

Ontario Line

King-Bathurst Station Construction Liaison Committee

August 1, 2024

 METROLINX



Agenda

Welcome

- Introductions
- Land Acknowledgment
- Safety Moment

Presentation

- Construction Updates
- Upcoming Work
- We Are Here For You

Feedback and Discussion (30 Minutes)



Land Acknowledgment

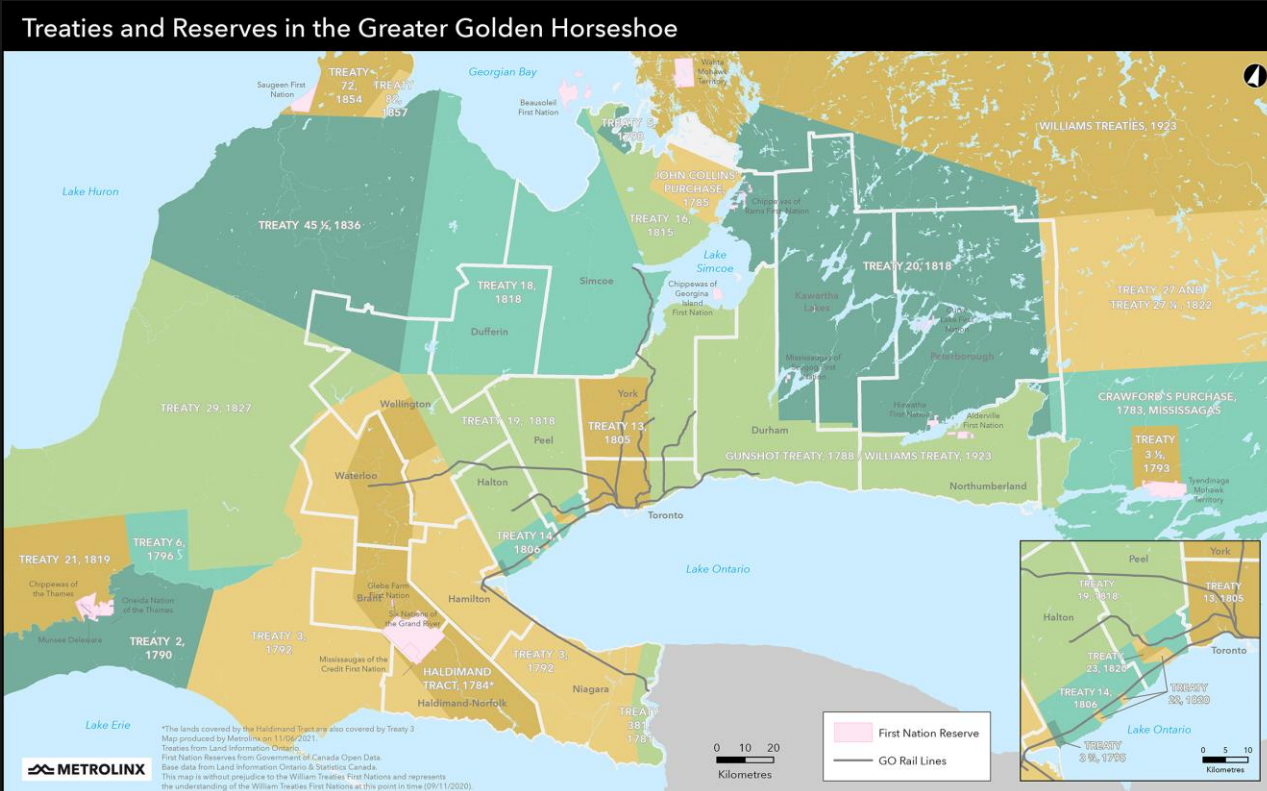
Let us take a moment to acknowledge we are on lands that have been, and continue to be, home to many Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Huron-Wendat peoples.

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.

