



Mosaic Transit Constructors (Mosaic) - a consortium comprised of Aecon, Dragados, and Dufferin – is partnering with Metrolinx and Infrastructure Ontario to design, build and maintain the transformative Finch West Light Rail Transit (LRT) system in the City of Toronto.

Position: Integration Project Engineer

Reports to: Vehicles and Operations Manager

Role Location: Toronto, ON

Essential Functions:

- Support of Systems Engineering processes and Systems Delivery processes.
- Actively and continuously review designs, interfaces, test specifications, procedures, and reports to identify and elevate interface and functional gaps.
- Interface and coordinate with Design Technical Leads, Construction Delivery Leads, T&C Lead, V&V Leads and O&M/M&R Support Leads.
- Participate in and facilitate cross-discipline testing planning discussions and if required system design discussions.
- Conduct high-level (exploratory) change impact analysis by coordinating with the required Technical Leads, Sub-Contract Managers and Commercial Department.
- Interface and coordinate with construction and installation activities to keep track of progress and reflect as needed within Test & Commissioning and System Assurance V&V work streams.
- Interface and coordinate with Test & Commissioning for urban rail system to ensure all the required tests are being conducted and have been scheduled in sequence.
- Interface and coordinate with System Assurance/V&V teams in the delivery of urban rail system.
- Monitor progress and technical performance against established schedule and work plans. Prepare variance reports and explanations, identifying potential problem areas.
- Development of required documentation for Systems/Project Integration processes.

Qualifications:

Required

- Must be technically astute, mechanically inclined and detail oriented.
- Bachelor's degree in an Engineering discipline (Electrical, Mechatronics, Mechanical, Electronics, Systems).
- Experience with system integration and experience in the Transit System domain for minimum 2 years.
- Knowledge of System Lifecycle model, system integration practices and processes. Familiarity with ISO 15288 and/or IEEE 1220.
- Experience executing Tests or developing Test Procedures and/or Reports.
- Good team player in a mixed multi-disciplinary environment.
- Able to take part in discussions with the team member and peers.



- Ability to effectively re-prioritize with limited notice, execute in a fast-paced environment.
- Excellent written, presentation and communication/briefing skills; able to present to audiences of peers and/or stakeholders.
- Excellent relationship skills; able build trust and advocacy with others.
- Working with/managing sub-contractors and understanding sub-contracts.

Desired:

- Experience within a design-build environment.
- Experience developing Use Cases/Test Cases for E2E functions. Familiarity with UML.
- Knowledge of scheduling principles and experience with Primavera P6 and/or Microsoft Project
- Knowledge of Safety Engineering practices.
- Knowledge of RAM practices.
- Knowledge of software and/or firmware development processes

Working Conditions/ Physical Effort:

- Able to perform in a fast-paced environment.
- Walking, lifting, equipment operation, etc.
- Moderate physical activities
- Ability to use stairs, ladders and climb over rough terrain.

We offer a competitive compensation and benefits package in a fast-paced work environment. We are looking for innovative, forward-thinking people who enjoy challenges and want to work on leading-edge infrastructure projects.

To apply for this position, please submit resume online to: workforce@mosaictransit.com

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