

Ontario Line

King-Bathurst Construction Liaison Committee

May 8, 2025



Agenda

Welcome (5 minutes)

- Introductions
- Land Acknowledgement
- Code of Conduct

Presentation (30 minutes)

- Action Items
- Safety Moment
- Construction Update
- Upcoming Work
- Discussion

Q/A and Discussion (25 minutes)



LAND ACKNOWLEDGEMENT

Metrolinx acknowledges that we connect communities by building and operating transit within the traditional lands of the Anishinaabe, the Haudenosaunee and the Huron-Wendat peoples, for whom these lands continue to have great importance.

Treaties between First Nations and governments cover these lands, and the promises contained in these Treaties remain relevant to this day.

Metrolinx and its employees are committed to understanding the history of these lands and the continued impacts of colonization and take responsibility for actions to advance reconciliation.

Metrolinx will continue to seek the knowledge, expertise and experience of Indigenous partners and commits to doing business in a manner that is built on a foundation of trust, respect, and collaboration.

Session Guidelines

We greatly appreciate the community members who are here to take part in this public session.

To ensure that everyone can contribute to a positive and safe community experience, all participants shall adhere to the following *Code of Conduct*:

- Treat the presenters and participants with respect and understanding
- Acknowledge and appreciate the diversity of individuals and their situations
- Refrain from supporting or engaging in any form of discriminatory behaviour

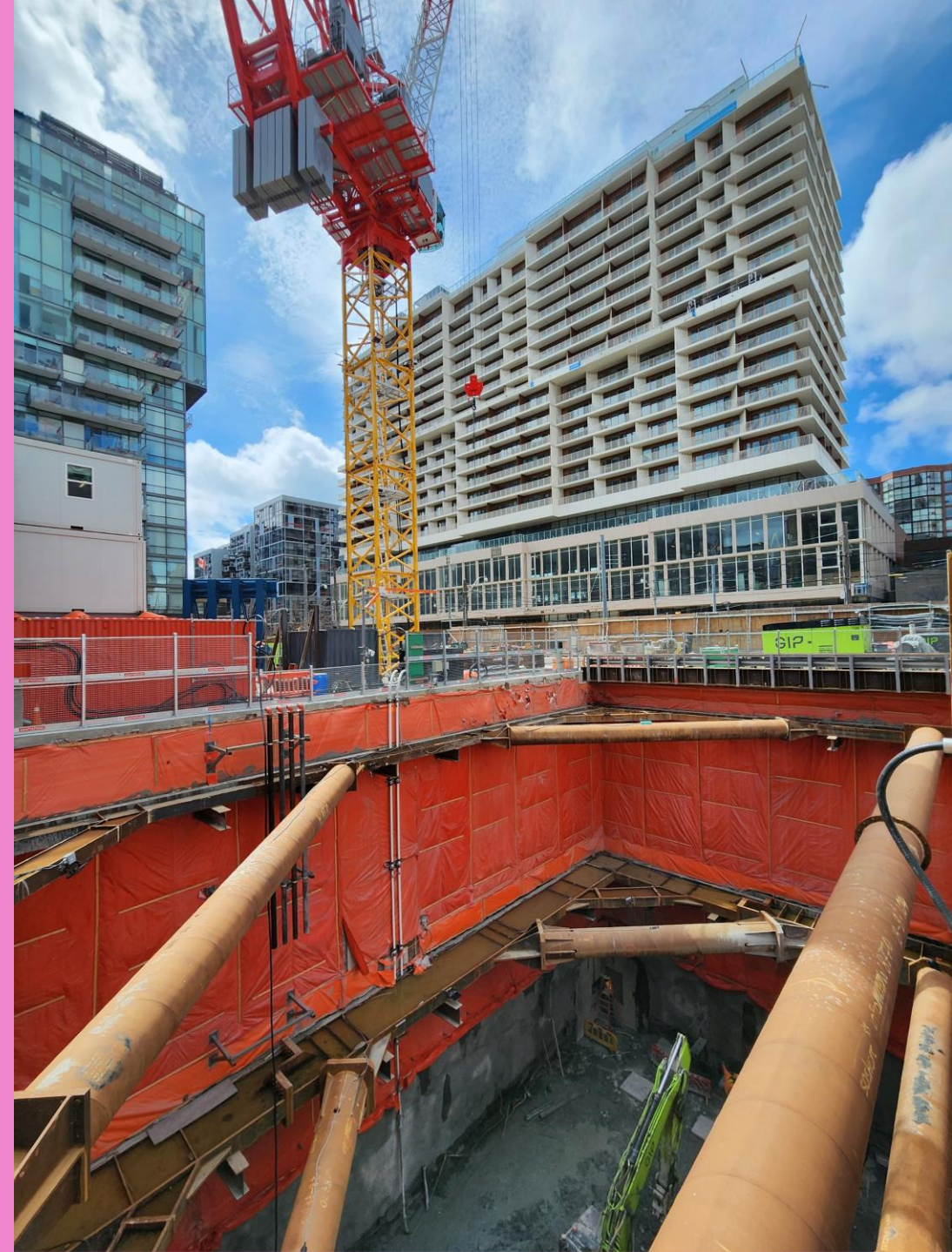
Metrolinx is committed to fostering a safe and respectful environment.

