

Ontario Line

King-Bathurst Station Virtual Information Session

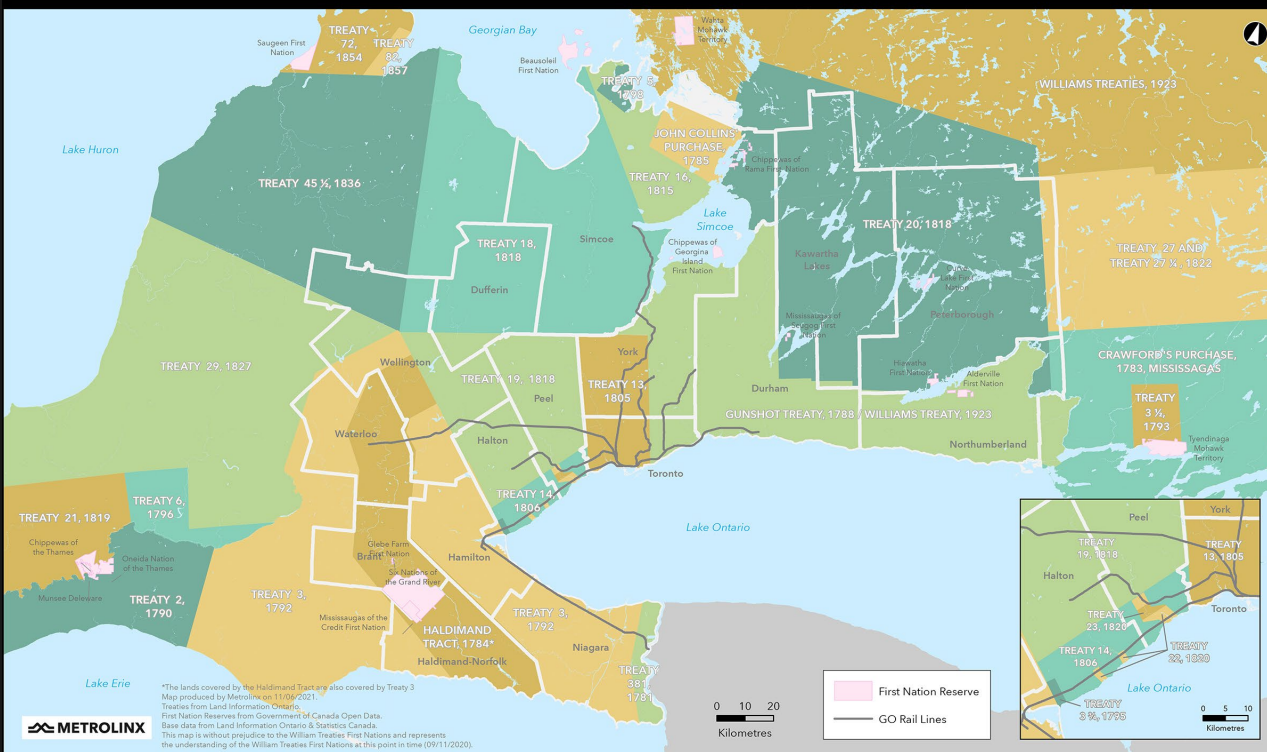
February 28, 2024

 **METROLINX**



LAND ACKNOWLEDGEMENT

Treaties and Reserves in the Greater Golden Horseshoe



Let us take a moment to acknowledge we are on lands that have been, and continue to be, home to many Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Huron-Wendat peoples.

We are all Treaty people. Many of us have come here as settlers, as immigrants or involuntarily as part of the trans-Atlantic slave trade, in this generation, or generations past.

We acknowledge the historic and continued impacts of colonization and the need to work towards meaningful reconciliation with the original caretakers of this land.

We acknowledge that Metrolinx operates on territories and lands covered by many treaties that affirm and value the rights of Indigenous communities, Nations and Peoples.

We understand the importance of working towards reconciliation with the original caretakers of this land. At Metrolinx, we will conduct business in a manner that is built on a foundation of trust, respect and collaboration.

