

# URBAN TRANSPORTATION SYSTEMS

**We aim to be the partner-of-choice for end-to-end delivery of integrated Urban Transportation Systems. Our reputation for delivering timely, safe and reliable systems is bringing us there. Our multi-disciplinary, innovative teams have a reputation of excellence for projects in Canada and abroad.**

As our cities continue to urbanize and populations grow, Aecon is primed to deliver the technologically advanced transportation systems needed to meet the demand of future generations.

From Light Rail Transit (LRT), to subways and commuter rail systems, Aecon's expansive resources for planning, engineering, procuring, building and commissioning large-scale infrastructure projects means we can handle all aspects of a transit project, from conception to operation.

We are proud to effectively engage across multiple government jurisdictions with residents, businesses, Indigenous groups, associations, civic groups and other stakeholders to expertly deliver some of the most complex projects in the the industry.

## **The Aecon Advantage**

- // Industry-leading and proven record of safety
- // One of the largest new equipment fleets in Canada
- // Mobile workforce
- // Experienced crews
- // Self-performance – single point of accountability & schedule certainty
- // Real-time monitoring of quality & progress
- // 3-D modeling utilizing BIM & GPS

## **Public Transit**

- // System engineering and integration
- // Safety and security controls
- // Environmental sustainability
- // Management and controls
- // Site preparation
- // Grading
- // Drainage and groundwater management
- // Road crossings and grade separations
- // Bridge construction
- // Road construction
- // Embankment and slope management
- // Retaining wall construction
- // Tunnel boring and tunnel lining
- // Materials engineering and testing
- // Aggregate and material supply
- // Utility locates
- // Utility services and relocations: gas/electrical/telecommunications/cable TV, water/street lighting
- // Substructure: sub-ballast, ballast
- // Superstructure: sleeper, fastening system, rail
- // Tamping and rail stabilization
- // System controls: signaling/lighting/security
- // System electrification
- // Station and platform construction
- // Finished construction: paving and concrete work
- // Landscaping