

Stage 2 LRT Trillium Line Southern Terminus

Environmental Project Report Process Connectivity Workshop

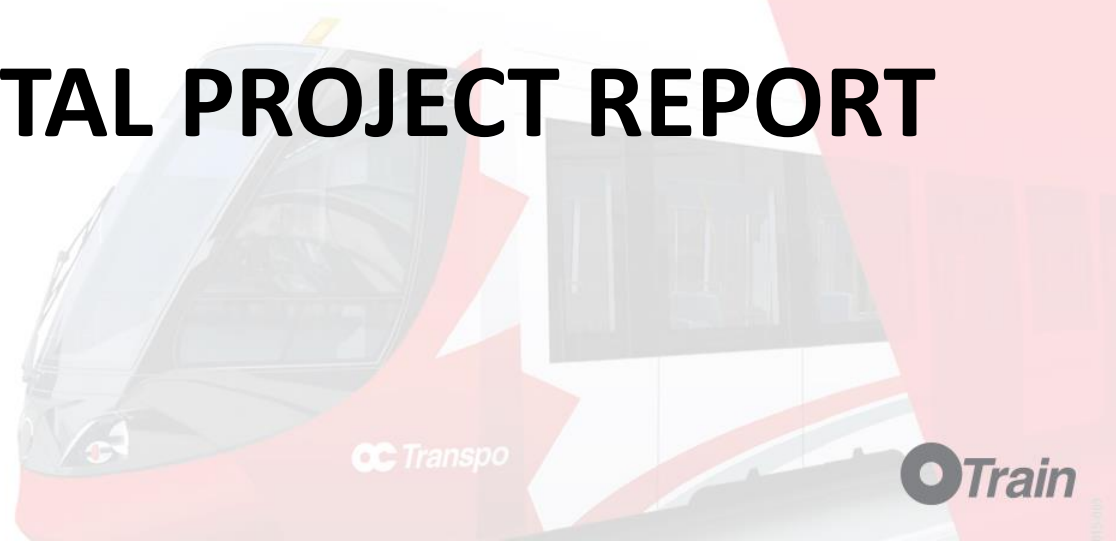
October 25, 2017



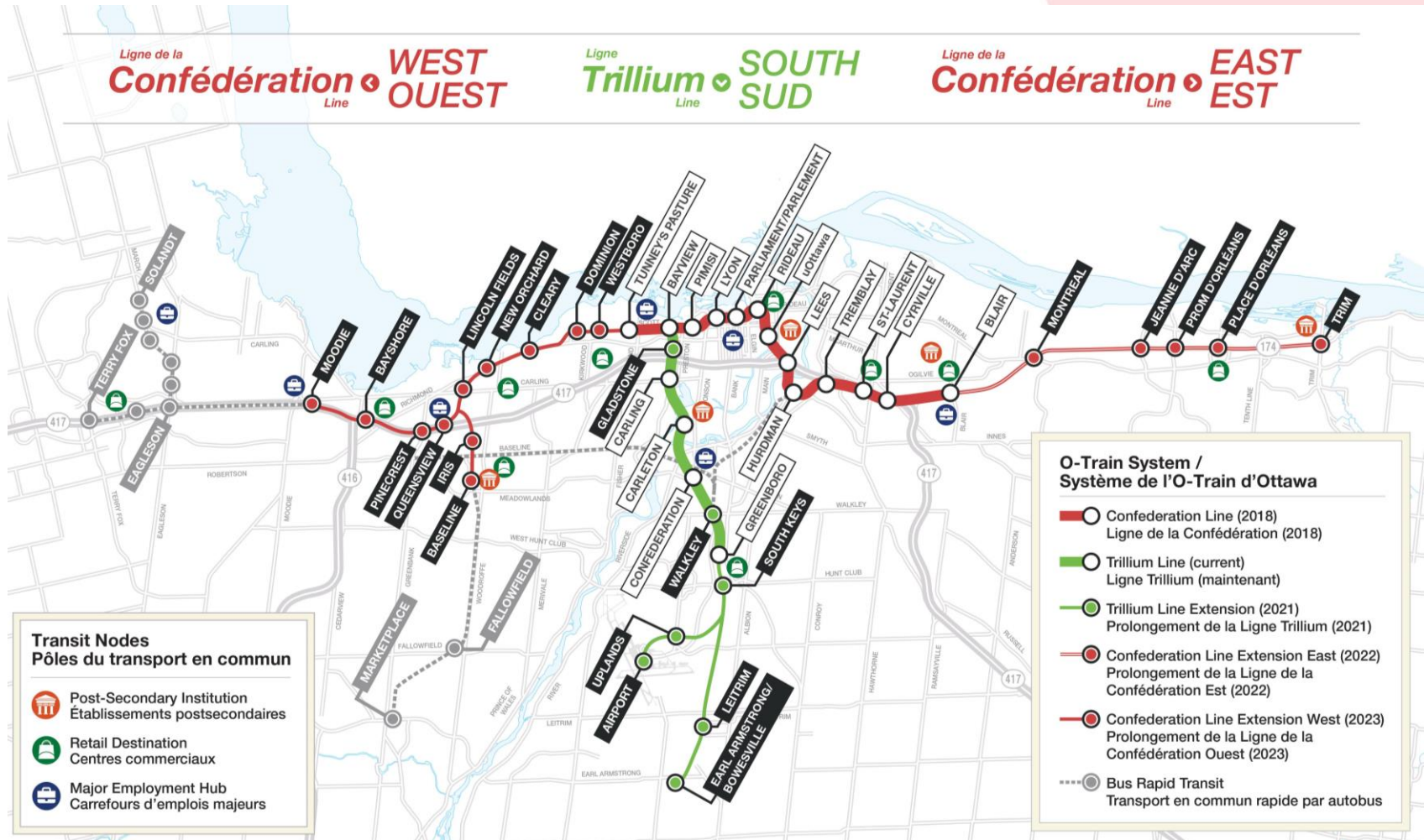
Presentation Overview

- Environment Project Report
 - Background and Context
 - Scope and Mitigation Measures
 - Next Steps
- Connectivity Study for new station at Earl Armstrong/Bowesville

