



CC Transpo



Confederation Line Stage 1, Stage 2 and Ready for Rail

Ottawa Real Estate Brokers March 1st, 2018



Agenda

Confederation Line – Stage 1

- Overview project, consortium, vehicles
- Construction Update stations, tunnel, update
- Ready for Rail

Confederation Line – Stage 2

- Overview benefits, vehicles
- Timelines

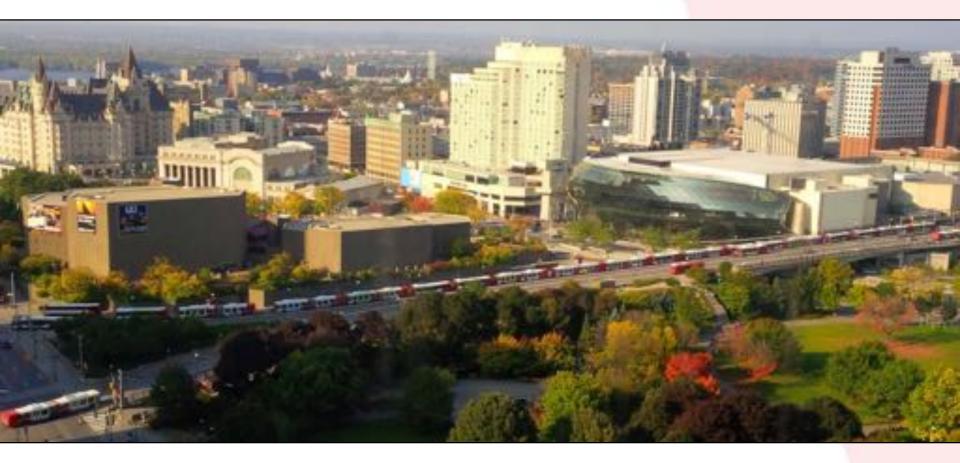
Real Estate & Development Resources





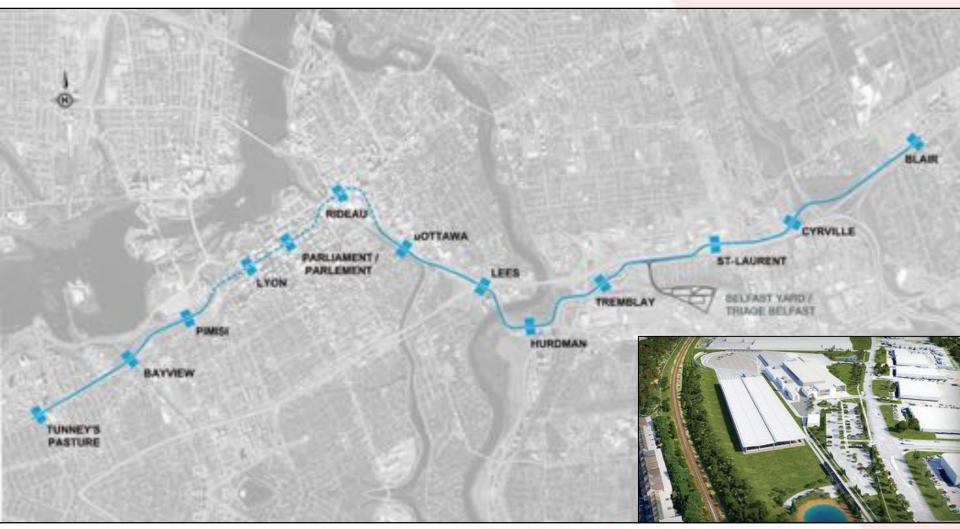


Ottawa's Transit Challenge

















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 will assume the responsibility for the ongoing maintenance of the Confederation Line on behalf of the city as Rideau Transit Maintenance (RTM)
- OLRT Constructors is the group within RTG responsible for the build of the system







