

ENGINEER

Job ID: 36865

Job Category: Engineering & Technical

Division & Section: Toronto Water, TW Water Infrastructure Management

Work Location: Metro Hall, 55 John Street

Job Type & Duration: Full-Time, Permanent

Hourly Rate and Wage Grade: \$93,500.00 - \$119,274.00, TM1600, Wage Grade 6.5

Shift Information: 35 hours per week

Affiliation: Non-Union

Number of Positions Open: 3

Posting Period: May 24, 2023 to June 7, 2023

MAJOR RESPONSIBILITIES

- Carries out infrastructure planning, risk and condition assessment and management of Asset Management System for the City's water, stormwater and wastewater collection system
- Develops a multi-year sewer capital program
- Provides technical review and advanced specialized engineering input as required to other sections and divisions on matters related to municipal and environmental engineering
- Reviews and comments on engineering design drawings as prepared by engineering consultants and the Engineering and Construction Services Division
- Reviews and comments on development applications, as may be required, related to servicing needs and identifying upgrading requirements which may be necessary
- Investigates, assesses and executes detailed and specialized studies, and writes reports relating to stormwater and wastewater collection system infrastructure, and other environmental matters
- Prepares RFP, RFQ, REOI and terms of reference, and selects and directs consultants undertaking professional services for Toronto Water
- Manages assigned projects, ensuring effective teamwork and communication, high standards of work quality and organizational performance and continuous learning
- Ensures that all assigned projects have satisfactory results, and are completed within established timeframes and budgetary restrictions
- Prepares technical reports, Committee and Community Council reports and content for public education/communication purposes, as may be required

- Provides technical input and acts as project coordinator for the preparation of individual environmental assessments, or exemptions, under the Environmental Assessment Act, and attends public meetings and hearings before the Environmental Assessment Board, as required
- Represents the City at meetings with external agencies, public meetings and discussion groups as required or directed
- Participates in the preparation of capital and operational budgets. Deals with complex cost-sharing arrangements for the construction of municipal infrastructure
- Assists in the preparation of the capital budget for water system, sewer system, stormwater management and water course improvements
- Ensures that the project expenditures are controlled and maintained within approved budget limitations. Assists in preparation of capital and operating budget. Projects scope and financial impact of projects/proposals
- Develops wastewater and stormwater policies and programs
- Leads multi-disciplinary project teams, and supervises/directs other professional engineers and technical personnel
- Provides necessary input for projects carried out either by consultants or other City staff
- Provides direct technical supervision to staff from this Unit and other project team members on a project basis
- Keeps abreast of new technologies and construction procedures related to municipal infrastructure renewal
- Keeps informed of, investigates, implements, and evaluates new work techniques, technologies and performance standards

KEY QUALIFICATIONS

1. Must be a qualified engineer as defined by the Professional Engineers of Ontario.
2. Experience in hydrology and hydraulics applications, the design and analysis of storm sewers, sanitary sewers, combined sewers, CSO facilities, stormwater management and erosion control facilities.
3. Communication and analytical skills including writing policy documents, technical reports, briefing notes, reports to committee and council and responses to inquiries by external agencies and the public and presentation abilities.
4. Experience on Municipal Class EA process especially related to Master Planning, Needs Assessment, and Feasibility Studies.
5. Experience in water infrastructure asset management, including developing and maintaining infrastructure inventory databases, infrastructure condition assessment, life-cycle costing, risk assessment, infrastructure renewal costing and priority setting.
6. Experience in the development of Capital Budgets including planning, scheduling, prioritizing and costing of projects.
7. Experience GIS applications and in hydrologic/hydraulic modelling for storm, sanitary and combined sewers and watercourses.
8. Familiarity with provincial policies and guidelines related to water resources, stormwater management, sewer design and watermain as well as Federal and Provincial regulations and requirements including Federal Fisheries Act, Federal Wastewater Systems Effluent Regulations, Ontario Water Resources Act, Environmental Protection Act, Environmental Assessment Act, Source Water Protection Act, Safe Drinking Water Act and Sustainable Water & Sewer System Act(Bill 175), Municipal Act, Land Use Planning Act and the Development Charges Act, Procedure F5-5 and MOE's Stormwater BMP Manual.
9. Ability to participate in and operate as a fully accountable member of a multidisciplinary work team.
10. Knowledge and ability to plan, lead, manage and implement multidisciplinary projects of various scope.

11. Proficiency in various competencies including highly developed interpersonal skills, human relations, communication, negotiation, conflict resolution, project management, analytical and problem-solving skills with the ability to interact and communicate effectively, both orally and in writing, with all levels of the organization and to forge solid internal and external relationships.

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How to Apply:

For more information on these and other opportunities with the City of Toronto, visit us online at <https://jobs.toronto.ca/jobsatcity/>. To apply online, submit your resume, quoting **Job ID 36865**, by **Wednesday, June 7, 2023**.

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Accommodation

The City of Toronto is committed to creating an accessible and inclusive organization. We are committed to providing barrier-free and accessible employment practices in compliance with the Accessibility for Ontarians with Disabilities Act (AODA).

Should you require Code-protected accommodation through any stage of the recruitment process, please make them known when contacted and we will work with you to meet your needs. [Disability-related accommodation during the application process is available upon request](https://jobs.toronto.ca/jobsatcity/content/HiringPolicies-and-Statements/?locale=en_US). Learn more about the City's [Hiring Policies and Accommodation Process](https://jobs.toronto.ca/jobsatcity/content/HiringPolicies-and-Statements/?locale=en_US) < https://jobs.toronto.ca/jobsatcity/content/HiringPolicies-and-Statements/?locale=en_US >.