

Confederation Line Stage 1 and 2

Our Lady of Fatima Church
May 10th, 2018

ON TRACK
SUR LA VOIE
2018



Agenda

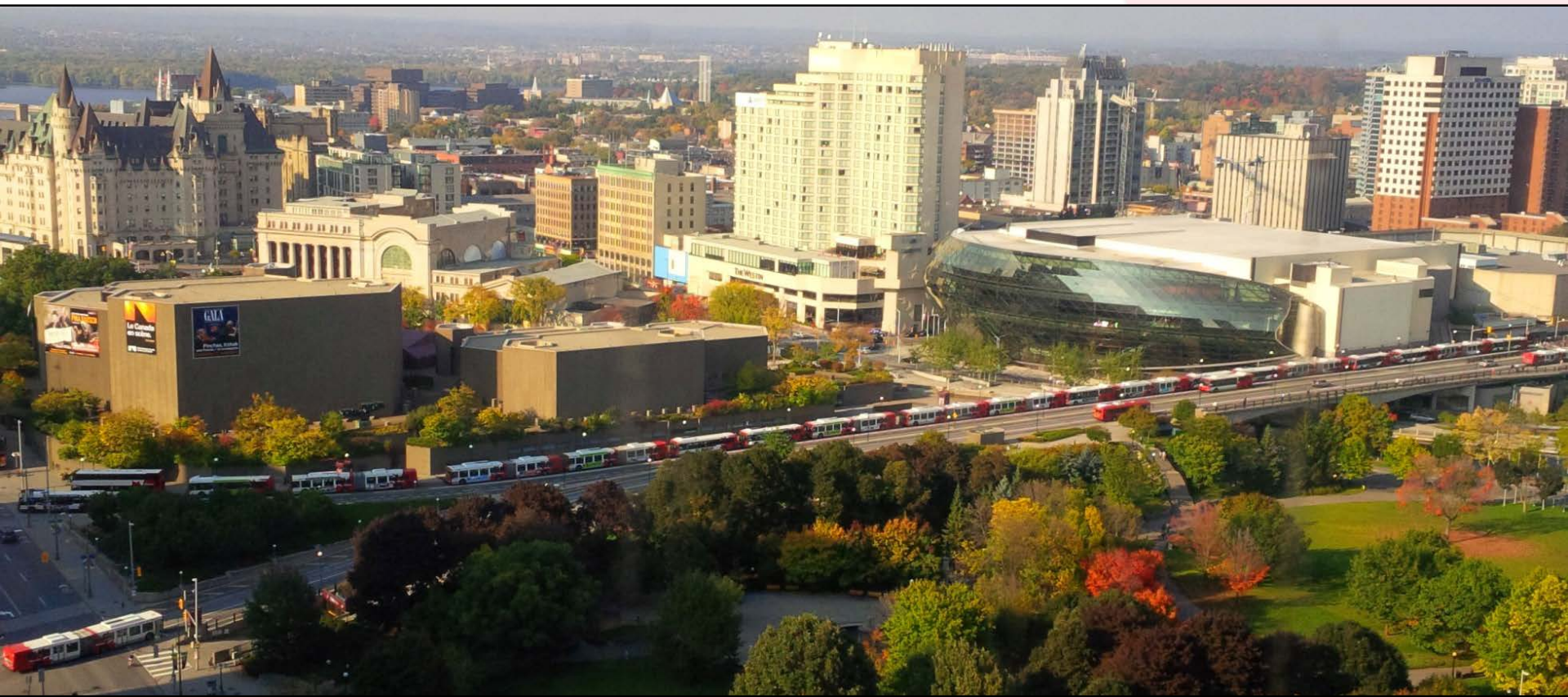
Confederation Line – Stage 1

- Overview – project, consortium, vehicles

Confederation Line – Stage 2

- Overview – project, benefits
- New Orchard Station – connectivity
- Construction – timelines, mitigation
- Our Lady of Fatima Church – Parking Lot

Ottawa's Transit Challenge



Confederation Line - Alignment



Project Overview

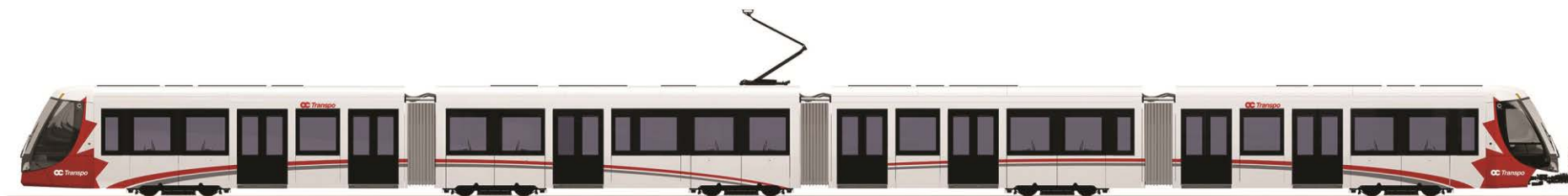
- Ottawa has embarked on the largest infrastructure project since the building of the Rideau Canal
- The City of Ottawa will be the ultimate Owner
- Rideau Transit Group (RTG) \$2.1 Billion Fixed Price Contract
- Rideau Transit Maintenance (RTM) 30-year maintenance contract