VEHICLE AND SYSTEM







Light Rail Vehicle



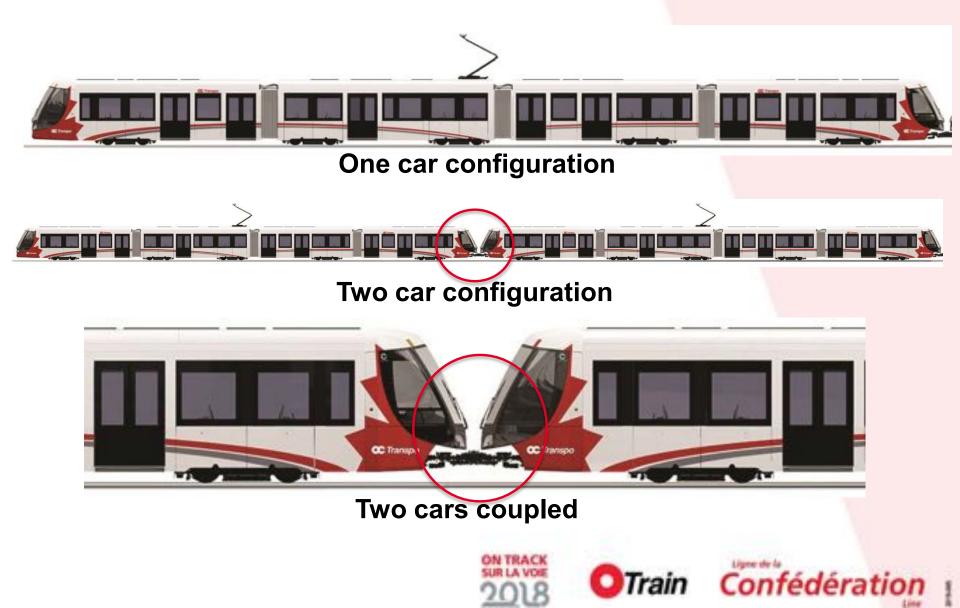








Train Configuration





Vehicle Assembly

34 trains will comprise the Confederation Line system. To date:

20 trains are completely assembled.

18 of them are undergoing testing.

9 more trains are in various stages of assembly.

Train

Confédération



System Capacity

- Initial ridership capacity of ~11 000 pphpd
 - Future expansion can accommodate an ultimate ridership of 24,000 pphpd
- Initial frequency of 3:30 min (peak hours)
- Travel time from Tunney's to Blair totalling under 24 min, including stops





Vehicle Interior





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.





STATIONS & UPDATE





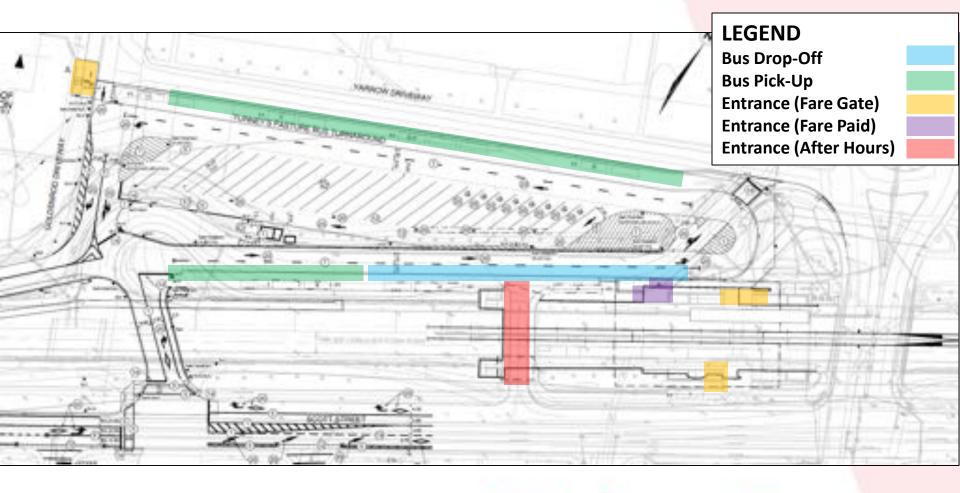


Cittawa Tunney's Station & Bus Loop





Tunney's Bus Loop (Revenue Service)







