Position Title: Senior Project Engineer
Organizational Unit: Engineering Services
Division: Technical Services
Location: Moose Jaw, SK
Salary: $6,914 - $8,643 (Management Class 6)
Competition #: WSA-69-2018/19
Apply by: 5:00 PM March 6, 2019

Note: Applicants with the required education but lesser experience are encouraged to apply as they may be considered for a Project Engineer-in-Training position (Management Class 3) or a Project Engineer position (Management Class 5).

Short Description:
Reporting to the Manager, Project Engineering, an employee in this position will provide professional engineering services and support to a broad range of activities directly related to the investigation, design, construction and rehabilitation of moderately complex to highly complex water management projects. This employee will be responsible for projects or assignments of moderate to high complexity requiring a broad range of experience and expertise.

Key Duties and Responsibilities:
20% Assess the operational adequacy and safety of water management infrastructure by conducting field inspections and investigations, performing engineering calculations and analyses both in the field and the office; and prepare applicable reports, project proposals, technical documents and drawings.

40% Design water management projects of moderate to large size and complexity; prepare project cost estimates and material and quantity schedules; prepare engineering reports, technical documentation and drawings; and when required, provide direction to engineering consultants hired to undertake this work; and meet with regulatory authorities, landowners and other stakeholders who have a direct or indirect interest in project development to address issues and obtain requisite approvals and sanctions for project development.

25% Prepare tender and construction documents for the construction and rehabilitation of water management projects including engineering specifications, material and quantity schedules, and drawings; administer construction contracts; and provide resident and general engineering services during works construction ensuring that construction is carried in accordance with best management practices and regulatory approvals.

10% Prepare and administer professional services agreements relative to the investigation, design, construction and rehabilitation of water management projects.

5% Train other unit staff in engineering methods and techniques; and undertake other professional engineering responsibilities as assigned.

Educational and Experience Requirements and Technical Qualifications:
Degree in Civil Engineering or a similar engineering discipline, a licence to practice professional engineering from the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS) and 10 years of related experience; or
JOB BULLETIN

Out-of-Scope

Graduate Degree in Civil Engineering or a similar engineering discipline, a licence to practice professional Geoscience from the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS) and 8 years of related experience.

Amount of experience typically required in this job to become fully competent, assuming both the education level required and the prior experiences are present – 4 years.

Job Complexities/Challenges:

Know How:
This employee requires substantial knowledge and skill and broad engineering experience. This employee requires a command of engineering theory and principles and involved, diverse practices and precedents. This employee must be aware of other activities within the work area and organize work accordingly. Assignments will require the incumbent to routinely assume the role of Team Leader and undertake associated responsibilities. This employee may be required, at times, to ensure the quality and timeliness of work performed by contractors and consultants without having direct authority over them. Working with others involves understanding, tact and motivation skills as this employee will be required to deal frequently with other staff, the public, other government agencies and stakeholders in providing and receiving information. This is especially true when dealing with landowners, contractors, regulators, and other project stakeholders including First Nations.

Problem Solving:
In solving problems, the employee will be called upon to devise new approaches, apply existing criteria in new ways and investigate new methods and technologies. This employee must be aware of technological innovations and their implication to solution choices. As a result, there is a requirement to stay abreast of technological innovation and new developments in the engineering field.

Assistance from others is only obtained when seeking application of specific engineering principles in specialized engineering areas of expertise, when budget implications affect projects and/or when corporate policy may be in question.

Accountability:
Minimal supervision is provided to this employee who is expected to work with significant independence. Assignments are normally accompanied or covered by instructions in special circumstances only with most of the details left to the discretion of the employee. This results in this employee having control over most of the significant variables in determining results, which can significantly affect work results. Supervision over work activities is usually indirect. This employee is required to seal final reports, designs, drawings and contract specifications that he/she has prepared. This employee must undertake his/her work in accordance with The Engineering and Geoscience Professions Act and The Engineering and Geoscience Professions Regulatory Bylaws.

Working Conditions:
Work is performed in both office and field environments. There is some exposure to conditions of dust, dirt, fumes, heat or cold, noise, vibration, inclement weather and the like. Work, especially in Project Engineering, can require considerable travel, irregular work schedule and, on occasion, extended absences from headquarters and with lower quality lodging options.

Accuracy and detail in the completion of work is essential. Working to ensure delivery of needed engineering services in a timely and effective manner poses significant challenges especially considering limited available resources.
To Apply:
Please submit a cover letter quoting competition number above and a detailed résumé to:

Human Resources
Corporate Services
4th Floor, 111 Fairford Street East
Moose Jaw, Saskatchewan S6H 7X9
Fax: 306-694-3991
Email: hr@wsask.ca (Preferred method)

We would like to thank all applicants for their interest; however, only those selected for an interview will be contacted. You will be evaluated on the relative degree to which you meet the knowledge, skills, and abilities related to the position assignment.

The Water Security Agency is an Employment Equity Employer and is committed to creating a respectful, diverse working environment.