

Ontario Line

Downtown Segment

Land acknowledgement

Metrolinx wishes to recognize that it operates on the traditional territories of the Anishnabeg, the Haudenosaunee and the Wendat Peoples.

In particular, we acknowledge that the Ontario Line project takes place on Treaty 13 territory with the Mississaugas of the Credit First Nation.

We acknowledge that Metrolinx operates on these lands and has a responsibility to work with the original keepers of this territory and the many diverse Indigenous Peoples living here today.

Metrolinx remains committed to engaging with Indigenous Peoples and Nations on the Ontario Line project.

Safety moment

Get your vaccine if you are eligible.

Over 1400 pharmacies in Ontario are offering the AstraZeneca vaccine to those aged 40+.

Find a pharmacy in your community and book your appointment directly at <https://covid-19.ontario.ca>



Select Ontario pharmacies offering
24/7 COVID-19 vaccinations



Introduction to panel



Richard
Tucker

Ontario Line
Project Director



Malcolm
MacKay

Ontario Line
Project Sponsor



Natasha
Jailal

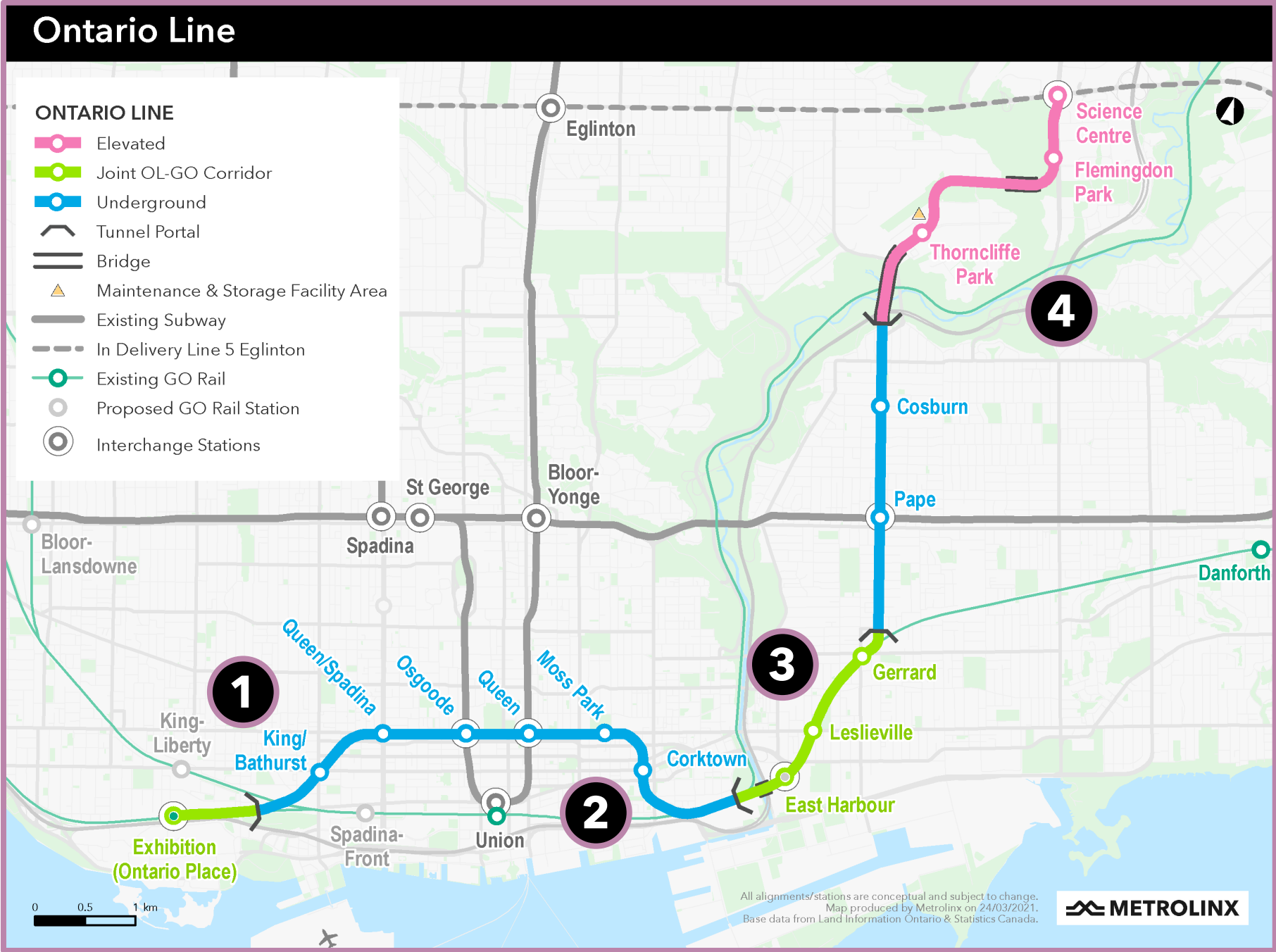
Senior Manager,
Property Team



Carrie
Sheaffer

Senior Manager,
Environmental
Programs and
Assessment

The Ontario Line



- 1 West**
(Exhibition to Queen/Spadina)
- 2 Downtown**
(Osgoode to Don Yard)
- 3 East**
(East Harbour to Pape South)
- 4 North**
(Pape to Science Centre)