Cttawa Tunney's Pasture Station





Bayview Station











Pimisi Station





Running Tunnel

Final concrete lining poured: 78,957 m³ Approximately 5,325 m³ remains

Final shotcrete lining sprayed: 2,879 m³

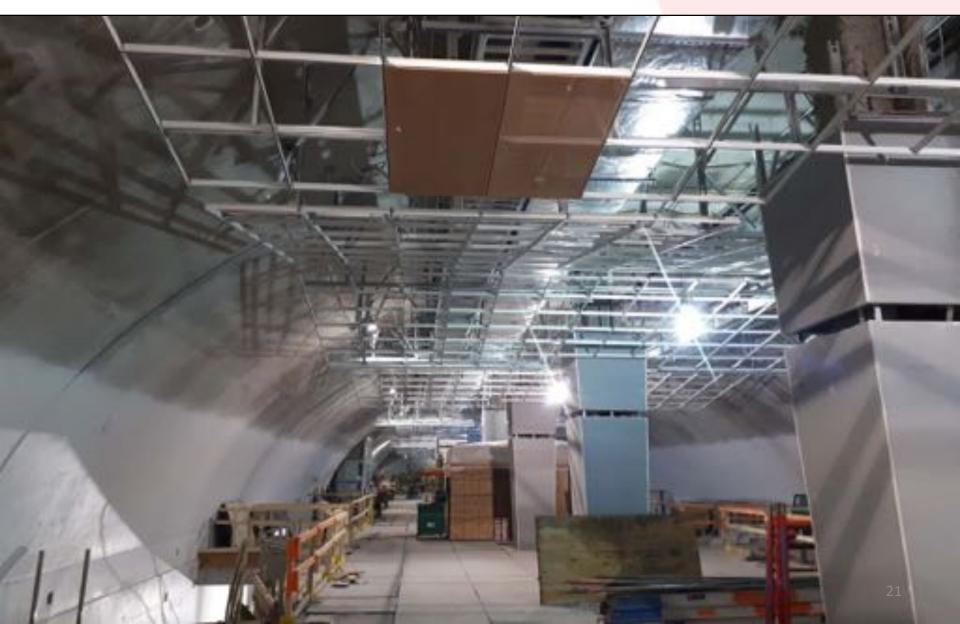


Lyon Station - Concourse





Lyon Station - Concourse





Parliament Station - @ grade





Rideau Station – Concourse











Rideau Station

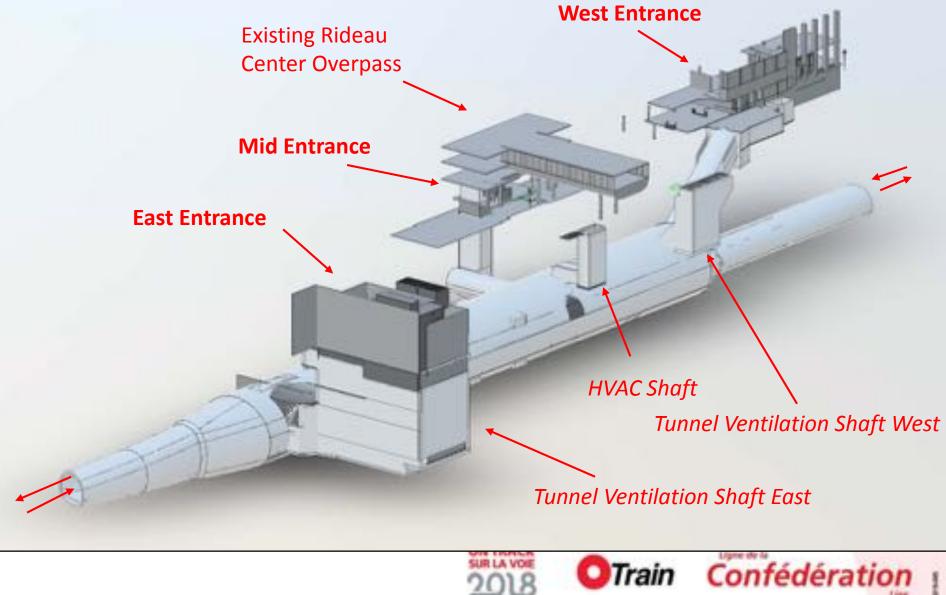










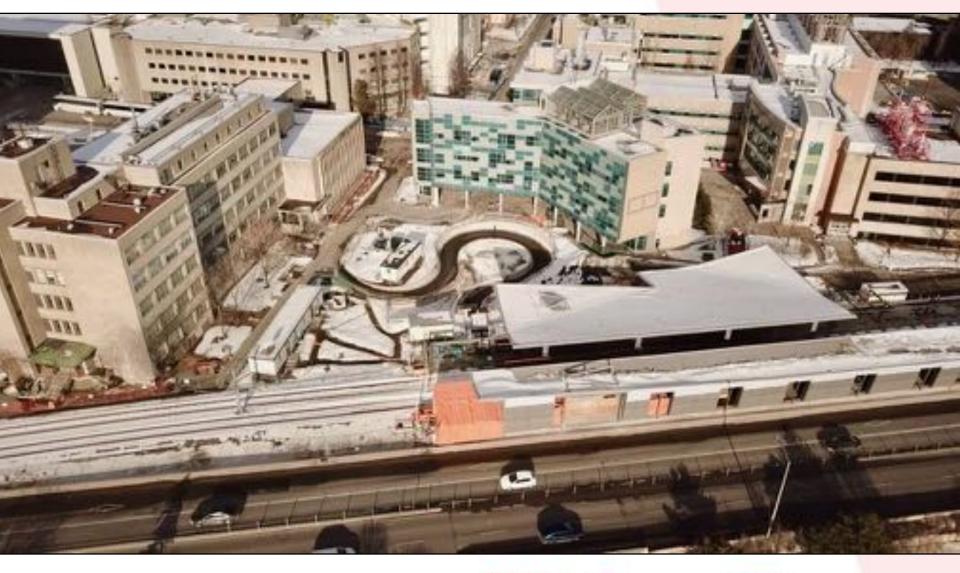




Train



uOttawa Station











Hurdman Station







Tremblay Station









St. Laurent Station

19,384 metres of Overhead Catenary wire have been installed along the guideway

All 335 Overhead Catenary System poles have been installed along the guideway.

Guideway



Power Delivery - TPSS









Belfast Yard







Putting the Trains into Service

The train will move into full service from Tunney's Pasture to Blair Station once:

- 1. Full testing, commissioning trial running and certifications are complete and signed off;
- 2. An independent Safety Auditor signs off on the safety of the System;
- 3. Revenue Service Availability is met; and,
- 4. The City confirms that the system is safe, reliable and ready for public use.







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.









OCTRANSPO.COM/READY4RAIL

Ready for Rail TWD **Key Insights** less traffic tunnel world class easy-to-use frequent safe redictable new efficient accessible

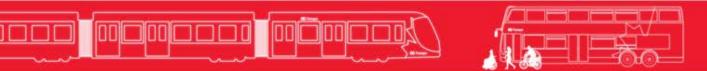


OCTRANSPO.COM/READY4RAIL



Ready for Rail - Themes

Route and stations	Train capacity and doors	Frequency of service	Automated fare gates
Transfer / Fare-paid zones	Bus, bike, ride & walk connections	Accessibility features	Safety and security features
	Ticket machines	Ready for Rail travel planner	





STAGE (2)