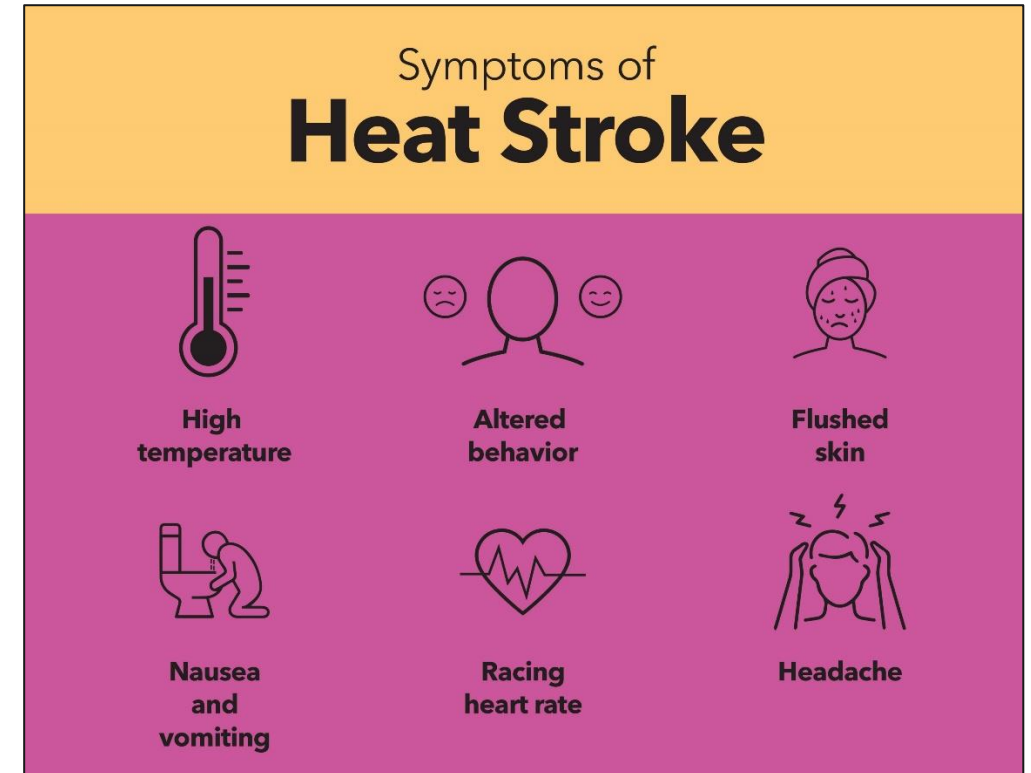
We acknowledge that Metrolinx operates on territories and lands covered by many treaties that affirm and value the rights of Indigenous communities, Nations and Peoples.

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.



SAFETY MOMENT - RISK OF HEATSTROKE

- High temperatures pose a risk of heat stroke, along with deteriorating air conditions.
- Older adults, infants, young children, pregnant people, and those with disabilities should take extra care to mitigate the risks and watch for signs of heat illness. These include swelling, rash, cramps, fainting, heat exhaustion, heat stroke and the worsening of some health conditions.
- If you believe you or someone you know has a high body temperature, has stopped sweating and/or becomes confused or unconscious, call 911.
- While waiting for help, move the person to a cool place, apply a cool compress to large areas of their skin, and fan the person as much as possible.
- **By following these simple tips, we can all enjoy the sunshine safely. Let's make sun safety a priority this summer!**



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King-Bathurst Construction Updates