15.6 kilometres



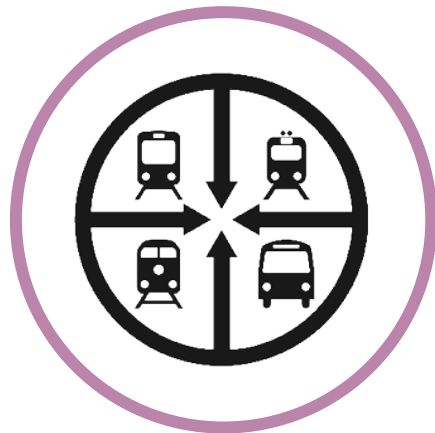
15 stations



388,000 daily
boardings



Every 90 seconds
during rush hour



40+ connections to
other transit options

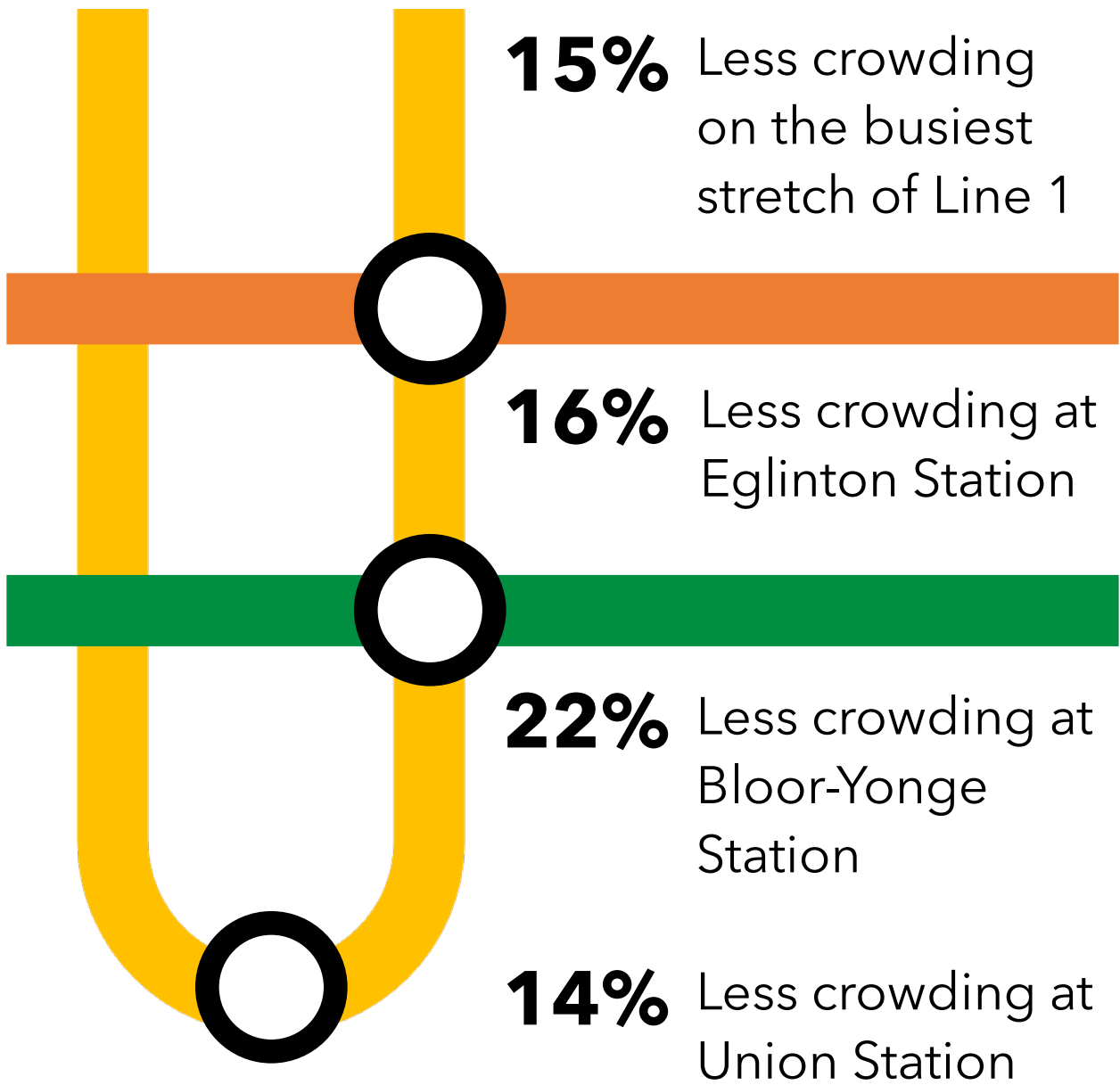


255,000 more people
within walking
distance to transit

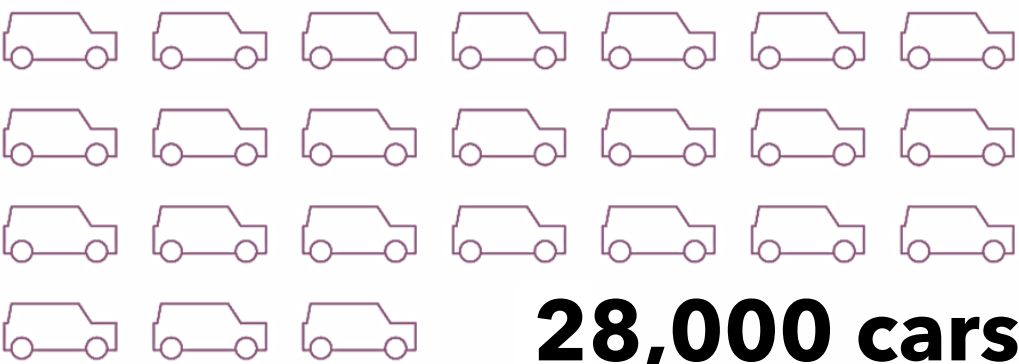


Up to 47,000 more jobs
accessible in 45 minutes
or less, on average

Less crowding




Less pollution



28,000 cars

taken off the road

 = 1,000 cars

Which will save...

