



**TSL Consulting + Design Group Ltd.**

PO Box 22023

RPO Serena

Beamsville, ON L0R 3B0

t. 289.238.8493

tslconsulting.ca

## **Senior Traffic Signal and Roadway Lighting Designer**

**Location:** Remote

**Job Type:** Full-time

**Experience Level:** 10–15 years

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### **Position Summary:**

We are seeking an experienced and detail-oriented Senior Traffic Signal and Roadway Lighting Designer to join our transportation design team. The successful candidate will be responsible for the preparation and coordination of traffic signal and lighting system designs across a variety of municipal and provincial infrastructure projects. With 10–15 years of industry experience, you bring strong technical knowledge, a deep understanding of applicable standards, and the ability to work collaboratively in a fast-paced, multidisciplinary environment.

### **Key Responsibilities:**

- Prepare detailed traffic signal and roadway lighting system drawings.
- Develop wiring diagrams and layout plans for traffic signal and lighting systems.
- Interpret and implement design feedback and owner/client comments.
- Prepare design markups and collaborate with CAD staff to ensure accurate documentation.
- Review and comment on shop drawings and contractor submittals.
- Prepare comprehensive contract documents including tender items, quantities, specifications, and construction cost estimates.
- Conduct periodic site visits to assess existing conditions and identify potential design conflicts or adjustments.
- Coordinate with municipalities and clients daily.
- Conduct meetings with stakeholders to facilitate the design activities and process.

### **Education & Experience:**



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- Completion of a post-secondary education in Transportation, Electrical, or Civil Engineering Technology, or equivalent combination of education and related work experience.
- Minimum of 10–15 years of hands-on experience designing traffic signal and/or roadway lighting systems.

#### **Technical Knowledge:**

- Strong familiarity with Ontario Traffic Manuals, particularly OTM Book 5, 7, 12, 12A, and 15.
- Working knowledge of the IESNA RP-8 for Roadway and Parking Facility Lighting.
- Familiarity with the Ontario Electrical Safety Code and the Accessibility for Ontarians with Disabilities Act (AODA).

#### **Software Proficiency:**

- Proficient in MicroStation and/or AutoCAD for drafting and design.
- Skilled in lighting calculation tools such as AutoLux or AGi32.
- Competent in Microsoft 365.

#### **Other Skills:**



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- Excellent communication skills, both written and verbal.
- Strong organizational, time management, and problem-solving abilities.
- Exceptional spatial orientation and attention to detail.
- Ability to work independently or as part of a collaborative team, managing multiple tasks and competing priorities effectively.

Please e-mail resumes to [info@tslconsulting.ca](mailto:info@tslconsulting.ca)