We encourage respectful and constructive communication.

CLC ACTION ITEMS

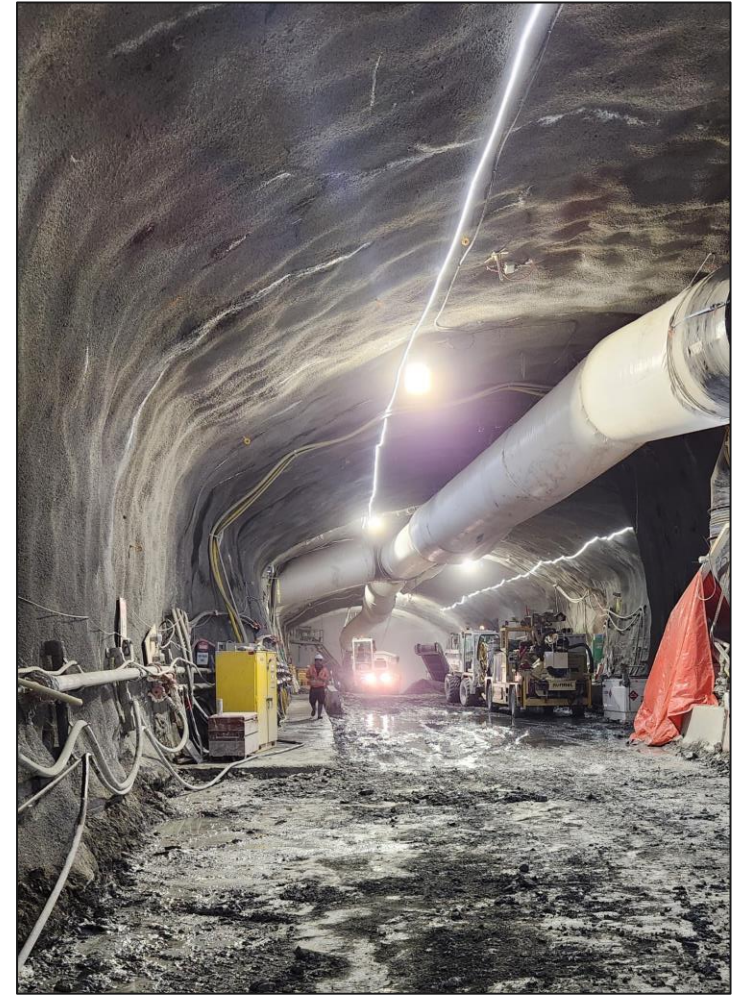
#	ACTION ITEM	RESPONSE	STATUS
1	No pending action items identified at last meeting (December 5, 2024)	King-Bathurst CLC Minutes	N/A