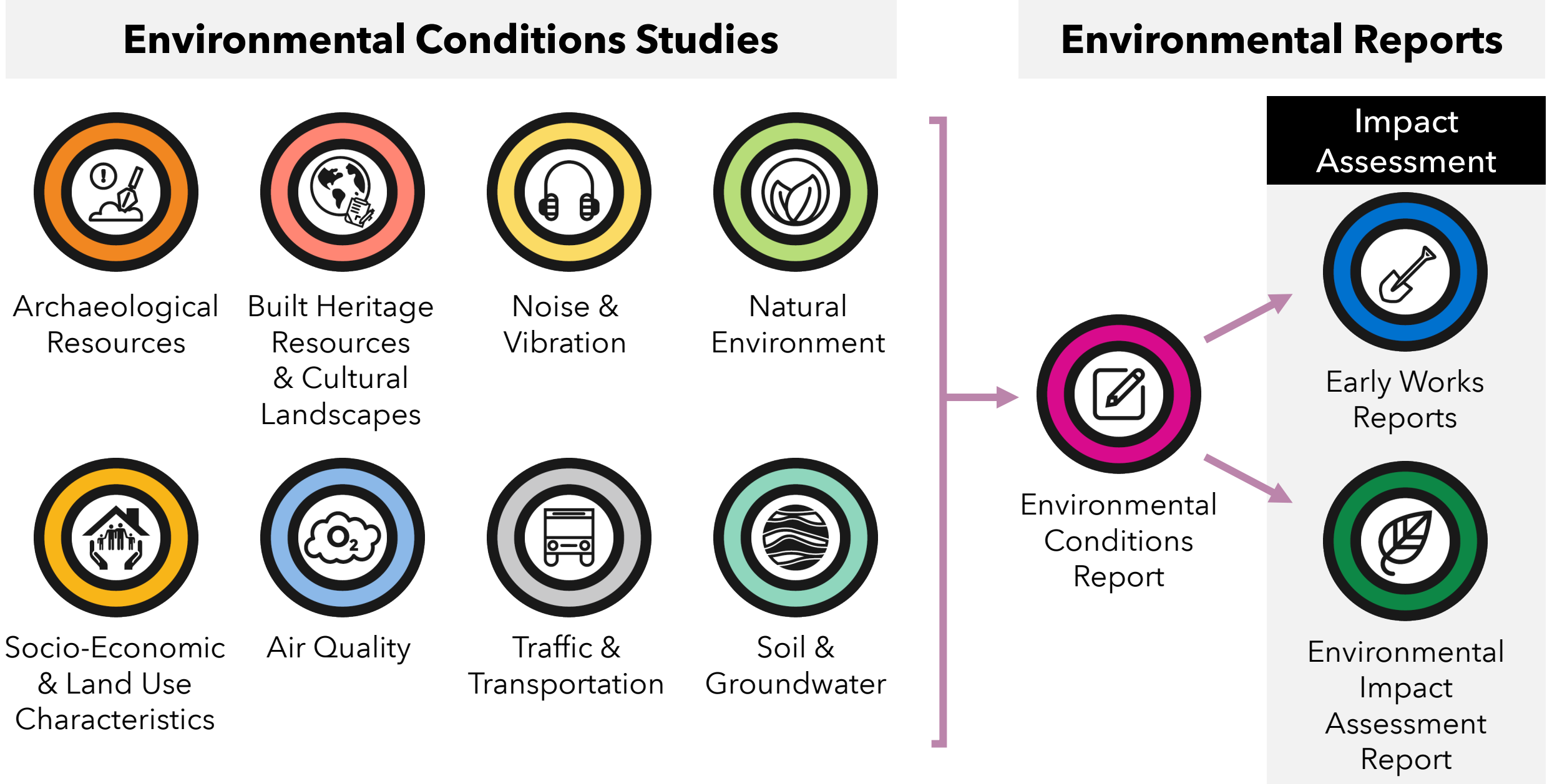


7.2 million litres
of automobile fuel per year



14,000 tonnes
of GHG emissions per year

Environment



Ontario Line features

- Electric, automated (driverless) trains for a quieter, smoother ride with no additional emissions
- Train doors will automatically open and close in sync with platform edge doors



Example platform doors in Japan and Copenhagen

What are the procurement packages?

Rolling Stock, Systems, Operations and Maintenance (RSSOM)



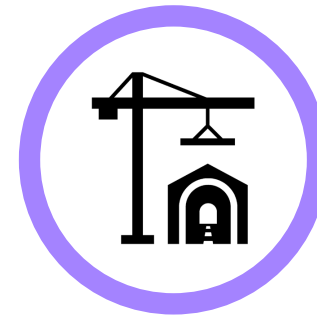
- Design, build, operate and maintain trains
- Design, build, operate and maintain track, communications, train control systems, and maintenance and storage facility
- The TTC will be responsible for day-to-day operations as they relate to customer-facing activities such as fare enforcement and network transit control

Southern Civil, Stations and Tunnel



- One above-ground station integrated with existing GO Transit Exhibition station
- Two underground stations integrated with existing TTC Osgoode and Queen stations
- Four new underground stations (King/Bathurst, Queen/Spadina, Moss Park, Corktown)
- Two portals
- A six-kilometre tunnel

Northern Civil Stations, and Tunnel



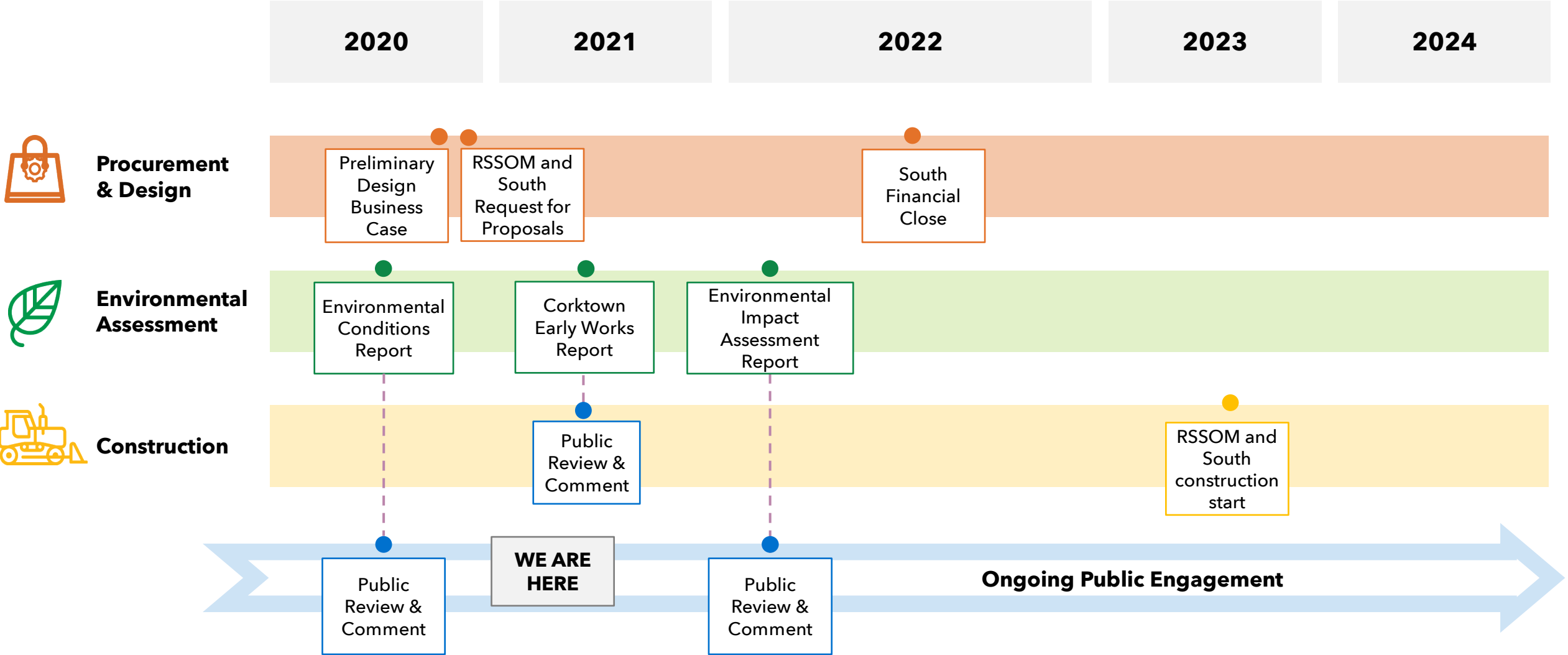
- Seven new stations
- A three-kilometre tunnel
- Two portals
- Bridges
- Elevated guideways

Early Works Contracts



- Bridge, track and other preparatory activities along the joint rail corridor where the Ontario Line will operate next to existing GO Transit rail services, including at Exhibition station

