
Non Union

Job Title:	Transportation Asset Analyst		
Job Opening Id:	34114	# Required:	1
Business Unit:	Public Works	Division:	Transportation
Location:	Headquarters Campbell West	Standard Hours:	35.00 / week
Full/Part Time:	Full-Time	Regular/Temporary:	Regular
Salary Grade:	5	Salary Range:	\$ 71,000.00 - \$ 83,530.00
Post Date:	2022-12-01	Close Date:	2022-12-14

Serving a diverse urban and rural population of more than 430,000, Niagara Region is focused on building a strong and prosperous Niagara. Working collaboratively with 12 local area municipalities and numerous community partners, the Region delivers a range of high quality programs and services to support and advance the well-being of individuals, families and communities within its boundaries. Nestled between the great lakes of Erie and Ontario, the Niagara peninsula features some of Canada's most fertile agricultural land, the majesty of Niagara Falls and communities that are rich in both history and recreational and cultural opportunities. Niagara boasts dynamic modern cities, Canada's most developed wine industry, a temperate climate, extraordinary theatre, and some of Ontario's most breathtaking countryside. An international destination with easy access to its binational U.S. neighbour New York State, Niagara attracts over 14 million visitors annually, as well as a steady stream of new residents and businesses.

Please note that the Niagara Region requires that all newly hired employees are to be fully vaccinated against COVID-19 as a condition of being hired and provide proof of full vaccination, or provide proof of a bona fide medical or Human Rights Code exemption on a form issued from and approved by Niagara Region.

Job Summary

Salary under review

Reporting to the Manager, Transportation Asset Management, the Transportation Asset Analyst is responsible for maintenance and enhancement of Transportation's asset data required for annual capital works and operational programs by creating, sustaining, validating and integrating regional engineering, operational and business-level information. Supply support for annual construction programs including analysis of existing infrastructure, as well as reports, maps and drawings on proposed programs.

Education

Post-secondary degree or diploma in Civil or Transportation Engineering or other related field of study.

Post-graduate certificate as a Certified Asset Management Professional or equivalent is preferred.

Post-graduate diploma in Geographic Information Systems (GIS) is an asset.

Additional courses in Municipal Engineering through the Municipal Engineering Association (MEA) and Ontario Good Roads Association (OGRA) are an asset.

An equivalent combination of education, experience and qualifications may be considered.

Knowledge

Minimum 5 years of experience supporting civil or transportation engineering, asset management and GIS initiatives, preferably within the public sector.

Experience with pavement and bridge asset management systems, storm sewer networks, asset data standards, risk and condition based modelling.

Working knowledge of Asset Management Standards and Quality Management Systems and Standards, relevant acts, by-laws and regulations (e.g. ISO 55000, ISO 9001, ISO 30001, PSAB 3150).

Extensive practical experience and understanding of computerized maintenance management systems (CMMS) based applications.

Knowledge of project management methodologies, including capability to design and lead small projects.

Preferred professional designations: Licensed Professional Engineer (P. Eng), Licensed Engineering Technologist (L.E.T), Certified Engineering Technologist (C.E.T.), and/or Asset Management Professional and/or Project Management Professional (PMP).

Responsibilities

Develop and implement information systems and strategies to minimize costs associated with acquiring, operating, maintaining and renewing assets, while delivering desired service levels, complying with regulations and identifying an appropriate level of business risk (40% of time).

Assist in the administration and maintenance of the Division's asset registry and asset hierarchy.

Assess, integrate, analyze, record and report on asset condition, performance, maintenance costs, remaining life, replacement cost, service levels and forecast demands. Analyze data to provide asset lifecycle recommendations, information products and reports for fact based decision making and present results to Transportation management.

Lead the development and maintenance of Regional road asset databases.

Research, evaluate and provide recommendations on initiatives and products used to extend asset life and reduce future maintenance costs.

Technical lead in the development of transportation related applications to support field collection operations.

Prepare annual municipal performance management program (MPMP) and municipal benchmarking reports related to transportation assets. Support tangible capital asset reporting (PSAB 3150), by working with Corporate Services staff to develop accounting statement of year-end transportation assets.

Produce technical workflow documentation, create metadata, and generate written reports and presentations.

Collaborate with internal and external teams to develop sustainable processes for asset data collection and updates.

Participate as member of the municipal benchmarking expert panel (as required).

Act as a project lead and subject matter expert providing direction and guidance on the use of asset management applications and analyses for process improvements, decision-support, usability and accessibility. (40% of time)

Lead and manage small projects and initiatives related to Transportation asset management data and reporting.

Work with consultants and local area municipalities to update asset data and prepare reports identifying recommended changes.

Provide input related to the development of CMMS and related software.

Identify opportunities to improve existing Transportation asset information and business practices, and offer creative solutions based on statistical analyses and evaluations.

Train staff in the procedures and practices for the development and/or maintenance of Transportation asset data and ensure proper integration with Regional datasets.

Investigate, recommend, implement and support new technology, to support Transportation initiatives.

Coordinate third party activities, ensuring adherence to standards, policies and procedures, monitoring compliance with requirements set out under the contract, maintaining records and providing reports on progress and issues.

Assist with preparation of Transportation projects, including provision of asset condition models, mapping and reporting.

Develop, implement and maintain Transportation asset management and replacement models. (20% of time)

Prepare Transportation asset management and replacement models for various infrastructure (e.g. pavement, bridges, storm sewers, traffic signs and signals, guide rails etc.).

Report on level-of-service performance and evaluations of Transportation infrastructure.

Coordinate joint asset management and replacement models with internal and external stakeholders (e.g. local area municipalities).

Perform other related duties and responsibilities as assigned or required.

Special Requirements

Must maintain ability to travel in a timely manner to other offices, work locations or sites as authorized by the Corporation for business reasons.

Regional staff strive to enable the strategic priorities of council and the organization through the completion of their work. Staff carry out their work by demonstrating the corporate values.

To view the full job description and requirements, visit our Careers page - **Job Opening # 34114**

Uncover the wonder of the Niagara Region and join a team dedicated to meeting tomorrow's challenges.....today!

Let us know why you would be an excellent team member by submitting your online application **no later than December 14, 2022** before midnight by visiting our 'Careers' page at www.niagararegion.ca. We thank all candidates for their interest however, only those candidates selected for an interview will be contacted.