



Internal/External Job Posting

Regular Full Time Non Union Position

Intermediate Engineer - Water Control Infrastructure

The Grand River Conservation Authority (GRCA) has an international reputation for excellence in managing the natural resources of the largest inland river system in southern Ontario. Encompassing approximately 6,800 square kilometers, the Grand River watershed has a population of almost one million people in 39 municipalities and two First Nations. Designated as a Canadian Heritage River, the Grand River and its major tributaries boast many outstanding human heritage features and excellent recreational opportunities. The GRCA is committed to environmental protection by delivering services that ensure the well-being of the environment and its inhabitants.

General Accountabilities

Reporting to the Senior Engineer - Water Control Infrastructure, the Intermediate Engineer - Water Control Infrastructure assists with the planning, implementation and coordination of construction and maintenance projects related to dams, dikes and the gauge monitoring network owned and operated by GRCA. This position oversees the delivery of the public safety and emergency preparedness plans for GRCA dams and dykes and takes a lead role in securing approvals for dam and dyke projects. The Water Resources Project Coordinator is supervised by this position. Assume responsibility for supervising staff in the department in the absence of the Senior Engineer – Water Control Infrastructure.

Specific Accountabilities

1. Coordinate capital infrastructure and water management projects related to dam and dyke safety and the gauge monitoring network, including preparation of requests for quotations, requests for proposals and tenders as required.
2. Manage construction projects, including contract administration and the coordination of consultants and contractors.
3. Assist with ensuring compliance of GRCA dams with Provincial and CDA dam safety guidelines. Maintain dam operation and maintenance manuals, including procedural guidelines, detailed instructions for specific tasks and health and safety procedures.
4. Assist with preparing and maintaining the Five Year Capital & Maintenance Plan for dams, dikes and surface water quantity monitoring network infrastructure. Assist with preparing provincial and federal funding requests.
5. Assist with preparing annual departmental budgets, ensure budgetary control of expenses within assigned areas of responsibility and provide forecast updates to the Finance Department as required.
6. Assist in the development of an Asset Management Plan for GRCA water management infrastructure.
7. Participate in annual inspections of GRCA dams, dikes and gauge stations.
8. Act as a Senior Operator in the flood forecasting and warning program, including participation in the on-call rotation. Assist with the water management and flood control program including emergency and day-to-day operations. This responsibility would be enacted subject to an appropriate period of training and experience.

9. Prepare technical reports, including infrastructure management plans, dam safety incident reports and board reports, as required.
10. Supervise assigned staff and provide general direction for their related program areas.

Technical Accountabilities

1. University degree in Civil Engineering with a specialization in, or experience with, water resources engineering and water management.
2. Eligible for License to practice Engineering in Ontario
3. A minimum of six years related working experience.
4. Strong project management skills with demonstrated experience with procurement, including preparation of requests for quotations, requests for proposals, tenders and agreements.
5. Knowledge of and experience with dam safety, surveillance and maintenance programs, as well as electromechanical systems and infrastructure maintenance.
6. Knowledge and experience with civil/structural engineering and design codes, standards and practices to perform complex projects on both concrete and steel construction, including experience in dam repair and rehabilitation.
7. Excellent interpersonal and oral communication skills to work effectively with consultants, contractors and multi-disciplinary team.
8. Effective organizational and problem-solving skills, including the ability to independently make decisions, prioritize work and manage competing deadlines.
9. Working knowledge of relevant legislation and standards including, but not limited to, The Conservation Authorities Act, the Occupational Health and Safety Act and related Regulations, Construction Lien Act, Environmental Protection Act, Environmental Assessment Act, Lakes and Rivers Improvement Act and Provincial/Federal Dam Safety Guidelines.
10. Excellent written communication skills with demonstrated ability to prepare correspondence, technical reports, financial analyses, board reports and other documents. Demonstrated analytical and research skills are also required.
11. Computer proficiency in Word, Excel and PowerPoint is required experience with. A functional knowledge of GPS survey technology and GIS applications.
12. Valid driver's license and the ability to travel throughout the watershed.

Competencies and Abilities

Professional Judgement: Demonstrated ability in the area of critical thinking, analysis and assessment of implications, making connections of underlying issues and the ownership of the outcome. Sound judgement resulting in fair, efficient and effective decision making, bringing clarity and resolution to complex and ambiguous situations.

Integrity/Ethics: The willingness to hold oneself and others accountable for acting in ways that are consistent with stated values, principles and professional standards.

Teamwork: Interacts with people effectively. Able and willing to share and receive information. Proven ability to communicate information clearly and professionally to both internal and external groups. The ability to gather facts and pertinent information to gain an understanding before drawing conclusions or taking action. Demonstrated ability to build partnerships and alliances with peers, partners and staff.

Goal /Action Oriented: The ability to work in a team or independently with limited supervision and maintain a high level of self-direction, work productivity, quality, and professionalism. Effective problem solving and collaboration skills. Seizes opportunities; takes initiative and is self-motivated. Organizes work, plans activities and sets priorities in a manner that meets competing needs and timely resolution of matters. Demonstrated experience in Project Management with the ability to work under pressure and handle multiple tasks simultaneously with changing priorities.

Customer Focus: Dedicated to meeting the expectations and requirements of internal and external customers. Develops and maintains effective relationships and ensures good communications with stakeholders.

Leadership: A high level of personal and professional excellence including the ability to align personal and organizational values. Demonstrated ability to be innovative, flexible and entrepreneurial.

The salary range for this position is Job Level J \$89,715 to \$109,152 (2020 rates)

Approximate Start Date: March 1 2021

To Apply: Please send a resume and covering letter to careers@grandriver.ca in MS Word or PDF format and quote "Intermediate Engineer - Water Control Infrastructure" in the subject line.

Deadline for Applications: 4:00pm Friday January 15, 2021

We thank you for your interest, however only candidates under consideration will be contacted.

Accessibility accommodations are available for all parts of the recruitment process. Applicants need to make their needs known in advance