Light Rail Vehicle

Alstom Citadis Spirit



Our Train Configuration



One car configuration

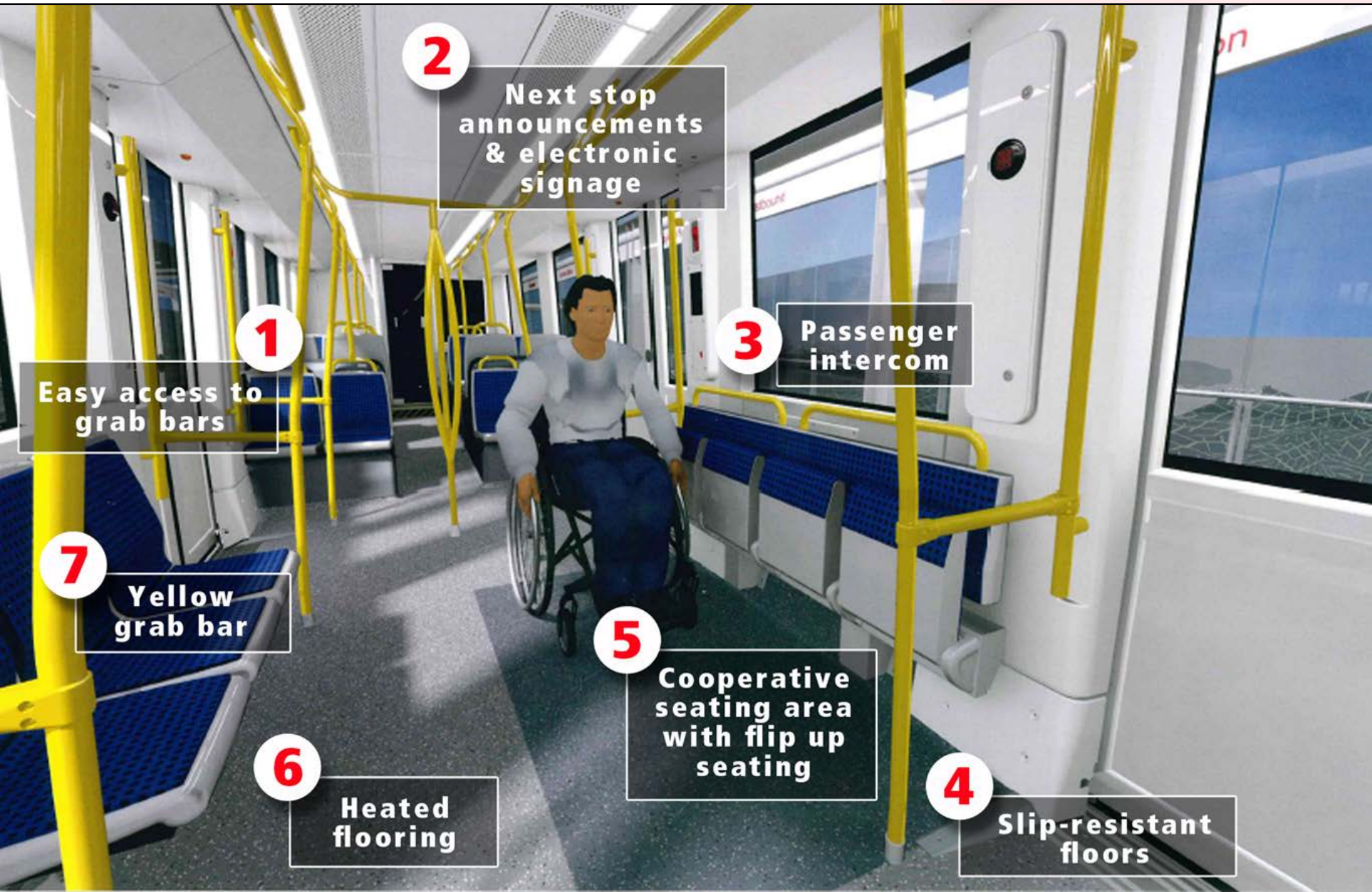


Two car configuration



Two cars coupled

Vehicle Interior



2

Next stop
announcements
& electronic
signage

1

Easy access to
grab bars

3

Passenger
intercom

7

Yellow
grab bar

5

Cooperative
seating area
with flip up
seating

6

Heated
flooring

4

Slip-resistant
floors

System Capacity

- Initial ridership capacity of ~11 000 passengers per hour/per direction
- Initial frequency of every 5 minutes or less in peak hours
- Travel time under 25 minutes, including stops



Hours of Operation

