

UTILITY STREETLIGHT INSPECTOR (OVERHEAD & UNDERGROUND UTILITIES)

Toronto, ON | Full-Time, Contract | Field Services

ABOUT NBM ENGINEERING

For over **35 years**, **NBM ENGINEERING** has been helping shape the infrastructure that keeps communities powered, connected, and moving forward. As a **trusted engineering and consulting firm**, we partner with municipalities, hydro utilities, and telecommunications providers across Canada to deliver Electrical and Civil Engineering Design, Compliance & Asset Management, Geomatics Support, and Project Management services.

At NBM Engineering, we believe great engineering creates lasting impact. Guided by our values of **integrity, collaboration, technical excellence, health and safety, accountability, and continuous improvement**, we empower our people to solve complex challenges, support critical infrastructure, and help build stronger, safer, and more sustainable communities for future generations.

ABOUT THE ROLE

Help keep communities safe, visible, and connected.

At NBM Engineering, our **UTILITY STREETLIGHT INSPECTORS** play a critical role in supporting the reliability and safety of public infrastructure. Through field inspections and detailed reporting, you'll assess streetlighting assets, identify deficiencies, and help ensure municipal and utility systems continue to operate efficiently and safely for the communities they serve.

This role is well suited for licensed Journeyperson Electricians holding a **309A Construction & Maintenance Electrician** or **442A Industrial Electrician** license who are looking to apply their technical expertise in a field-based inspection environment. Whether you're transitioning from hands-on electrical work or seeking a new opportunity within the utility sector, you'll contribute to meaningful projects that directly impact public safety and infrastructure reliability.

WHAT YOU'LL DO

As part of our team you will do:

STREETLIGHT INSPECTION AND QUALITY ASSURANCE

- Inspect new and existing streetlight installations along overhead and underground utility corridors.
- Verify compliance of streetlight assets with approved engineering drawings, utility standards, municipal specifications, and project requirements.
- Inspect and assess:
 - Pole alignment and condition
 - Luminaire installation and orientation
 - Grounding and bonding systems
 - Electrical connections and wiring
 - Operational functionality of streetlighting equipment
- Identify installation deficiencies, safety concerns, damaged components, non-functional assets, and clearance violations.

CONSTRUCTION MONITORING & CONTRACTOR COMPLIANCE

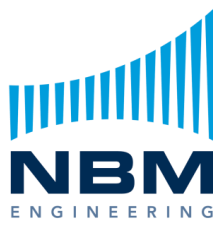
- Monitor construction and maintenance activities performed by contractors and third-party service providers.
- Confirm the use of approved materials, equipment, and installation methods.
- Verify that streetlight construction activities comply with utility, municipal, and regulatory standards.
- Escalate non-compliance issues and recommend corrective actions as required.

ASSET DOCUMENTATION & DATA COLLECTION

- Collect and maintain accurate streetlight asset information, including:
 - Asset identification and nomenclature
 - GPS coordinates
 - Photographic records
 - Field measurements
- Update asset management databases, GIS systems, and digital inspection records.
- Ensure all field documentation is accurate, complete, and audit ready.

TECHNICAL REVIEW & REPORTING

- Review and interpret engineering drawings, streetlight layouts, and utility construction plans.
- Prepare detailed inspection reports identifying observations, deficiencies, and recommended corrective actions.
- Maintain daily, weekly, and project-specific inspection logs.
- Document field findings and communicate status updates to project stakeholders.



STAKEHOLDER COORDINATION & COMMUNICATION

- Collaborate with Project Managers, Utility Coordinators, Engineers, Municipal Representatives, and Contractors.
- Communicate inspection findings, construction concerns, and operational issues in a timely manner.
- Participate in project meetings and field reviews as required.
- Support resolution of field conflicts and technical issues.