King-Bathurst Construction Update



NORTH SITE - CAVERN EXCAVATION

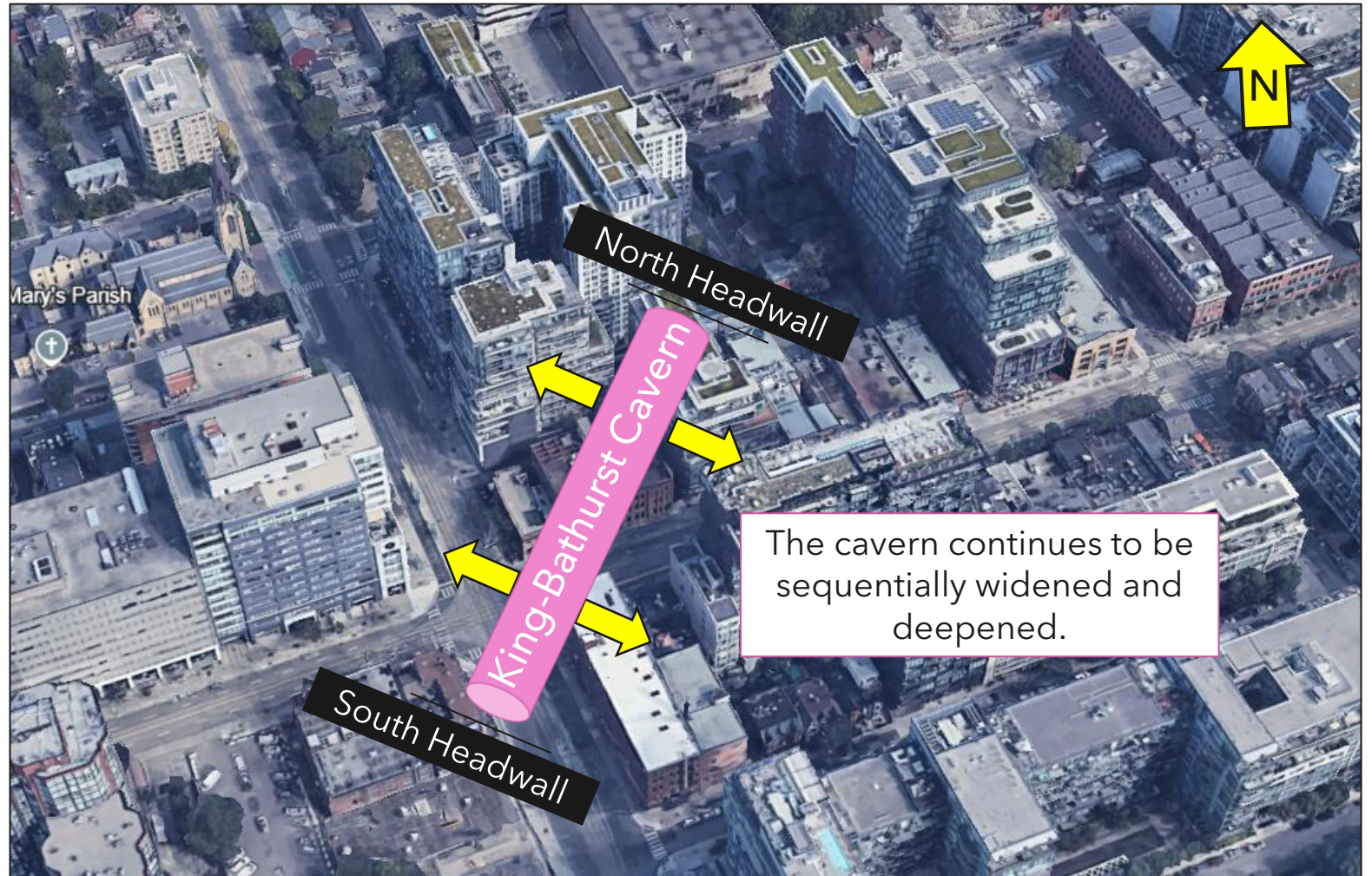
- **The north end of the cavern (known as the headwall) was reached in mid-April, and the south was reached in late April.**
- Reaching the headwalls represents the total length of the cavern being established.
- Excavation continues 24/7.
- Equipment such as roadheaders, rockbolters and shotcrete machines are used to shape this underground space.



Cavern views looking at the north (left) and south (right) headwalls, with ventilation and excavation equipment on hand.

KING-BATHURST CAVERN HEADWALLS LOCATION

- The headwalls represent the “bookends” of the cavern process; the north & south limits.
- Crews continue to **widen and deepen the cavern**, to accommodate the full width and depth needed for tunnel boring machines, as well as the future station platform and tracks.
- To date, more than 15,000m³ of rock has been excavated.