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SAFETY MOMENT - WINTER EMERGENCY PREPAREDNESS

If weather conditions worsening, remember to stay safe on your commute:

- **Dress for the weather:** wear multiple layers, bring a change of clothing, ensure you are wearing proper footwear (anti-slip, water-proof winter boots).
- **Slip, trips and falls:** Be careful on stairs and platforms, in parking lots, and on sidewalks. When you get on and off trains and buses, you should be mindful of slippery surfaces
- **Extra Time:** Allow extra time for your streetcar, subway, train or bus trip and check Service Updates pages or apps, for up-to-date service information.
- **If you see something, say something:** If you witness unsafe conditions, or a slip or fall, please contact Metrolinx or GO Transit Customer Service.



Agenda

Welcome

- Introductions - today's presenters
- Housekeeping

Presentation

- Ontario Line overview
- Progress to date
- Construction look-ahead
- About piling construction
- Reducing impacts

Q/A and Discussion



2

INTRODUCTIONS - SPEAKERS



Ross Andersen
Senior Advisor
Community Engagement
Metrolinx



Daniel Cicero
Senior Manager
Subways Sponsor
Metrolinx



Dante Mejia
Deputy Station Manager
King-Bathurst
Ontario Transit Group

How to Join Slido to Ask Questions Through Text



Join at
Slido.com

#1572 799

- Ask your questions through Slido and we'll be answering some of the questions that were submitted previously through Slido.
- Join Slido now by visiting **slido.com** and entering code **#1572 799**
- You can also scan the QR code to the right to join on your phone.

Please note that it will take a moment for your question to become live on the system.

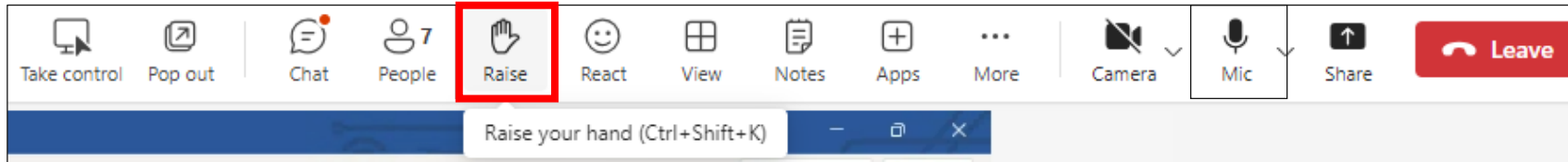
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ASKING QUESTIONS ON MICROSOFT TEAMS

Please follow the below steps to ask questions:

To ask a question, raise your hand:

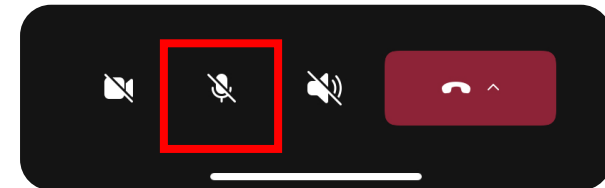
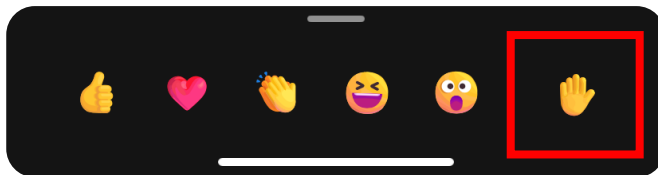
On a computer raise your hand from the bar at the top of the screen



Your question will be placed in the queue. When it's your turn, the host will enable your microphone. You still need to unmute yourself: click the "Mic" icon at the top of the screen.

On a Phone: Dial-in by phone +1 437-703-4197,,771575632#

Click the hand icon from the bottom of the screen



Your question will be placed in the queue. When it's your turn, the meeting organizer will enable your microphone. You still need to unmute yourself: swipe up & click the "Mic" icon at the bottom of the screen.

