



## Senior Engineer

### Six (6) permanent, full-time positions – Toronto, ON

**Are you a Professional Engineer with extensive engineering experience related to water, wastewater and stormwater management infrastructure? Do you have the expertise and confidence to represent Toronto Water as a technical specialist? If so, this is a great time to join the City of Toronto's engineering team.**

Our Water Infrastructure Management Section is seeking to fill six Senior Engineer positions under the following four units: Approvals and Partnerships; Strategic Planning and Policy; Infrastructure Planning and Programming; and Asset Strategy and Maintenance Planning.

As a Senior Engineer, reporting directly to the Manager, Approvals and Partnerships, you will be responsible for managing relationships with other Toronto Water sections, City divisions, agencies and corporations, and third parties. This will include administering the Ministry of the Environment, Conservation and Parks' (MECP) Transfer of Review Program for Environmental Compliance Approvals (ECA) and Drinking Water Works Permits (DWWP) through the review of water, sewer and storm water management designs, to ensure that they are in accordance with MECP and City requirements.

As a Senior Engineer, reporting directly to the Manager, Strategic Planning and Policy, you will be responsible for infrastructure planning and capacity assessment studies related to the City's water, wastewater and/or stormwater management conveyance systems. Functioning as an expert, you will represent Toronto Water with partner divisions such as City Planning in the development of Master Servicing plans to accommodate the growing City, and demonstrate your ability to understand and leverage technical experts, and to communicate well with a variety of stakeholders.

As a Senior Engineer, reporting directly to the Manager, Infrastructure Planning and Programming, you will be responsible for asset management and infrastructure planning related to all aspects of the City's sewer network. Functioning as a team leader, you will direct staff, as necessary, and coach and motivate staff to achieve excellence in the delivery of Toronto Water services.

As a Senior Engineer, reporting directly to the Manager, Asset Strategy & Maintenance Planning, you will be responsible for the development of asset management strategies, including research, standardization of asset knowledge and data; application of a risk assessment framework and identification of critical infrastructure; and mapping and refinement of asset life cycles by asset categories and development of short-term and long-term infrastructure maintenance and renewal strategies to minimize life cycle costs in collaboration with Divisional stakeholders. You will also lead the development and update of Toronto Water's Asset Management Plan in compliance with provincial regulations.

### MAJOR RESPONSIBILITIES

Your primary responsibilities as a Senior Engineer will be varied, but you'll be expected to:

- Manage assigned projects, ensuring effective teamwork and communication, high standards of work quality and organizational performance and continuous learning.
  - Conduct research and provide input to the development of policies, programs and technical design guidelines, and in response to initiatives led by other units, divisions, agencies, and other levels of government.
  - Ensure that all assigned projects are controlled and completed within established timeframes and approved budget limitations.
  - Lead and collaborate in the development of multi-year capital programs.
  - Participate in the preparation of capital and operational budgets, and deal with complex cost-sharing arrangements for municipal infrastructure projects.
  - Lead staff and consultants to deliver studies, projects and programs related to infrastructure management.
  - Lead, or participate in, multi-disciplinary project teams, supervise/direct internal and external professional engineers and technical personnel, and mentor colleagues.
  - Provide technical review and advanced engineering input, as required, to other sections and
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- divisions on matters related to municipal and environmental engineering.
- Review, and comments on engineering design reports and drawings.
- Reviews and comment on, legislation, bylaws, guidelines and procedures.
- Represent Toronto Water as a technical specialist at meetings with standing committees, internal staff, and external agencies; and consult with members of the public, external clients and consultants.
- Prepare technical reports, Committee and Community Council reports and content for public education/communication purposes, as required.
- Prepare capital business cases, project charters, RFPs, RFQs, REOs, terms of reference, and scope of work for consultant assignments, including selection and direction of consultants undertaking professional services for Toronto Water.
- Prepare and make presentations to senior Department staff, elected officials and the public.
- Maintain relations with Councillors, the public, other units throughout the City, consultants, other levels of government, government agencies, developers, suppliers and contractors, to ensure effective partnerships related to job function.
- Analyze the continuous improvement and control measures for quality, efficiency and effectiveness of services and formulate recommendations.
- Keep informed of, investigate, implement, and evaluate new work techniques, technologies and performance standards.
- Assist the Manager in defining and allocating work and setting goals.
- Perform other related duties, as assigned.

## KEY QUALIFICATIONS

Your application for the role of **Senior Engineer** must describe your qualifications as they relate to:

1. Qualification as an engineer as defined by Professional Engineers Ontario.
2. Post-secondary education in Engineering with a specialization pertinent to the job responsibilities (e.g. water, wastewater and stormwater systems; asset management; data analytics) or an approved equivalent combination of education and experience.
3. Extensive experience as a Professional Engineer in municipal engineering, analyzing, planning, modelling and design management of water, wastewater and stormwater management infrastructure.
4. Extensive experience in water, wastewater and stormwater infrastructure asset management, including developing and maintaining infrastructure inventory databases, infrastructure condition assessment, life cycle costing, risk assessment, studies, infrastructure renewal costing and priority setting.
5. Experience using software pertinent to the job function, including Geographical Information System (GIS) applications, computerized maintenance management systems (CMMS), and modelling software in infrastructure asset management.
6. Experience in the development of Capital Budgets, including planning, scheduling, prioritizing and costing of projects.
7. Possession of, and ability to maintain, a valid Province of Ontario class "G" driver's licence and eligibility to qualify for a City driver's permit.
8. Excellent communication and analytical skills to write policy documents, technical reports, briefing notes, reports to Committee and Council, and responses to inquiries by external agencies and the public, and presentation abilities.
9. Fundamental knowledge of the Municipal Class Environmental Assessment (EA) process, especially related to Master Planning, Needs Assessment, and Feasibility Studies.
10. Fundamental knowledge of federal, provincial and municipal regulations, policies and guidelines related to the job (e.g. Occupation Health & Safety Act) and applicable to water, wastewater and stormwater systems, infrastructure planning and management.
11. Project and stakeholder management skills to plan, lead, manage and implement multidisciplinary projects of varied scope.
12. Proficiency in various competencies, including highly developed interpersonal, employee relations, negotiation, conflict resolution, leadership and problem-solving skills, with the ability to interact effectively with all levels of the organization and to forge solid internal and external relationships.

**Salary Range:** \$103,303.20 - \$121,375.80 per year

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**Toronto** is home to more than 2.9 million people whose diversity and experiences make this great city Canada's leading economic engine and one of the world's most diverse and livable cities. As the fourth largest city in North America, Toronto is a global leader in technology, finance, film, music, culture, and innovation, and consistently places at the top of international rankings due to investments championed by its government, residents and businesses. For more information, visit [jobs.toronto.ca](https://jobs.toronto.ca) or follow us on Twitter at [Twitter.com/CityTOjobs](https://twitter.com/CityTOjobs), on LinkedIn at [Linkedin.com/company/city-of-toronto](https://linkedin.com/company/city-of-toronto) or on Facebook at [Facebook.com/CityTOjobs](https://facebook.com/CityTOjobs).

### **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 16360**, by **Thursday, August 05, 2021**.

### **Equity, Diversity and Inclusion**

The City is an equal opportunity employer, dedicated to creating a workplace culture of inclusiveness that reflects the diverse residents that we serve. Learn more about the City's commitment to [employment equity](#).

### **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. Learn more about the City's [Hiring Policies and Accommodation Process](#).

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