



Engineering Technologist I - Traffic

Non-Union

The Municipality of Chatham-Kent has an opening for a permanent full-time Engineering Technologist I – Traffic in the Engineering & Transportation Division.

Job description

The Engineering Technologist I – Traffic prepares designs and drawings for a variety of Civil Engineering projects, including traffic infrastructure, traffic studies, sanitary and storm sewers, watermain, pumping and drainage works, pavement, curb and gutter, roofing and other tasks; oversees infrastructure and contracts and provides supervision to the Engineering Technologist II position.

Essential responsibilities

- Demonstrate Chatham-Kent's core values and competencies
- Manages the delivery of projects in the Engineering and Transportation Division including design, project, financial and construction management.
- Procuring and managing design consultants throughout design and construction projects.
- Supervision of Engineering Technologist II position including coaching and technical support as required.
- Assist department with budget management and maintenance including lifecycle, operations and capital budgets
- Prepare reports to Council and present to Council when appropriate
- Prepare and update policies and procedures and By-Laws for Chatham-Kent
- Prepare designs for a variety of civil engineering projects, primarily Traffic infrastructure, but can be tasked with sanitary and storm sewers, watermain, pumping stations and drainage works, pavement, curb and gutter and other tasks as assigned
- Prepare Request for Proposals for consulting services and other services relating the delivery of municipal infrastructure projects, with a focus on traffic bridges and culverts, both for inspection, maintenance, rehabilitation and replacement of structures
- Manage consultants in the delivery of traffic infrastructure projects, design projects with varying degrees of complexity, Environmental Assessments and construction administration projects
- Prepare design drawings for both civil and structural projects in AutoCAD and AutoCAD 3D
- Prepare technical reports and review designs utilizing the Local Improvement Act, OPSS (Ontario Provincial Standard Specifications), OPSD (Ontario Provincial Standard Drawing), Ontario Traffic Manual, Geometric Design Standards for Ontario Highways
- Operate survey equipment
- Manage and co-ordinate field inspections, undertake and perform construction site inspection and contract administration, prepare payment certificates and insure quality control on all assigned projects
- Preparation of project estimates, local improvement assessments and construction scheduling
- Use criteria under Provincial Acts, Statutes and Procedures for obtaining project approvals
- Create programmatic and manual reports on the data within the infrastructure management databases
- Preparation of specifications and reports including the preparation of contract documentation for the procurement of tender and proposal bids
- Review and processing of Ministry of the Environment and Climate Change (MOECC) Approval submissions under the Transfer of Review Program
- Convert, import and export infrastructure data in and out of various Infrastructure Geospatial Engineering Management systems such as ArcGIS
- Maintain condition assessments and infrastructure management studies for traffic signals, all-way stops, sign reviews, roads, sidewalks, bridges, sewers, watermains and railway crossings
- Direct Engineering Technologist II with performing assessments of infrastructure
- Lead technical reviews of development design submissions for infrastructure servicing of subdivisions and site plan developments
- Liaise with other departments, agencies and general public on technical matters
- Respond to and resolve public complaints related to traffic infrastructure or parking concerns
- Provide professional advice to internal and external committees and organizations as required
- Manage parking meter infrastructure, parking programs, and parking studies. Coordinate parking enforcement.
- Review Development Subdivision and Site Plans, and Traffic Impact Studies
- Traffic Signal design, maintenance contract administration, and programming

Essential qualifications

- College Diploma in Civil Engineering Technology (CET designation and/or eligible for designation) or University Degree in Civil Engineering (P.Eng. or EIT) or Technologist (with limited license) with a minimum of two (2) to four (4) year's with a focus on traffic infrastructure, site inspection management or equivalent related working experience
- Experience performing traffic infrastructure design, including traffic signal and intersection design and performing contract administration on these assets
- Experience with traffic infrastructure design and engineering projects including, but not limited to: traffic control studies, traffic design or programming, traffic sign installation specification, pavement marking design and layout, intersection and roadway geometric design, development site plan review, TIS review.
- Project experience with the, Highway Traffic Act, Municipal Standards, Ontario Provincial Standards and, Ontario Traffic Manual, and Highway Geometric Design Manuals
- Excellent computer skills in AutoCAD 2007 or higher, MicroStation,
- Experience working with traffic related software such as TES, and Traffic Signal Programming
- Working experience with performing traffic studies including, but not limited to: OTM All-way stop warrant, OTM traffic signal warrant, OTM Pedestrian cross over warrant, Turning movement counts, curve advisory speed review, speed limit and parking studies.
- Strong computer skills including Microsoft Word, Excel, PowerPoint, email and internet (or other similar software programs)

Other qualifications

- Experience developing policies and by-laws relating to transportation will be considered an asset
- Experience performing traffic counts and all-way stops review will be considered an asset

Work environment/hours of work

- This position works both indoors and outdoors
- This position works weekdays with occasional evening and weekend hours

Municipality of Chatham-Kent COVID-19 Vaccination Policy

The Municipality of Chatham-Kent has a mandatory COVID-19 vaccination policy. All new employees must be fully vaccinated as a condition of employment unless approved for an exemption.

Driver's licence/vehicle requirements

Because of the responsibilities, this position requires the successful candidate to have a valid class G (or higher) Ontario driver's licence; a driver's abstract will be conducted by the Municipality of Chatham-Kent. An acceptable driver's abstract will: be an original document and current (within the previous thirty (30) days); have no more than four (4) demerit points; have no more than two (2) convictions for the same offence; have no criminal code convictions; have no 'non-medical or administrative' license suspension in the preceding three (3) years.

Background check requirements

Successful candidates will be required to complete a background check prior to commencement of employment. A background check may include the following: education/certification verification and employment reference check.

Essential physical and/or safety requirements

- Walking: frequent walking on level surface
- Sitting: frequent sitting in chair and/or vehicle seat
- Standing: frequent standing indoors and outdoors
- Hands: frequent fine finger dexterity (movement), gripping, pinching, mousing

Benefits

This permanent full-time position has an annual wage range of \$83,876 - \$94,839 (based on grade 9 of the 2022 non-union full-time compensation plan), plus benefits including: participation in the OMERS pension plan (mandatory), vacation entitlement and a comprehensive benefit package that includes life insurance, accidental death and dismemberment, short and long term disability, extended health and dental benefits following the successful completion of a 3 month waiting period.

Applying for this opportunity

Applications must be received by **11:59pm (EST) on November 28, 2022**. To apply, please visit: www.ckcareers.ca

The Municipality of Chatham-Kent is an equal opportunity employer, committed to fair and accessible employment practices that attract and retain talented employees in a workplace that is inclusive, supportive, and reflective of the diverse community we serve.

Should you require accommodations during the recruitment process, please contact Human Resources & Organizational Development (HROD) at 519-360-1998. Applicant information is collected under the authority of the Municipal Freedom of Information and Privacy legislation and will be used strictly for the purpose of candidate selection.

www.chatham-kent.ca