Monday to Thursday

5:00 a.m. to 1:00 a.m.

Friday

5:00 a.m. to 2:00 a.m.

Saturday

6:00 a.m. to 2:00 a.m.

Sunday

8:00 a.m. to 11:00 p.m.



Parliament Station - @ grade



Guideway



Putting the Train into Service

- RTG anticipates turning over the system to the City by **November 2, 2018**
- Once the City accepts the system, OC Transpo has a number of complex activities to complete before putting the light rail system into service
- The City anticipates service will start in **November 2018**, as long as RTG achieves its requirements.

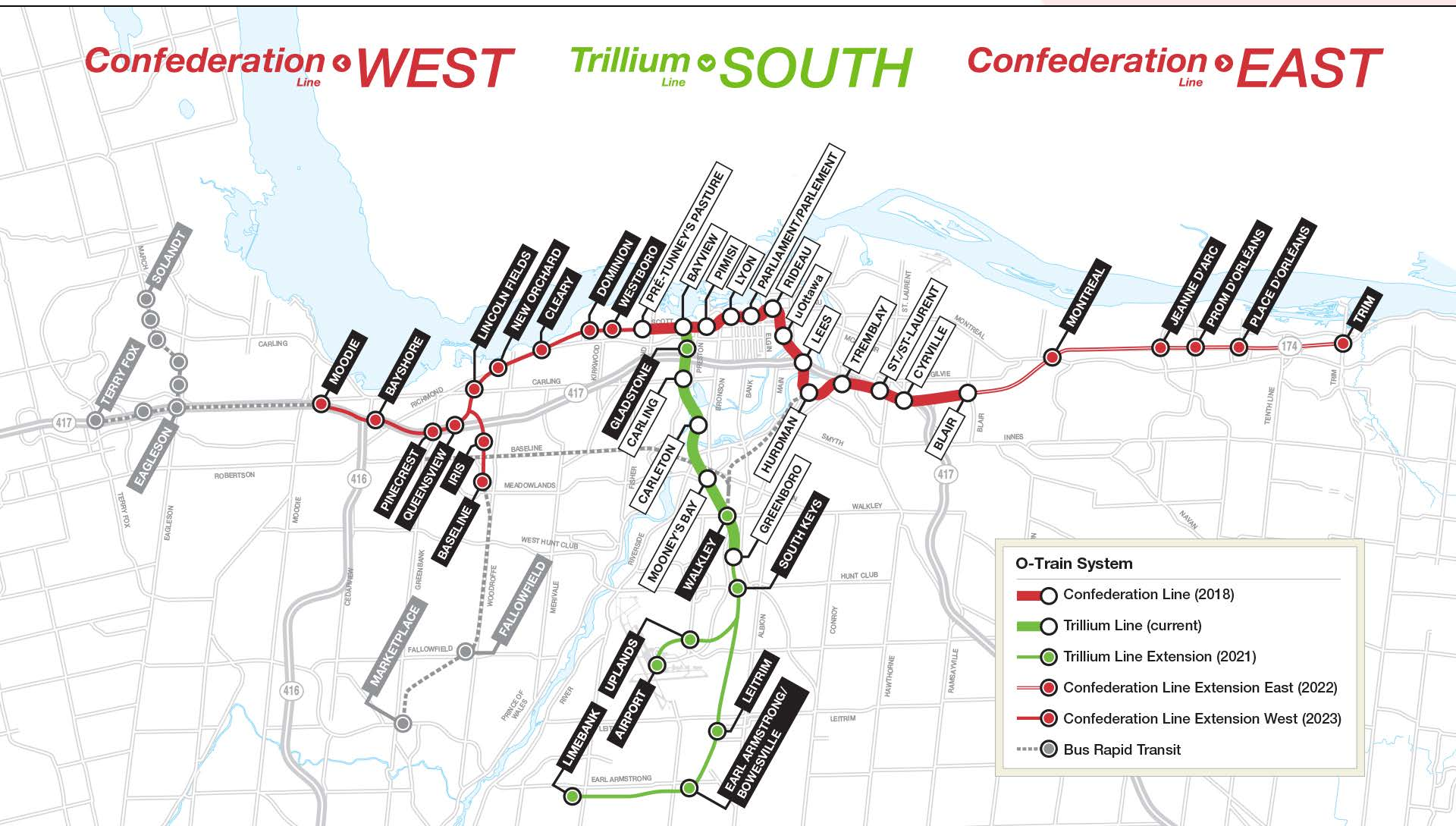
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STAGE
ETAPE 2



