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### Road Design Engineer

#### Primary Objective of Position

The Road Design Engineer provided total Road design road construction and rehabilitation works. The Road Design Engineer will ensure that these services are delivered efficiently and effectively.

#### Key Outcomes

The Road Design Engineer will be accountable for the following outcomes:

- 1) Manage and lead the Road Design team to provide services
  - # Road design expertise -
    - # Road standards established
  - # Base information:
    - # Land data; land/aerial/GIS-LIS
    - # Geotechnical data
  - # Quantity calculations – work with pavement design engineer
- 2) Compliant contract project component:
  - # Contractual compliance – Road Design
    - # Plan and Specification including quantities and variations
  - # Project statutory compliance - laws and regulations
- 3) Informed management and team.
  - # Road Design provided for construction and rehabilitation
  - # Contract and operational changes prepared/recommended
  - # Design standards and procedure prepared/updated
- 4) Continual improvement:
  - # Provide guidance and training in particular PWD personnel
  - # Improvement in compliance (audit)
  - # Increased efficiency and effectiveness
  - # Responsiveness of reporting
  - # Customer satisfaction improvement
- 6) Demonstration of the PWD image and value standards
  - # Cooperative team
  - # Efficient and effective teams that are OH&S and environmentally aware

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 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

Commercial Focus	Analyse the cost aspects of a work area / project and determine its commercial viability.
Relationship Building	Build long-term relationships working as a trusted advisor.

#### People

Team Orientation	Assemble teams with different talents, interests and background to create synergy.
Facilitation	Define the work/problem in broad terms empowering teams to establish objectives, shares accountability.
Learning	Monitor employee development and align training and development to meet the organisational goals.

#### Professional

Technical Strength	Develop the technical solution for a situation using fundamental principles and theory - technical adviser.
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#### Interactions

External	Auditors Suppliers Provincial Councils' Government Officials Contractors
Internal	Management team All staff Regional and Headquarters

#### Person Specifications:

##### Qualifications

##### Preferred

Higher Degree incl. Post Grad Cert or Dip	Road design systems and techniques
Degree	Civil Engineering

##### Requirements

##### Language Proficiency

Excellent command of English

##### Professional Associations

Membership of Professional Engineers Institute (recognised)

##### Regulatory Compliance Requirements

Drivers Licence

### Work Knowledge and Experience

Road survey, aerial photography, GIS/LIS

Road design experience necessary

Road construction and rehabilitation work experience essential

A competent engineer is likely to have approx. 3 years experience in pavement design

### Personal Attributes :

#### Attribute Type

#### Attribute

Behavioural

Accountable  
Customer Focused  
Detail Oriented  
Experimenter

Interpersonal

Team Oriented

Thinking

Challenger  
Disciplined / Systematic  
Initiative

### How to apply:

Online applications preferred but if necessary email your application to [pwdjobs@pacificrecruit.com](mailto:pwdjobs@pacificrecruit.com)

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