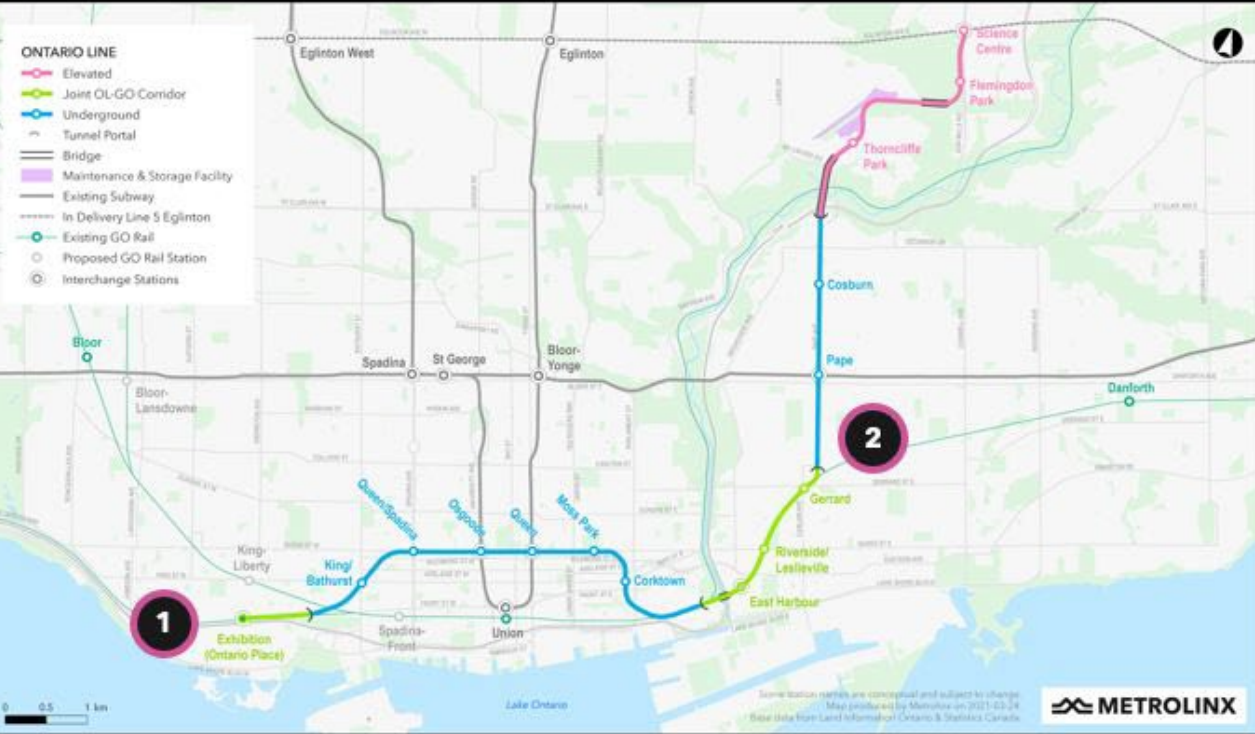
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About the Ontario Line



ONTARIO LINE

Ontario Line



- 1 South Segment of Ontario Line**
(Exhibition to Corktown/Don Yard)
- 2 North Segment of Ontario Line**
(East Harbour to Eglinton)



15.6 kilometres long



15 stations



As frequent as every 90 seconds during rush hour



227,500 more people within walking distance to transit



388,000 daily boardings



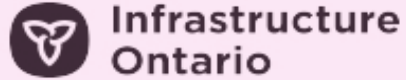
40+ connections to other transit options



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

4

WHO DOES WHAT



Manages Province's Alternative Financing and Procurement program and lead the procurement process.

Negotiates Project agreement, which spells our roles and responsibilities of each party.

Oversees execution of Project agreement, provides quality control oversight.

Oversees Transit-Oriented Communities (TOCs) - a Provincial program led by Infrastructure Ontario and/or Metrolinx.



ONTARIO TRANSIT GROUP

Contracted to design, build and deliver the Ontario Line Subway - Southern Civils project.

Designs, constructs and finances Southern Civil, Stations and Tunnel work for 6-kilometre tunnel and associated tunnelling works from Exhibition to Don Yard portal (west of the Don River)

Joint venture between Ferrovial Construction and Vinci Construction Grands Projets (through their subsidiary JANIN ATLAS)



Contribute subject matter expertise regarding City polices, requirements, permits and procedures.

Ensure key City and community interests are noted and addressed through application design reviews and permits.

Work with partners to minimize negative impacts on residents and the environment.

Monitor construction sites for safety and adherence to City standards and bylaws.

TTC

Reviews all traffic plans and adjusts routes and services to mitigate impacts to customers.



