

Road Safety Technologist

100 Burwell Rd, St Thomas, ON N5P 3R8, Canada Req #1046

Date Posted: April 1, 2025



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

ROAD SAFETY 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 provides administration and expertise for the successful delivery of various road safety initiatives, including traffic data collection programs, traffic and collision data analysis, and recommends changes to improve programs and services that enhance the safety of all road users. This position is responsible for the City’s School Crossing Guard program along with the coordination of traffic calming projects through their design, public engagement, and implementation phases as well as the coordination of Automated Speed Enforcement (ASE) initiatives. The Road Safety Technologist investigates and responds to road safety inquiries with a focus on quality customer service and continuous improvement.
Primary Duties and Responsibilities
<ul style="list-style-type: none"> • Provides guidance and support to the Crossing Guard program including assisting with interviews, training, scheduling, and preparing updates to training materials. • Identify and resolve School Crossing Guard safety issues at crossing locations including assessing signage and pavement markings and recommending potential enhancements to management. • Acts as the City’s Site Inspection Authority by performing on-site assessments to ensure Crossing Guards are conducting operations in a safe manner and are adhering to the Occupational Health and Safety Act, Highway Traffic Act, Ontario Traffic Manual and municipal policy. • Review and resolve concerns, inquiries, and complaints from the public, parents, and schools regarding the School Crossing Guard program. • Performs studies and analysis to determine changes or additional School Crossing Guard locations and make recommendations to management. • Works independently to research best practices, benchmarking with other Municipalities and associations such as Ontario Traffic Council (OTC) and recommend changes or enhancements to the School Crossing Guard program or policies to management. • Develops and administers an annual traffic data collection program, including speed and automated traffic recorder studies, turning movement counts, pedestrian and cyclist movement

counts, and the acquisition of collision data through the Ministry of Transportation ARIS program to maintain the City’s traffic engineering database (TES).

- Responsible for the management of transportation data, including contract management, and performing calculations and analyses in preparing statistics and reports to management.
- Review traffic collisions and incidents to initiate corrective and preventive actions and analyse traffic data to identify patterns and trends in recommending policy changes or transportation network improvements with the highest potential for increased safety.
- Develop and implement a Road Safety Strategy for the City including a multi-modal transportation safety program to improve safety for all road users.
- Responds to neighbourhood traffic issues and meet with residents and/or Councillors as required
- Administer the City’s speed management and traffic calming policies and programs including data collection, analysis, detailed drawings, and public engagement.
- Required to make responsible decisions when determining appropriate road safety and traffic calming measures while balancing requests from residents and/or Council.
- Present to the public and Council proposed traffic calming designs and/or road safety initiatives for support and approval.
- Oversee the development and implementation of various road safety initiatives such as school zone, community safety zone, speed limit policies and programs, and other road safety improvements.
- Coordinates the development and implementation of the City’s Automated Speed Enforcement (ASE) and/or Red Light Camera (RCL) programs including studies and analysis concerning its effectiveness and appropriateness.
- Collects, monitors, and analyses data to select candidate ASE locations and to evaluate the performance of the ASE program, as well as traffic control systems, elements, and devices. This involves conducting research, surveys, investigations, inspections, and collecting traffic volume and speed data.
- Prepares and updates agreements with the Ministry of Transportation, Joint Processing Centre and Vendor for the ASE program
- Oversees external consultants and/or service contracts, including contracts for the installation of ASE equipment, roadway signage and other related traffic infrastructure.
- Ensures municipal traffic controls associated with the City’s ASE program are in place to facilitate safe and efficient vehicular movement and to ensure that the City is monitoring and maintaining the program in accordance with municipal and legislated requirements.
- Works closely with equipment vendor to schedule rotation of cameras and ensures appropriate signage is in place in accordance with Ministry of Transportation regulations.
- Arranges updates to the City’s traffic related by-laws as required.
- 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 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.
- 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 Civil Engineering, Transportation Planning/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 working in a traffic or transportation engineering field or similar experience.
- Experience in a municipal environment an asset.

Knowledge/Skill/Abilities

- Strong technical knowledge and understanding of the Ontario Traffic Manuals, the Highway Traffic Act, TAC Geometric Design Guide, Ontario Provincial Standards, and applicable Provincial regulations.
- Strong practical knowledge in traffic / transportation engineering principles related to road safety and innovative initiatives.
- Knowledge and ability to carry out collision analysis and conduct field studies.
- High degree of accuracy required to undertake detailed technical analysis.
- Ability to read and interpret civil engineering drawings, 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.
- Must have good hand-eye coordination, alertness, and safety consciousness.
- Must be comfortable working in close proximity to traffic and in adverse conditions.
- Must have knowledge and ability to use personal protective equipment (PPE).
- Contract administration, including compliance and budget management.
- Strong conflict management and communication skills when interacting with 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, data collection and scheduling skills.
- Must have the ability to communicate effectively, professionally, and courteously with all levels of staff, contractors, and the general public.
- Ability to work effectively with 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.
- Proficient in the use of PC equipment, tablets, and smart phones including standard office tools (i.e. MS Word, Excel, Outlook, PowerPoint, Adobe) technical applications (i.e. Miovision, Traffic Engineering Software (TES), SYNCHRO, GIS, AutoCAD), and other municipal business systems (i.e. Access E11, parking management software), etc.

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