3) Operational compliance
  - # Statutory compliant - laws and regulations
    - # Health and safety
    - # Environmental
- 4) Stakeholder interactions
  - # Respond to stakeholders
    - # Landowners/property owners/tenants and their representatives
    - # Contractors works representatives
  - # Participate in site meetings and negotiations
- 5) Team working
  - # Cooperative
  - # Efficient and effective
  - # OH&S and environmentally aware
- 6) Demonstrator of the PWD image and value standards

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

## Competence

## Competence Description

### Business

Risk Management

Implement and manage a risk assessment program.

Planning

Develop a detailed work plan to achieve specified objectives.

Systems and Procedures

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

Information Analysis

Investigate topic by sourcing, analysing, investigating and interpreting data.

Documentation

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

### Customer

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.

Research

Review results from research, reporting and drawing conclusions.

## Interactions

External

Government Officials  
General Public  
Suppliers  
Landowners  
Contractors

Internal

Regional and Headquarters  
Management team  
All staff

## Person Specifications:

### Qualifications

#### Preferred

Degree

Civil or Structural Engineering with Bridge Design

## Requirements

### Language Proficiency

Excellent command of English

### Professional Associations

Membership of Professional Engineers Institute (recognised)

### Regulatory Compliance Requirements

Drivers Licence

## Work Knowledge and Experience

Bridge construction and maintenance experience is essential

A competent engineer in this role is likely to have had up to 3 years experience since graduation

## Personal Attributes :

### Attribute Type

### Attribute

Behavioural

Accountable  
Customer Focused  
Detail Oriented  
Enthusiastic

Interpersonal

Perceptive  
Self Sufficient and Assured  
Team Oriented

Thinking

Challenger  
Disciplined / Systematic  
Initiative

## How to apply:

**Closing Date:** Friday, 6 November, 2009