



JOB POSTING MUNICIPAL/CIVIL ENGINEER

POSITION DESCRIPTION

Title: Municipal/Civil Engineer
Department: Engineering Services
Supervisor: Engineering Services Manager

GENERAL PURPOSE

The Municipal Engineer will perform routine and complex technical engineering related work for private and First Nation development designs, design and construction of roads, water and sewer pipelines, water and sewage treatment plants, septic fields, site development, and site grading. Assist the Engineering Manager in application of principles, methods, and techniques of Municipal engineering technology.

SUPERVISION RECEIVED

Work under the general guidance and direction of the Engineering Manager.

DUTIES AND RESPONSIBILITIES

- Review project specifications and confers with the Engineering Manager concerning assistance required such as plan preparation, acceptance testing, evaluation of field conditions, design changes, and reports
- Assist in the design and development of civil engineering projects
- Oversee specialist engineering tasks such as design drafting, estimating and operations control
- Coordinate survey of project sites where applicable, to obtain and analyze topographical details of sites
- Supervise and/or conduct the preparation and review of contract drawings and documents
- Responsible for inspecting project sites in order to monitor progress and ensure compliance with all safety and government regulations
- Analyze survey reports, maps, drawings, blueprints, aerial photography, and other topographical or geologic data to plan projects
- Provide feedback and advice regarding the technical and structural aspects of company projects to management and other project leaders.
- Inspect construction site to determine conformance of site to design specifications
- Assist in the review of project development plans for compliance with codes, regulations, and standards, adequacy of applications for permits and compliance with approved plans
- Assist in project management for the construction of civil works projects
- Evaluate issues and options regarding municipal and civil works and makes recommendations to management

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MINIMUM QUALIFICATIONS

Education and Experience:

- Graduation from a four-year college or university with a degree in Civil Engineering, with experience in Municipal Engineering; and
- Registration with Engineers Geoscientists Manitoba (EGM); and
- Minimum of three years related experience as an Engineer In Training (EIT) with a minimum of two years in a Municipal Engineering environment;

Necessary Knowledge, Skills and Abilities:

- Knowledge of civil engineering principles, practices and methods as applicable to a municipal setting; some knowledge of applicable regulatory policies, laws, and regulations affecting development activities;
- Considerable skill in arriving at cost estimates on complex projects; some skill in CAD based drafting, and surveying.
- Ability to prepare, organize and maintain engineering field and office data, reports and systems;
- Ability to effectively communicate complex technical information, orally and in writing, to contractors, developers, property owners, employees, consultants, other governmental agency representatives, City officials and the general public;
- Demonstrated ability to operate a personal computer utilizing standard and specialized software, including AutoCAD, GIS and other specialized software applications used in planning, mapping, utility modelling and statistical analysis

SPECIAL REQUIREMENTS

- Must possess a valid Manitoba driver's license or have the ability to obtain one prior to employment
- Must be physically capable of moving about on construction work sites.
- Registration with Engineers Geoscientists Manitoba as an EIT or P.Eng.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

Work is performed mostly in office settings. Some outdoor work is required in the inspection of various land use developments, construction sites, or public works facilities. Hand-eye coordination is necessary to operate drafting instruments, computers, various pieces of office equipment and survey equipment.

While performing the duties of this job, the employee is occasionally required to stand; walk; use hands to finger, handle, feel or operate objects, tools, or controls; and reach with hands and arms. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch, or crawl;

The employee must occasionally lift and/or move up to 50 pounds.



WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

While performing the duties of this job, the employee occasionally works in outside weather conditions. The employee occasionally works near moving mechanical parts and in high, precarious places and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, risk of electrical shock, and vibration.

The noise level in the work environment is usually quiet to moderate.

SELECTION GUIDELINES

Applicants are to submit a cover letter and resumé via email, closing date December 31, 2018, to the attention of:

Rick Laviolette, P.Eng
rlaviolette@ayshkum.ca

Applications will be reviewed and graded on rating of education and experience. Only those applicants being considered for further review will be contacted and be invited for an oral interview.