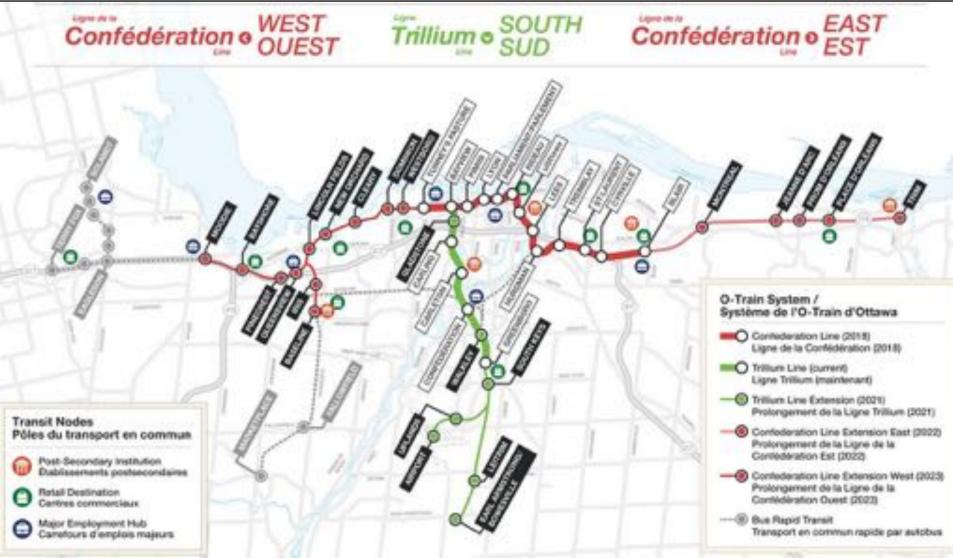






Stage 2

- Consists of 40+ kilometers of rail and 23 new stations
- 3 extensions: Confederation West, Confederation East & Trillium