ASSET MANAGEMENT & EMERGENCY RESPONSE SUPPORT

- Assist with streetlight inventory audits and asset verification programs.
- Support outage investigations and reliability improvement initiatives.
- Participate in LED conversion, smart streetlighting, and system upgrade projects.
- Conduct emergency inspections related to:
 - Power outages
 - Traffic collisions
 - Storm damage
 - Extreme weather events
 - Public safety concerns

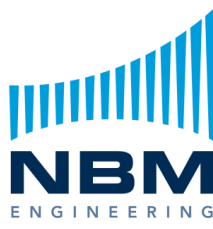
WHAT WE'RE LOOKING FOR

EDUCATION, LICENSES & CERTIFICATION

- Post-secondary diploma, degree, or certificate in:
 - Electrical Engineering Technology
 - Civil Engineering Technology
 - Utilities Engineering Technology
 - Related technical discipline
- Equivalent combination of education, utility experience, and field inspection experience may be considered.
- Either having Powerline Technician (Red Seal), 309A, or 434A, or 442A PLT license
- Valid Ontario Class G Driver's License with a clean driving abstract and ability to travel regularly throughout project and service areas.
- Traffic Control Person (TCP), Working at Heights, Electrical Awareness, or Utility Safety certifications are considered assets.

EXPERIENCE

- Experience inspecting utility, electrical distribution, streetlighting, or municipal infrastructure assets.
- Experience with overhead and underground streetlight systems.
- Experience supporting construction, maintenance, rehabilitation, or capital infrastructure projects is considered an asset.
- Experience with LED streetlight conversions, smart lighting technologies, and asset management programs is preferred.



TECHNICAL KNOWLEDGE

- Working knowledge of:
 - Ontario Electrical Safety Code (OESC)
 - Electrical Safety Authority (ESA) requirements
 - Utility construction standards and practices
 - Municipal streetlighting standards and specifications
 - Utility locating processes and right-of-way requirements
- Ability to read and interpret:
 - Engineering drawings
 - Utility construction plans
 - Electrical schematics
 - Streetlighting system layouts

TECHNOLOGY & SOFTWARE

- Proficient with Microsoft Office Suite (Excel, Word, Outlook, Teams).
- Experience using:
 - GIS platforms
 - Asset management systems
 - Mobile inspection applications
 - Digital field reporting tools
 - GPS-enabled data collection systems

WORK ENVIRONMENT & MOBILITY REQUIREMENTS

- Field-based role requiring site travel
- Must have own vehicle

CORE COMPETENCIES

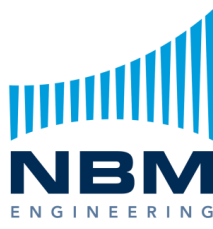
- Strong attention to detail and observational skills.
- Excellent problem-solving and analytical abilities.
- Effective verbal and written communication skills.
- Ability to work independently in field environments with minimal supervision.
- Strong organizational and time-management skills.
- Commitment to workplace safety and regulatory compliance.

WORKING CONDITIONS

- Field-based role requiring use of own vehicle to travel to various sites.
- Extensive walking outdoors over various terrain.
- Personal protective equipment (PPE) required as per safety standards

ADDITIONAL INFORMATION

- **Language of Work:** English
- **Work Authorization:** Eligible with valid Work Permit



COMPENSATION & BENEFITS

SALARY RATE:	30 to 50 CAD / HR
BENEFITS:	Mileage Reimbursement, Night Shift Differential Pay
ADDITIONAL:	None

HOW TO APPLY

Interested candidates are invited to complete:

☒ **Candidate Information Data Sheet** (required)

Please note: Applications will only be considered once both the Resume and Candidate Information Data Sheet have been received.

Join NBM Engineering and help shape safer, smarter, and more connected communities through innovative street lighting design solutions.

We thank all applicants for their interest. Only those selected for an interview will be contacted.

NBM Engineering is an Equal Opportunity Employer. Accommodations are available upon request throughout the recruitment process.