Engineering Project Coordinator

As one of the fastest growing cities in Canada, City of Surrey is a globally recognized leader in building vibrant, sustainable communities through technology and innovation. City of Surrey employees are talented innovators, inspired by meaningful work and the opportunity to drive our city—and their careers—forward. Build a City. Build a Future in the City of Surrey.

Scope

You will join the Transportation Networks & Strategic Projects Team, dedicated to technical work in transportation network analysis, planning, and multi-modal infrastructure design. You will apply critical thinking and rigor to evaluate the effects of land development, capital projects, and regional network changes on transportation across the city. You will demonstrate a keen interest and attention to detail in advancing the design and coordination of projects affecting multiple modes of transportation at a regional scale.

Responsibilities

- Apply and support transportation policies and principles from the Surrey Transportation Plan, Vision Zero Road Safety plan and other aspects of urban transportation including transit, walking, cycling and goods/vehicle movements.
- Prepare technical documents including terms of references, inter-office memos and presentations.
- Represent the City as you connect and communicate with engineering consultants, developers, external agencies, and members of the public; attend public information and engagement meetings as required.
- Conduct research and perform technical assessments, including field reviews, collection, and analysis of available external and internal data sources; for example, data from travel sensors, traffic count databases, and intersection video footage, among others, as collected by the Division's deployment of Intelligent Transportation Systems (ITS).
- Administer and manage contracts with technical consultants to support planning and analysis of road networks and required transportation infrastructure. Review transportation analysis reports (TIA's, planning studies) for regional network changes, neighbourhood land use plans, and individual land development applications across the City. Confirm compliance with requirements and provide recommendations for transportation network improvements.
- Develop and evaluate signal timing plans for intersection and corridor optimization, safety improvements, and network modifications.
- Prepare, review, and evaluate conceptual and detailed designs for multi-modal intersections, complying with standards and best practices to enhance efficiency and safety.
- Assist in the development and implementation of short- and long-range capital plans, including evaluating and prioritizing transportation network improvement projects (e.g. intersection upgrades, corridor widening).

Qualifications

- Completion of a two-year diploma in Engineering Technology from a recognized post-secondary institution.
- Minimum of 5 years of related engineering experience with a demonstrated record of technical knowledge, skills and ability and supervisory experience in the relevant areas of engineering and/ or an equivalent combination of education and experience.
- This position requires a valid B.C. driver's license.

Assets include:

- Knowledge of transportation engineering design principles relevant to an urban context, including vision zero, transit and active transportation guidelines. Knowledge of BC Motor Vehicle Act, City Bylaws, and other relevant regulations and legislation. Experience in the public sector, and/or as a consultant on municipal transportation projects is an asset.
- An understanding of traffic signal timing principles and associated measures of effectiveness, including delay and queue lengths. Experience and proficiency with transportation modelling and analytical tools, such as microsimulation software, travel demand forecasting models, and/or intersection capacity analysis software (Synchro/SimTraffic, PTV Suite, EMME) is an asset.
- Have knowledge of and interpret construction drawings of transportation infrastructure systems, including civil (geometric, signs/markings), electrical/ITS and other underground services/utilities. Experience and proficiency with GIS tools and CAD software (ArcGIS, AutoCAD, BlueBeam) is an asset.
- Strong interpersonal and communication skills with the ability to adapt to a wide variety of stakeholders, including internal municipal staff.
- Excellent organizational and time management skills.
- The ideal candidate will have a genuine interest in all aspects of sustainable multi-modal transportation and enjoy working in a collaborative and high performing environment.

Other Information

- Successful applicants must provide proof of qualifications.

Pay Steps	Hourly Rate
Step 1	$47.52
Step 2 (6 Months)	$49.52
Step 3 (18 Months)	$51.52
Step 4 (30 Months)	$53.84

This Posting Closes on March 22, 2024.