Stage 2

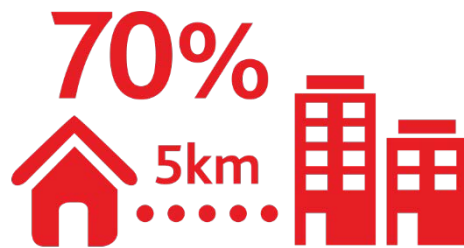
- Consists of 40+ kilometers of rail and 24 new stations
- 3 extensions: Confederation West, Confederation East & Trillium



Benefits



14,000 less vehicles on road during rush hour



70% of Ottawa's population within 5 km of O-Train system



**110 000 tonnes of GHGs
3 000 tonnes of CACs**

**GHG Reductions:
110 000 tonnes**



\$7.1B less in commuting costs



More than 30 km of new multi-use pathways (MUPs)



**\$3.8B Economic Impact:
21,000 person-years of employment generated**

Western Extension



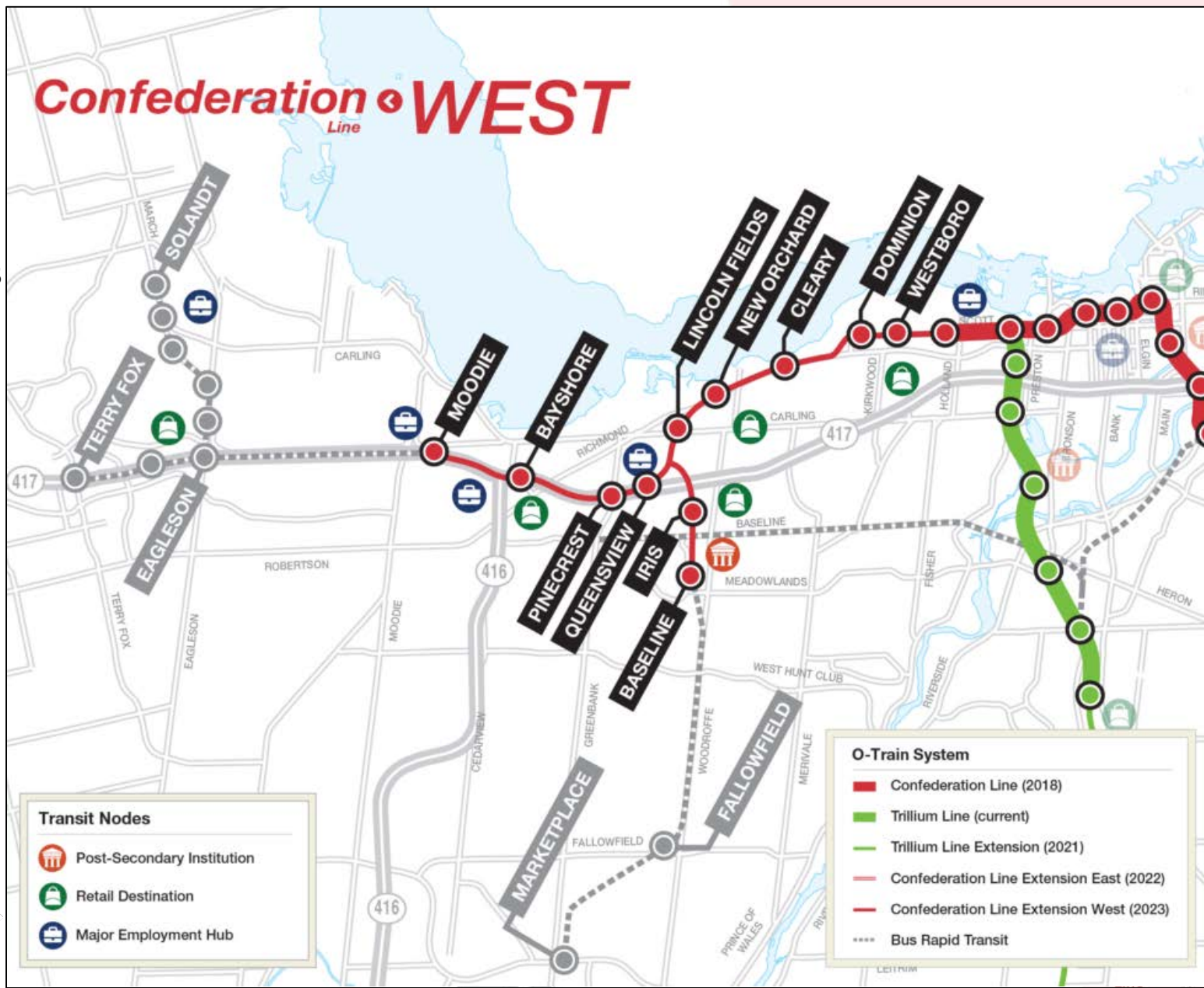
New LRT stations



KM of new rail



KM of new MUP



Eastern Extension



New LRT stations



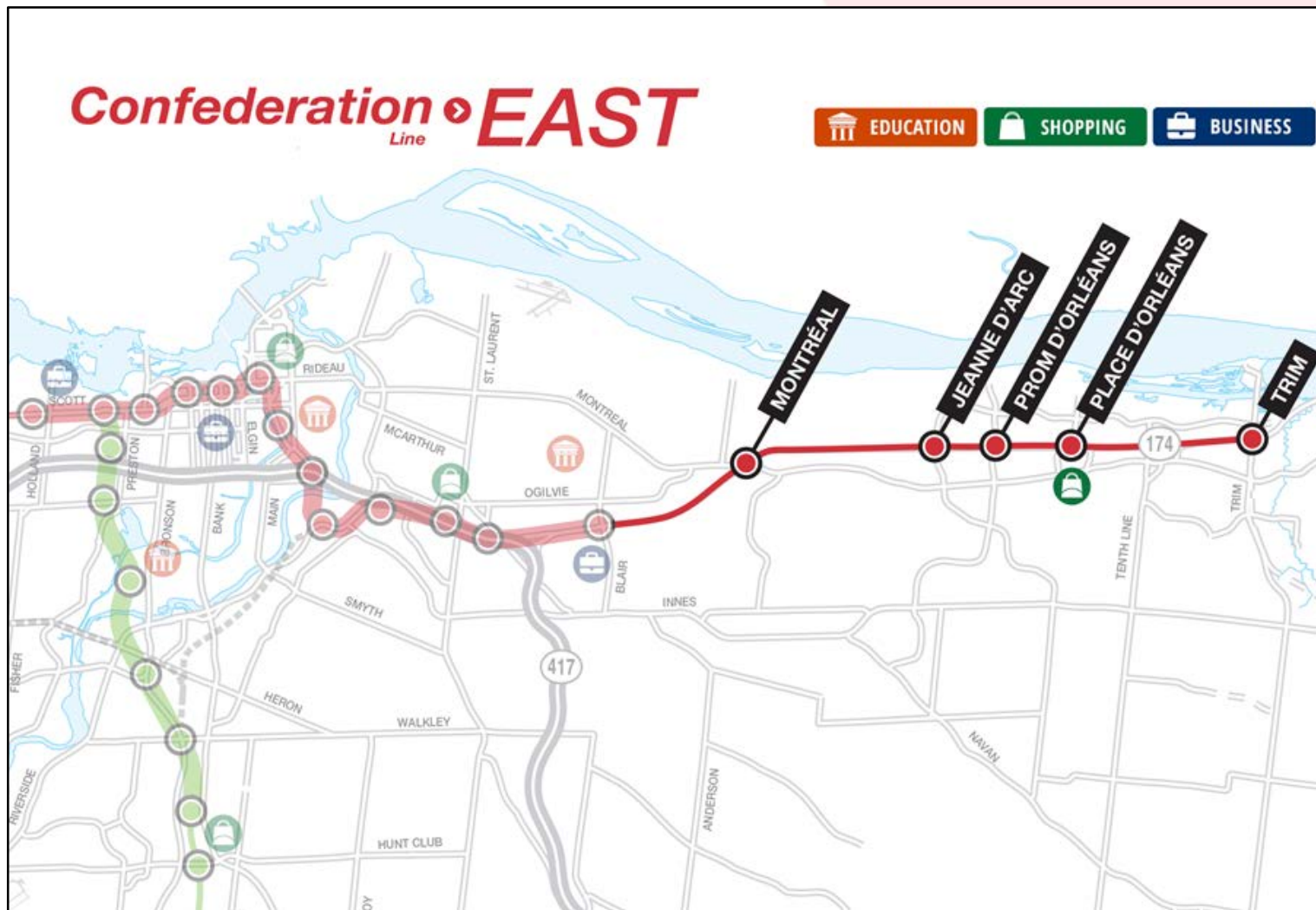
KM of new rail



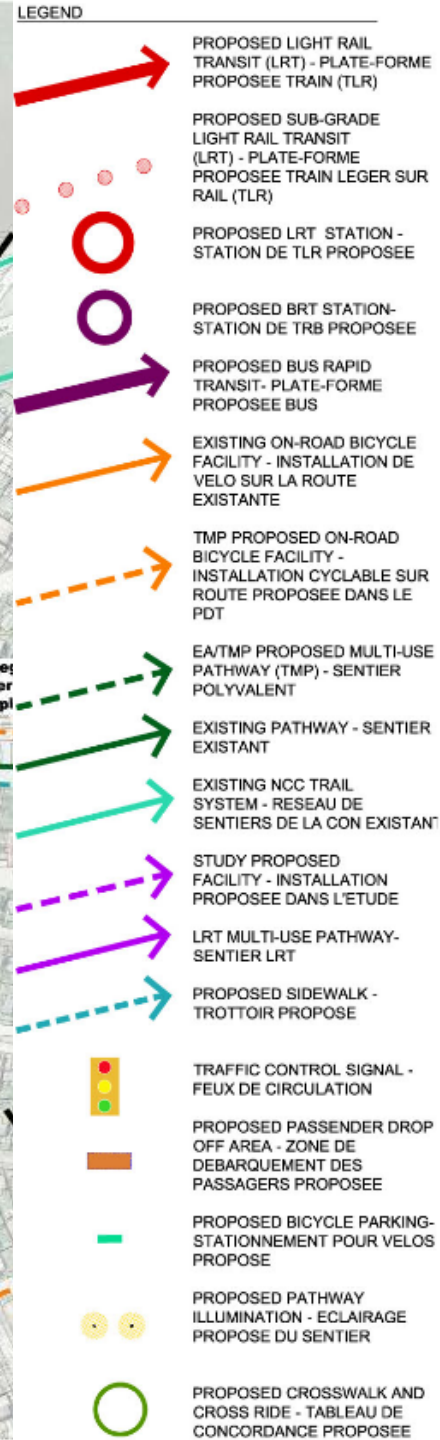
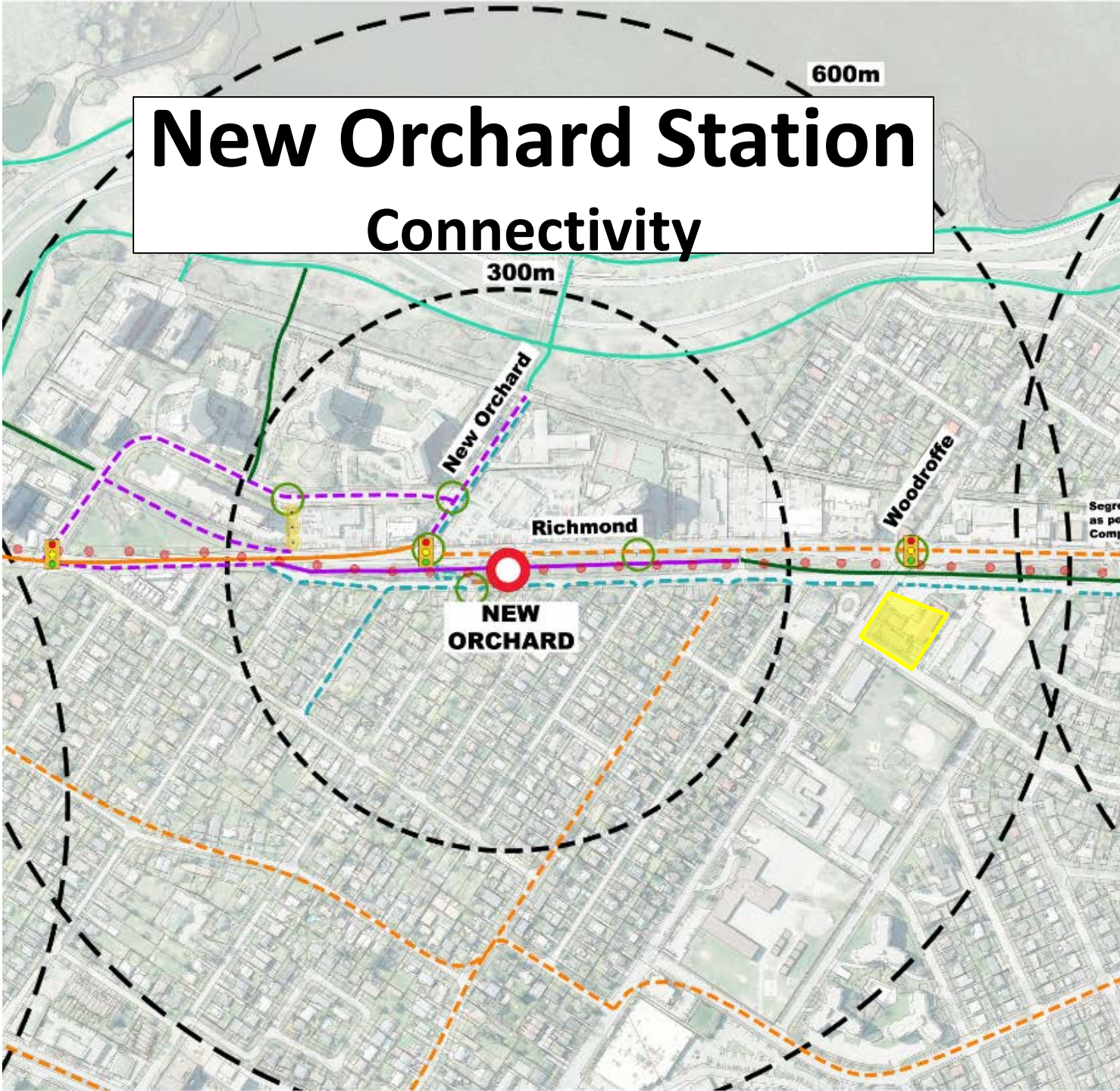
KM of new MUP



