



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