Overarching accountability for entire project, strategy and content approvals, building relationships and understanding needs of the community.

Oversight of construction contractors to ensure compliance with contractual obligations, including work schedules, adherence to acceptable noise levels, traffic management plans and permit conditions.

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ABOUT ONTARIO TRANSIT GROUP (OTG)

Ontario Transit Group (OTG) is a joint venture between **Ferrovial Construction** and **Vinci Construction Grands Projets** to design, build and deliver the **southern portion of Ontario Line Subway** - Southern Civil, Stations and Tunnel work. The contract was awarded in November 2022.

Stations:

- **One above-ground station** to be integrated with the existing GO Transit Exhibition Station.
- **Two underground stations** to be integrated with the existing TTC Osgoode and Queen subway stations.
- **Four new underground stations** (King/Bathurst, Queen/Spadina, Moss Park, Corktown).

Tunnel:

- **6-kilometre tunnel** and associated tunnelling works from Exhibition to Don Yard portal.

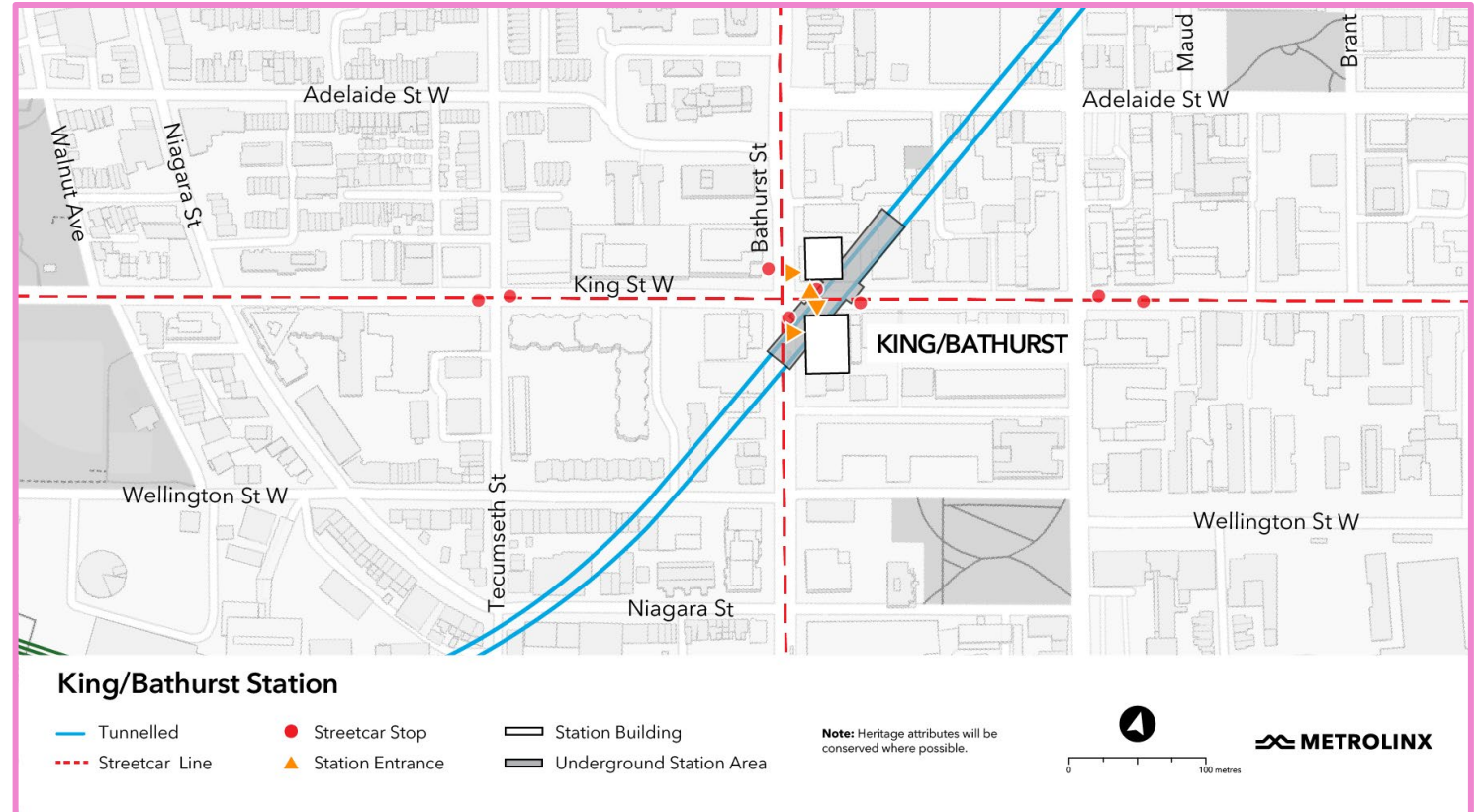


Ontario Line South Civil spans Exhibition to Don Yard portal (west of the Don River), shown in yellow.

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KING-BATHURST STATION

- **Two entrances will be built on the east side of Bathurst Street**, one on the north side of King Street West, and one on the south side of King Street West.
- At the north entrance, the buildings are being demolished and the heritage features stored off-site until completion of the station, when they will be rebuilt.
