



Job title: Lead Planner - Intelligent Transportation Systems  
Job ID: 20240515  
Location: Greater Vancouver  
Full/Part Time: Full-Time  
Regular/Temporary: Regular

## **Marketing Statement**

A career at TransLink and our family of companies means working with people with a wide range of skills and perspectives, all teaming up towards a common goal: preserving and enhancing the region's world-envied quality of life. Together, we connect the region and enhance its livability by providing a sustainable transit and transportation network, embraced by our communities and people.

At TransLink we are dedicated to building a workforce that reflects the diversity of the communities in which we live. We're committed to fostering an inclusive, equitable and accessible workplace, recognizing the unique value and skills every individual brings.

Looking for a great place to work where your contributions are valued, and you can make a difference in a vibrant city? At TransLink, one of BC's Top Employers, you'll help make Metro Vancouver a better place to live, built on transportation excellence. Put your future in motion!

## **Responsibilities**

### **PRIMARY PURPOSE**

In pursuit of making the region a better place to live for everyone, built on transportation excellence, this role provides strategic oversight and technical direction for one or more programs/projects of high impact, risk, and complexity that are highly visible and sensitive in nature.

### **KEY ACCOUNTABILITIES**

To advance Enterprise and regional goals, provides direction, critical thinking, and structured decision-making expertise to strategize, lead and manage the development of transportation planning policies, plans and strategies, including the planning, finance, and operation of projects and initiatives across the enterprise, ensuring compliance with Enterprise standards, policies



and procedures, and legislative requirements for work of high impact, risk and complexity, exercising independent judgment where policies or guidelines do not exist.

In support of evidence-based decision-making, identifies analytical research needs, conducts research and advanced analysis, and oversees the development of advanced methods, techniques, and models to ensure successful delivery and execution of work that is of high impact, risk and complexity.

Contributes as a key member of a program team to manage projects of high impact, risk and complexity in designing and developing project scope, schedules, and work plans; defining and prioritizing deliverables; preparing and monitoring project budgets, ensuring compliance with department standards, policies and procedures, and the alignment to program, Enterprise, and regional goals, identifying and taking action on project-related risks and opportunities, alerting management and executive to critical risks. Identifies and resolves project issues related to scheduling, resourcing, cost-overruns, conflicting agendas and technical issues.

Manages program resources including providing coaching and mentoring to projects team, monitoring the achievement of milestones/deliverables, and providing input to performance management to ensure service and quality standards, budgets and project deliverables are adhered to.

Seeks to understand the lived experience and transportation needs of people and businesses in Metro Vancouver, and especially of disadvantaged and marginalized groups. Applies this understanding to plans/projects and actively coaches others on how to ensure their planning practice is informed by this understanding.

Collaborates with leaders and project sponsors across the organization, with a view to scoping out project requirements and strategizing on project deliverables, troubleshooting and resolving problems as required, often with no previous precedent or set parameters. Identifies the needs of technical/policy research and analysis and applies strategic consideration on analytical outcomes. Leads the development of reports and delivers presentations to senior management.

Scopes, plans, presents and leads interactive discussions with Executives, elected and appointed officials, including the Board and Mayors' Council.

Nurtures collaborative relationships with internal colleagues, appointed and elected policymakers, and external stakeholders including advisory committees, staff at other government and public agencies, and other organizations and interest groups, to understand needs, maintain open communication and proactively resolve issues of high impact, risk and



complexity. These issues are typically highly visible, and often with no previous precedent or set parameters.

In support of advancing Enterprise and regional goals in open, inclusive and collaborative ways, collaborates with internal stakeholders to design and oversee public, stakeholder, and partner consultation processes; represents TransLink to external audiences on issues of moderate to high impact, risk and complexity, including in highly visible public forums; considers the outcomes in the feedback report from the public consultation in the context of projects and program area; highlights critical issues for senior leaders.

Manages relationships with contractors and consultants, providing work direction and overseeing contract compliance. Approves remedial actions related to contracts and projects within authority limits.

Manages reporting staff, including selection, development, performance management and other people practices.

## **Qualifications**

### **EDUCATION AND EXPERIENCE**

Typically requires a Master's degree (in Planning, Public Policy, Engineering or a related discipline), plus seven (7) years' experience with progressively increasing levels of responsibility, with significant project management accountability and structured decision analysis in an agency specializing in planning or transportation.