Connecting Communities



Stage 2 LRT will ... Get you home faster









Benefits



Relieve Congestion



GHG reductions



Less in commuting costs



\$7.1

More jobs and investment





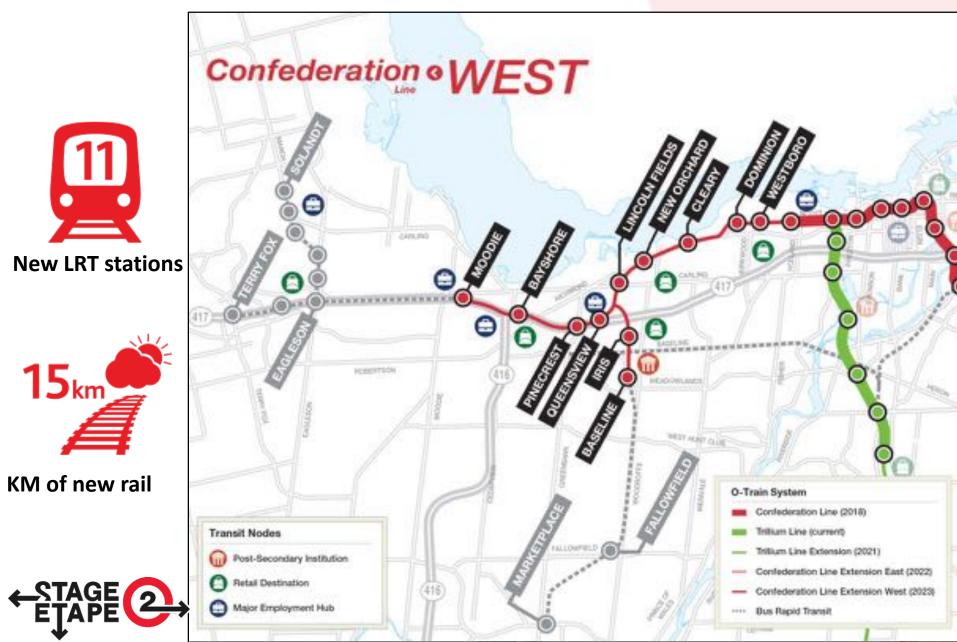




billion



Western Extension





Eastern Extension





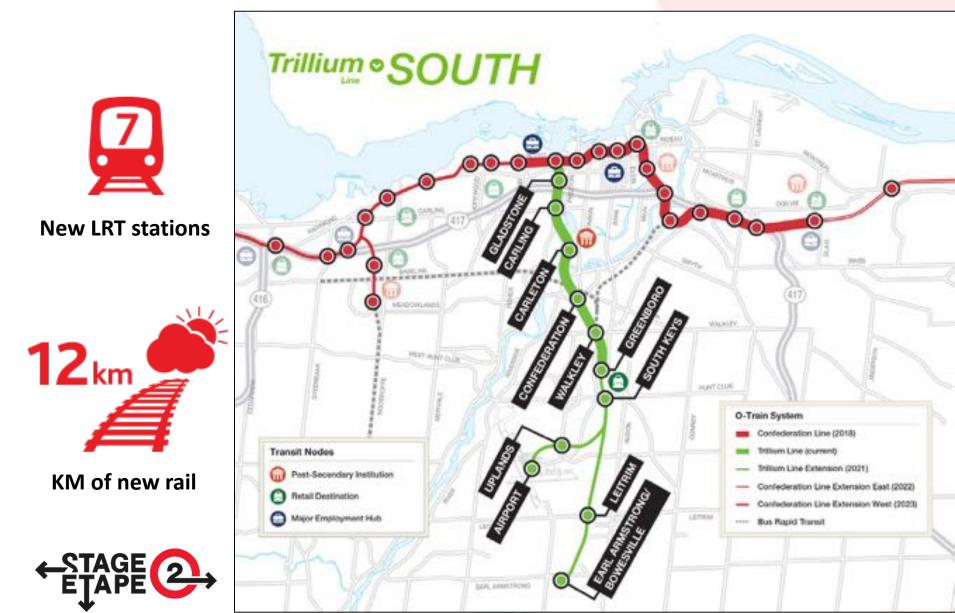








Southern Extension



Dominion Station Connectivity



DOMINION



Timelines to Implementation

Timeline
Q2 2017
Q3 2017
2018
2019
2021
2022
2023







REAL ESTATE & DEVELOPMENT









Real Estate Opportunities

Ask yourselves...

- How will the Confederation Line affect my clients?
- What are the longer-term economic implications on lease rates, vacancy rates, sale prices, appraised values?
- Who will be the winners, the losers?







LRT & Ottawa Real Estate

- Developments are market driven
- LRT will impact where developments occur
- More difficult to identify real estate opportunities along the first phase – already developed – but intensification still possible
- Expanded system in Stage 2 offers new opportunities
- BRT vs LRT

Each community has a chance to do something different. The light rail is going to change some dynamics if you're looking longer term," Mr. Shaw says. "The light rail is going to dramatically affect [some neighbourhoods]."

https://www.theglobeandmail.com/real-estate/themarket/how-ottawa-has-become-a-real-estatemarket-to-watch/article37789699/