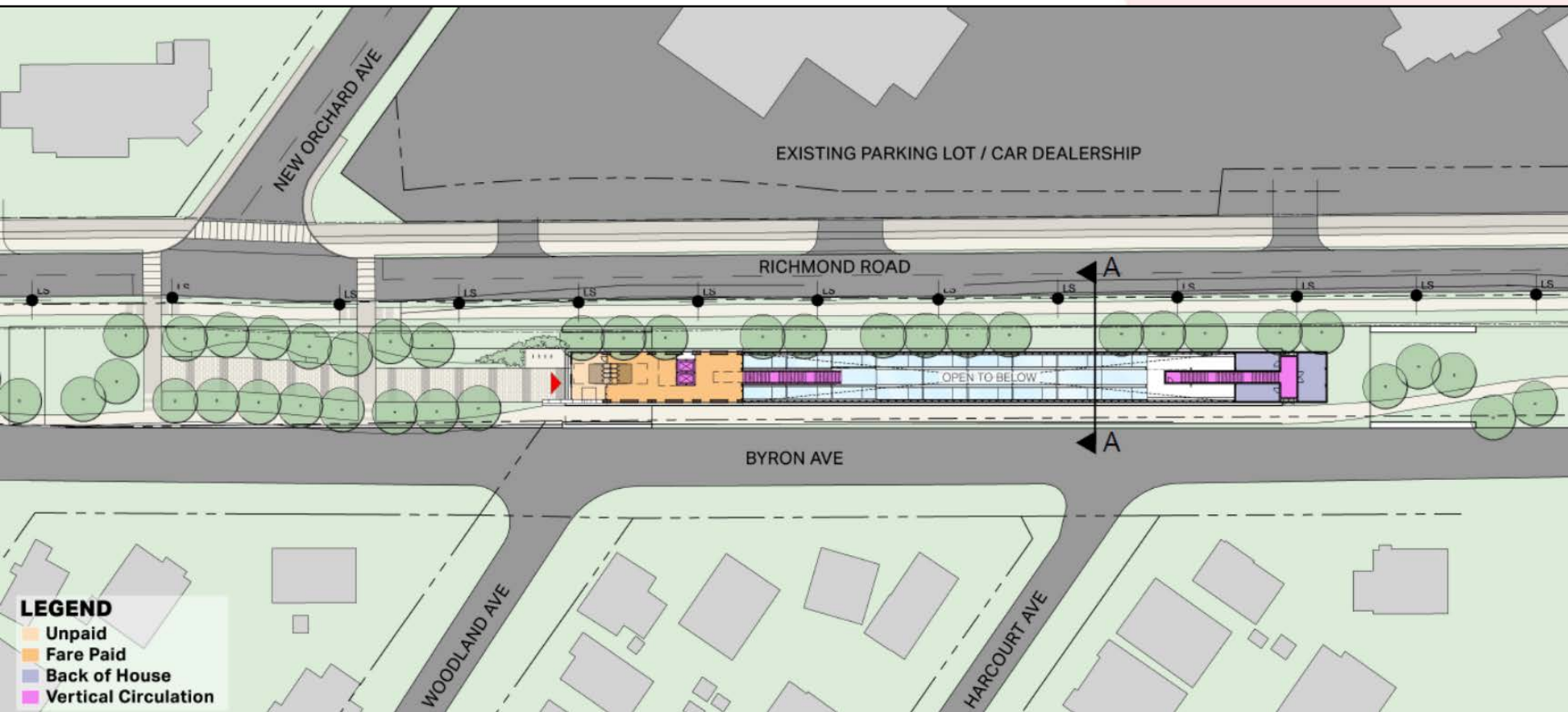
Area residents
within 5 km or rail



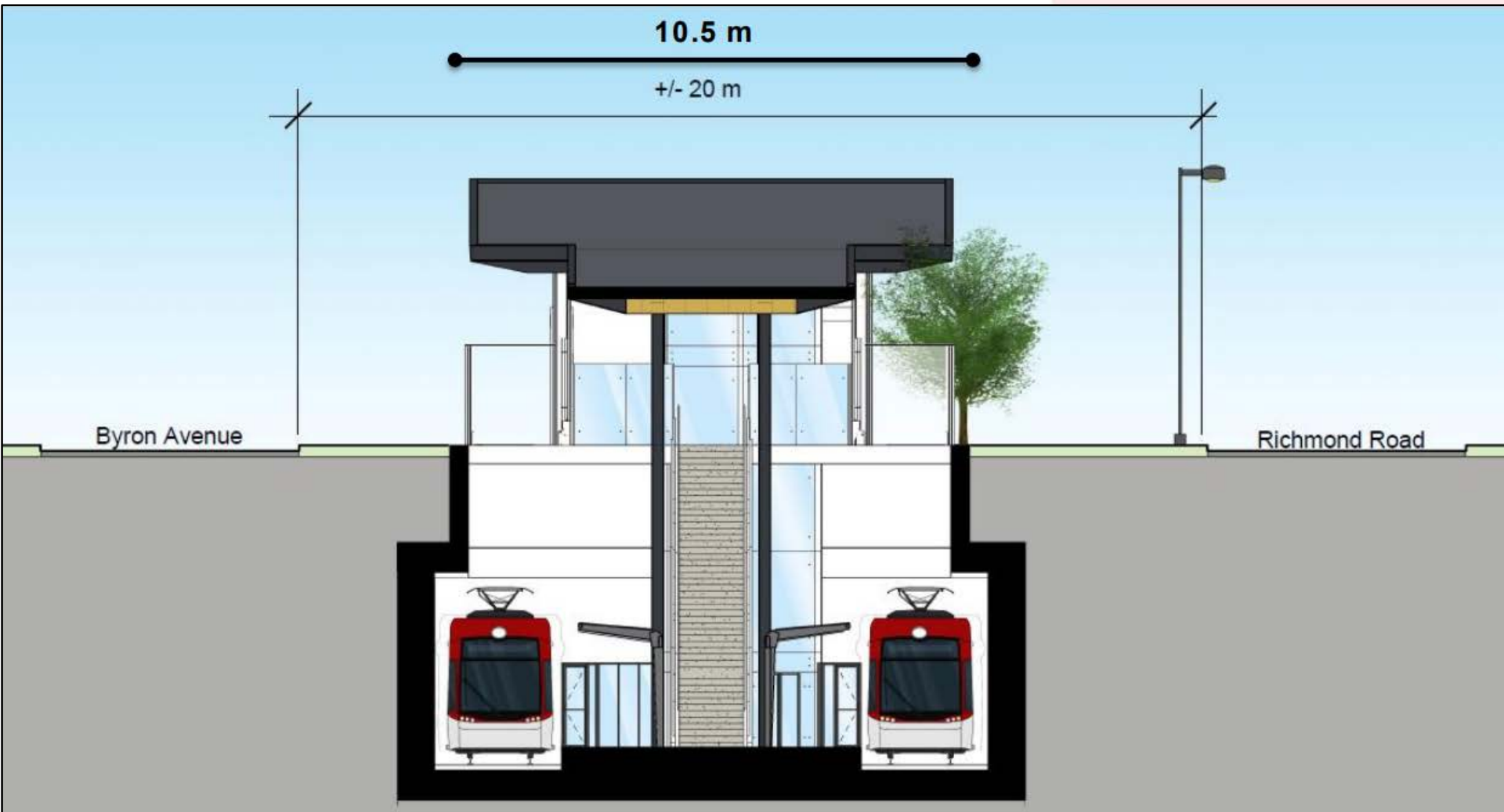
New Orchard Station Connectivity



New Orchard Station - Footprint



New Orchard Station



New Orchard Station



Richmond Road Complete Street



- Additional tree planting where possible
- MUPs/cycle track coordinated with Byron Linear Park design
- Raised intersections for safety/fewer lanes to slow traffic speeds
- Detailed design will address opportunities for on street parking

Richmond at New Orchard



Construction

Overview

- Cut and Cover technique for tunnel construction
- Limits on noise and vibration during construction and operation
 - City by-law and contract requirements
 - Contractor innovation/incentives

Issues

- Noise and vibration ... mitigation measures
- Connectivity during construction/operations
- Air quality impacts
- Construction site staging/mobilization