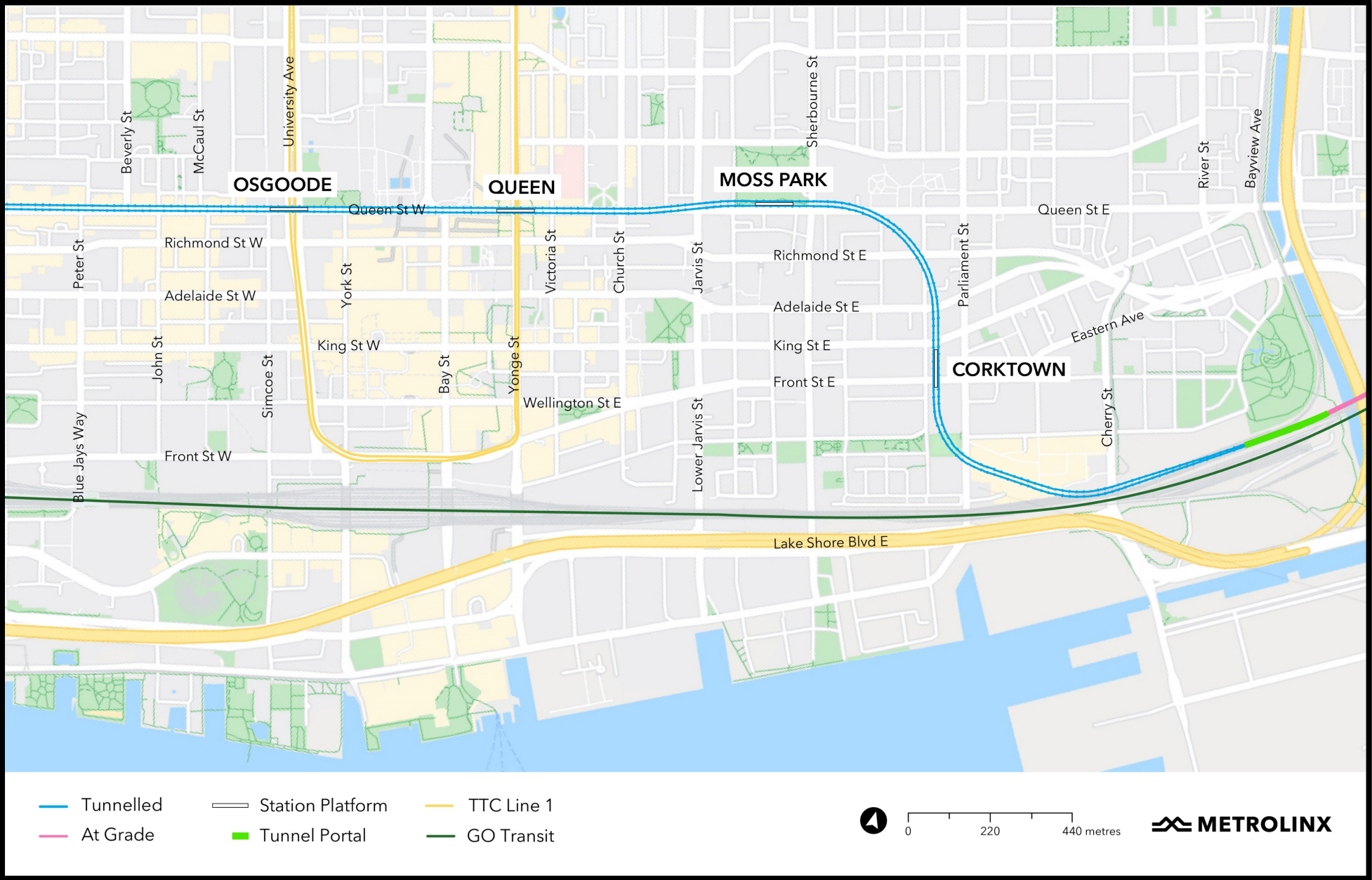
Timeline (South segment)



Timelines are subject to change

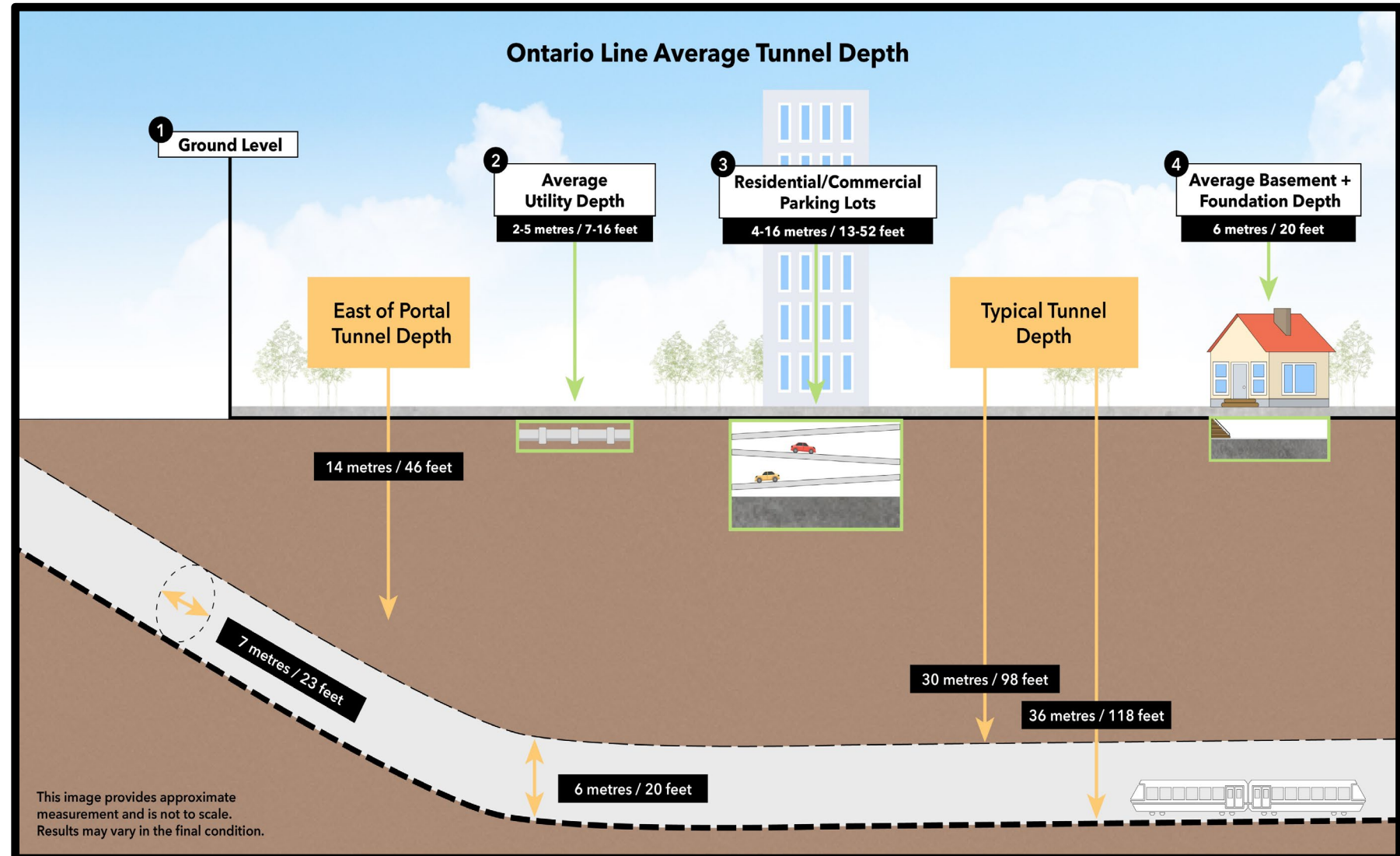
*Procurement Packages:
• RSSOM - Rolling Stock, Systems, Operations and Maintenance
• South - Southern Civil, Stations and Tunnel

Downtown segment



How deep will the Ontario Line tunnels be?

- Ontario Line tunnels will be up to 30 metres deep in order to safely get under existing TTC lines and avoid conflicts with utilities and underground parking structures.



