

Transportation/Traffic Engineer

At Great Northern Engineering Consultants Inc. (GNEC) we believe that people are our greatest asset. We provide an environment for employees that encourages them to perform to their highest potential, is respectful, and provides opportunities for their professional growth.

GNEC is a progressive engineering consulting company specializing in the design of: Roadway Lighting, Traffic Systems, Intelligent Transportation Systems (ITS), Building Systems, and Power Distribution. GNEC is a wholly owned subsidiary of TWD Technologies Ltd – and we are growing.

We are looking for a highly motivated individual to join our team as a **Transportation / Traffic Engineer**. The ideal candidate will be comfortable with minimum supervision and be results driven. This role will be based out of our Sherwood Park office.

What You'll Be Doing:

- Perform Project Manager functions on transportation planning and traffic engineering projects
- Undertake simple as well as complex transportation planning and traffic engineering assignments for roadways, highways, and transit facilities.
- Direct analysis and generate engineering products that may include reports, technical memoranda, traffic signal timings, traffic management plans, traffic impact studies, conceptual designs, technical specifications and other supporting documents, exhibits and drawings.
- Review and perform quality control checks for drawings and deliverables.
- Perform Engineer of Record functions
- Perform research into best practices and latest technology in the transportation industry.
- Undertake business development activities including proposal preparation, marketing, attendance at conferences, seminars, etc.
- Assist other engineers in carrying out technical tasks.
- Provide support and direction to junior staff.

What You'll Need:

- 4+ years of relevant and progressive experience with transportation planning and traffic engineering for roadways and highways.
- Strong written and verbal communication skills are required (English).
- Recognized Degree in Electrical or Civil Engineering or equivalent.
- P.Eng. registration with APEGA
- Valid Class 5 Motor Vehicle Operator's License
- Legally entitled to work in Canada.
- Experience on Alberta Transportation and other municipality transportation projects
- Strong understanding of traffic engineering fundamentals and analysis tools such as Synchro/SimTraffic, Sidra, HCS and VISSIM
- Detailed understanding of traffic signal operations, design and timing.
- Understanding of LRT, transit priority and rail pre-emption systems.
- Detailed understanding of pedestrian/cyclist facility design and operations.
- Experience in traffic control systems, Intelligent Transportation Systems (ITS) and communication systems.
- Working knowledge of AutoCAD and Microsoft Office products Word, Excel, etc. is required.



Benefits:

- Dental care
- RRSP Match
- Extended health care
- Vision care
- Vacation & paid time off
- Wellness programs

We offer competitive salary commensurate with qualifications and experience.

Please email your resume outlining your qualifications and experience in confidence to: careers@gnec.ca