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Job Search

Sustainable Transportation Technologist

100 Burwell Rd, St Thomas, ON N5P 3R8, Canada Req #1047

Date Posted: April 1, 2025



The Corporation of the City of St. Thomas - Environmental Services Department has an opening for the following position:

SUSTAINABLE TRANSPORTATION TECHNOLOGIST

Roads & Transportation Service Area
(Permanent, Full-Time)

Job Posting #1047-04-25

Division/Department:	Roads & Transportation / Environmental Services
Reports to:	Manager of Roads & Transportation
Location:	Public Works, 100 Burwell Road, St. Thomas
Hours:	37.5 hours/week; Monday to Friday, Overtime as required
Union Affiliation:	CUPE Local 841

Position Summary

Under the general direction of the Manager of Roads & Transportation oversees the development, implementation, and promotion of transportation demand management programs and projects and oversees the implementation of sustainable transportation and emerging technology projects. This position supports the timely review of development applications on sustainable transportation related matters and is responsible for the planning and coordination of active transportation network improvements and the administration of the City's public transit system, including contract administration, complaint resolution, transit plans, and working with stakeholders and external agencies with a focus on quality customer service and continuous improvement.

Primary Duties and Responsibilities

- Provides general oversight and contract administration of the City's conventional, parallel, and on-demand transit operations, including service provider contract compliance.
- Coordinates the development and implementation of inter-community transit initiatives, transit studies, business plans, network redesigns, including short-term routes and service level changes, transit priority measures, service plans, and long-range forecasts in support of strategic plans, master plans, and the City's Official Plan.
- Responsible for the development and monitoring of service performance strategies, advertising and fare strategies and programs, transit service standards and program evaluation as it relates to financial performance, ridership, service level targets and policy objectives, and recommend strategies, programs and policies to management.



- Responsible for planning and implementation of bus stop infrastructure and improvements, passenger amenities, new transit passenger facilities, negotiating location and cost-sharing with developers and property owners and resolving related issues.
- Exchange information with the Ontario Public Transit Association (OPTA) and Canadian Urban Transit Association (CUTA).
- Respond to inquiries from the public on related service issues and promote transit priority, service, and ridership growth to internal and external stakeholders.
- Provides technical advice to increase transit ridership, use of active transportation and transportation demand management measures, including addressing challenges in accommodating active transportation and transit within road corridors.
- Oversee the development and implementation of transportation demand management programs, and alternative service delivery strategies related to integrated urban mobility and an active transportation network.
- Supports the timely review of development applications in coordination with Development Engineering, Planning, and other related department staff on sustainable transportation related matters.
- Provides professional input in the development review process to facilitate and incorporate transportation demand management supportive measures to help ensure land use changes are consistent and conducive to achieve transportation demand management and transit-oriented development objectives.
- Develops and maintains partnerships with local, provincial, and federal agencies, employers and private organizations related to transportation demand management and transit-oriented design initiatives.
- Provides advice of transit supportive land use and transportation demand management planning policies and practices for subdivisions, site plans, zoning by-laws, and road capital project designs.
- Assists in the development and administers off-street parking reduction programs, cash-in-lieu of parking strategies, and provides input on zoning by-law parking requirements and justification reports.
- Collaborate with relevant departments to identify new on-road and off-road pedestrian and cycling infrastructure opportunities and barriers to advance the connectivity of the City's active transportation network, including implementation of supportive infrastructure such as bike shelters and repair stations.
- Assist in development of policies, guidelines, and standards consistent with transportation demand management and transit-oriented development objectives for the City's Official Plan, Transportation Master Plan and other appropriate strategies and design standards.
- Administer the development and implementation of an electric vehicle strategy and micromobility strategies and programs, including research, analysis, and pilot projects to encourage community buy-in and recommend strategies, programs and policies to management.
- Prepares reports, grant applications, and identifies funding opportunities.
- Provides quality customer service when dealing with public inquiries, concerns, or service requests.
- Participates in the development and implementation of programs and procedures including preparing budgetary estimates, and website/social media updates.
- Participates in local purchasing of equipment and materials, the hiring and supervision of contracted services, and approves invoices within approved City purchasing policies, to ensure the efficient and timely completion of projects and services, including transit vehicles and pre-delivery inspections, AVL and passenger counting systems, and various other transit related applications and technologies.
- Participates in training/seminars as required by the Supervisor and/or Manager.
- Comply with all applicable regulations and requirements of the Occupational Health & Safety Act, The Highway Traffic Act, AODA, Federal and Provincial regulations, including Corporate, Departmental, and Divisional, policies, procedures, and operating plans.
- Participates in all Health & Safety requirements deemed necessary by the Corporation while performing duties, as well as any legislated training/certification required to carry out activities.
- Provides backup coverage for other Transportation Division positions.
- Performs other such duties, responsibilities, and functions as may be assigned.