Balancing downtown segment planning considerations



Consideration	Description
Interchange	Prioritize transfers between subway lines
Heritage	Respect existing heritage features when locating and designing station entrances; limit construction impacts
Utilities	Avoid disruptions to utilities under Queen Street
*High vehicle, streetcar, bike and pedestrian volumes	Limit construction impacts and keep all forms of traffic flowing through the area, including streetcars
Key destinations	Prioritize connections to downtown employment, retail, entertainment and service destinations
Green space	Limit temporary and permanent impacts to public greenspace
Tunnelling strategy	Coordinate alignment and station design with plans for tunnelling in order to limit community impacts, reduce costs, and speed up construction



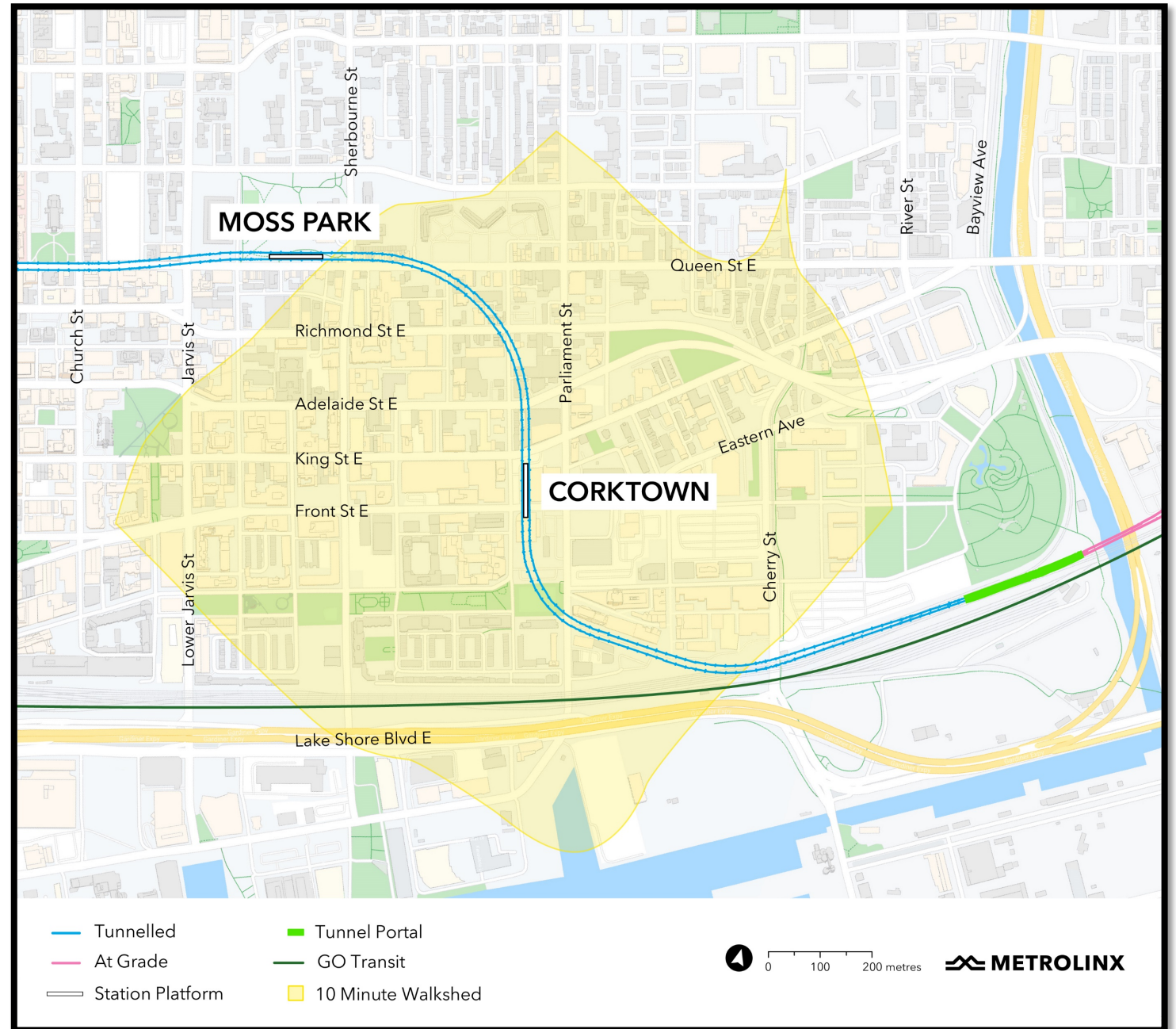
Corktown

Estimated peak-hour ridership

- 4,100 in total
- 2,800 boardings
- 1,300 alightings
- 1,900 transfers to/from surface transit

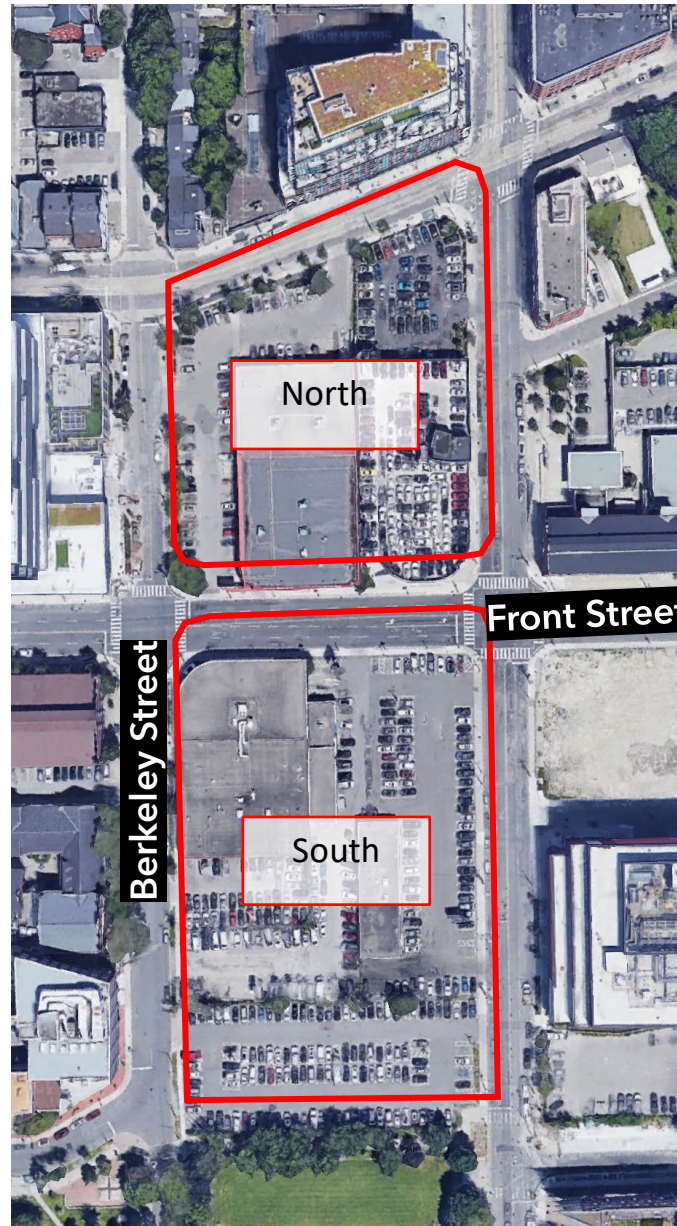


Serving Corktown, the Distillery District, St. Lawrence Market, the West Don Lands and Regent Park, 26,400 residents and 15,700 jobs will be within a comfortable 10-minute walk.