### **OTHER REQUIREMENTS**

Advanced knowledge of the principles, theories, concepts and practices of complex, multi-stakeholder planning.

Advanced ability to lead all aspects of plan development, project management, and project teams.

Solid Expert knowledge of plans, products, roles and responsibilities of government agencies.



Solid understanding of the regional transportation authority, transportation and land use planning, social planning, related engineering process, modelling, finance mapping, legal and statutory processes, political structures and governance.

Advanced analytical skills including the ability to identify and assess the impacts of project-related risks and opportunities in an integrated, multi-disciplinary, highly sensitive environment.

Advanced written and oral communication skills including the ability to compose and deliver reports and presentations to a variety of audiences at all levels and to facilitate meetings.

Advanced interpersonal skills including the ability to achieve consensus between internal and external groups. Includes negotiation skills as they pertain to contracts, multi-party agreements and conflict resolution.

Advanced decision-making skills to make recommendations/resolve transportation planning and project-related issues, and conflict resolution skills to mitigate and minimize project risks and issues.

### **Other Information**

Recruitment Process: An applicant will be required to demonstrate their suitability for this position by meeting the minimum level of qualifications and experience in order to be invited into the selection process. A standard interview format will be used including general, scenario and behavioural descriptive interview questions.

The Lead Planner Intelligent Transportation Systems (ITS) will drive and coordinate ITS-projects across departments including leading the creation of standards and best practices, engaging with municipalities across Metro Vancouver when needed, and assisting in executing pilots, preparing plans, and technical roadmaps for ITS.

ITS for Bus Rapid Transit (BRT):

The Board and Mayors' Council have asked the BRT Program team to launch up to three BRT corridors within the next three years along King George Boulevard, Langley – Haney Place, and Metrotown – North Shore R2 Extension.

Intelligent Transportation Systems (ITS) refer to a broad range of technologies, applications, and communication systems that are integrated into transportation infrastructure and vehicles to



enhance safety, efficiency, and sustainability in transportation networks. ITS utilizes advanced information and communication technologies to improve the overall performance of transportation systems and services.

The three ITS focus areas initially selected for delivery in the workstream are: Transit Signal Priority (TSP), Automated Bus Lane Enforcement (ABLE), and Advanced Active Headway Management (AAHM). Especially Transit Signal Priority (TSP) is seen as an integral and critical component of TransLink's investments in Rapid Bus and BRT. The Enterprise must quickly get up to speed on the current state of play on advanced TSP strategy and implementation. The planning and implementation of TSP are complex and spans several areas of work, such as Automated Bus Lane enforcement and Curb Regulation, Advanced Headway Management, Bus Priority/BRT, Major Road Network and road network strategy, and is in need of a highly coordinated effort moving forward.

Other ITS-areas of interest:

Another example of ITS is work the Enterprise has started on a Real-time Mobility Management System (RMMS). RMMS is a secure and reliable central repository and clearinghouse for a wide variety of urban data, including mobility data, that would help facilitate real-time transport system optimization and Mobility-as-a-Service.

RMMS has the following purposes:

- a. Retrospective planning analysis and forecasting input,
- b. Auditing and enforcement of license terms and conditions in support of regional and local objectives,
- c. Dynamic system management, and
- d. Enabling an open and competitive Mobility-as-a-Service ecosystem.

A feasibility study on RMMS is planned for fall 2024 in parallel with several pilots in 2024/2025 ingesting and analyzing data such as Road Use Measurement (using traffic cameras and artificial intelligence), Curb-Side Management (shared micromobility devices and parking), and Mobility-as-a-Service (enabling multi-modal trip planning and payment). Several other projects and nascent strategies around digitalization are starting up in 2024/2025 and it is important that investments and architecture will be aligned across the Enterprise.



The organization's main tasks and responsibilities are:

The ITS Lead Planner will sit in the New Mobility Team in the Transportation Planning and Policy Department and report to the Senior Manager, Innovation Management and New Mobility. TransLink has created a New Mobility Team which is spearheading TransLink's innovation practices in new mobility.

New mobility leverages developments in shared, automated, connected, and electric mobility, communications, and payment technology, travel demand management, and user experience research within a multi-modal and multi-partner environment. The New Mobility Team is responsible for the ideation, evaluation, and implementation of new ideas. The ultimate goal is to keep TransLink innovative in a rapidly changing mobility landscape, in order to enable seamless and efficient door-to-door mobility for people and goods, ensure affordable and equitable access for all, and promote safe, healthy, clean, and compact communities.