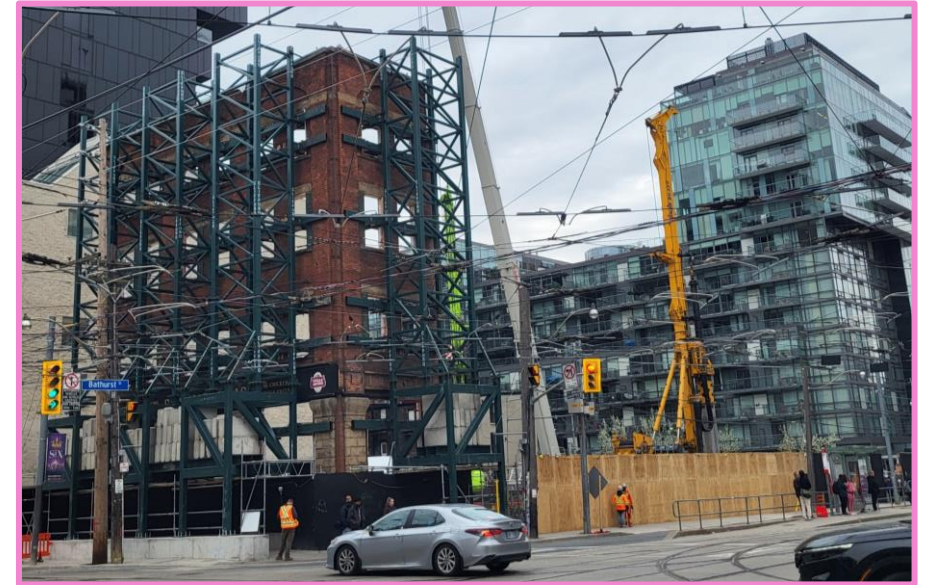
KING-BATHURST STATION CONSTRUCTION LOOK-HEAD (SUBJECT TO CHANGE)

Major construction milestones to propel the Ontario Line subway forward, at King-Bathurst.

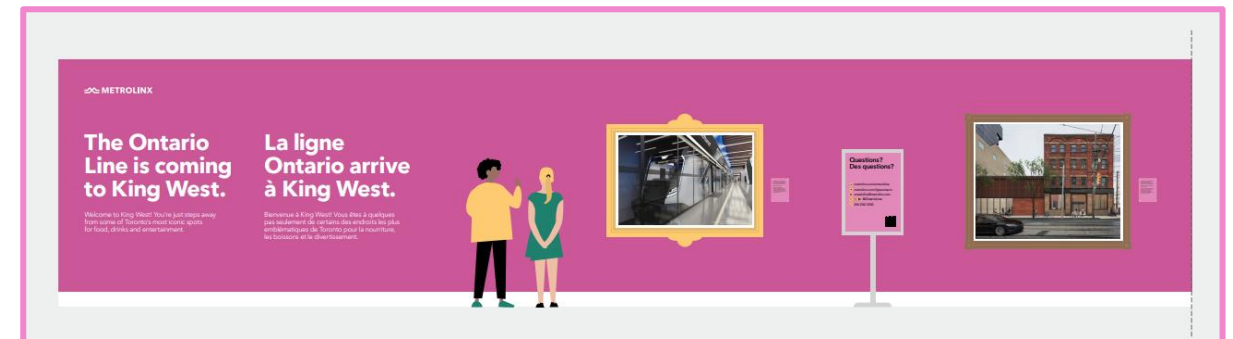
Time	Activity	Details & Purpose
Summer	Acoustic shelter installation	A large tent structure to be installed over the north excavation site, to protect from noise and dust.
Late summer	Crane installation	<p>At the north site, a mobile crane will be installed inside the acoustic shelter, as it is erected.</p> <p>At the south site, a tower crane will be installed to support excavation.</p>
Late summer / fall	Excavation	<p>Excavation will commence at both sites towards the end of summer. This excavation will allow the station cavern to connect the station shaft and the tunnels.</p> <p>Soils and rock will be excavated to create shafts from the street level to the station level, approximately 40m underground.</p>

COMPLETED WORKS: LONG-TERM HOARDING INSTALLATION

- Long-term hoarding and long-term fencing has been installed at both south and north sites of King-Bathurst.
- Hoarding and fencing spaces will soon be covered in both Metrolinx branded messaging, and community art.
- This work ensures ensure a safe, clean and esthetically pleasing construction site for the community.
- Hoarding also helps mitigate dust, debris and noise from the construction sites.
- As a next step, artwork will be applied in late summer/fall.