- At the south entrance, part of the heritage façade will remain in place for the duration of the station. Two additional buildings required for the station will be demolished.
- Both entrances include an opportunity integrated development above.



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PRESERVATION PROGRESS TO DATE AT KING-BATHURST

- The future King-Bathurst Station site has seen a great deal of activity to ensure heritage structures are preserved, in advance of piling and excavation.
- At the north site and the south site, large portions of both buildings have been demolished and panelized, to ensure components can be removed safely.
- Retention walls are also in place, to ensure the remaining heritage walls are in place and secure on site, as excavations occur.
- Protective pedestrian barriers are in place, allowing foot traffic to move freely on King Street West and Bathurst Street.



9 KING-BATHURST STATION 2024 CONSTRUCTION LOOK AHEAD

Major construction milestones to propel the Ontario Line subway forward.

Time	Activity	Details & Purpose
Winter/ Spring	Piling	Piling work around the perimeter of the future station ensures structural support before heavy digging begins.
	Hoarding and Signage installed	Structures to define the long-term construction zone during tunnel and station works will be installed to assist with site safety, noise mitigation and site protection.
Spring/ Summer	Excavation	Soils will be excavated to create shafts from the street level to the station level 40m underground.
Fall/ Winter 2025	Station Site Entry Preparation	Excavation of the station cavern to connect the station shaft and the tunnels.

