



K. SMART ASSOCIATES LIMITED

CONSULTING ENGINEERS AND PLANNERS

With over 30 years of continuous service, K. Smart Associates Limited is a private Canadian owned consulting engineering and planning company that is employee-driven with a collaborative environment where staff multi-tasks and individuals assume a hands-on, creative approach to a wide variety of challenging work. The company is well-known for its achievements in the design and implementation of engineering solutions in the field of infrastructure, municipal drains, land development and environmental consulting services.

We are currently seeking an Intermediate Bridge Design Engineer to join our team. The successful candidate will report directly to the Senior Project Manager –Head of Structural Department, Bridge Engineering.

JOB DESCRIPTION SUMMARY

The Bridge Design Engineer will primarily perform analysis, design and contract document preparation for new bridge and bridge rehabilitation projects. The applicant will also be required to perform field inspections of structures and prepare structural reports and work within a multi-disciplined team environment.

KEY RESPONSIBILITIES

- Analysis and detailed design for new bridges, bridge rehabilitations, culverts and retaining walls.
- Hydraulic and hydrologic analysis on bridge structures
- Design alternatives for bridge replacement
- Bridge inspections according to the Ministry of Transportation Inspection Forms
- Bridge rehabilitation design for specific elements on a structure eg. deck overlays
- Preparation of contract specifications for new bridge and bridge rehabilitation projects.
- Perform bridge and civil structure inspections.
- Preparation of structural reports and bridge design reports
- Review of construction shop drawings and tender packages.
- Supervision of bridge AutoCAD Technicians and Engineers-In-Training.

QUALIFICATION REQUIREMENTS

- Bachelor's degree in Civil Engineering.
- Minimum 5 years Canadian experience in design of structural steel, pre-stressed and reinforced concrete bridges and bridge rehabilitations.
- Licensed Professional Engineer in Ontario.
- Conversant with CHBDC (CAN S-6) and the MTO Structural Manual.
- Excellent verbal and written communication skills, technical problem solving, data analysis and organization skills
- Experienced with construction contracts and administration
- Working knowledge of AutoCAD and engineering structural software
- Proficient with Microsoft Office Suite

Email your resumé, cover letter and employment application in MS Word format to info@ksmart.ca

Attention: Administration and Human Resources Manager
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