

PBX is looking for an experienced Intermediate Traffic Signals Technologist to join our dynamic Transportation team in Ontario.

Title	Job Posting #
Intermediate Signals Technologist	ONT-1011
Location	Salary Range
Ontario	\$80,000 to \$95,000

ABOUT PBX ENGINEERING

We are an electrical, systems, and software engineering firm, with offices in BC, Alberta and Ontario. For more than 26 years we have diligently curated steady growth to build a successful company of over 120 employees.

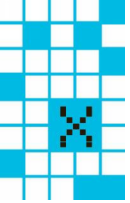
Our extensive, diverse, and award-winning project portfolio includes infrastructure that positively impacts the public and the communities where we all live and work.

ABOUT THE ROLE

Working closely with other senior engineers, the **Intermediate Signals Technologist** will be a member of the **Transportation** team.

In this role, the Intermediate Signals Technologist will assist in the design, implementation, maintenance, and troubleshooting of traffic signal systems and related infrastructure. Their work will directly contribute to improving road safety, traffic flow, and the overall efficiency of various cities transportation network. Other responsibilities shall include:

- Develop and review traffic signal and street lighting drawings, ensuring compliance with applicable standards and guidelines.
- Prepare technical reports, maintain detailed records, and ensure documentation is accurate and up to date.
- Assist in conducting traffic studies and analyzing data to develop optimized traffic signal timings for improved traffic flow.
- Client liaison and project management
- Prepare cost estimates
- Preparation of calculations and simulations
- Prepare specifications, reports, technical memos, and other project documentation
- Attend meetings
- Performing construction services, site inspections, and field reviews
- Providing technical guidance and mentorship of junior staff
- Assist with business development activities, as and when appropriate
- Preparation of electrical designs for traffic signals and lighting



- Preparation of electrical and systems design for Intelligent Transportation Systems (ITS) infrastructure including CCTV, Advanced Traveler Information Systems, Traffic Safety Systems, Active Traffic Management Systems.
- Performing system testing, commissioning, and troubleshooting

QUALIFICATIONS

CORE QUALIFICATIONS

The preferred and required skills of a successful candidate are listed below:

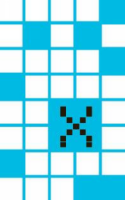
- Diploma or degree in Civil Engineering Technology, Electrical Engineering Technology, or a related field.
- Minimum of 4 years of experience in traffic signals or related infrastructure.
- Certification as a Traffic Signal Technician or equivalent (e.g., IMSA Level II) is preferred.
- Familiar with traffic signal controllers and hardware, including 170, NEMA and ATC standards.
- Awareness of Ontario Traffic Manuals, MUTCD, TAC guidelines, and other traffic engineering standards.
- Strong oral and written communication skills
- Effective interpersonal skills
- Eagerness to learn and a positive, professional attitude and demeanor
- Able to effectively deal with a high level of responsibility and demanding work schedule
- Knowledge of the Canadian and Ontario Electrical Code
- Strong computer skills including good working knowledge of the MS Office suite
- Ability to work in a fast-paced, dynamic environment, where demands and deadlines shift frequently

DESIRABLE QUALIFICATIONS

Beyond the core skills, there are particular qualifications that will set you apart. The successful candidate will likely have most or all of the following qualifications:

- Experience working on local municipalities or Ministry of Transportation Ontario
- Knowledge of the following areas are not mandatory, but are considered an asset to the position:
 - Experience with traffic engineering and signal timing
 - Experience with AutoCAD
 - Experience with AGI
 - PMP designation or similar
 - Synchro Model development
 - Traffic signal bench testing
 - Traffic signal and Intelligent Transportation Systems (ITS) commissioning and troubleshooting
- Genuine desire to make an impactful contribution to a place where you yourself can build a long term career.
- Eligible for registration as a CET with OACETT, EIT or P. Eng

While relevant experience is certainly an asset, we are far more interested in finding the right person and are willing to train.



BEING A PART OF THE PBX COMMUNITY

We believe in supporting the long-term career development of our staff through a diverse and challenging workload, industry engagement, and internal and external training. A quarter of our staff have been with us 10 years or more. We understand that only employees who feel valued, respected, and empowered are able to create the innovative solutions that set us apart and deliver the quality of work our clients have come to expect from us.

We apply the same effort in fostering a positive social environment as we do in developing innovative and successful projects. You'll be joining a firm that believes strongly in creating the kind of community-based work culture that people want to be a part of.

For the second year in a row, we have been recognized as one of Canada's Top Small & Medium Employers – an award we were very proud to have received, but we understand it must be continuously earned to have true merit. We continuously strive to make our firm the kind of place where people want to stay: our benefits package and approach to compensation are structured to support that goal.

Our comprehensive benefits package includes the following:

- Medical, Dental, & Vision Benefits, including long-term disability and life insurance
- Paid time off, including paid holidays, Sudden Illness, Injury & Childcare (SIIC) days
- A Maternity & Parental Leave Top Up Program
- RRSP contributions with company matching
- A Health & Wellness Incentive Program for things like gym memberships, recreational gear, and more
- An Employee Assistance Program
- Annual high performance bonus program based on company and personal performance
- Staff social events, team lunches, and high-quality swag you can actually use or wear with pride
- Hybrid work model

COMPENSATION

The range of compensation for this position is \$80,000 to \$95,000. This salary range is provided specifically for compliance to provincial legislation. The actual salary will depend on the skills, experience, and capabilities of the successful candidate relative to the role and may or may not land within the range specified above.

APPLICATIONS

Qualified applicants are encouraged to send their cover letter, resume, and references, via email to careers@pbxeng.com. Include “**Intermediate Signals Technologist - ONT-1011**” in the subject line.

Resumes will be accepted until position filled.