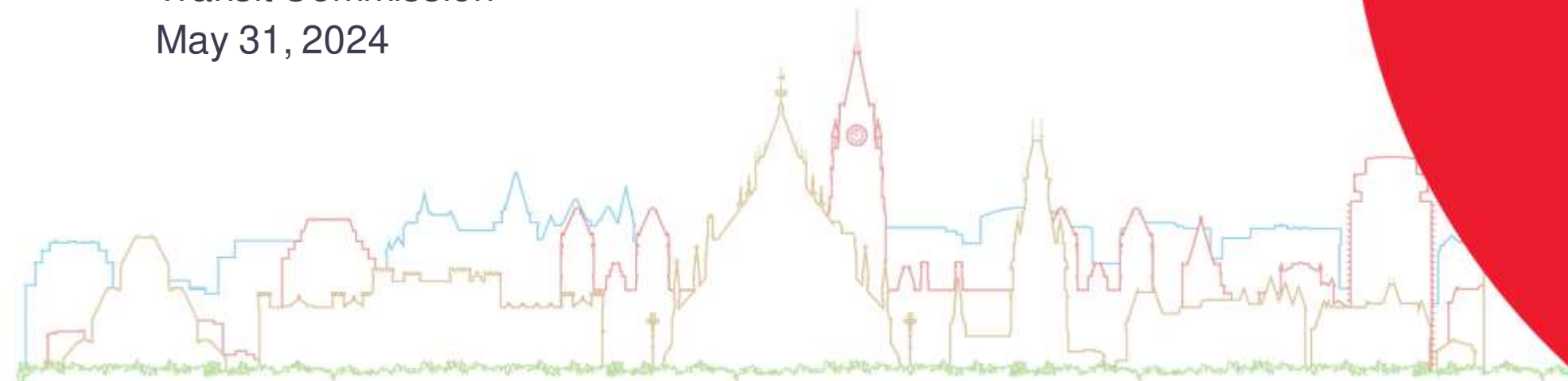


Cartridge Bearing Assembly Review

Transit Commission
May 31, 2024



Agenda

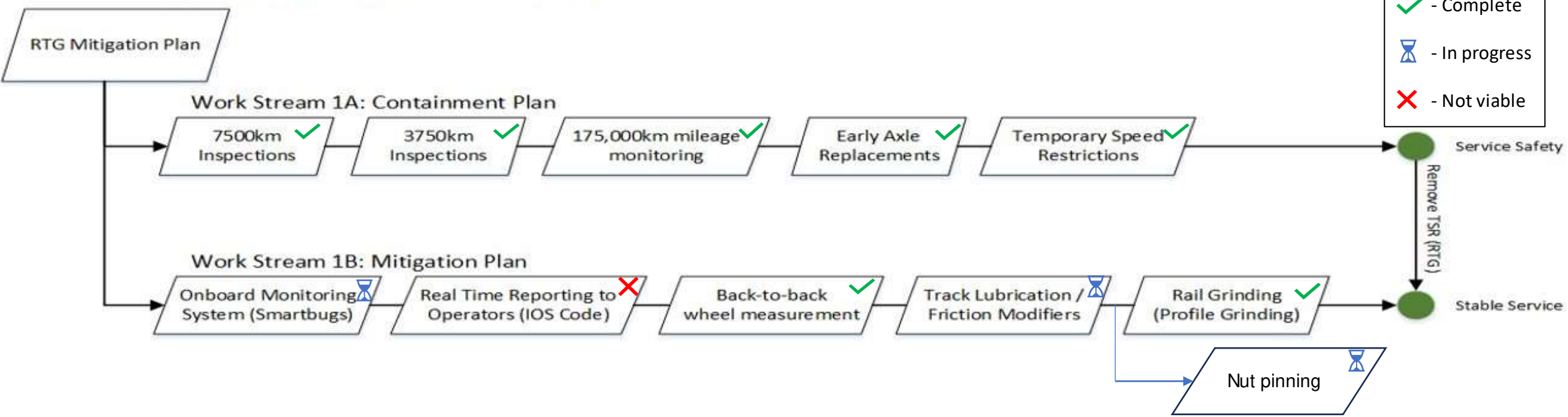
- This presentation includes a review of:
 - Current LRT containment plan
 - Mitigations being implemented
 - Steps remaining to achieve sustainable service
- In attendance and presenting to Transit Commission today: spokespeople from RTG