ENVIRONMENTAL PROJECT REPORT

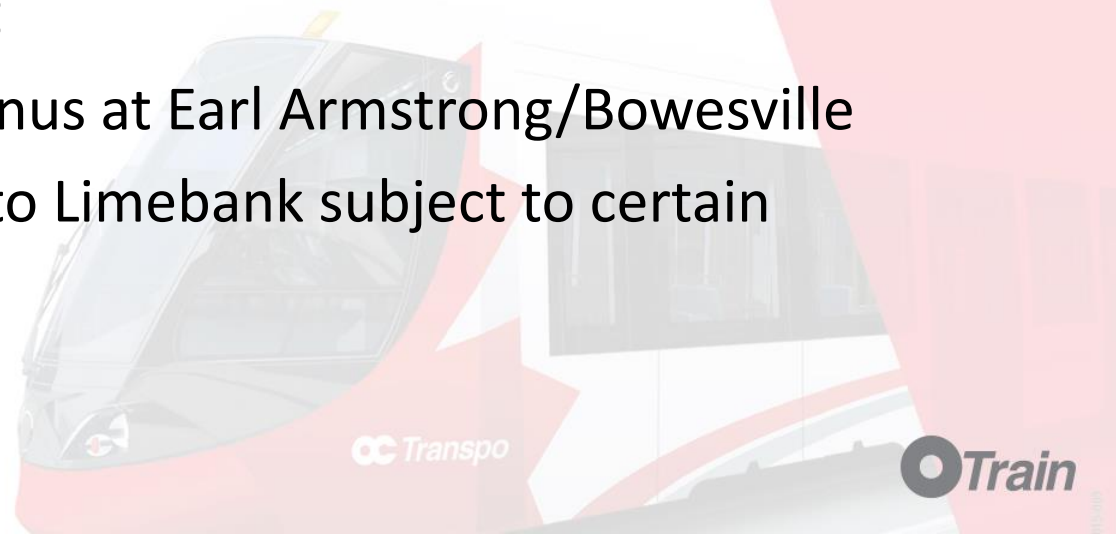


Stage 2 LRT Project



Background

- Trillium Line Extension Environmental Assessment Approval in March 2016
- Riverside South CDP approved in June 2016
- Trillium Line RFP released in July 2017
- Trillium Line alignment improvement announced in July 2017 and confirmed in report to Council in September features:
 - New southern terminus at Earl Armstrong/Bowesville
 - Potential extension to Limebank subject to certain parameters



Improved Trillium Alignment

- Adds 800 metres of light rail without additional costs
- Uses more of existing city-owned rail corridor
- Extends light rail to the edge of the urban boundary
- Improves access to Riverside South and broader Ottawa South communities
- Reduces environmental impact to sensitive lands, and simplifies construction
- Facilitates potential future extensions to Limebank, for better integration with development as the community grows

Required Study Changes

- EPR Addendum required for the proposed Trillium Line changes
- Riverside South CDP update required for the potential extension to Limebank
 - Subject to future public consultation and further technical review in 2018

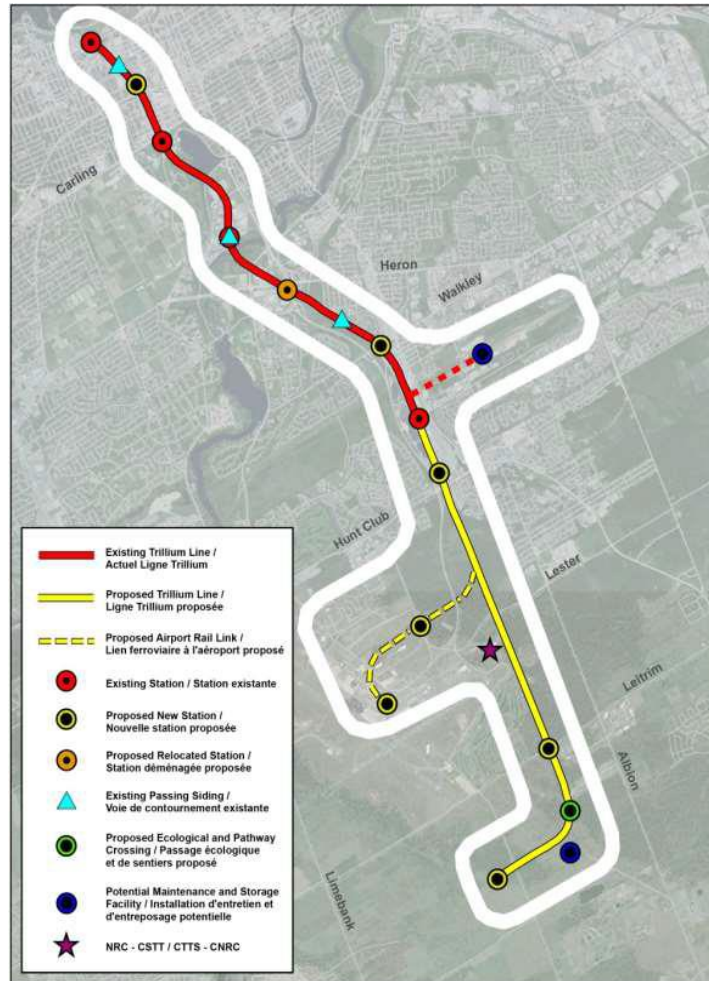


Scope of the EPR

- Addendum to the approved Environmental Assessment study, and focuses on:
 - A description and reasons for the change
 - Assessment and evaluation of any environmental impacts
 - Description of any proposed mitigation measures



Original EPR Study Area



Improved Trillium Alignment





Assessed Environmental Elements

- Species at Risk
- Water bodies and fish habitat
- Land uses
- Cultural heritage and archaeological resources
- Air quality and noise and vibration levels
- Soils and groundwater