The successful candidate will be working in a matrixed team with other team members in Systems Engineering, Business Technology/IT, Coast Mountain Bus Company, and BRT/Bus Priority and tasked to lead Planning initiatives for Intelligent Transportation Systems (ITS) program within the larger Bus Rapid Transit (BRT) enterprise initiative.

Main tasks of the Lead Planner, ITS are:

Conducting best practice reviews to develop and document requirements for development, execution, and evaluation of ITS

Coordinating and help align ITS with the overall strategy as well as transportation planning for the Enterprise

Engaging internal and external stakeholders to drive ITS-projects and help assure that privacy, legal, technical, and other considerations are met.

Preference is given towards candidates who have:

Technical Proficiency:

Familiarity with ITS Components: Understanding of various components of an ITS, including traffic signal systems, variable message signs, adaptive traffic control systems, etc.

Connected and Autonomous Vehicles (CAV): Knowledge of technologies related to CAV and their integration into transportation systems.

Programming and Software Development: Knowledge of programming languages (e.g., Python, Java) and software development skills to design and implement ITS solutions.



**Data Analysis:** Proficiency in data analysis tools and techniques to interpret and derive insights from transportation data.

**Networking:** Understanding of networking principles for communication between different components of ITS.

**GIS (Geographic Information System):** Familiarity with GIS tools for spatial analysis and mapping in transportation planning.

**Sensor Technologies:** Knowledge of various sensor technologies used in transportation systems, such as cameras, radar, LiDAR, and GPS.

**ITS Security:** Understanding of cybersecurity principles as they relate to protecting transportation systems from cyber threats.

#### **Project Management and Communication Skills:**

**Stakeholder Management:** Ability to communicate effectively with various stakeholders, including government agencies, transportation departments, and the public.

**Interdisciplinary Collaboration:** Ability to work collaboratively with professionals from various disciplines, including urban planning, civil engineering, computer science, and data science.

**Documentation:** Strong documentation skills for preparing reports, specifications, and documentation for ITS projects.

**Project Planning and Execution:** Skills in planning and executing ITS projects, including budgeting, resource allocation, and timeline management.

**Adaptability:** Given the evolving nature of technology and transportation systems, an ITS expert should be adaptable and willing to learn new technologies and methodologies.

#### **Transportation Engineering and Planning:**

**Traffic Engineering:** Understanding of traffic flow, signal control, and road design to optimize transportation systems.

**Transportation Modeling:** Ability to develop and use transportation models to simulate and analyze traffic patterns and scenarios.

**Traffic Management Systems:** Knowledge of systems for traffic monitoring, control, and optimization.

#### **Regulatory Knowledge:**

**Understanding of Regulations:** Knowledge of relevant transportation regulations and standards governing ITS implementation.

### **Work Schedule**

37.5 hours per week.

### **Work Designation**

Hybrid



This position offers the flexibility of working both on-site and remotely within B.C.

### **Rate of Pay**

Salary \$112,996 - \$141,245 per annum (Actual salary offered will be commensurate with education, experience and internal parity).

The Total Compensation Package includes Extended Health, Dental, Transit Pass and enrollment in the Public Service Pension Plan. Focus on your development through tuition reimbursement, training, and mentorship programs. Enjoy a variety of health and wellness programs, including access to gym facilities. Speak to us to know more about what we offer.

### **How to Apply**

Please click the 'Apply' button at the top right corner of the page or go to <http://www.translink.ca/careers> to apply for this position and view instructions on the process.

**INSTRUCTIONS:** Please save your (1) cover letter, and your (2) resume as one pdf document prior to uploading your application on-line.

Posting Date: July 3, 2024  
Closing Date: Open until filled

Please note that only those short listed will be contacted.

Having trouble applying? Please view the System Requirements & FAQ's by going to <http://www.translink.ca/careers>.

### **Equal Employment Opportunity**

TransLink is committed to employment equity and building a diverse workforce, representative of the customers we serve and the many communities in the Metro Vancouver region. We welcome and encourage Indigenous applicants, people of colour, all genders, 2SLGBTQ+ and persons with disabilities to apply. Learn more about TransLink's commitment to equity, diversity and inclusion.





Accommodations are available on request for candidates taking part in all aspects of the selection process. For a confidential inquiry, simply email us at [jobs@translink.ca](mailto:jobs@translink.ca).