Note: The major tasks and responsibilities outlined above are representative but not all-inclusive. All activities are expected to be performed in a safe manner in accordance with the Occupational Health and Safety Act and its Regulations along with Corporate Safety policies, procedures and programs. In addition, all necessary personal protective equipment must be used and maintained in good condition.



This position must be compliant with all provisions of the Occupational Health and Safety Act, related to "Duties of a Supervisor" and "Duties of a Worker".

Education/Experience/Skill

Qualifications

- Three (3) year diploma in Transportation Engineering, Urban Planning, Environmental Studies, Civil Engineering or approved equivalent combination of education and experience.
- Certified Engineering Technologist (CET) with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT) or ability to obtain within 1 year.

Experience

- Five (5) years of previously related experience in transportation and transportation demand management concepts.
- Experience in a municipal environment an asset.

Knowledge/Skill/Abilities

- Knowledge of the theories, concepts, principles, practices, and techniques in the field of transportation demand management.
- Demonstrated experience in applying the principles of sustainable transportation including knowledge of applicable laws, regulations, and policy in Ontario.
- Knowledge of funding programs, relevant advocacy, and sustainable transportation networks
- High degree of accuracy required to undertake detailed technical analysis.
- Ability to read and interpret civil engineering drawings and design calculations.
- Ability to work from and interpret specifications, standards, and instructions and to interpret legislation.
- Must be competent within the meaning of the Occupational Health & Safety Act and be capable of issuing clearly understandable written and verbal instructions.
- Contract administration, including compliance and budget management.
- Strong conflict management and communication skills when interacting with developers or the public and dealing with contentious matters.
- Ability to manage multiple assignments with strong organization and planning skills.
- Knowledge of project management principles and practices.
- Mature judgement, diplomacy and discretion in the handling of sensitive and confidential material.
- Creative, resourceful, and able to independently carry out responsibilities with minimal supervision.
- Ability to meet deadlines under pressure and adapt to changing priorities.
- Demonstrated analytical, problem-solving, planning, report writing, and scheduling skills.
- Must have the ability to communicate effectively, professionally, and courteously with all levels of staff, developers, contractors, and the general public.
- Ability to work effectively with developers, consultants, contractors, colleagues, elected officials, and other internal and external clients.
- Solid presentation skills and ability to relay technical information in a manner appropriate for internal and external stakeholders.
- Working knowledge and use of CAD/AVL software (i.e. Traffic Studios) and On Demand Transit applications (i.e. Via Transport)
- Proficient in the use of PC equipment, tablet, and smart phones including standard office tools (i.e. MS Word, Excel, Outlook, PowerPoint, Adobe), technical applications (telematics, passenger information systems) and other municipal business systems (i.e. Access E11).

Driver's Licence

Ontario Driver Record required.

Must possess a valid "G" Ontario Driver's Licence and access to reliable transportation.

Other

Ontario Traffic Manual Book 7 – Temporary Conditions

Corporate Orientation and Health & Safety Training

Valid First Aid/CPR

Satisfactory Police Records Check

Working Conditions



- Physical dexterity and light to heavy activities including lifting, using instruments/tools and driving.
- Works independently and undertakes a variety of tasks and performs them with minimal supervision.
- May be required to sit for extended periods, often working on a computer, answering phones, analyzing data or preparing reports.
- With appropriate safety precautions, works in close proximity to traffic, and in adverse conditions.
- Exposure to physical hazards and contrasting weather conditions including but not limited to blizzards, whiteouts, ice storms, fog, sun exposure, unpredictable traffic, etc.
- Operation of a City vehicle or use of privately owned vehicle may be required.
- Ability to work outside and drive in varying weather conditions.
- May be require to work beyond the normal work hours.
- Must be able to respond to emergencies within a reasonable period of time.
- May be required to work within other Service Areas.

Remuneration Range: \$37.00 - \$46.24 per hour (2024 rates) working a 37.5 hour work week (\$72,150 - \$90,168 per annum) plus a comprehensive benefit package.

Applications must be received no later than Tuesday April 22, 2025 at 11:59 p.m.

HOW TO APPLY:

Go to www.stthomas.ca – Employment, Employment Opportunities. Go to Posting Title and click the 'Apply Now' button. You may need to register/create a Login.

Please import/upload your COVER LETTER AND RESUME individually (i.e. pdf, word) and ensure you have attached all documents prior to submitting your application.

Note: You may be required to answer Qualification questions during the application process.

The City of St. Thomas is an equal opportunity employer. Accommodations are available for all parts of the recruitment process. If you require accommodation to apply or if selected to participate in an assessment process, you must provide your accommodation needs in advance. Questions may be directed to the Human Resources Department at 519-631-1680 ext. 4146.

Although we appreciate all applications received, only those selected for an interview will be contacted.

Personal information for this position is collected under the authority of the Municipal Act, R.S.O. 2001, as amended.

Other details

Pay Type Hourly

Apply Now

