



## **ROAD DESIGN ENGINEER**

### **JOB DESCRIPTION**

**Country of Operation:** Sudan; Sri Lanka; Afghanistan; Iraq; or the West Bank and Gaza.

**General:** The Road Design Engineer will provide the Project with quality engineering design services and advice for rehabilitation, renovation and construction of assigned projects. The Road Design Engineer will be required to travel throughout the Country of Service to audit construction conformance with design intent and to ensure the interests of the client are adhered to by the Regional teams.

#### **Responsibilities:**

- Providing design and drafting services for roads design team for the preliminary and detail design phases of a project;
- Preparing drawings in accordance with our client and the Host Government and internationally recognized standard formats;
- Preparing design drawings using AutoCAD or similar type software;
- Reviewing design and drafting works completed by colleagues or other parties for compliance with original design intent, our clients and Host Government standards and internationally recognized best practice;
- Interpreting survey results into technical drawings;
- Promoting and improving professional standards for road engineering design;
- Undertaking design duties as assigned by the Design Office Manager, QA/QC Engineer and Project Manager;
- Undertaking any other duties as assigned by the Design Office Manager, QA/QC Engineer, or Project Manager.

#### **Technical Support:**

The Road Design Engineer is responsible for contributing to Capacity Building by:

- Mentoring and guiding National CAD operators;
- Audit checking of on-site construction against intent of the road design and reporting findings to the QA/QC Engineer;
- Advising and supporting the Project Engineer and the QA/QA Engineers on any technical design issues arising from the projects;
- Advising the Project Manager on project design in all projects.

#### **Qualifications:**

- MA degree in Civil Engineering;
- Minimum of five (5) years of progressively responsible experience in civil or road engineering;
- Profound knowledge of AASHTO Road Design;
- Good knowledge of AutoCAD or other computer based design packages;
- Relevant experience in developing countries for the purpose of infrastructure development;

- Previous experience in developing countries with similar conditions and development stage to those in Countries of Operation under consideration will be an advantage;
- Excellent written and spoken English;
- Previous humanitarian aid agency experience would be an advantage;
- Proven ability to work as part of a team;
- Proven ability to deliver design tasks on time;
- Ability to travel and live in regions where risk may extend from high to extreme levels;
- Ability to mentor national staff in road design engineering and AutoCAD.