Background

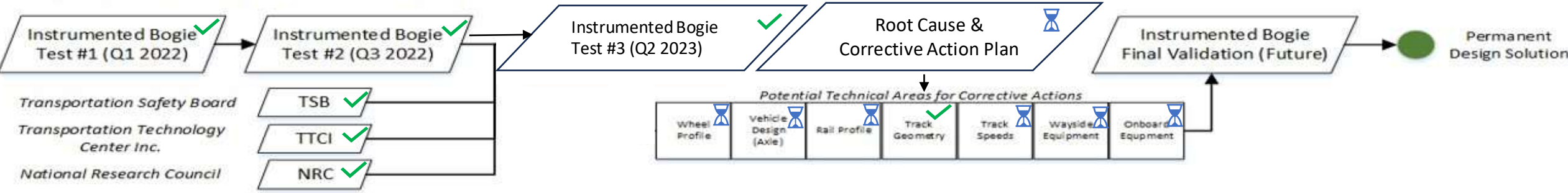
- Three major incidents from 2021- 2023 related to cartridge bearing assembly issues
- Regular updates to Council and the public



Work Stream 1: Axle Failure Mitigation & Containment Plan



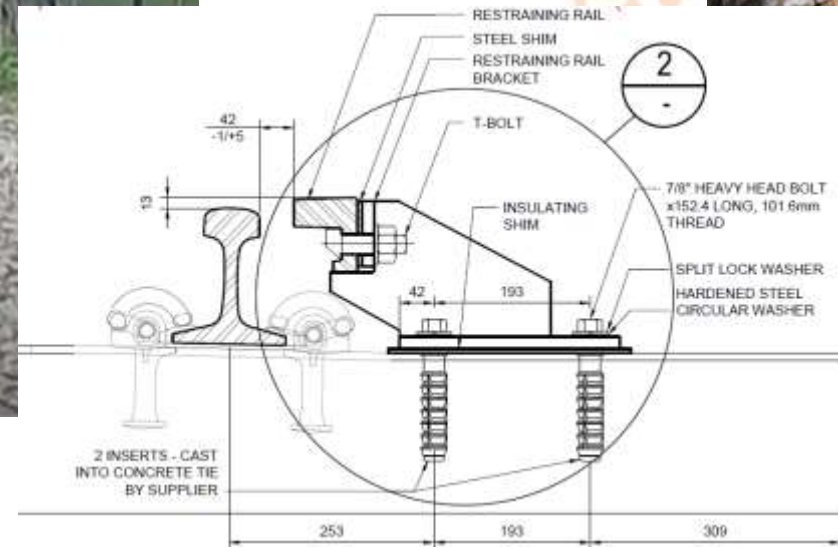
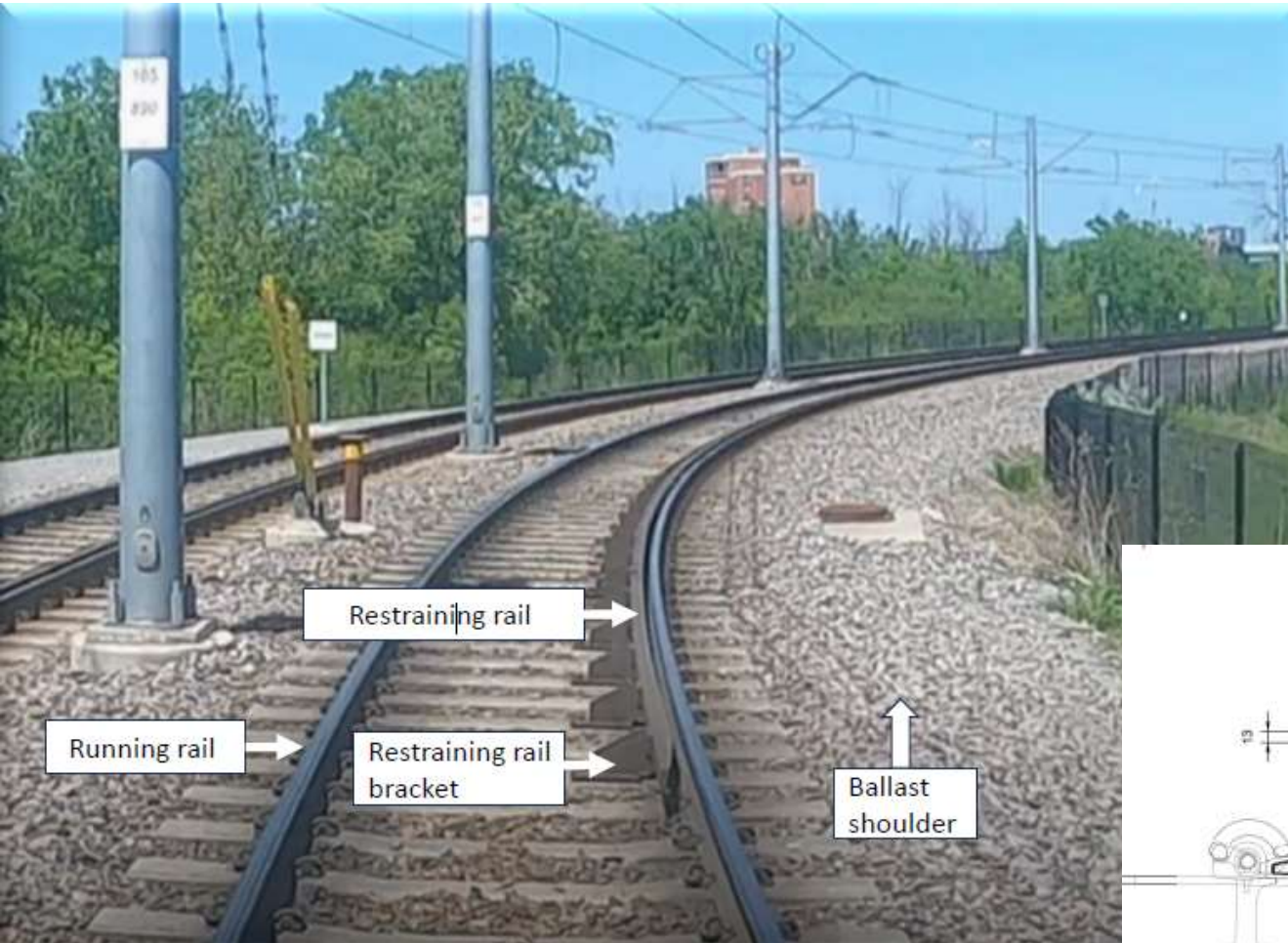
Work Stream 2: Axle Failure Root Cause Analysis & Corrective Action Plan



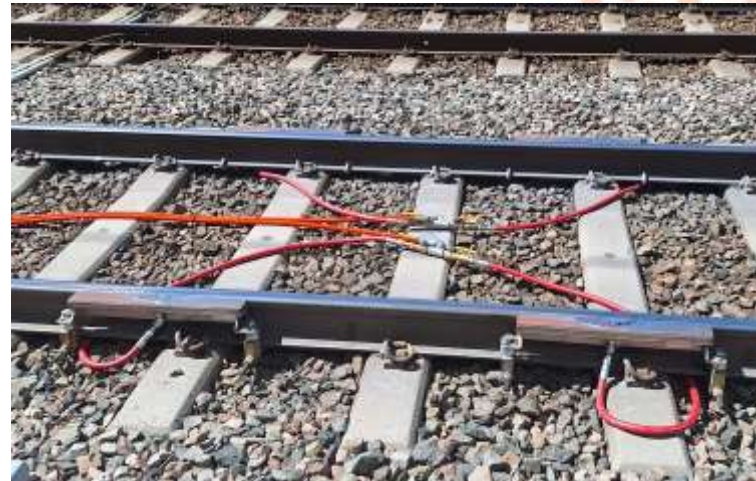
Report and Testing Update – Since Last Report