Hoarding installation taking place at the south site.



Concept artwork for the King-Bathurst south site.

ONGOING WORKS: PILE DRILLING TO SUPPORT EXCAVATION

- Pile drilling to enable upcoming station excavation at King-Bathurst is now in the final stages.
- Different piles have been installed at both sites, supporting excavation, Transit-Oriented Community (TOC), as well as the acoustic shelter.
- **Why was is this process needed?** Piles act as foundations for excavation work, and supports structural systems, ensuring stability for infrastructures and buildings during the construction of stations, until the permanent concrete structure is completed.
- **On the north site:**
 - 100% of the support of excavation piles have been installed.
 - 100% of the TOC piles have been installed
 - 100% of the acoustic shelter piles have been installed.
- **On the south site:**
 - 100% of the support of excavation piles have been installed.
 - TOC piles are in progress as of early August.



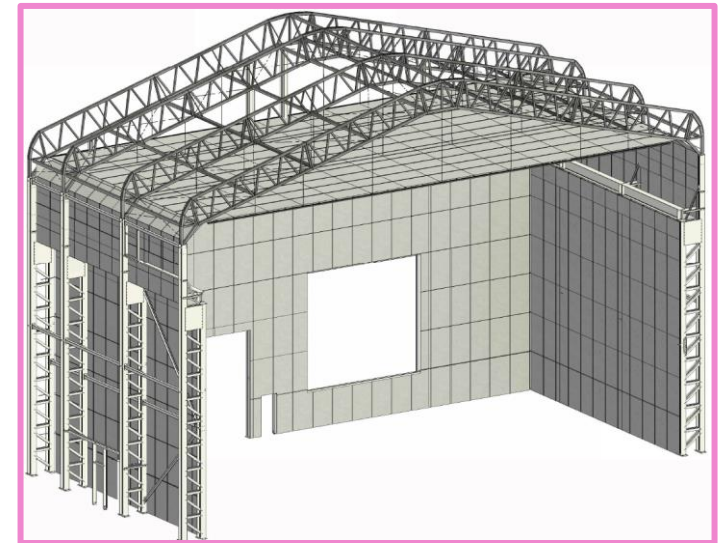
Pile drilling machine and excavator at King-Bathurst.

ONGOING WORKS: ACOUSTIC SHELTER INSTALLATION

- At the north site, an acoustic shelter tent will be installed this summer, including ventilation and lighting installation.
- The shelter will be built by a mobile crane on-site.
- Once installed, the excavation work to reach the future platform and tunnel level for the south site will occur entirely inside the shelter.
- **Why is this shelter needed?** Acoustic shelters are large, steel frame supported tents, acting as protection from the elements for excavation work, as well as a noise barrier for machinery, and to prevent excess dust and dirt from entering the community.



Example of an acoustic shelter tent.



ONGOING WORKS: CRANE INSTALLATION

- Within the north site acoustic shelter, a mobile crane is also being installed.
- This type of crane can move back and forth across the construction site, connected to rails above the excavation shaft.
- **Why is this crane needed?** The overhead crane will help support excavation, as it lifts and lowers equipment and materials in the excavated shaft, and on site.



Example of an overhead crane; a mobile crane to help hoisting operations within the long-term acoustic shelter.

