



## Manager, Bus Engineering (103241)

<b>Employee Status:</b>	Regular
<b>Bargaining Unit:</b>	Non-Union
<b>Pay Range:</b>	\$114,122 - \$156,663
<b>Location:</b>	Streetsville Bus Garage
<b>Closing Date:</b>	21-Dec-2022

*Metrolinx* is connecting communities across the Greater Golden Horseshoe. Metrolinx operates GO Transit and UP Express, as well as the PRESTO fare payment system. We are also building new and improved rapid transit, including GO Expansion, Light Rail Transit routes, and major expansions to Toronto's subway system, to get people where they need to go, better, faster and easier. Metrolinx is an agency of the Government of Ontario.

At Metrolinx, equity, diversity and inclusion are essential to living our values of serving with passion, thinking forward and playing as a team.

Our Fleet Support Services West Office is seeking a Manager, Bus Fleet Maintenance to provide leadership to the Bus Engineering and Bus Fleet Maintenance Quality Assurance groups. The successful candidate will provide senior level technical engineering expertise for the acquisition of new buses, capital refurbishment of existing buses, ongoing design changes, maintenance engineering while ensuring performance aligns with corporate goals and customer service initiatives.

### What will I be doing?

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- Manages quality assurance / quality control issues with bus manufacturers and system vendors for all aspects of new bus manufacturing and system integration.
- For maintenance delivery projects assigned to Bus Engineering, manages all aspects of project delivery, including proposal, approval, specification development, design, development, schedule, quality, risk identification/ mitigation, delivery, testing, and acceptance.
- Working with the Engineering & Asset Management engineering team, manages the delivery of bus capital refurbishment programs, including scheduling and off site quality inspections.
- Provides senior level expertise and direction in the investigation and analysis of complex systemic, or safety related equipment failures or design flaws in equipment with significant financial implications
- Approves corrective actions recommended by the original equipment manufacturer (OEM) resulting from analysis of in-the-field equipment failures and / or design flaws in new equipment

- Utilizes senior technical expertise to contribute to contract changes, product improvements, quality assurance fleet maintenance program enhancements, and new technologies
- Collaborates with Engineering & Asset Management engineering team and the OEM to ensure the effectiveness of maintenance procedures, retrofit design program and training requirements in relation to new equipment designs, expanded warranty protection, contract changes, and components; negotiates all OEM new or upgrade programs to ensure retrofit design plans resolve concerns and meet contracted performance requirements
- Oversees quality assurance regulatory programs, such as mechanical safety, vehicle inspection and maintenance performance, as required by Ministry of Transportation Ontario (MTO) and Commercial Vehicle Operator's Registration (CVOR), to manage/mitigate any risk associated with non-compliance
- Manages the dissemination, updating, and archiving of technical information from OEMs and vendors
- Through the QA subgroup, delivers superior customer service to Coach Technicians regarding technical information, training, and engineering change management
- Directly engages Bus Drivers and Bus Fleet Maintenance staff for feedback about equipment design and issues. Oversees the provision of data, materials, engineering drawings, etc. that contributes to the development of staff training on new equipment as well as operating and maintenance procedures
- Participates in industry working groups and committees to share best practices on issues such as adoption/interpretation of new regulations and technologies (i.e. alternative fuels)
- Liaises with government stakeholders, industry organizations (such as CUTA, OPTA, OMCA, APTA, ATA) and other transit authorities and providers to identify and establish best practices for bus fleet design and regulatory compliance
- Oversees the maintenance of support documentation (e.g. manuals, drawings, technical instructions, warranty, software) for contract compliance and quality control
- Collaborates with Engineering & Asset Management engineering team on new vehicle procurement to ensure compliance with all motor vehicle safety standards, Ontario Highway Traffic Act regulations, and other provincially legislated standards or legal requirements
- Provides input to the Engineering & Asset Management engineering team on bus equipment specifications and multi-year tenders for bus procurements including diesel and battery electric buses
- Provide input to the Engineering & Asset management engineering team on long-range development and bus fleet equipment plans (e.g. acquisitions and retirements)
- Contributes to the development of multi-year capital and operating budgets and long term acquisition and retirement plans, through the analysis of bus fleet lifecycle costs
- Meets service delivery objectives and manages project and department activities within budgetary limits
- Oversees progress to ensure that planning objectives are delivered on time and within budget, and that anticipated business results are achieved; able to explain off-plan overages and exceptions
- Provides leadership oversight and direction to staff and consultants engaged in project teams (e.g. defines team member roles, responsibilities, and expectations)