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**Focus on:
Pile drilling**

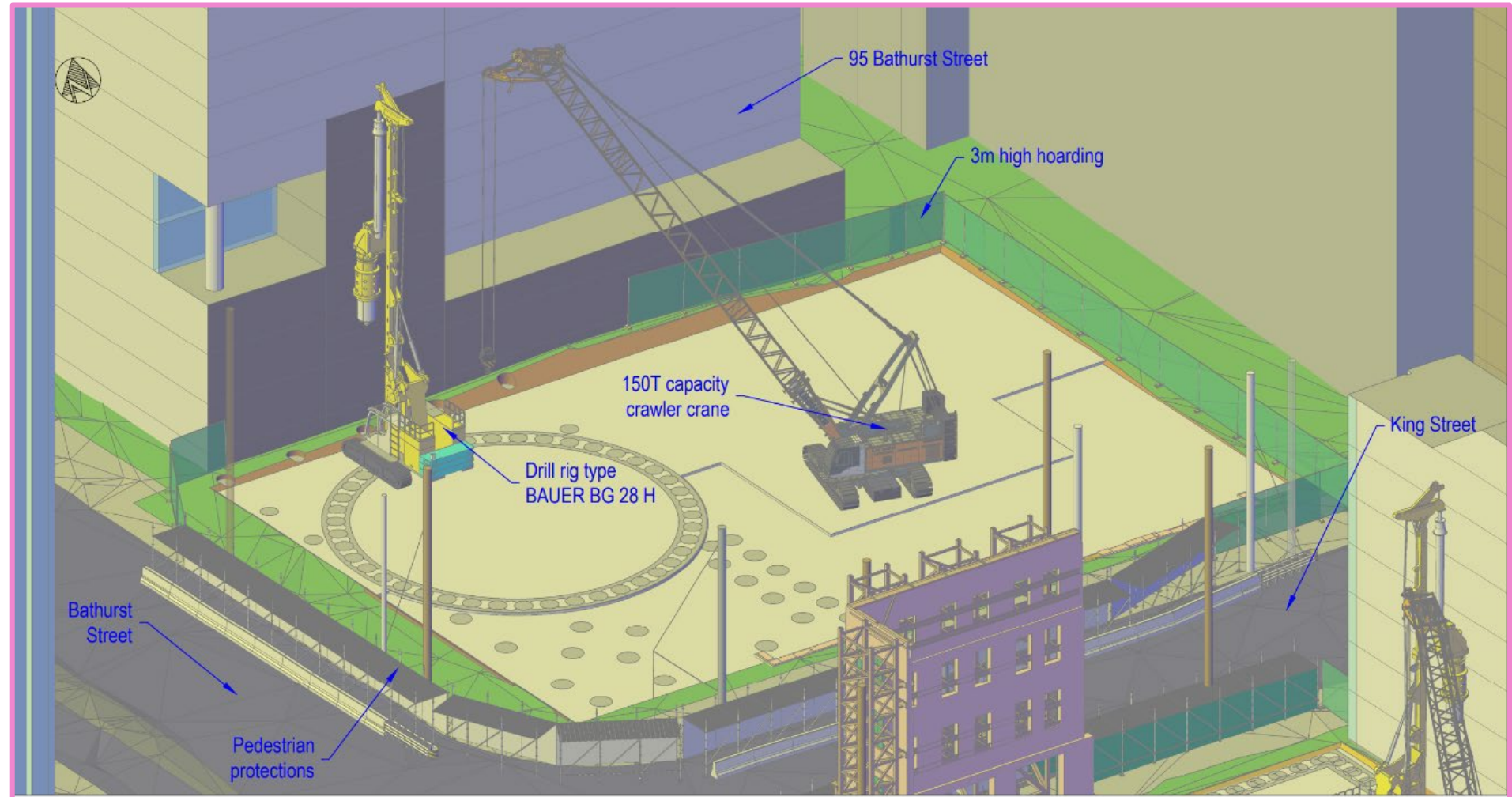


- Piling is a foundational technique used to construct underground structural support systems.
- Piling ensures stability and support for the surrounding infrastructures and buildings during the construction of stations and other subway structures, until the permanent concrete structure of the station is completed. Pile walls will be installed around the perimeter of the future station footprints.
- A pile wall consists of overlapping (secant) piles to form structural walls and achieve the required water tightness. Some of the piles are reinforced with steel beams. This activity is performed before excavation of the station shaft.
- To install the pile walls, a drilling machine will create holes of 10m and 14m in depth, at 1m in diameter, around the perimeter of the north and south sites, respectively.
- Piles will be constructed alternating primary (filler piles) and secondary (reinforced piles).
- A drilling rig machine will install the casing (a hollow tube) by rotating into the ground until it reaches the bedrock, section by section. Excavated material will then be removed from the casing using the auger.
- Once the drilling process is completed, reinforcements to the pile walls will be added using a crawler crane and concrete will be poured to ensure no gaps in solid materials, reinforcing the ground.

