


Position Identification			
Position Title	Fleet Maintenance Engineer		
Position Replaces	N/A		
Position Level	Employee	Position Code	1429
Pay Group	Group 12	Revision Date	Nov-18
Supervisor Title	Supervisor, Fleet Maintenance Engineering and Warranty	Sup. Position Code	1776
Additional Requirement	CRC	N/A	
Exclusion Rationale	N/A	On-Site Requirement	2 days/ week
Division	Asset Management		

Organizational Description

BC Transit is a provincial crown corporation responsible for the overall planning and delivery for all of the different municipal transportation systems within British Columbia, outside Greater Vancouver.

Our Mission: Delivering transportation services you can rely on

Department Summary

Fleet Management is accountable for the delivery, technical governance, and lifecycle stewardship of BC Transit's bus fleet, and select maintenance and operations service vehicles across the province. The department ensures fleet projects are planned, delivered, operated, and maintained in a manner that is safe, reliable, sustainable, and aligned with operational requirements. This includes oversight of business readiness, technical standards, asset condition and performance, and coordination with interested parties to support the long-term functionality and sustainment of fleet assets.

Job Overview

Reporting to the Supervisor, Fleet Maintenance Engineering and Warranty, the Fleet Maintenance Engineer supports the development, implementation, coordination and sustainment of BC Transit's provincial fleet maintenance program in the areas of fleet maintenance, reliability engineering, fleet technical documentation and fleet innovation.

Key Accountabilities and Expectations	
Key Accountability	Expectation
Fleet Maintenance	<ul style="list-style-type: none"> Identifies need and develops procedures for campaign work. Campaigns may be required for safety, product improvement, regulatory requirements, or other similar reasons. They may be issued by a manufacturer or developed internally. Supports investigations of major fleet or component failures. This may require determination of root cause, coordinating non-destructive testing, or other analysis and may involve at fault operators, maintenance practices, etc. These investigations involve communicating with internal stakeholders, operators, mechanics, manufacturers and others who may be able to provide valuable information and using data from the investigation to make recommendations to repair, identify who or what was at fault, and identify the potential risk of the fleet for the issue Responsible for the development and upkeep of the Preventive Maintenance (PM) program for new and existing fleet, including work instructions. This may be required for propulsion technologies that are new to BC Transit and can require data to be gathered from other transit agencies or industries. Responsible for the creation of standard job documentation for fleet maintenance activities. This includes creating and compiling bill of materials (BOMs), work instructions, standard repair times (SRT) and other helpful information to assist maintenance operations in completing work in an efficient manner.
Engineering Analysis and Reporting	<ul style="list-style-type: none"> Researches technical information and trends for bus system components and maintenance. Performs technical evaluation, engineering analysis, and cost/benefit analysis of products and technologies, advising on the latest technical advancements, safety requirements and related implications. This will include the preparation of reports, business cases, and presentations. Responsible for the analysis of fleet maintenance data to track the occurrences and frequency of component failures for the purpose of making improvements to maintenance reliability. Responsible for defining, contributing to the execution of, and reporting on departmental and fleet maintenance Key Performance Indicators (KPIs) on a regular and as needed basis.
Stakeholder Collaboration and Technical Support	<ul style="list-style-type: none"> Builds relationships with all internal departments, provides information to managers and others in support of technical and operational decisions. Acts as technical specialist, providing engineering support and technical issue resolution for fleet standards, procurement and supply chain. Builds relationships and liaises with local government, operating partners, manufacturers, suppliers and fabricators regarding design

	<p>and modification of fleet assets and related systems and components.</p> <ul style="list-style-type: none"> • May coordinate the work of contract engineers.
Additional Duties	<ul style="list-style-type: none"> • Performs related duties in keeping with the purpose and accountabilities of the job

Summary of Qualifications and Job Specific Competencies	
Education	<ul style="list-style-type: none"> • Post secondary degree in Mechanical Engineering or a related field. • Professional Engineering (P.Eng.) designation or Engineer-in-Training (EIT) eligibility with Engineers and Geoscientists British Columbia (EGBC)
Experience	<ul style="list-style-type: none"> • Two (2) years of related experience in fleet management or the transportation sector • An equivalent combination of education and experience may be considered
Key job-specific competencies	<ul style="list-style-type: none"> • Knowledge of the concepts, practices and techniques of the engineering field • Knowledge of concepts, practices and techniques of bus mechanics and maintenance • Research and analytical skills to identify, analyze make recommendations on new technologies • Knowledge of corporate strategies, functions and programs • Knowledge of the relevant policies, procedures and legislation • Planning and coordination skills to manage projects, develop plans and procedures, and coordinate programs • Communication and interpersonal skills to build and maintain effective internal and external relationships, including all levels of staff, manufacturers, and other industry vendors and contractors • Problem-solving and decision-making skills to provide technical advice and engineering-related problem resolution • People leadership skills to supervise and develop direct report project team members and oversee co-op student activities • Research and analytical skills to identify, analyze make recommendations on new technologies • Knowledge of the environmental impacts on a fleet, from a variety of locations across BC
Willingness Statement	<ul style="list-style-type: none"> • External candidates must be registered with EGBC as a Professional Engineer or be eligible for registration, and internal candidates must be registered or become eligible for registration within six months of their start date

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| | <ul style="list-style-type: none">• The successful incumbent must be willing and available to travel for this position. Occasional travel is required to various locations, both inside and outside the province of BC. |
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