Corktown and First Parliament

- Construction of the Ontario Line creates an opportunity to finally discover historic artifacts that may be currently lying below a parking lot, car dealership and car wash.
- Community input is a key component of the plans for transit-oriented community development at the site and will begin in Fall 2021, led by the Province.



- Tunnel boring machines will be launched from the north site. The future Corktown station will also be located here.
- After extensive archeological investigation and environmental clean-up, the south site (the First Parliament site) will be used as a laydown and staging area for tunnelling equipment.
- Parliament Square Park will be protected during construction.

First Parliament - Archaeology

- Archaeological workplans are currently being developed with City of Toronto, Mississaugas of the Credit First Nation, Infrastructure Ontario and the Ministry of Heritage, Sport, Tourism and Culture Industries.
- Archaeological work is planned to begin in September 2021.
- Construction/staging work will not happen until all archaeological assessments are complete.
- An Interpretation and Commemoration Plan will integrate the extensive research and public engagement completed by the City and community, with further opportunity for public input.

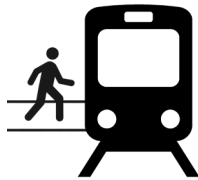


Stantec staff conducting investigations, 2021

Moss Park

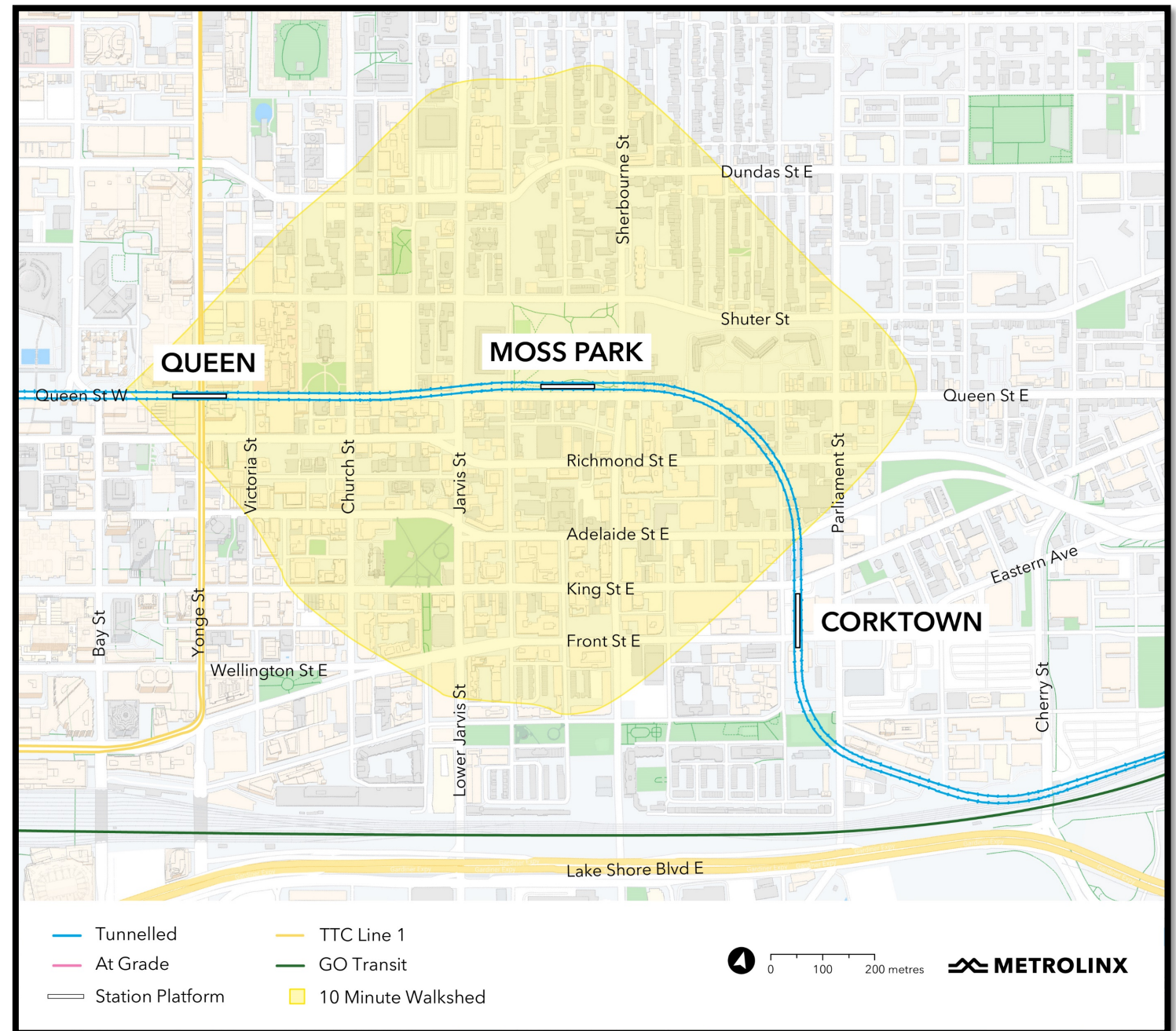
Estimated peak-hour ridership

- 7,300 in total
- 2,500 boardings
- 4,800 alightings
- 1,500 transfers to/from surface transit



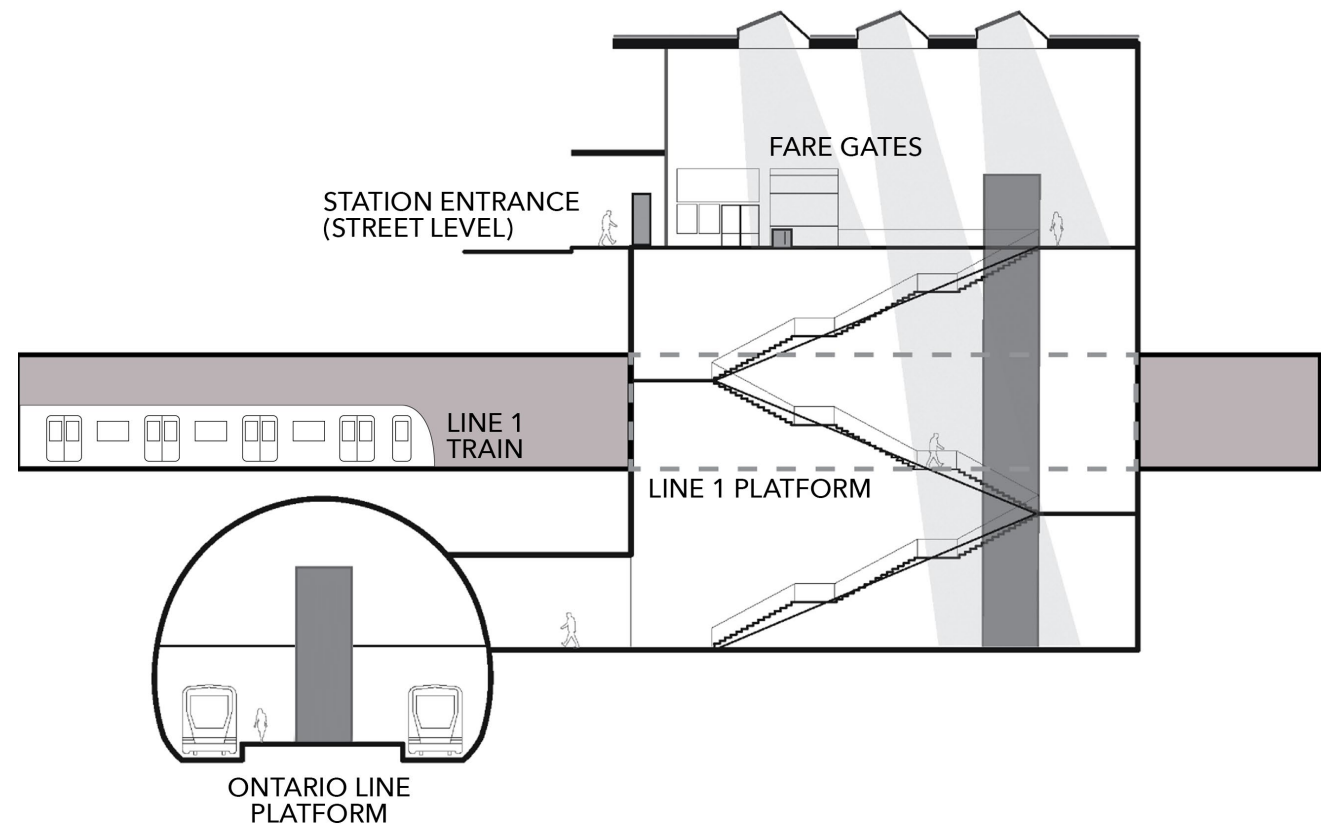
Serving Moss Park, St. Lawrence Market, Garden District, Regent Park 23,600 residents and 23,200 jobs will be within a comfortable 10-minute walk.