Species at Risk – Environmental Gains

- Original alignment crossed through environmentally significant lands including:
 - Woodlot with two at risk bird species
 - Natural meadow
 - Wetland and significant wildlife habitat
- New alignment avoids disrupting over 12 hectares of these lands
- While significantly reduced, some species identified
 - Potential compensation plan
 - Deterrent measures
- Current ecological crossing will be enhanced via a crossing at the former High Road alignment

Mosquito Creek

- Field investigations underway to locate potential Species at Risk (SARs)
- City looking to minimize impact to the creek by crossing at narrowest point
- Design to allow for 100 year plus 20% flood levels
- Geotechnical and geohydrological work being undertaken to better inform the design

Cultural Heritage and Archeological

- No cultural heritage landscape identified
- Archeological assessment ongoing within the former rail corridor



Air Quality, Noise and Vibration

- Predominantly undeveloped lands within the study area
- Closer to Limebank, one property identified within the noise study boundary
- Currently reviewing noise impacts and any necessary mitigation measures.



Soils and Groundwater

- Geo-environmental investigations ongoing



Next steps

- Completion of Environmental Studies (geo-environmental, archeological, natural science, noise)
- Discussions with land owners and developer
- Completion of Addendum Report by end of 2017
 - Notice of Completion in November
- Ongoing coordination with Community Development Plan (CDP) update process into 2018
- Contract award in Q2 2018
- Revenue service to begin on Trillium extension in 2021

CONNECTIVITY



Background

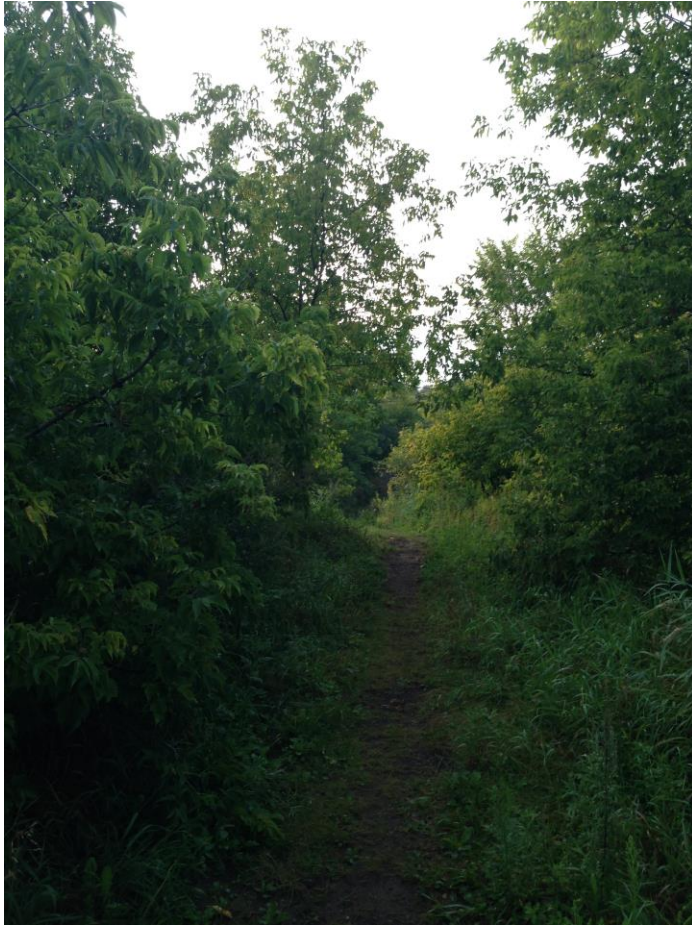
- Connectivity studies and workshops have occurred for all Stage 2 Light Rail Transit (LRT) stations.
- Improved Trillium alignment moved the location of the new south terminus
- Connectivity study and consultation required for new Earl Armstrong/Bowesville station



