

Transportation Engineer (Travel Demand Modelling)

Surrey, BC

About the Opportunity

Our thriving Surrey office is looking to hire a Transportation Engineer to enhance our current professional practice. Our teams work closely with our clients to solve complex, multi-stakeholder transportation issues through the delivery of high-quality concept development, functional engineering, detailed design, and delivery of transportation infrastructure. Our work includes all types of transportation infrastructure to support the movement of people and goods, including highways, urban roads, and active transportation corridors.

The continuing demand for innovative solutions in transportation design and engineering has prompted our search for a talented and motivated individual. In this role, you will have the opportunity to support and lead a variety of projects for clients throughout Western Canada.

Coupled with the diverse learning and project experience opportunities, do you see yourself excited to contribute to...

- Guiding and developing analysis to support transportation planning, design, and decision-making at all scales, including community-wide, neighbourhood, and corridors – both urban streets and highways.
- Provide technical guidance for junior EITs and expertise on the following topics: transportation demand modeling, sub-area modeling, travel demand model validation and calibration, and travel demand model application.
- Technical writing and communications, including the preparation of engineering documents for delivery to technical and non-technical audiences.
- Prepare presentations for client and internal working groups.
- Lead and provide engineering support on a broad range of transportation planning and engineering projects, including multi-modal plans, corridor plans, and neighbourhood and local area plans.
- Strengthen our relationships with local, regional, and provincial government agencies by providing exceptional, technically sound service that provides deliverables unique to each assignment, tailored to suit the specific needs of each client and stakeholder.
- Other tasks as required.

About You

Given the variety of project needs, we will consider candidates who have 3-7 years of experience as an EIT or are registered as a Professional Engineer (P.Eng.) in Western Canada with a range of experience, education, and backgrounds in transportation. Typical

qualifications would include an undergraduate or graduate degree in Civil Engineering. In addition, the following attributes would be considered of great benefit to this role:

- Direct experience with TransLink's Regional Transportation Model.
- Extensive experience with travel demand modeling using software such as INRO EMME and PTV Visum.
- Experience with Python coding.
- Experience with Activity Based Models is an asset, but not required.
- Strong written and oral communication skills, with the ability to synthesize, distill, document, and effectively communicate complex technical concepts to non-technical audiences.
- A practical and collaborative approach to problem-solving, with a keen eye for detail.
- The ability to listen to others to develop and nurture positive interpersonal relationships with people from varying backgrounds, including colleagues and clients.
- Experience working in a consulting environment, including a demonstrated ability to deliver on multiple assignments in a dynamic environment is an asset.
- An interest in working with different scales and contexts, from developing technical transportation models to supporting multi-modal transportation plans.
- An aptitude for problem-solving, researching and analyzing information, and clearly communicating the results in verbal or written format.
- Committed to ongoing personal, professional, and practice development.

About Us

Urban Systems is an employee-owned interdisciplinary community consulting firm with deep Canadian roots. We are united in our mission to transform communities everywhere into vibrant places where people want to live today, tomorrow, and forever.

At Urban Systems, vibrant communities are everything—including our own work community. Since 1975, we have grown to more than 700 people with 18 offices across Canada. Every day, our purpose-driven team works closely with our clients and their communities to deliver impactful work. We are proud to work with diverse clients, including Indigenous communities, all levels of government, commercial and residential land developers, and the natural resource sector.

We care for our communities and for our people. It's our differences that make us exciting, and our shared belief in Urban Systems that binds us together. We're searching for the creative and passionate and the curious and courageous to join us in creating meaningful and generational change in communities.

Our Commitment to You

Are you looking for opportunities to participate in challenging projects and work with multiple stakeholders? Join a diverse and supportive group of professionals at Urban Systems and take part in impactful work building vibrant communities across Canada. Here's what you can expect as a team member at Urban Systems:

- **Competitive Compensation and Benefits.** You'll receive competitive compensation, extended health, dental, vision care coverage, and more. **This position will have a salary range of \$85,000.00 - \$120,000.00 per year based on a 40-hour work week.** The range is negotiable based on your skillset and experience.
- **Paid Time Off.** We encourage all team members to take time off to recharge and spend time with loved ones. Enjoy 3 weeks of paid vacation to start, in addition to statutory days off throughout the year.
- **Learn and grow.** Your professional growth & development is supported here. You are encouraged to take initiative and shape your career through coaching, in-house learning, technical courses, and more.
- **Work with Interdisciplinary Teams.** Amazing things happen when you mix creativity, curiosity, teamwork, and a strong desire to collaborate and innovate. You will be part of diverse, inter-disciplinary teams to deliver important projects for our clients and their communities.
- **Flexible Hours & Work Environment.** You have a life outside of work. We offer flexibility in your work schedule and work environment to help you do your best work and meet your commitments.
- **Saving for the Future.** To help you achieve your long-term retirement goals, we offer a Long-Term Matching Program that matches your contributions to an RRSP or TFSA.
- **Support through Transitions.** You will be supported through life's moments and transitions, big or small, including generous top-up for parental leave.
- **Create Lasting Community Impact.** *98% of Urban Systems employees believe that the work we do is important. Join a team of like-minded leaders and work together to bring impactful community projects to life!*

How to Apply

If this describes your background, skills and attributes, please visit our website for more information and submit your resume and cover letter. If it doesn't describe you exactly, but you feel you are well suited to this opportunity, we encourage you to apply.

Urban Systems is an equal opportunity employer. We strive to create an inclusive culture for all employees. Our clients come from all walks of life, and so do you. We believe that diversity and unity amongst our teams leads to building vibrant communities.

Deadline for applications: **Tuesday, May 7, 2024, at 9:00 am PDT**