



**TRA**

Confederation Line Safe Return to Service  
Presentation to Transit Commission October 20, 2021

# About TRA

- 30-year history, rail transit and safety focus
- Independent safety assessments, accident/incident investigations
- 16 current rail safety oversight projects
- Assess organizational issues after safety incidents
- Team includes six key personnel with over 170 years' experience

# TRA Confederation Line Scope of Work

- Assess safety plans, corrective actions, and remediation after two recent O-Train Confederation Line 1 derailments.
- Oversee and report on the readiness of the entire Confederation Line to re-enter service after the extended outage, and the LRT's ability to minimize the likelihood and severity of future safety events.
- Provide appropriate expert and support staff in rail transit operations, maintenance, engineering, and competitive contracting oversight.
- Provide independent and unbiased assessments, monitoring, and investigations, and report regularly to the City of Ottawa with findings, recommendations, and audit results.

# TRA Confederation Line Scope of Work

- Assess rail transit industry best practices and whether they are appropriately incorporated in and applied to the Confederation Line's return to service.
- Interview City, OC Transpo, and contractor personnel; review key derailment investigation reports, analyses, and background information to assess and validate causes and contributing factors to the August 8 and September 19 derailments.
- Review and assess overall safety management system plans and programs; review and assess organizational documents related to vehicle and infrastructure maintenance practices, monitoring; reliability.

# TRA Confederation Line Scope of Work

- Conduct on-site monitoring during the return to service of the O-Train Confederation Line 1, and selective, risk-based oversight and auditing during the initial months after return to service.
- Provide independent assessment of the O-Train Confederation Line 1 contractor's safety management system, safety organization, and safety practices to ensure that the likelihood of future incidents is minimized, and to ensure conformance with OC Transpo's overall safety programs.

# Safe Return to Service Plan Expectations

- Robust investigation of root causes for August and September derailments
- Short-term and long-term mitigations aligned with accident root causes
- Repairs and testing completed and accounted for on LRVs and right-of-way
- Overall Confederation Line readiness after weeks out of service
- Operators and other key staff ready for service
- Safety systems, quality processes, and staff resources to minimize potential for recurrence and future incidents

# TRA Activities to Date

- Started work October 1
- On site week of October 4 and this week
- Independent review of RTG's root cause analyses
- Interviews, document reviews, field and shop inspections
- Daily meetings re safe return to service process
- Assess draft return to service plan elements to date

# Deliverables Include

- Recommendation to city manager: Accept or reject safe return to service plan
- Reports on readiness of Confederation Line 1 to return to service
- Rail transit best practices analysis relative to Confederation Line 1 practices
- Monitoring and inspection reports on return to service as noted above





Merci, Thank you