Project Schedule

- Tree Relocation Program – 2018
- Contract Award – 2018
- Stage 2 Construction commences – 2019
- Byron Hydro Pole reconfiguration
- Byron south sidewalk constructed
- Alignment construction
- Richmond Road Complete Street
- Byron Linear Park redevelopment
- OLFC parking lot construction



Track Mitigation

- Direct Fixation is prescribed in Schedule 17
- DB Co is required to undertake a Noise and Vibration analysis to determine if further mitigation is required



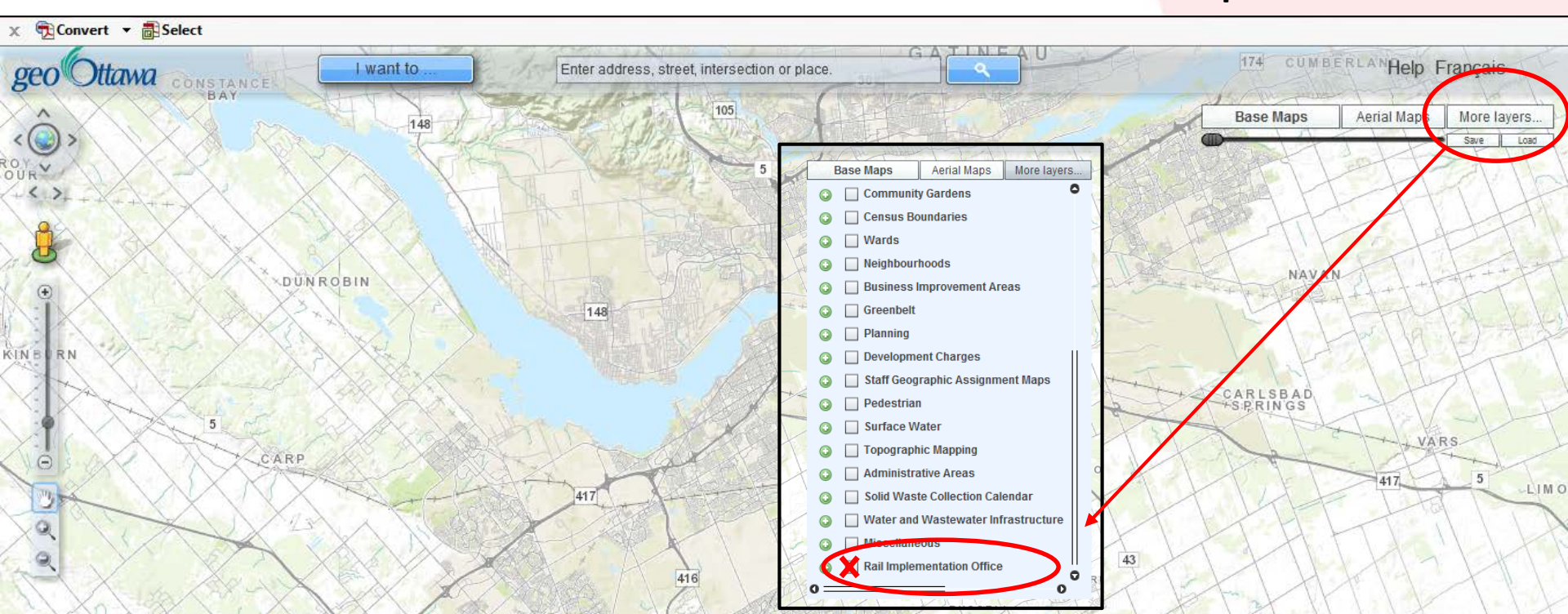
Timelines to Implementation

Activity	Timeline
Stage 2 Contract Award	Q4 2018
Construction Commences	2019
Revenue Service Trillium Line	2021
Revenue Service Confederation Line East	2022
Revenue Service Confederation Line West	2023