UPCOMING WORKS: SOUTH SITE CRANE INSTALLATION

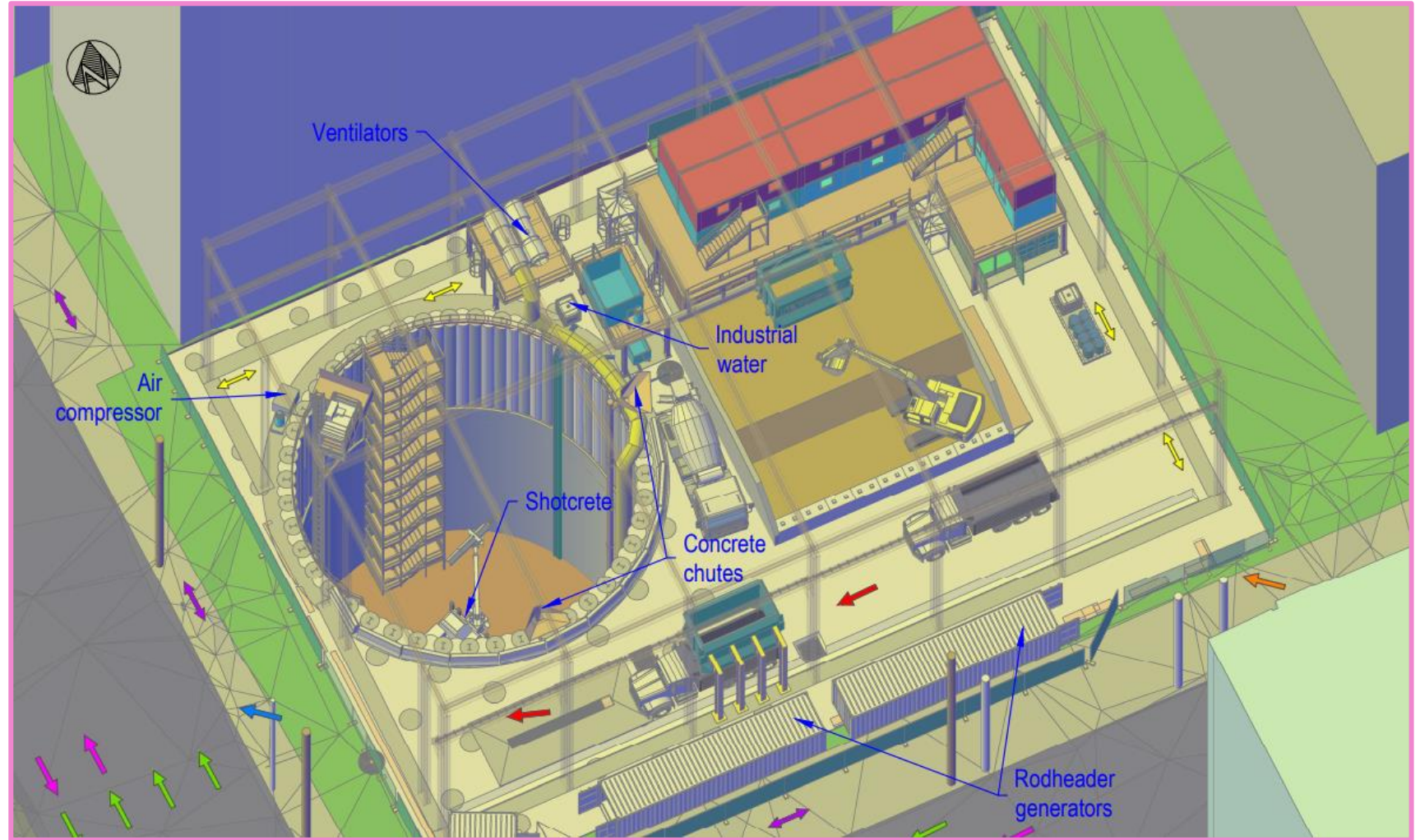
- On the south site, a tower crane will be installed.
- This type of crane can move back and forth across the construction site, allowing it to load materials and deliver them to precise locations; in this case, above the future excavation shaft.
- **Why is this crane needed?** The overhead crane will lift equipment and hoist up the excavated material during the shaft and tunnel excavation.



