



Job title: **BCRTC – Senior Electrical Engineer**
Job ID: 20220834
Location: Greater Vancouver
Full/Part Time: Full-time
Regular/Temporary: Regular

Join a company that has been a part of moving Metro Vancouver for over 35 years.

British Columbia Rapid Transit Company Ltd. (BCRTC) maintains and operates the Expo and Millennium SkyTrain Lines from our central facilities in south Burnaby. Our services connect downtown Vancouver to the cities of Burnaby, New Westminister, Coquitlam, Port Moody and Surrey. With the future expansion of both the Expo and Millennium Lines gathering pace, infrastructure renewal and new asset acquisition projects underway, this is an exciting time to join our team of over 1,200 dedicated employees, working on one of the longest fully-automated rapid transit systems in the world.

Our work encompasses roles such as administration, engineering, elevator and escalator maintenance, field operations, vehicle maintenance, and wayside (station and guideway) maintenance.

When you work for SkyTrain, not only will you help move Metro Vancouver, you will also have access to comprehensive benefits including paid vacation, medical benefits, transit passes, training and more. We are a proud equal opportunity employer, committed to a diverse and inclusive workforce.

Come explore what makes us one of BC's Top Employers!

Responsibilities

PRIMARY PURPOSE

As the asset owner, applies senior level engineering expertise to the assets and systems in the designated discipline and supports the safe, reliable, and efficient rail transportation service delivery within an integrated, multi-jurisdictional environment.

KEY ACCOUNTABILITIES

Leads the engineering and technical aspect in the development and refinement of asset engineering, management and maintenance strategy in ensuring the reliability, availability, maintainability and safety of BCRTC assets. Provide senior level engineering support, technical input and advice to the Annual Maintenance Plan, Asset Renewal Plan and capital replacement plans. Develops, reviews and refines engineering standards, policies and procedures for asset maintenance and capital projects to ensure the alignment with regulations, codes and industry best practices.

Provides innovative, senior engineering advice and guidance to asset maintenance and capital projects on safety, quality assurance, compliance and asset performance. Monitors asset performance, leads the investigation on significant failures and develops robust and reliable solutions. Plans and recommends asset changes and improvements to maximize asset performance and efficiency with the consideration on cost, quality, security and environmental impact. Conducts practical and theoretical analysis to discover solutions to engineering problems. Develops reports/recommendations and presents to senior leadership team. Assesses and communicates technical impacts, and implication of operational decisions and needs to internal/external stakeholders.

Identifies, reviews and selects techniques, procedures and methods to perform engineering assignments. Investigates and reviews best industry practice in rail operations and asset maintenance and recommends changes to BCRTC practice. Investigates and reviews existing and emerging technology and recommend applications to the SkyTrain systems. Develops business case for introducing new practice and new technology, and manages the implementation.

Leads the technical aspect of capital and non-capital projects of high complexity and risks. Reviews and approves the technical specifications, drawings and documentations regarding the assigned projects. Represents BCRTC engineering at various project meetings with internal and external stakeholders.

Reviews and approves asset configuration control documentations. Develops, reviews and refines configuration control procedures for asset maintenance.

Forms strong partnerships and develops trusted, productive and highly responsive interactions with key stakeholders in BCRTC and across the enterprise.

Supervises reporting staff, including all people practices such hiring, training and development, coaching, monitoring and performance management.

Qualifications

At least five years of relevant electrical engineering work experience including activities such as design, construction, installation, troubleshooting, testing and start-up of equipment and systems.

Registered as a Professional Engineer with APEGBC.

Experience with rolling stock equipment (propulsion systems, door systems, auxiliary power systems, vehicle electrics) is an asset.

Working knowledge with components of rail transit vehicles, wayside traction power, brake systems.

Experience with Communications Based Train Control systems, railway signaling, programmable controllers and electronic control is an asset.

Proven Supervisory experience in a multi-discipline work environment and experience in project management. Excellent verbal, written communication and interpersonal skills.

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.

Work Schedule

40 hours per week.

Rate of Pay

Salary starting from \$97,874 per annum

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 visit our [Career Page](#) to apply for this position.

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

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 page](#).

If you have questions, please connect with us at jobs@bcrtc.bc.ca.

Equal Employment Opportunity

SkyTrain 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@bcrtc.bc.ca.