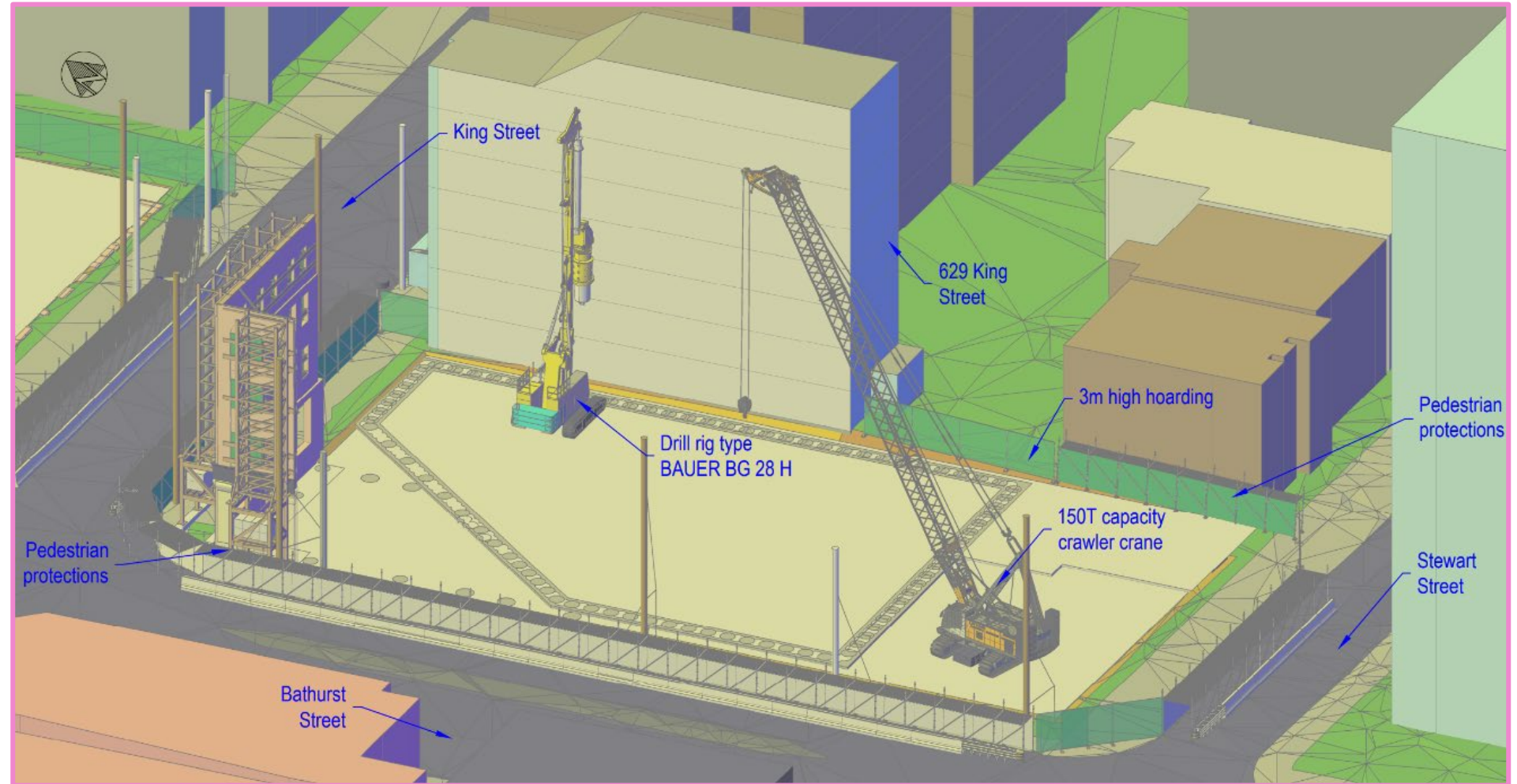


Drilling machine used in pile construction.

- The diagram illustrates the mobile drill rigs in relation to the site layout and their size.
- The machines will move around the site executing pile drilling in preparation for excavation.
- An acoustic barrier will be added to the sites.



- The diagram illustrates the mobile drill rigs in relation to the site layout and their size.
- The machines will move around the site executing pile drilling in preparation for excavation.



- Piling works will be phased, beginning first at the future north site, followed by the south site.
- Expected hours of work are weekdays from 7 a.m. to 7 p.m.
- Work is estimated to take place from March 2024 through, June 2024 .
- Weekend work may occur as needed.