## What Skills and Qualifications Do I Need?

- Completion of a degree in Engineering- or a combination of education, training and experience in accordance with the Professional Engineers of Ontario (PEO) equivalency assessment
- Minimum eight (8) years of experience in bus equipment design, engineering, maintenance and quality assurance, including a minimum of 3 years supervisory experience in bus engineering, development and/or maintenance. Similar experience in automotive engineering and design would be considered
- Valid Professional Engineering (P.Eng.) license recognized by Professional Engineers of Ontario (PEO) is required
- Knowledge of applicable legal and regulatory requirements governing delivery of bus transit services (e.g. from Transport Canada (TC), Federal and Provincial motor vehicle standards, Highway Traffic Act, Public Vehicles Act, Public Transportation and Highway Improvement Act, Canadian Urban Transportation Association (CUTA), American Passenger Transportation Association (APTA) standards), recommended practices, applicable environmental legislation, and safety and environmental regulations and quality standards (e.g. International Standards Organization (ISO), Canadian Standards Association (CSA), American Society for Testing and Materials (ASTM), Federal Railroad Administration (FRA), and electrical and building codes
- Knowledge of quality assurance programs, controls, process and practices that will facilitate meeting legal and regulatory standards
- Technical knowledge of commuter bus operations and equipment design
- Knowledge of work planning and other industrial engineering techniques
- Ability to apply mechanical/electrical technology (e.g. quantitative and qualitative analysis of equipment maintainability, cost/benefit ratio of modifications, equipment service life expectancy, and disposal values)
- Project management principles and practices, including budget and schedule controls, to lead and direct cross functional teams and consultants engaged in simultaneous projects (i.e. development, project progress, related staff and project resources) and monitor project activities for adherence to timelines, budgets, and project performance objectives
- Vendor and contract management, negotiation, and influencing skills and interpersonal and oral/written/presentation skills to manage vendor relationships and negotiate with the OEM to ensure the effectiveness of maintenance procedures, retrofit design program, and training requirements

## Don't Meet Every Requirement?

If you're excited about working with Metrolinx but your past experience doesn't quite align with every qualification of this posting, we encourage you to apply. You just might be the right candidate for this or other roles. We are always looking for great talent to join our team.

We invite all interested individuals to apply and encourage applications from members of equity-deserving communities, including those who identify as Indigenous, Black, racialized,

women, people with disabilities, and people with diverse gender identities, expressions and sexual orientations.

**Accommodation:**

We value the unique skills and experiences each person brings to Metrolinx and are committed to creating and maintaining an inclusive and accessible environment. We are committed to the requirements of the Accessibility for Ontarians with Disabilities Act so if you require accommodation during the hiring process, please let our Recruitment team know by contacting us at: 416-202-5601 or email [hr.recruitment@metrolinx.com](mailto:hr.recruitment@metrolinx.com).

**Application Process:**

All applicants must be legally entitled to work in Canada. Metrolinx will be using email to communicate with you for all job competitions. It is your responsibility to include an updated email address that is checked daily and accepts emails from unknown users. As we send time sensitive correspondence, we recommend that you check your email regularly. If no response is received, we will assume you are no longer interested in pursuing the opportunity. Please be advised that a Criminal Record Check may be required of the successful candidate. Should it be determined that any background information provided be misleading, inaccurate or incorrect, Metrolinx reserves the right to discontinue with the consideration of your application.

Metrolinx employees are required to be fully vaccinated against COVID-19 in accordance with Metrolinx's Mandatory COVID-19 Vaccination Standard, made under the Metrolinx Communicable Diseases in the Workplace Policy, as a condition of being eligible for the recruitment process. Proof of COVID-19 vaccination will be required. If you are not able to obtain COVID-19 vaccination for a reason related to a protected ground of discrimination under applicable human rights legislation, you can request accommodation from Metrolinx.

To apply for this position, please submit your resume online through the Current Opportunities page:

[https://ehc.ca2.oraclecloud.com/hcmUI/CandidateExperience/en/sites/CX\\_1/job/103337/?utm\\_medium=jobshare](https://ehc.ca2.oraclecloud.com/hcmUI/CandidateExperience/en/sites/CX_1/job/103337/?utm_medium=jobshare)

**We thank all applicants for their interest, however, only those selected for further consideration will be contacted.**

**WE ARE AN EQUITABLE AND INCLUSIVE EMPLOYER.**

**#LI-SC1**