Metrolinx is coordinating plans for station construction with the city's Moss Park Revitalization Project.



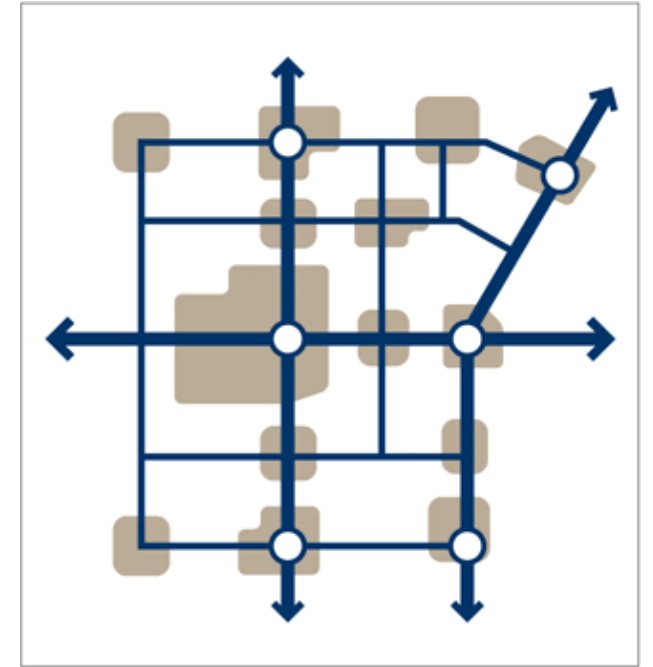
Interchange (transfer) stations

- The Ontario Line stations at Queen and Osgoode will connect seamlessly with Line 1 stations.
- The Line 1 platforms for these stations are approximately 10m underground.
- The Ontario Line platforms for these stations will be approximately 38m underground.
- These interchange stations are crucial to ease congestion and crowding on Line 1 and surface transit such as the 501 Queen streetcar.



Keeping downtown moving during construction

- Metrolinx is taking a comprehensive and collaborative approach to construction coordination in order to reduce impacts to traffic, transit and active transportation routes and keep the city's downtown core moving well.
- Work underway with the city and TTC includes:
 - Mapping out future construction and development projects in the area, including Yonge Tomorrow, TTC and utility improvement projects, and Gardiner reconstruction;
 - Planning to ensure that service impacts on TTC Line 1 and TTC streetcar routes are temporary;
 - Protecting access to businesses, services, workplaces and the hospital;
 - Prioritizing safety of people who live, work, play, shop and learn in the area.



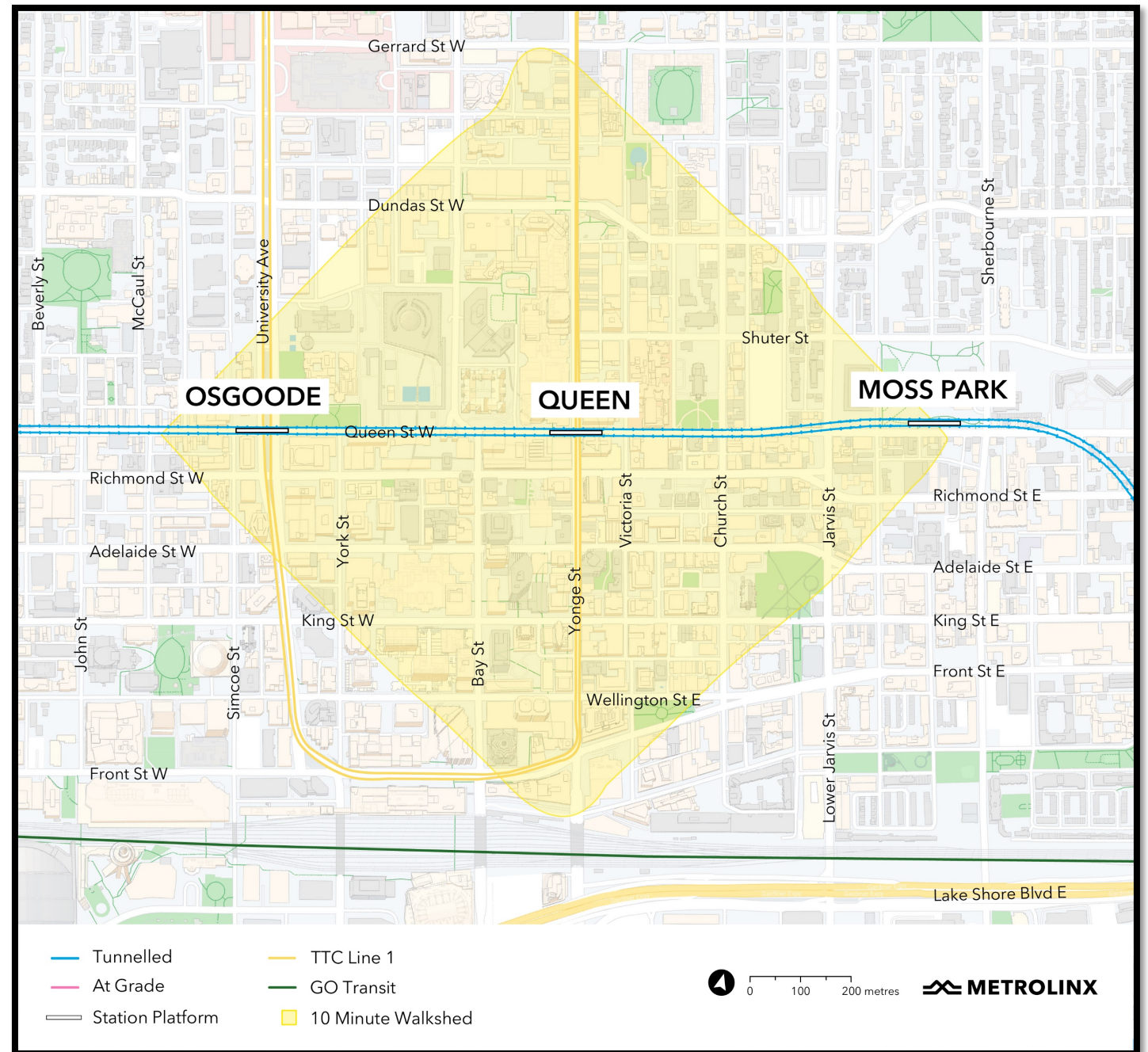
Queen

Estimated peak-hour ridership

- 16,600 in total
- 4,500 boardings
- 12,100 alightings
- 6,100 transfers to/from TTC Line 1
- 600 transfers to/from surface transit



