

# Manitoba Government Job Opportunities

## **Traffic Analysis Engineer/Road Safety Engineer**

**Regular/Full-Time**

**Manitoba Transportation and Infrastructure**

**Traffic Engineering, Engineering & Technical Service**

**Winnipeg, Manitoba**

**Advertisement Number: 43119**

**Salary Range: \$85,506.00 - \$108,637.00 per year**

**Closing Date: October 23, 2024**

*The Manitoba government recognizes the importance of building an exemplary public service reflective of the citizens it serves, where diverse abilities, backgrounds, cultures, identities, languages, and perspectives drives a high standard of service and innovation. The Manitoba government supports equitable employment practices and promotes representation of designated groups (women, Indigenous people, persons with disabilities, visible minorities).*

*Employment Equity is a factor in selection for this competition. Consideration will be given to women, Indigenous people, and persons with disabilities.*

*An eligibility list may be created for similar positions and will remain in effect for 12 months.*

*Candidates who do not meet all essential criteria may be considered on an underfill basis at a commensurate rate of pay.*

**The Department of Transportation and Infrastructure is seeking qualified candidates to fill the following positions:**

- **Traffic Analysis Engineer on a regular/full-time basis**
- **Road Safety Engineer on a regular/full/time basis**

**Applicants ARE REQUIRED to indicate in their cover letter if they would like to be considered for one or both of these positions.**

**Copies of the position descriptions are available upon request.**

**Conditions of Employment:**

- Must be legally entitled to work in Canada.
- Must be registered or eligible for registration as a Professional Engineer with Engineers Geoscientists Manitoba (EGM) prior to hire.
- Must have a valid Manitoba Class 5F Driver's Licence
- Must be able to travel nationally and internationally by ground and air transportation and be away from home for extended periods of time.
- Must be able to work extended hours as required.

**Qualifications:**

**Essential (Both Positions):**

- Bachelor's degree in civil engineering or equivalent recognized by Engineers Geoscientists Manitoba
- Knowledge of and practical experience with the Manual of Uniform Traffic Control Devices for Canada (MUTCDC) and the Transportation Association of Canada's CRASH manual, Canadian Capacity Guide, HCM and applicable Provincial Acts and Regulations
- Experience interpreting construction plans, specifications, and contract documents
- Experience in policy writing
- Experience with planning, design and construction of projects and writing various technical documents to support project planning and execution.
- Knowledge of Occupational, Safety, Health & Risk Management policies and procedures
- Effective leadership and supervisory experience including planning, assigning, monitoring, and supervising the work of other professional and technical subordinates.
- Strong written communication skills including the ability to prepare information such as preparing work procedures, operating plans and various technical reports.
- Strong verbal communication skills including the ability to consult with various levels of management and diverse stakeholders to ensure project and work assignment efficiency.
- Strong interpersonal skills with the ability to build, foster and maintain positive and collaborative working relationships with various stakeholders.
- Strong analytical, research and problem-solving skills

**Traffic Analysis Engineer:**

**Essential:**

- Experience & comprehensive knowledge in traffic engineering, including Traffic Monitoring, Intersection Analysis, Warrant Analysis, Pedestrian/Active Transportation Safety, In-Service Road Safety Reviews and Road Safety Audits
- Experience in Synchro, Sim Traffic, SIDRA, and other relevant traffic engineering software

**Duties:**

Reporting to the Traffic Services Engineer, the Traffic Analysis Engineer provides specialized engineering functions encompassing pedestrian/active transportation safety issues, managing collision records, school zone safety, intersection/network operational analysis, signal warrant evaluations, speed limit

reviews, as well as Policy and Standards reviews/updates. They are responsible for overseeing the management of the traffic collision database for the provincial highway system, including the coding of reports received from MPI/RCMP and the analysis of collision data for the purpose of identifying locations for possible improvements. They manage or conduct safety and operational analyses of in-service and proposed road elements, as well as arranging appropriate collection of all relevant traffic data and other contributing factors as they relate to safe highway and intersection operations. They will assist in prioritization of recommended safety improvements across the provincial highway system, based on on-going systemic evaluation and/or network screening methodologies.

### **Road Safety Engineer:**

#### **Essential:**

- Experience & comprehensive knowledge in the fields of Road Safety and Traffic Engineering, including systemic and site-specific road safety management approaches, In-Service Road Safety Reviews, Road Safety Audits, as well as Vision Zero principles and the Safe System Approach
- Experience carrying out road safety projects, reviews, and studies including developing countermeasures for key road safety issues and prioritizing road safety improvements.

#### **Desired:**

- Certification as a Road Safety Professional (Level 1) with the Transportation Professional Certification Board or the ability to obtain the certification within 12 months of starting the position.

#### **Duties:**

Reporting to the Manager of Road Safety, the Road Safety Engineer is a technical expert within the Road Safety Section of the Traffic Engineering Branch and provides specialized Road Safety engineering services in support of the Department's Road Safety initiatives. This position makes technical decisions and provides advice and recommendations to senior branch management to support decision making and is responsible for a wide range of stewardship functions related to road safety for all the department's minor and major transportation improvement projects, including prioritization of recommended safety improvements across the provincial highway system, based on on-going systemic evaluation and/or network screening methodologies. As the Project lead for Road Safety, this individual provides technical advice across municipalities, regions, program areas, departments, etc. and collaborates extensively with stakeholders throughout the province. They review, approve, and provide recommendations on work of other non-specialist engineers for deviations from standards, practices, department policies, etc. and provide support for the majority of daily and longer-term safety-related operations through policy development and Safety Audit initiatives.

### **APPLY TO:**

**Advertisement No. 43119**

**Talent Acquisition – Executive Recruitment**

**Human Resource Services**

**608-330 Portage Avenue**

**Winnipeg, MB. R3C 0C4**

**Phone: 204-945-6892**

**Fax: 204-945-0601**

**Email: [PSCExecutivejobs@gov.mb.ca](mailto:PSCExecutivejobs@gov.mb.ca)**

*Applicants may request reasonable accommodation related to the materials or activities used throughout the selection process.*

*When applying to this position, please indicate the **advertisement number** and **position title** in the subject line and/or body of your email. Your cover letter, resumé and/or application must clearly indicate how you meet the qualifications.*

*Please be advised that job competitions may be grieved by internal represented applicants. Should a selection grievance be filed, information from the competition file will be provided to the grievor's representative. Personal information irrelevant to the grievance and other information protected under legislation will be redacted.*

*We thank all who apply and advise that only those selected for further consideration will be contacted.*