Example of tower crane

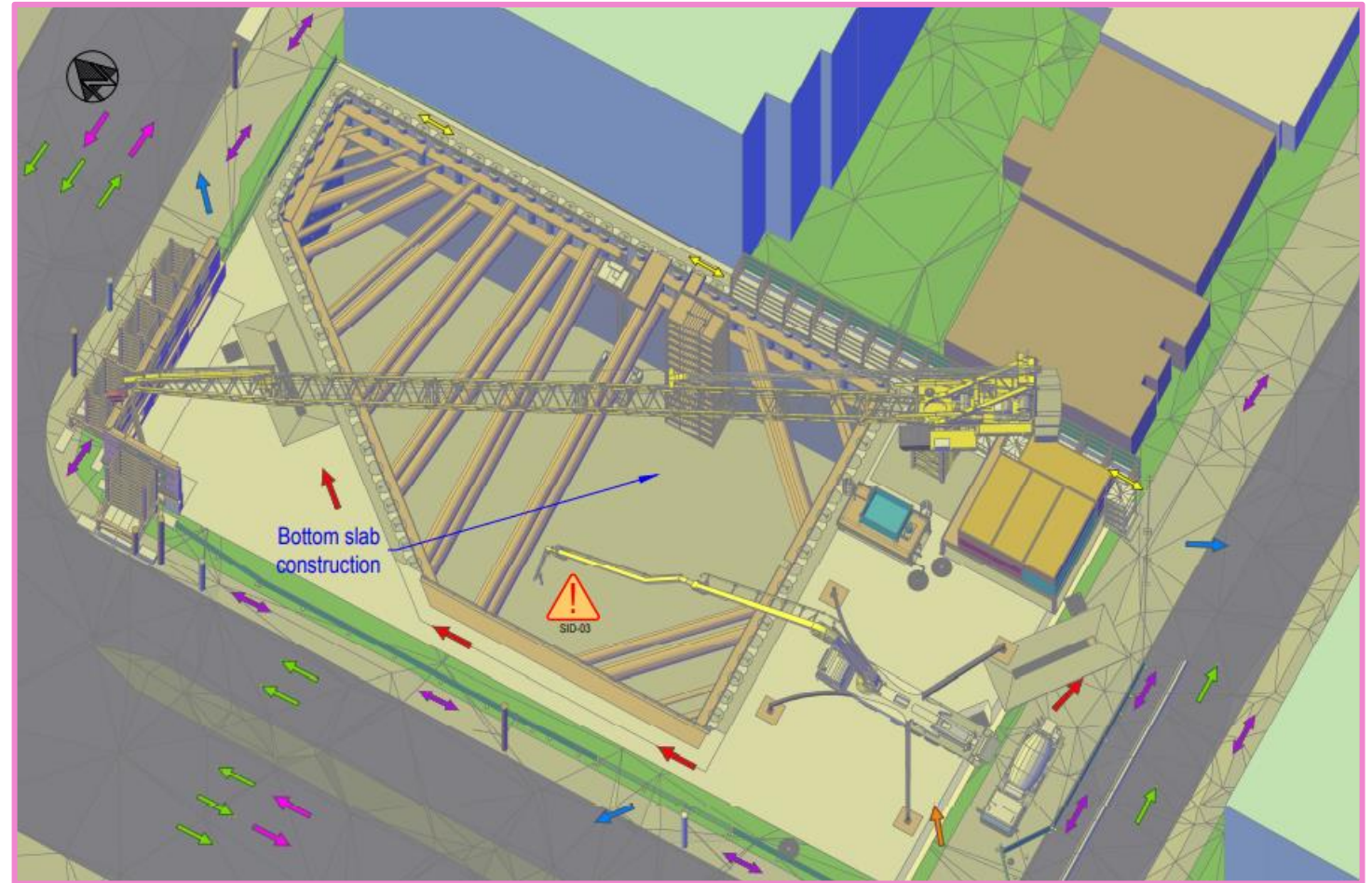
UPCOMING WORKS: NORTH SITE EXCAVATION

- Once both the shelter and the crane are installed on the north site, excavation will commence.
- To the right, the diagram illustrates the location of the future excavation portal on the north site of King-Bathurst.
- The excavation will create a future space for station construction and access to the Ontario Line platform level.