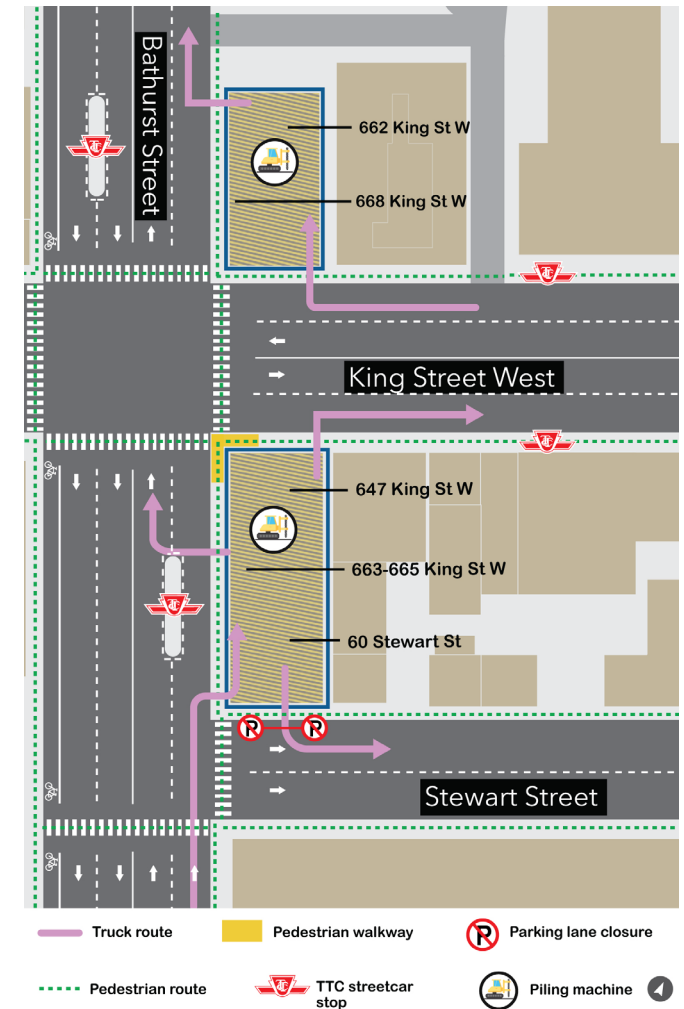


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Reducing impacts to the community

14 NORTH & SITE TRAFFIC AND MITIGATING PEDESTRIAN IMPACTS

- **At the north site**, trucks will enter from King Street West, moving westbound and right turning into the site.
- Trucks will exit the north site via Bathurst Street northbound, assisted by a paid duty police officer when required.
- **At the south site**, trucks will enter via Bathurst Street northbound, and exit either via Stewart Street or Bathurst Street northbound.
- Pedestrians will be protected in walkways along King Street West and the east side of Bathurst Street north.
- King Street West streetcar stops (508/504) are temporarily moved east of the King Street West and Bathurst Street intersection.
- Piling equipment will remain within both work sites for the duration of the piling process.



During piling work, community members can expect:

- Noise from equipment drilling piles, loading of excavated material, and deliveries of steel beams and concrete is expected.
- Equipment used during this operation includes drilling machines, cranes, excavators, concrete pumps, and concrete trucks on-site.
- Several trucks entering and leaving worksites daily, following a specified route.
- Lane closures and certified flagmen personnel in place to ensure safety for the community and workers on-site.



To reduce impacts to residents and businesses in the area, mitigations will be in place including:

- Noise and vibration monitoring devices placed on site and in neighborhood for active tracking of impact to ambient noise levels.
- Site hoarding where possible to help reduce noise. During excavation mitigation will include acoustic shelter installations to ensure work crews and machinery are covered by a large-scale tent, protecting work areas during all seasons and limiting noise.
- Daytime work hours for current phase of work. (7 a.m. to 7 p.m.).
- Designated truck routes, reducing need for trucks to reverse using alarms.
- Street sweepers and wheel cleaning as needed to ensure soil and sediment is kept off city streets and sidewalks.



Corktown Station hoarding shown above



Example of a large scale tent shelter

Metrolinx will keep the community informed by providing Ontario Line updates and addressing questions and concerns effectively, and quickly.

Connect With Us:

- Email: OntarioLine@metrolinx.com
- Telephone 24/7: 416-202-5100
- Ontario Line e-newsletter: [Metrolinx.com/OntarioLine](https://metrolinx.com/OntarioLine)

Follow us on social media:

- X / Facebook / Instagram @OntarioLine

Join our monthly Construction Liaison Committees (CLC):

- Please contact OntarioLine@metrolinx.com



Scan the QR code for Metrolinx e-newsletter subscription



Départs in 14 minutes

- Osgoode
- Queen
- Moss Park
- Cork Town
- Spadina
- East Harbour
- Leaside
- Gerrard
- Pape
- Cosburn

Departs
Départ
4 min

King-Bathurst

Departs	16:28	16:30
16:28 Bathurst	16:30	16:30
16:30 Bathurst	16:30	16:30

King-Bathurst

King-Bathurst

King-Bathurst



KING-BATHURST