- Received Alstom report from 3rd instrumented Axle Test Campaign
- Received Alstom Cartridge Bearing Assembly Root Cause Analysis Report
- Received Draft NRC Report to RTG
- Received Draft JBA Report
- Mott MacDonald drafting a 3rd party review of NRC, Alstom and RTG Reports

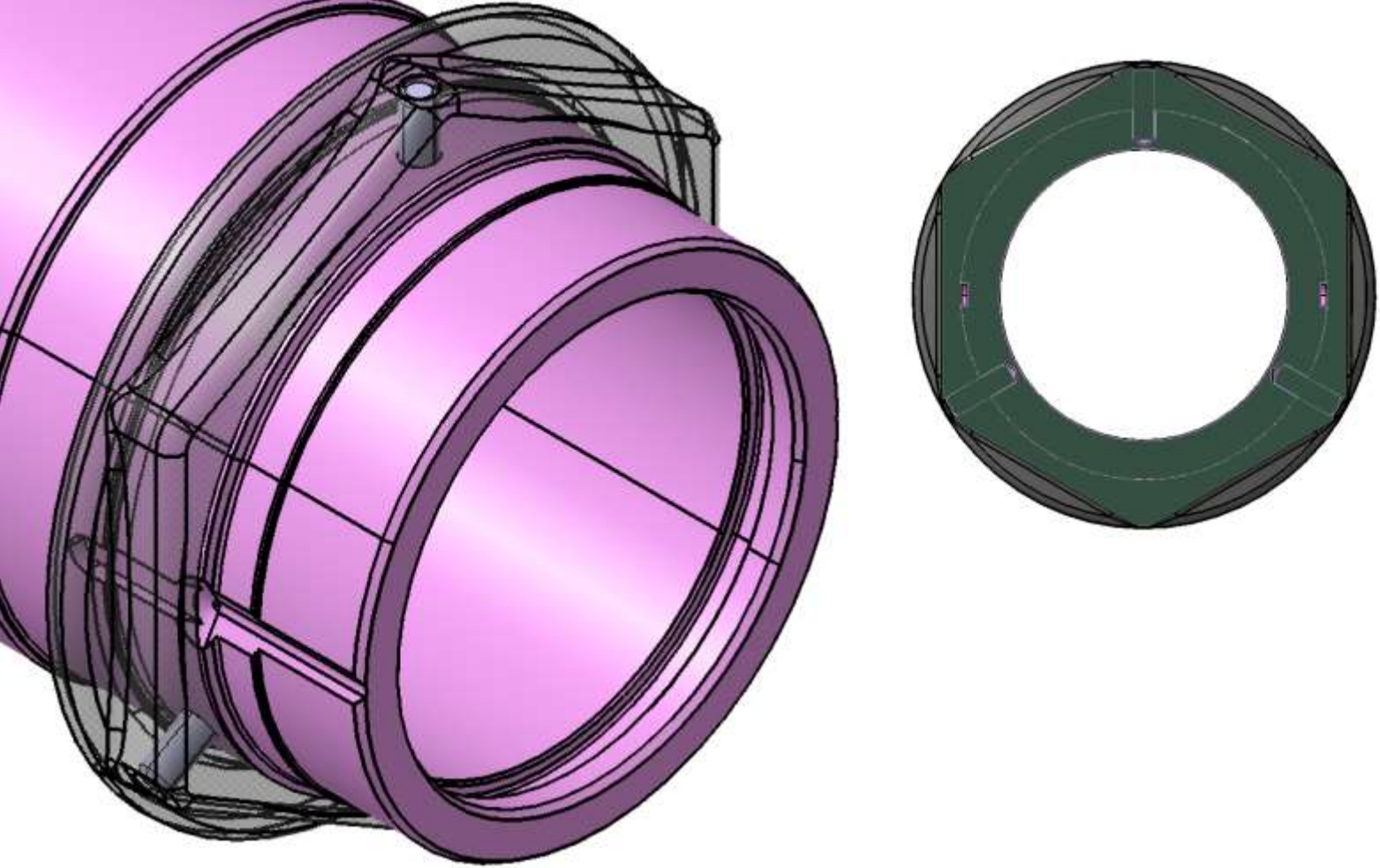
Update – Restraining Rail; Bracket Stoppers



