

Infrastructure Engineer - Environmental (Engineer) # 6920

<u>Department:</u> Public Works	<u>Salary:</u> Per hour
<u>Branch:</u> IAM Water Wastewater	<u>Salary Grade:</u> \$59.13 - \$64.28
<u>Location:</u> 17250 Yonge Street Newmarket ON L3Y6Z1 (Primary) Hybrid work opportunities may apply - CA	<u>Union:</u> CUPE Local 4900
<u>Status:</u> Permanent Full-Time	

ABOUT THE ROLE

Reporting to a Project Manager, is responsible for developing and implementing asset management strategies, plans and frameworks; developing various infrastructure management programs, including infrastructure inspection and data collection, operations and maintenance strategies, risk assessment and mitigation, condition assessment and lifecycle analysis; and optimized decision making to support rehabilitation and replacement planning for the Region's water, wastewater, waste management, forestry and energy assets.

WHAT YOU WILL BE DOING

- Responsible for the development and implementation of Asset Management Plans and related projects to support the sustainable management of the Region's water, wastewater, waste management, forestry and energy assets.
- Provides input to Corporate Asset Management initiatives by seeking and providing subject area expertise.
- Leads the development of asset management frameworks for various asset classes or service areas.
- Establishes Levels of Service (LOS) and KPI indicators, determines data requirements, undertakes gap analysis, and initiates process to collect required data.
- Reviews and analyzes system performance, conducts risk analysis, and identifies areas for improvement.
- Plans, develops, and coordinates infrastructure inspection and data collection programs to support condition assessment/rating, lifecycle analysis, and the prevention of infrastructure degradation.
- Ensures quality assurance activities to monitor program effectiveness and support continuous improvement efforts with the business unit to ensure consistency and adherence to standards.
- Oversees the development and maintenance of procedures, guidelines and templates related to infrastructure management, improvement and maintenance.
- Oversees engineering consultants in the completion of studies and projects, relevant to the long-term planning and sustainable management of departmental assets.
- Liaises with and maintains positive relationships with internal Department contacts, cross-department staff, external contractors, consultants, government and non-government agencies and the public, as required.
- Responds to enquiries on issues related to the assigned projects.
- Works with management to develop relevant performance metrics.
- Performs other duties, as assigned, in accordance with Branch and Department objectives

WHAT WE ARE LOOKING FOR

- Successful completion of a University Degree in Civil, Mechanical, Environmental, Chemical or Industrial Engineering from an accredited university.
- Must be registered as a Professional Engineer (P. Eng.) with the Professional Engineers Ontario.
- Minimum five (5) years demonstrated experience (inclusive of E.I.T. experience) in the approvals, design, construction and operating processes of water and wastewater collection, distribution and treatment systems.
- Demonstrated experience in water and wastewater infrastructure management, including inspection and data collection, condition assessment/rating, risk assessment, failure mode analysis, condition based predictive lifecycle analysis, and long-term infrastructure rehabilitation and replacement planning.
- Solid understanding of municipal water and wastewater infrastructure management and maintenance principles and best practices.

- Demonstrated knowledge of relevant legislation and regulatory requirements.
- Knowledge of water, wastewater treatment, collection and distribution system management, operations and maintenance techniques, as well as complex hydraulic systems including pumping, piping, valving etc.
- Understanding of budgeting process, strategic planning and program development and implementation techniques.

Scheduled Weekly Hours: 37.5
Scheduled Shifts: 8:30 a.m. to 4:30 p.m.

Start Date: Immediate

Please apply online at <https://york.hua.hrsmart.com/hr/ats/Posting/view/6920> by **5:00PM EST of the closing date June 30, 2025**. As an alternative, you can apply via e-mail to careers@york.ca.

All employment opportunities are recorded on a 24-Hour Career Line and may be accessed by calling 1-877-464-9675 ext. 75508. We thank all candidates for their interest; however, only those selected for an interview will be contacted. Please be advised, York Region uses email as the primary means of communication with candidates and does not use AI technology in any part of the recruitment process. Please ensure your email address is up to date, checked frequently (including your spam folder), and accepts messages from unknown users.

Replacement ☒

Replacement – Converted Position ☐

Addition to Staff ☐

York Region is an equal opportunity employer committed to an inclusive, barrier-free recruitment and selection process. We respect, encourage and celebrate our diversity, aiming to build a qualified workforce that reflects the population we serve. Should you require an accommodation under the [Human Rights Code](#) during the recruitment and selection process, including accessible formats and communication supports, please email careers@york.ca or call 1-877-464-9675 extension 75506. Accommodations for applicants with disabilities are available upon request during recruitment processes and throughout employment.