Resource - GeoOttawa

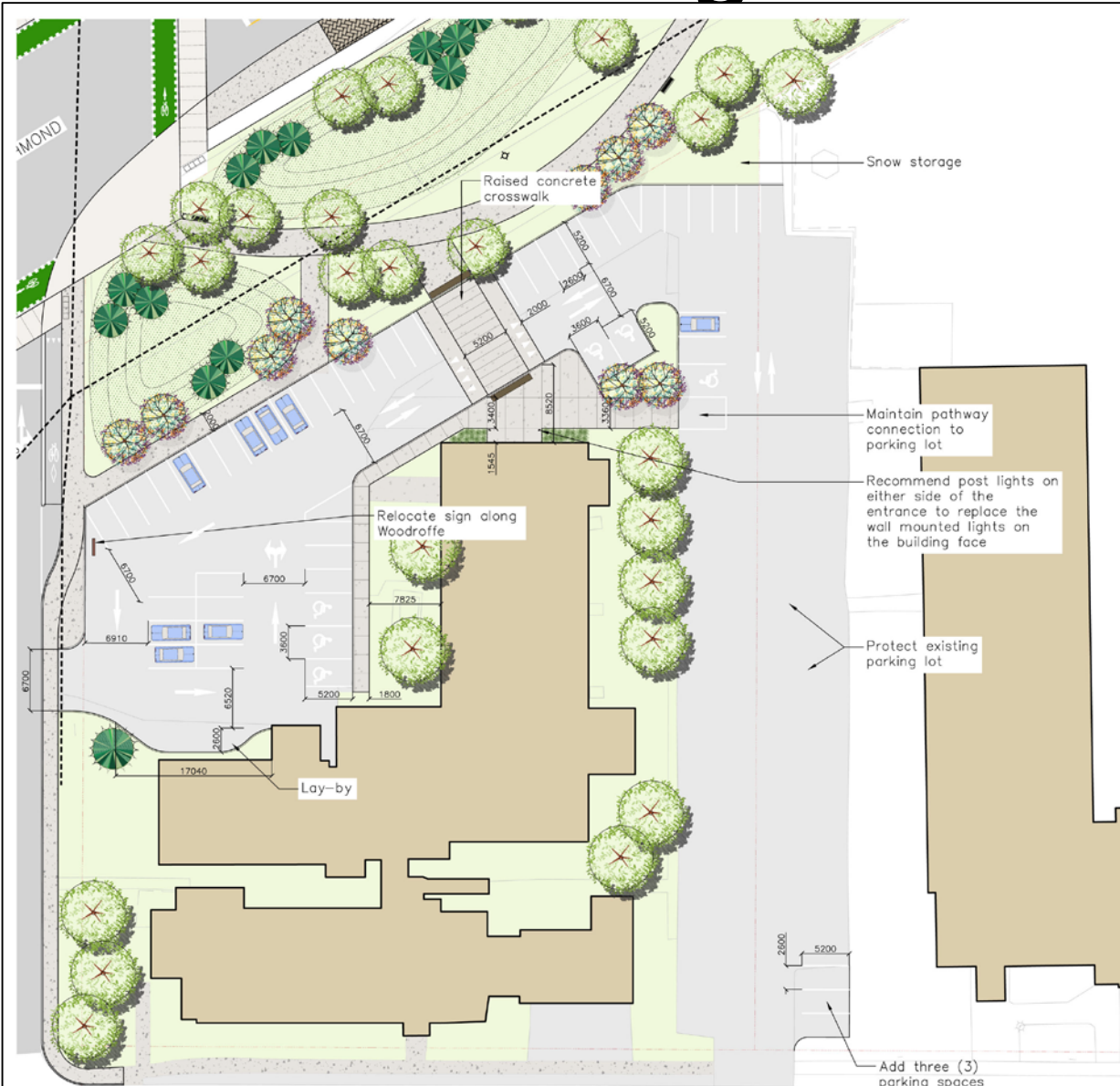
maps.ottawa.ca/geoottawa/

- 1 - click "more layers"
- 2 - scroll to the bottom of the list
- 3 - select Rail Implementation Office





Parking Lot Redesign



Adjacent Street Parking

Knightsbridge Road

South: weekend parking to be permitted

North: weekend parking already permitted

Lockhart Avenue

East: weekend parking already permitted

West: weekend parking to be permitted except in school bus loading zone



Stakeholder Relations

The city is committed to providing up to date information during LRT planning and construction. Our stakeholder team is available to answer and respond to questions from stakeholders.

Damon Berlin

City of Ottawa, Stakeholder Relations

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613-580-2424 ext. 12764

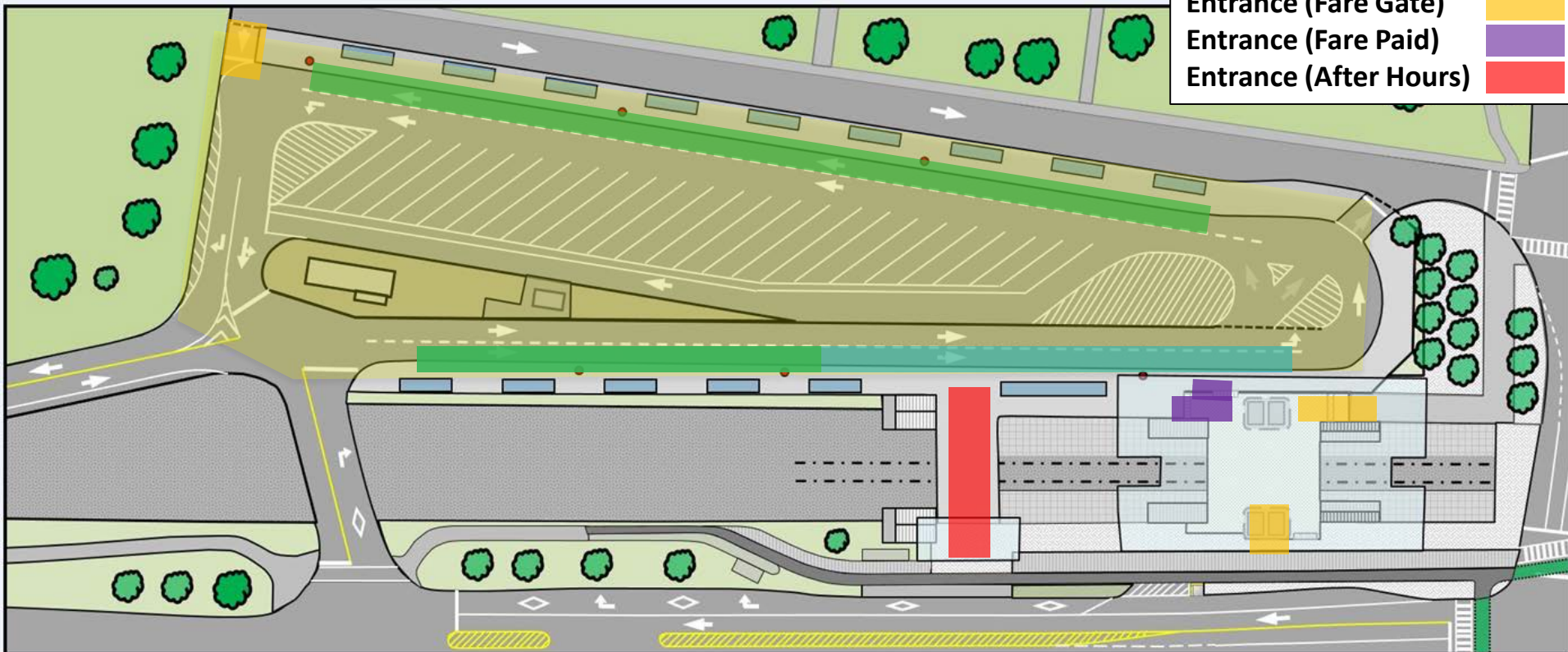
Questions?



Tunney's Bus Loop (Revenue Service)

LEGEND

- Bus Drop-Off ■
- Bus Pick-Up ■
- Entrance (Fare Gate) ■
- Entrance (Fare Paid) ■
- Entrance (After Hours) ■



Resources

For more information on the projects please visit:

Confederation Line – Stage 1

ligneconfederationonline.ca

lightrail@ottawa.ca

Confederation Line – Stage 2

stage2lrt.ca

stage2@ottawa.ca

Ready For Rail

octranspo.com/ready4rail

ready4rail@ottawa.ca

Stakeholder Relations and Communications

Extensive stakeholder engagement:

- Dedicated local community liaison
- Rapid response to all correspondence
- Use of social media/website for notice of upcoming work
- Communicate often/well on anticipated works
- Stage 1 process has been well received
- Applying “lessons learned” from Stage 1