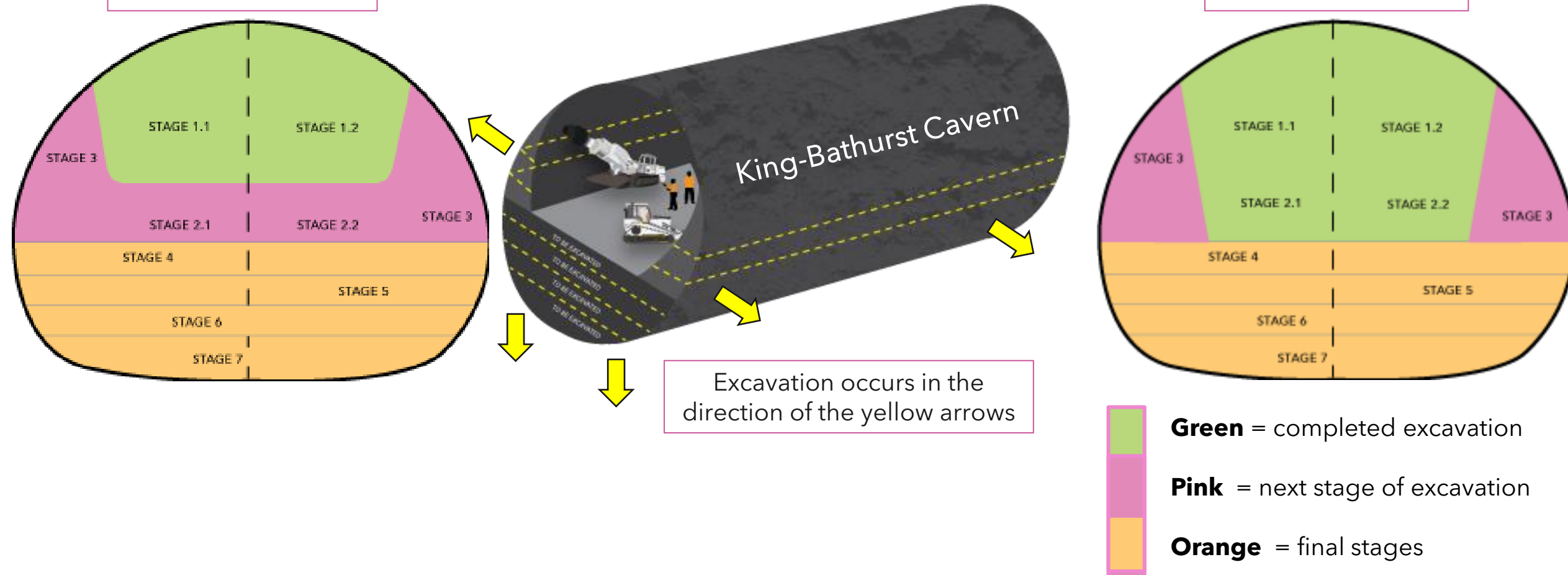
Looking from above towards the north, the arrow depicts the approximate location and progress of the King-Bathurst cavern work to date, in relation to the neighbourhood.

CAVERN WIDENING AND DEEPENING

- As illustrated below, crews are sequentially **widening and deepening the cavern**.

