

BCRTC Job Posting

Posting Title: BCRTC Technical Analyst - Electrical

Job Opening ID: 20170740

British Columbia Rapid Transit Company Ltd. (BCRTC) maintains and operates two of Metro Vancouver's three SkyTrain lines on behalf of TransLink, the regional transportation authority. Launched in 1986, SkyTrain is the first and one of the longest, fully-automated, driverless, rapid transit systems in the world. It boasts an average on-time service performance rating of 95 per cent and moves on average 250,000 passengers per weekday.

Responsibilities

PRIMARY PURPOSE

As an Electrical Technical Analyst, you will perform technical investigation and analysis of failures and other technical problems related to both Rolling Stock Fleet and Railway Infrastructure Assets. Explore options and makes recommendations on alternative parts, repairs or procedures. Perform trend and cost benefit analyses.

KEY ACCOUNTABILITIES

- Investigates part, system and sub-system failures and other technical procedural problems encountered in both the Railway Infrastructure Assets and Rolling Stock Fleet, including assessment of the parts involved, in-depth analysis of the electrical performance and condition of traction power substations, station power distribution, rolling stock fleet vehicles; and definition and coordination of tests to be conducted internally or by manufacturers or consulting engineers.
- Analyzes the results of the investigation to identify the cause of problems and explores various options to resolve problems; researches alternative equipment/suppliers; prepares cost-benefit analysis of repairs, replacement, etc. and recommends the best alternative to Engineers.
- In conjunction with Engineers, develops electrical design specifications for special parts and equipment and tests prototypes.
- Analyzes maintenance procedures and identify areas to modify based on failures, testing, and to conform to applicable industry standards. Recommends modification to Engineers.
- Conducts qualitative analyses of electrical vendors and consultants to assess their qualifications for supplying services, parts and equipment required; develops and communicates specifications to vendors and, within established budget, approves the supplier and the purchase of specific parts/equipment.



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- Audits and analyzes efficiencies and effectiveness of inspections.
- Forecasts Electrical maintenance requirements and develops new or revised maintenance schedules.
- Investigates perceived problems such as discrepancies in parts shipments and resolves concerns.
- Coordinates Engineering Assets electrical tests with other maintenance departments.

Qualifications

Education & Experience:

Electrical/Electronics Engineering Technology diploma, qualified for registration with Applied Science Technologists & Technicians of BC (ASTTBC) Five (5) years' experience, preferably in transportation, in technical analysis of parts and system performance or in a relevant Engineering field in designing, commissioning, and maintaining of electrical equipment.

Other Requirements:

- Working knowledge of traction power substations, rail transit vehicles, and automatic train control
- Working knowledge of Power distribution equipment, industrial electronics, and PLC
- Working knowledge of electrical and safety standards such as Canadian Electrical code, CSA Z462, and ANSI/NETA MTS is an asset
- Solid ability to develop and design concepts and draft CAD drawings for equipment adaptations is required
- Solid written and verbal communication skills to write and deliver well-prepared comments, procedures, reports and presentations
- Demonstrated computer skills, proficiency in Excel and database
- Solid interpersonal and analytical 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.



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Medical Assessments of Fitness for Duty

In accordance with the Canadian Railway Safety Act - Railway Medical Rules: Section 3.2, employees who work in or transfer into safety sensitive or safety critical positions are required to undergo pre-placement and periodic medical assessments that evaluate the impact, if any, of medical conditions on fitness for work.

Work Schedule

40 hours per week

How to Apply

Please 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.

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>.

British Columbia Rapid Transit Company is an equal opportunity employer.