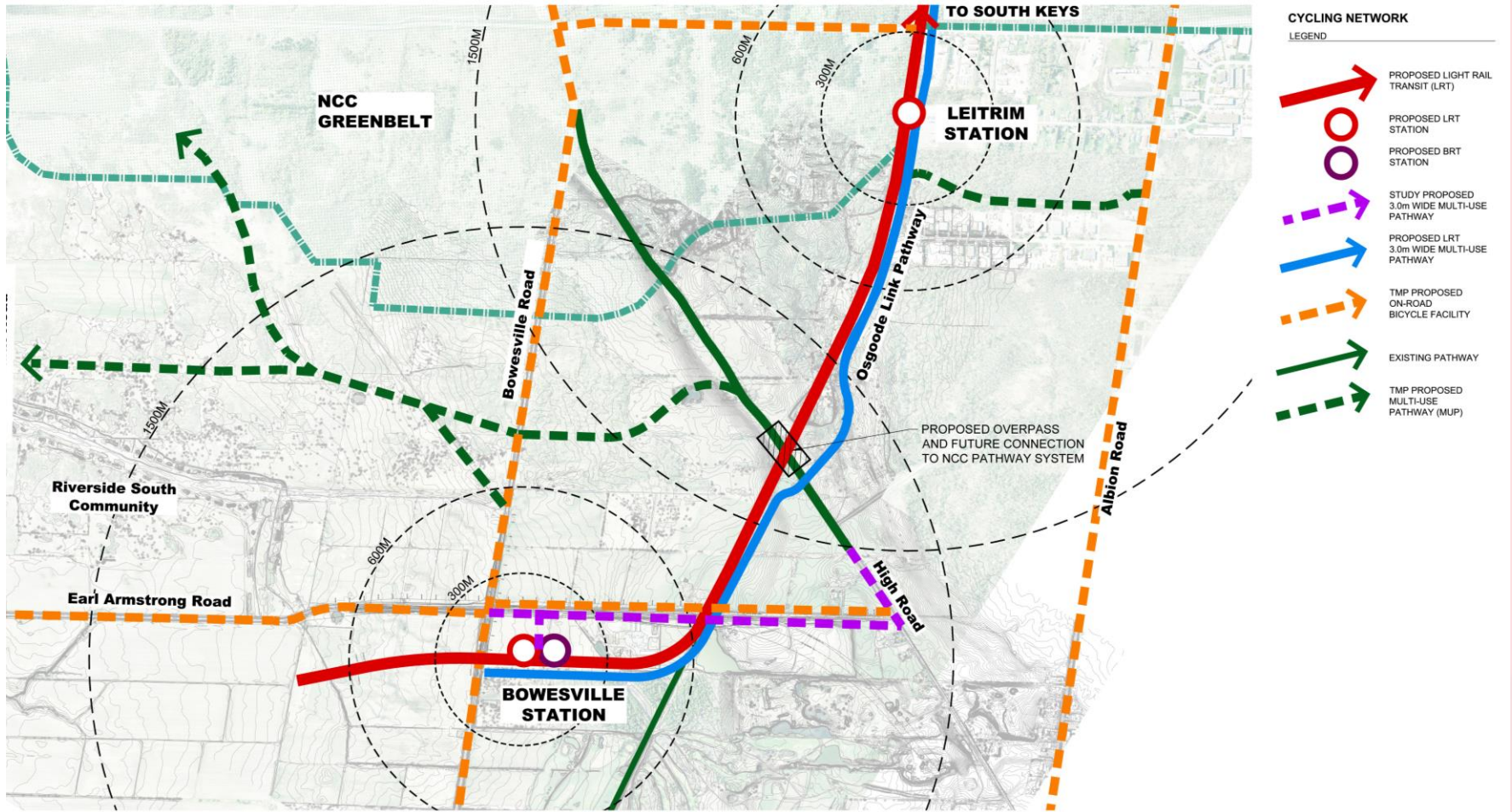
Bowesville



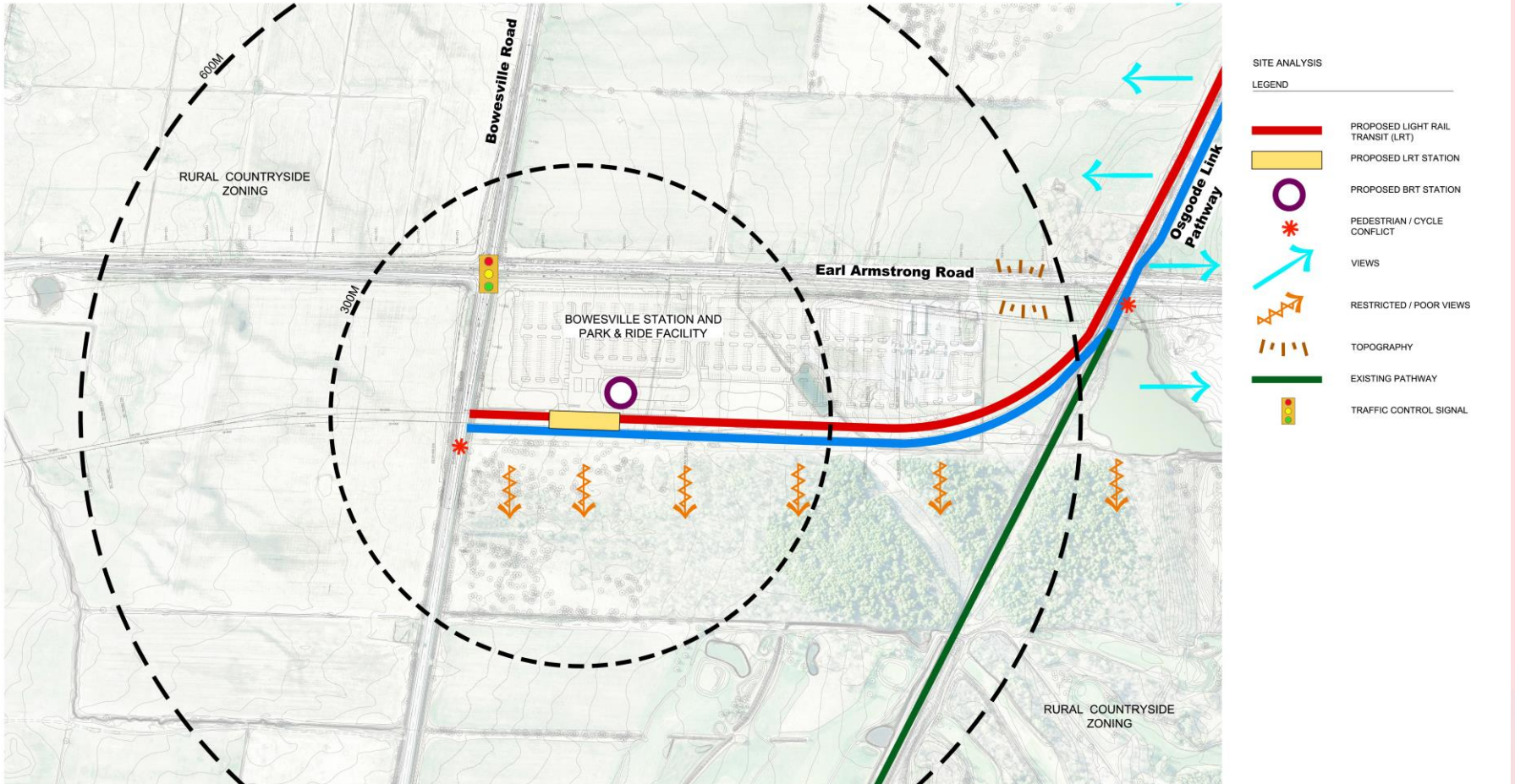
High Road



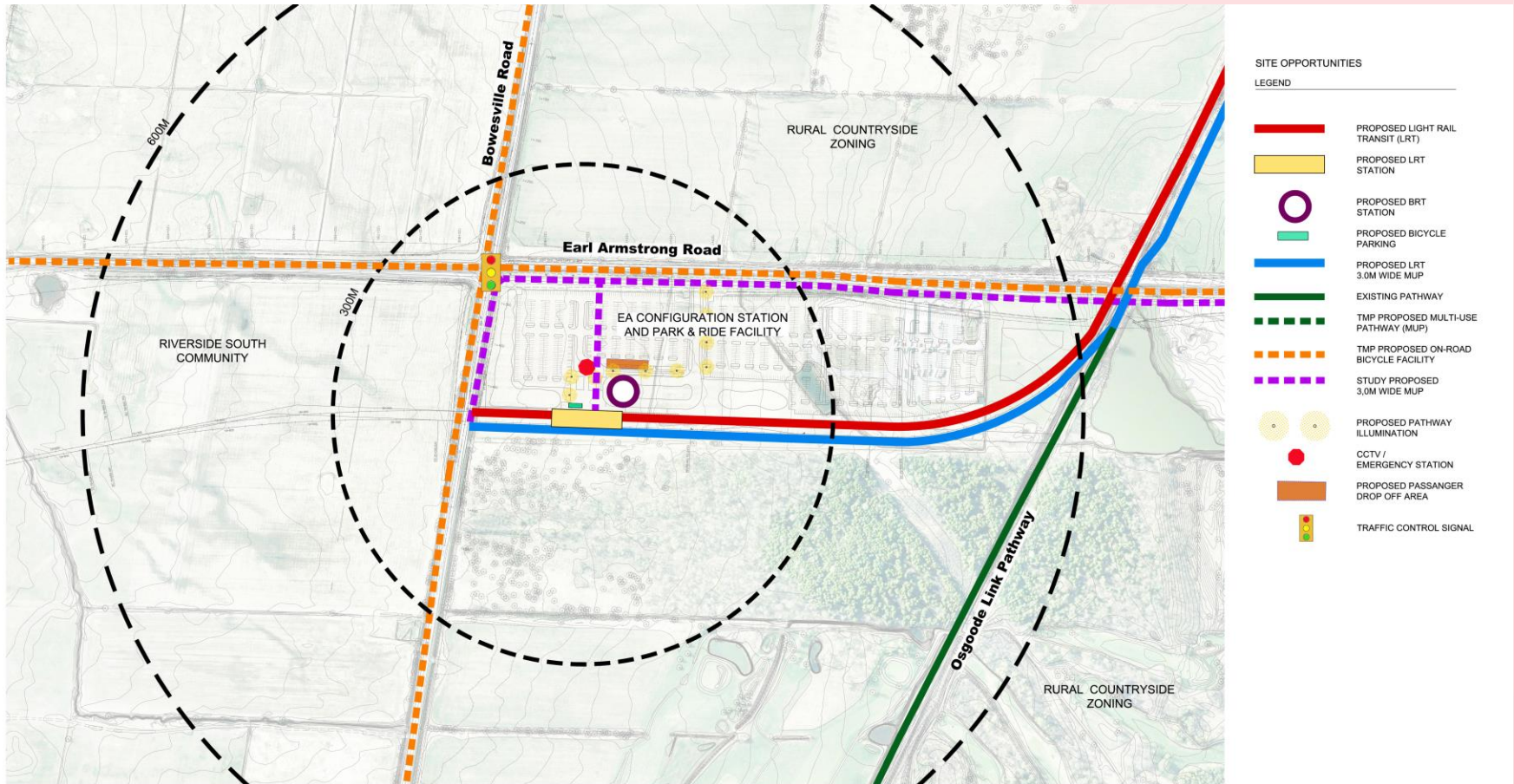
Cycling Network



Site Analysis



Site Opportunities



Workshop Objectives

- Review existing pedestrian and cycling infrastructure
- Review what the study has identified so far
- Receive input from community and other interested stakeholders



Questions?

Contact us: stage2@Ottawa.ca

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