South Headwall

North Headwall



Looking toward the north headwall, from inside the cavern

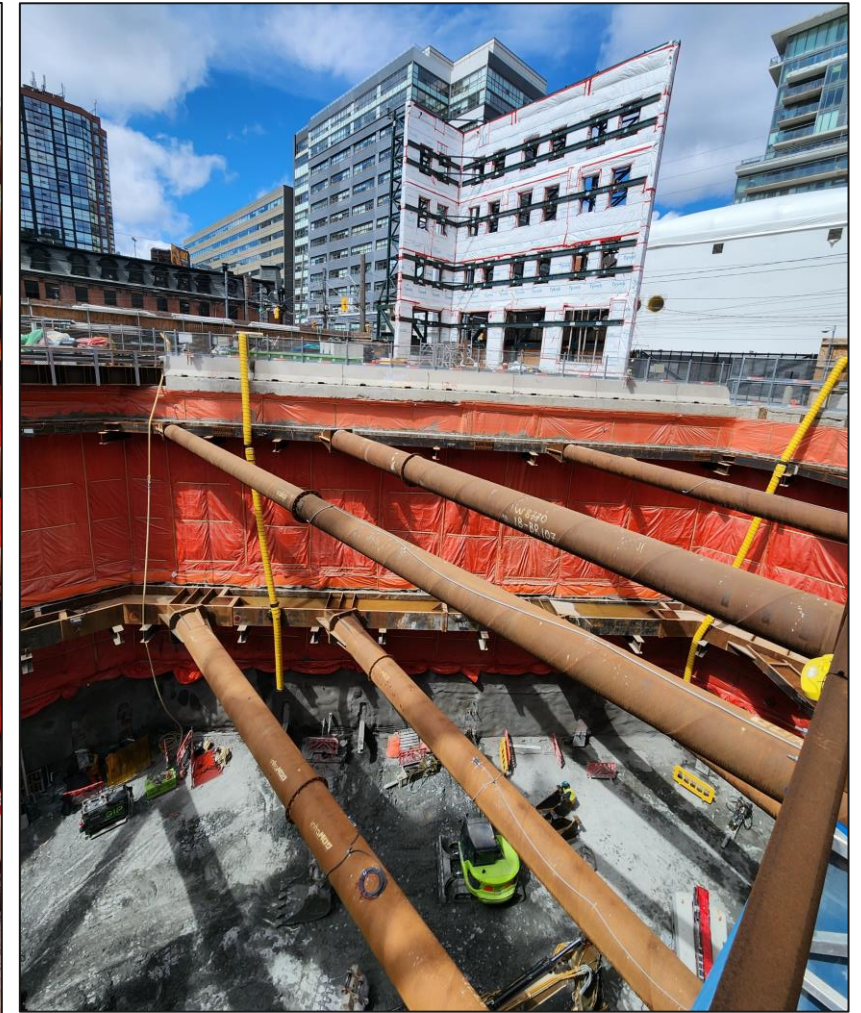
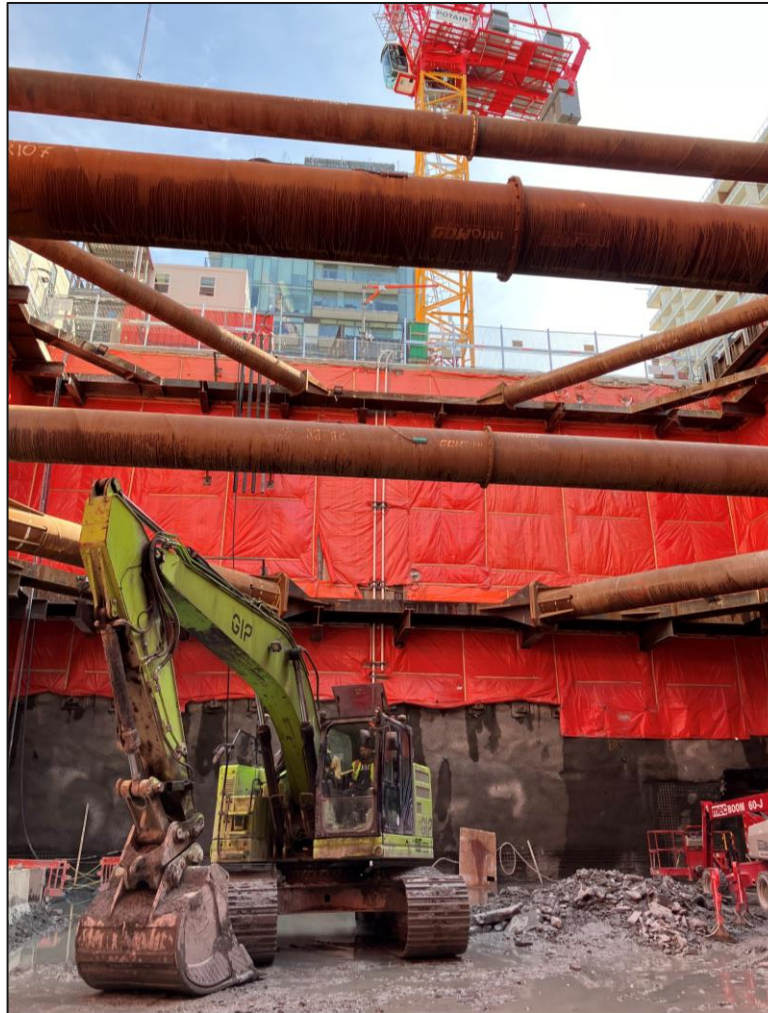