UPCOMING WORKS: SOUTH SITE EXCAVATION

- To the right, the diagram illustrates the location of the future excavation portal on the south site of King-Bathurst, including the tower crane.
- This excavation will commence upon the completion of station piling.
- The excavation will create a future space for station construction and access to the Ontario Line platform level.



Excavation layout for the south site.

WHAT TO EXPECT WITH EXCAVATION AND EQUIPMENT

During excavation work, community members can expect:

- During excavation, residents can hear daytime noise from excavating equipment, loading of excavated material at both north and south sites.
- Equipment used during this operation includes cranes, excavators, dump trucks, concrete pumps, and steel beam delivery trucks
- Several trucks entering and leaving worksites daily, following a specified route.



Excavated material being loaded into a dump truck.

REMINDER - TRUCKING AND TRAFFIC ROUTES DURING EXCAVATION

During excavation work, community members can expect:

- Trucks entering and leaving worksites daily, following a specified route. Traffic safety support will be provided by designated flag persons as needed.
- Trucks will use fixed routes to access both sites, moving north on Bathurst Street to enter the area, and exiting via Adelaide Street or Stewart Street toward Spadina Avenue, and the Gardiner Expressway.



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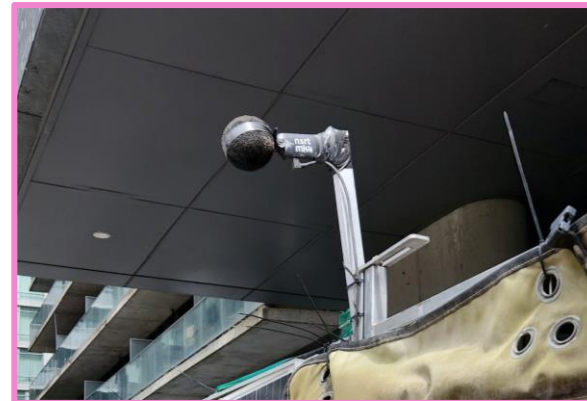
Reducing Impacts to the Community

MITIGATIONS TO REDUCE COMMUNITY IMPACT

- Noise and vibration monitoring devices are placed on site for active tracking of impact to ambient noise levels.
- Site hoarding is installed where possible to help reduce noise, including sound dampening blankets and dust barriers, to reduce noise and debris in the neighbourhood.
- Installation of an acoustic shelter to ensure excavation machinery is covered by a large-scale tent, protecting work areas during all seasons and limiting noise.
- Continuous loop truck routes, reducing need for trucks to reverse using backup alarms.
- Street sweepers and wheel cleaning are used as needed, to ensure soil and sediment is kept off city streets and sidewalks.



Sound dampening blankets placed on the inside of site hoarding.



Noise and vibration monitoring device.



Wheel cleaning shaker mat, to ensure trucks do not bring mud and soil into city streets.

CONTACT METROLINX AND STAY CONNECTED

Metrolinx will keep the community informed by providing Ontario Line updates and addressing questions and concerns effectively, and quickly. Visit [Metrolinx.com](https://www.metrolinx.com) to find information on participating in upcoming Ontario Line Construction Liaison Committees (CLC).

Connect With Us:

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Ontario Line e-newsletter: [Metrolinx.com/OntarioLine](https://www.metrolinx.com/OntarioLine)



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Départs in 14 minutes

- Osgoode
- Queen
- Moss Park
- Cork Town
- Quana
- East Harbour
- Leasideville
- Gerrard
- Pape
- Coakburn

Departs
Départ
4 min

King-Bathurst

Departs	18:20	18:30
18:20	18:20	18:30
18:30	18:30	18:40
18:40	18:40	18:50

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