



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: Verification and Validation Coordinator

Reports to: Validation and Verification Manager

The V&V Engineer provides technical expertise for Verification & Validation System Assurance Team, and collaborates, as needed, with the Design Team, Vendors, and Testing & Commissioning Team for all the strata of the project.

Key Responsibilities

- Review all necessary V&V tasks.
- Ensure deliverables follow the project agreement and subcontracts, where possible.
- Implements / maintains test procedures defined in V&V plan, as needed.
- Reviews systems engineering evidence, test plans, test procedures, and test results, from the verification and validation point of view.
- Supports coordination with Quality Control to validate project requirements.
- Witness and contributes to validation as required during testing and commissioning phase
- Supports population of V&V input into IBM Rational DOORS database.
- Performs other requirements and compliance management tasks, as required.
- Attends as needed the test review panel.
- Liaise with project design groups, quality, project management and other project teams
- Gathers evidence from Design, Construction and Testing and Commissioning team for verification and validation purposes.
- Ensures the coverage of requirements all along the project, ensuring that testing (via various means) provides a full coverage to guarantee EoR sign-off, CSSO sign off and a correct implementation of the requirements: including functional, safety, RAM, security, and performance requirements.
- Contributes to implementation and completion of the traceability matrix, in cooperation with the other project stakeholders.
- Contributes to creation of V&V Reports.
- In tandem, create a library of best practices for similar projects, on an ongoing basis.

Required Knowledge and Experience

- Engineering degree (electrical preferred); or Technologist Certificate and appropriate experience.
- Minimum 3 years of experience in the rail industry, including knowledge of one or more of following systems:
 - Signaling/CBTC

- Railway Vehicle
- Traction Power
- Overhead Catenary System
- Tunnel Ventilation
- Trackwork
- Minimum 3 years of experience in V&V
- Familiar with railway standards as CENELEC
- Experience with test procedure generation and interaction with testing and commissioning team
- Excellent communication skills, both written and verbal
- Proficient in Microsoft Office, including Excel, Word, and Outlook Options

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.