Excavated materials ready for removal from the cavern



SOUTH SITE - EXCAVATION

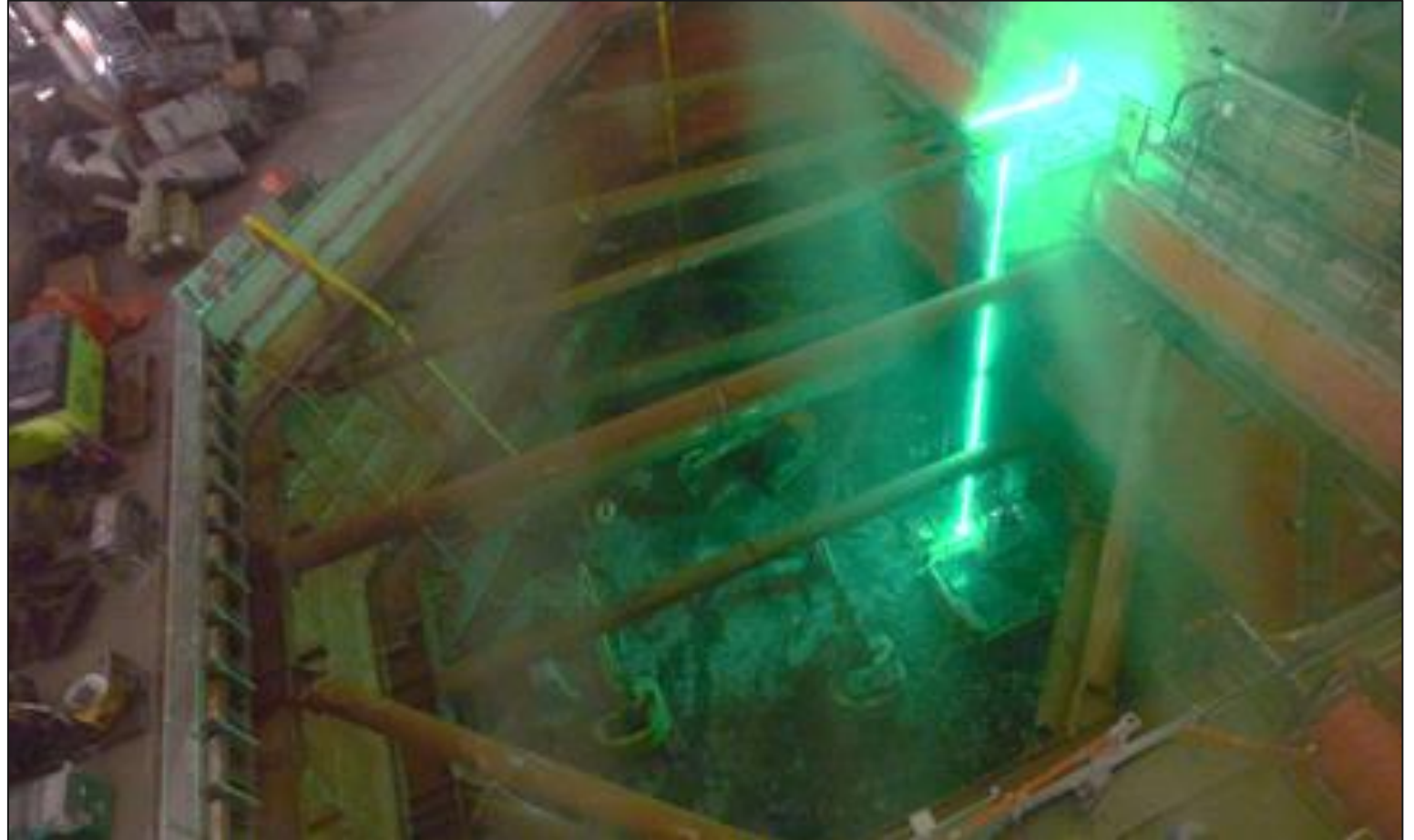
- Crews continue to excavate the space that will become the primary station entrance & platform access, also known as the station shaft. This work is completed in cycles, with coordinated phases of rock breaking followed by installation of structural reinforcements, called **struts and walers**. Once installed, excavation resumes.
- Excavation has reached 20+ metres of depth, moving towards a final depth of approximately 40 metres.



Left: Looking to the southwest and the excavated area Right: looking northwest and into the shaft at King-Bathurst

SOUTH SITE - SITE ILLUMINATION

- **Overnight lighting has been reduced at King-Bathurst south. Some lighting remains in place for the following reasons:**
- **Emergency Access:** If emergency services are required on site, lighting helps them move around safely and respond more effectively.
- **Regulatory Compliance:** Minimum lighting levels required on construction sites at all times as part of workplace safety regulations.
- **Protection of Work in Progress:** Adequate lighting helps surveillance cameras capture clear images, protecting against damage to partially completed work or materials stored on-site.



Current overnight lighting levels at King-Bathurst.

EXCAVATED MATERIALS HAULING PROCESS & LIFT ALARM

- **As crews continue to work below ground, excavated rock needs to be removed from the site.**
- Bins are loaded with rock at the bottom of the shaft and raised back to the surface using a crane.
- This lifting process includes an alarm inside the acoustic shelter, to alert crews that heavy machinery is moving.
- Dump trucks are on standby, to remove the materials from site, once they reach the surface.
- This process ensures work can progress safely and efficiently.