Serving the Financial District and Downtown Yonge area, 18,400 residents and 150,000 jobs will be within a comfortable 10-minute walk.



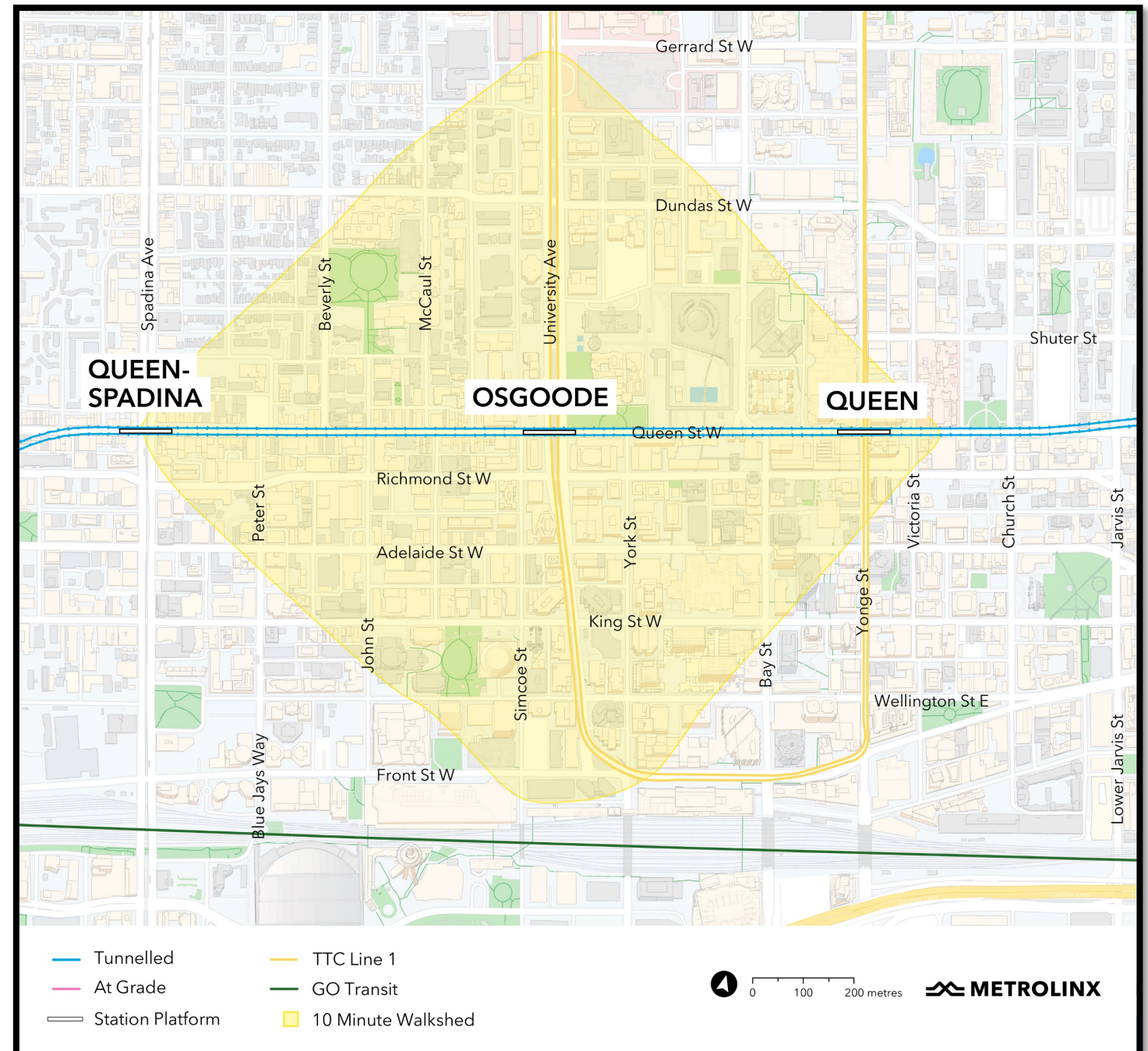
Osgoode

Estimated peak-hour ridership

- 12,000 in total
- 3,000 boardings
- 9,000 alightings
- 5,700 transfers to/from TTC Line 1
- 1,000 transfers to/from surface transit



Serving the Entertainment District, Financial District, Kensington-Chinatown and Grange Park, 16,500 residents and 110,500 jobs will be within a comfortable 10-minute walk.



When will I know if my property is impacted?



- If we confirm your property is needed, you will receive written notification from us. Metrolinx strives to communicate with property owners early and often so that there is ample time to work through solutions.
- Our preferred approach is direct, one-on-one negotiations with owners, with the goal of reaching amicable agreements.
 - Expropriation is a backstop tool. Even when expropriation is initiated, Metrolinx continues to negotiate with owners in the hopes of reaching agreements.
- Whether we have to acquire a portion of a property or the entire property, the property owner will be compensated at fair market value, and our commitment is to ensure that owners and tenants do not experience a financial loss.

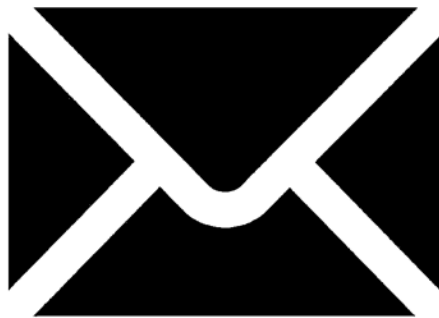
What's next?

- Regular updates, more virtual events and opportunities to provide feedback and ask questions
- In-person meetings and events when it is possible
- Corktown Early Works Report: May 2021
- Environmental Impact Assessment Report
 - January 2022: Draft report and opportunity for public feedback
 - April 2022: Final report

Contact us

Your feedback is vital in helping us to move the Ontario Line forward in a way that strengthens the community. We are grateful for your input.

To stay up to date on upcoming virtual events and the latest Ontario Line news, sign up for our e-newsletter at [Metrolinx.com/OntarioLine](https://metrolinx.com/OntarioLine).



OntarioLine@Metrolinx.com



416-202-5100



[Metrolinx.com/OntarioLine](https://metrolinx.com/OntarioLine)