Trinity Development Albert Street/Bayview Station











LeBreton Flats





Train



Ottawa Gloucester City Centre





Shoppers City East





RESOURCES





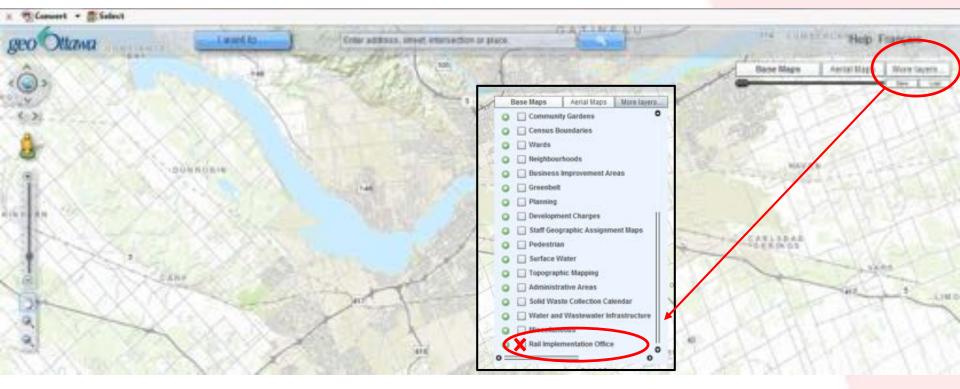




Resource - GeoOttawa

maps.ottawa.ca/geoottawa/

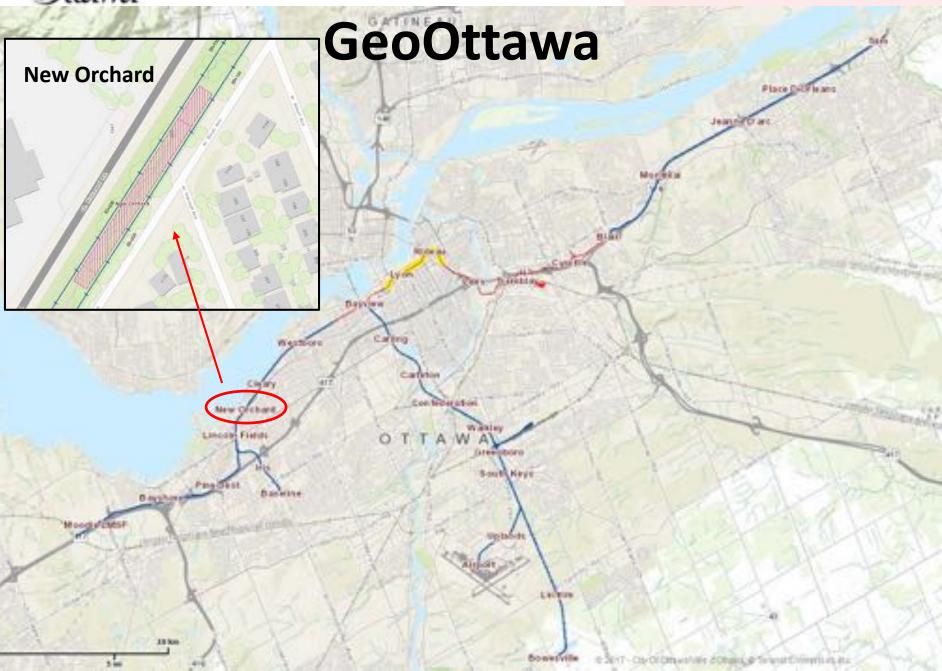
- 1 click "more layers"
- 2 scroll to the bottom of the list
- **3 select Rail Implementation Office**













Resources

For more information on the projects please visit: **Confederation Line – Stage 1** ligneconfederationline.ca lightrail@ottawa.ca **Confederation Line – Stage 2** stage2lrt.ca stage2@ottawa.ca **Ready For Rail** octranspo.com/ready4rail ready4rail@ottawa.ca











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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Questions?



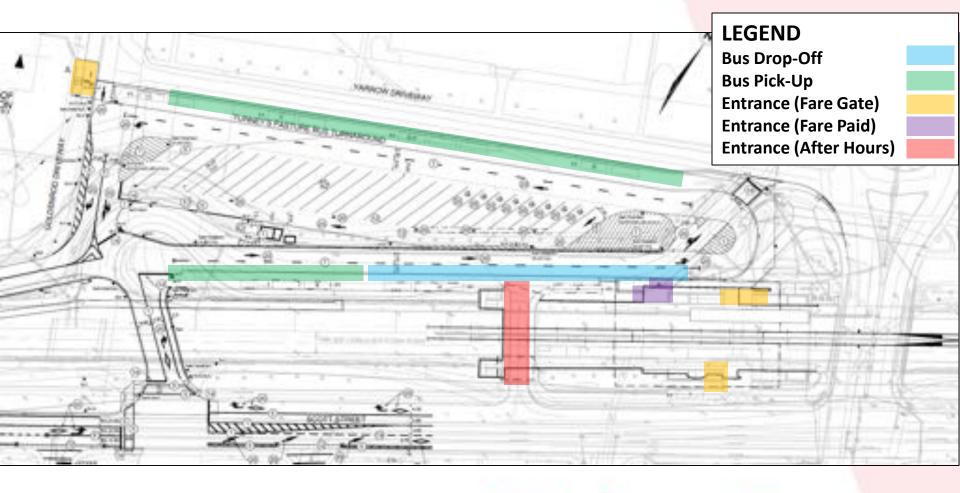








Tunney's Bus Loop (Revenue Service)









Tunney's Station (from Yarrow)





Tunney's Station (from Scott Street)