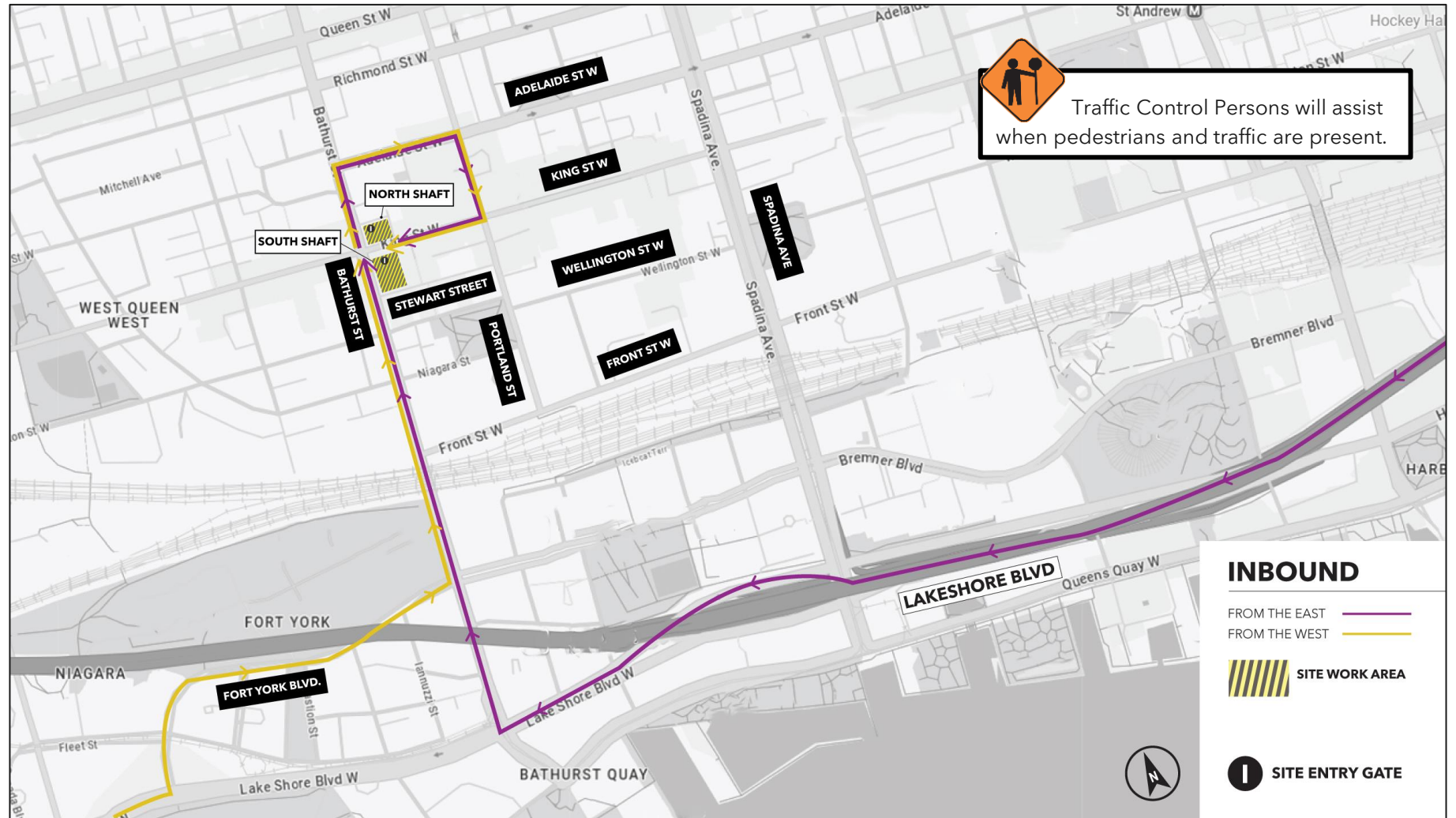


A self-dumping bin loading up a dump truck with excavated materials.

CURRENT INBOUND TRUCK ROUTE

Routes are developed in consultation with the City of Toronto.