Update – Top of Rail Lubrication



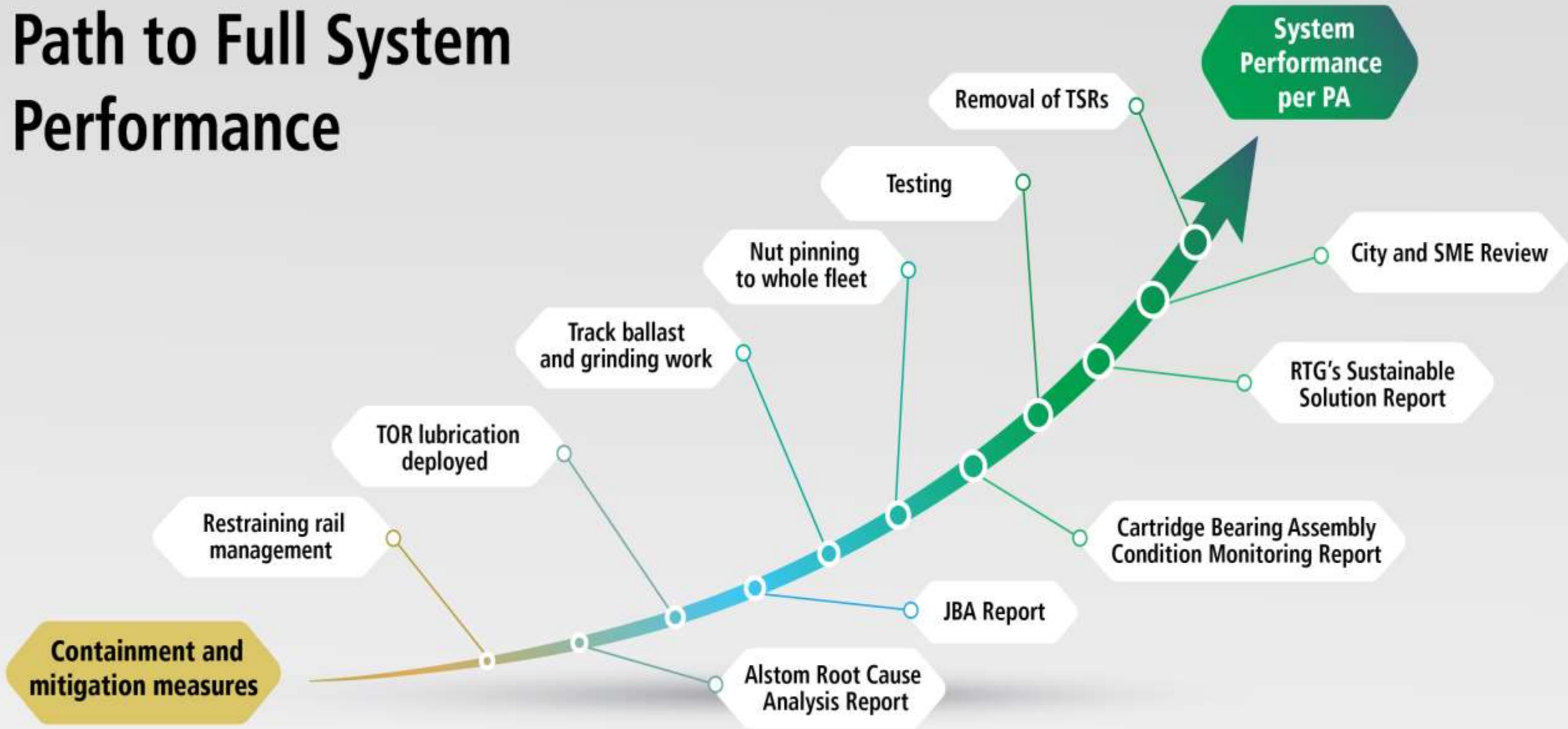
Update – Nut Pinning Measure



RTG Presentation



Path to Full System Performance



Summary & Next Steps

- Any changes and improvements will be applied to Stage 2
- The City of Ottawa, RTG, and Alstom will meet in June 2024 to discuss reports and determine remaining remedial actions
- Continue to communicate updates or agreements to Council

Questions?