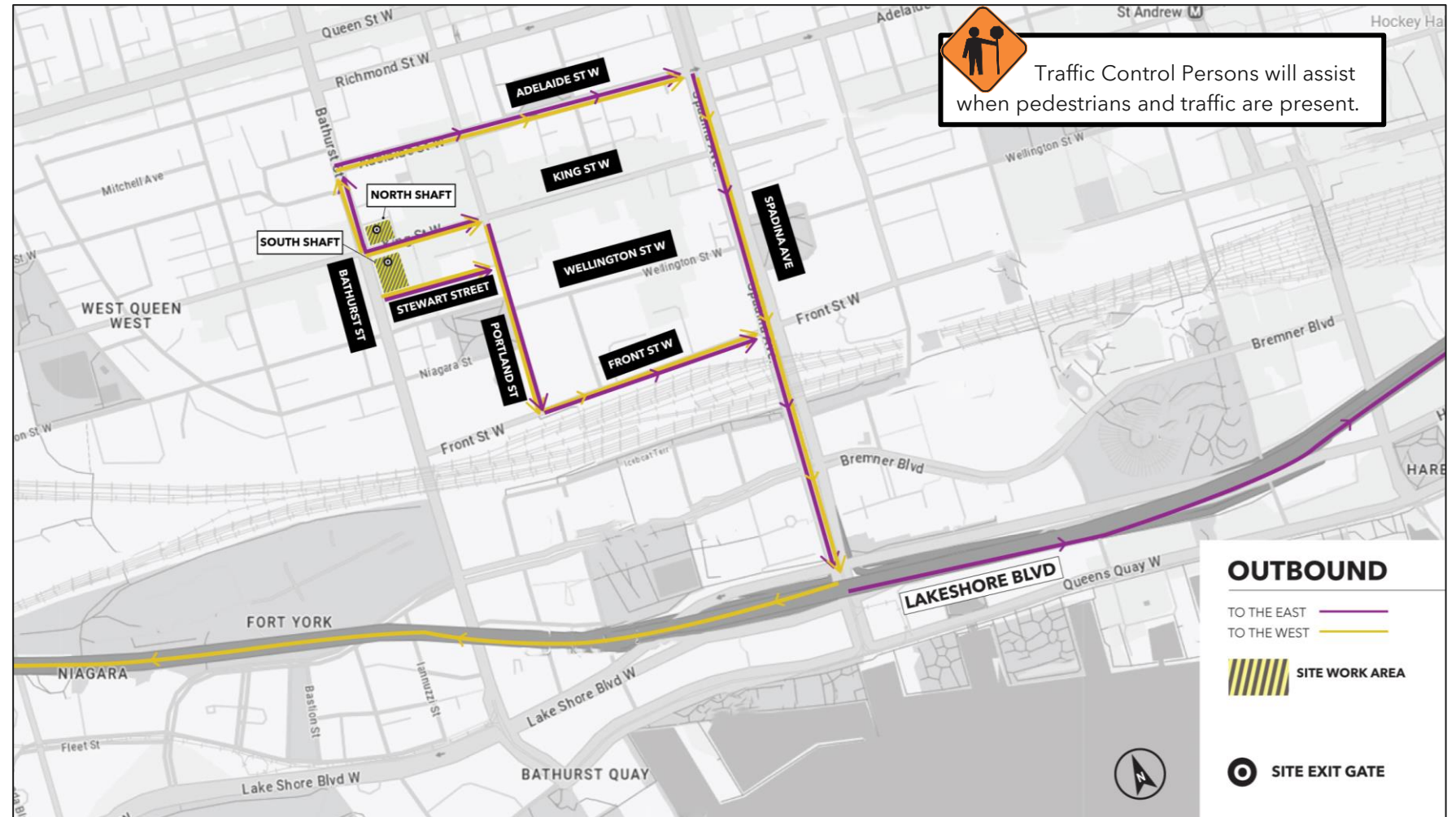
All routes subject to change throughout the duration of the project.



CURRENT OUTBOUND TRUCK ROUTE

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Upcoming Work

KING-BATHURST EIGHT WEEK LOOKAHEAD: MAY-JUNE 2025

#	Activity	Location	Expected Start	Expected Duration	Impact	Hours of Work	Mitigations
1	Cavern Excavation	North site	Ongoing	Entire lookahead period	Vibration, noise, air quality	Monday to Sunday 24 hours	Acoustic tent. Dust mitigation includes misting, sweeping. Erosion and sediment control.
2	North shaft excavation resumption Adit excavation (entrance passage to horizontal cavern)	North site	May 1	One week; Rock breaking occurred May 1,2 and 6.	Use of hammer may result in discernable noise and vibration. Additional support from Roadheader as well	Monday to Sunday 7:00a.m. -11:00pm* Weekend rock breaking occurring 9:00 a.m. - 5:00 p.m.	Acoustic tent. Dust mitigation includes misting, sweeping. Erosion and sediment control.
3	Excavating hard soil (limestone); includes rock anchors and shotcrete	South Shaft	May 2	Entire lookahead period	Noise.	Monday to Friday 7:00 a.m. - 11:00 p.m. & Saturday 8:00 a.m. - 5:00 p.m. and some Sundays as needed; 8:00 a.m. - 5:00 p.m.	Hoarding as noise mitigation, noise blankets around excavation attachments, use of ripper whenever possible, use of broadband alarms for equipment on site, monitoring to ensure 7 a.m. start.*
4	Construct Pentagonal Beam (Rock Pillar)	South site	First week June	Six weeks	Vibration, noise, air quality.	Monday to Friday with some Saturdays and Sundays 7:00 a.m. - 11:00 p.m.	Plywood hoarding for noise mitigation. Dust mitigation includes misting, sweeping. Lights lowered. Erosion and sediment control.

KEEPING YOU INFORMED

Metrolinx will keep the community, residents and businesses informed by providing project updates, seeking input and feedback, while addressing questions and concerns effectively and quickly.

Connect with us:

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