

Ontario Line

Queen-Spadina Construction Liaison Committee

May 6, 2025



Agenda

Welcome (5 min)

- Introductions
- Land Acknowledgment
- Session Guidelines
- Safety Moment

Presentation (30 min)

- Construction Updates
- Upcoming Work

Q/A and discussion (25 min)



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.

SAFETY MOMENT - SITE ILLUMINATION

Safety and Security Good lighting helps prevent accidents if someone needs to access the site after hours.

It also **discourages theft, vandalism, and unauthorized entry** because a well-lit site is less appealing to trespassers.



Lighting is in place along the perimeter of the future Queen-Spadina station sites.

Hazard Visibility: Construction sites are full of potential hazards, like trenches, equipment, and uneven ground. Proper lighting ensures anyone entering the site (security, inspectors, emergency responders) can clearly see and avoid dangers.

Emergency Access: If emergency services need to get onto the site at night, 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.

Queen-Spadina Construction Update



NORTH SITE - CAVERN EXCAVATION

- Crews are excavating the station cavern, where the future station platform and tunnel will be underground between the north and south station sites.
- Specialized machinery is in use as part of a sequential excavation method, removing soil, rock section by section to create this space underground.
- Crews recently completed the first end-to-end section of the cavern.
- Spoils from the cavern are removed from the future north station site.
- This work occurs on a 24-hour work shift, seven days a week. It is expected to be complete in late Fall 2025.



Roadheader machine removing rock to create the cavern at the future Queen-Spadina station site.

QUEEN-SPADINA CAVERN HEADWALLS LOCATION

- The headwalls represent the “bookends” of the cavern process; from west & east 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.

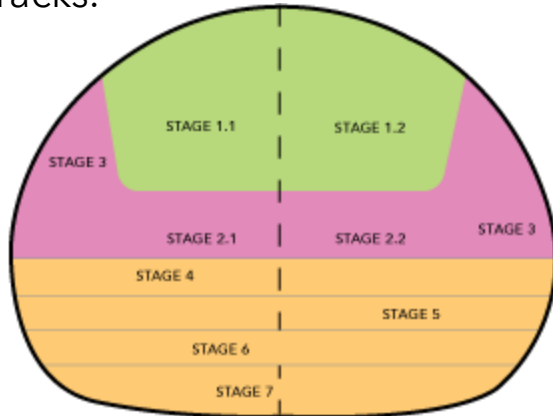
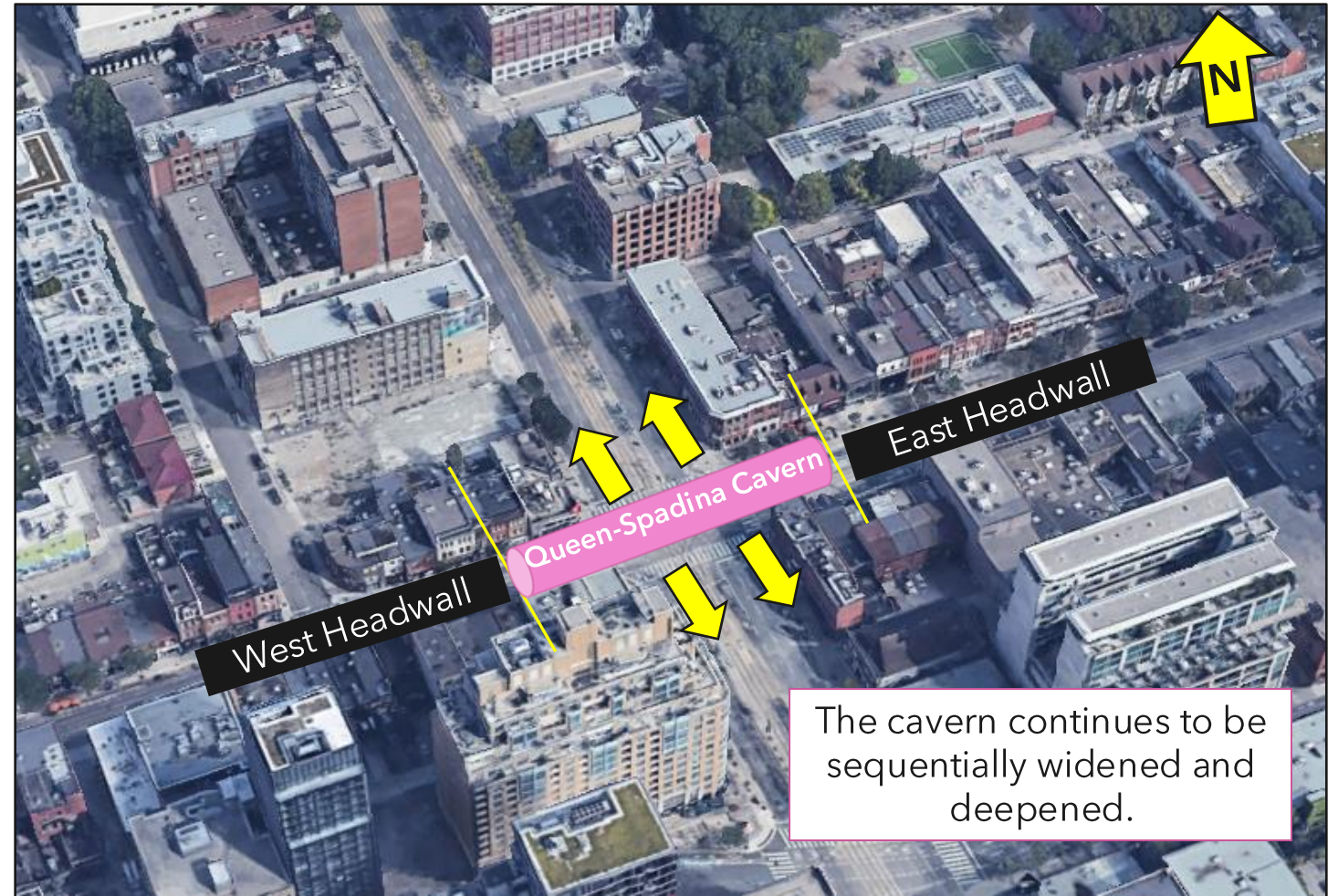
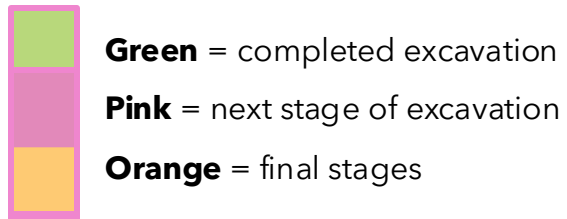


Illustration of the sequences widening and deepening the cavern.



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

Looking toward the east headwall, from inside the cavern



SOUTH SITE - EXCAVATION

- Excavation is ongoing at the future south station site, using a sequential excavation method.
- Crews dig and then reinforce each section with steel beams (struts and walers). This cycle will be repeated until they reach the future station depth (approximately 40 metres).
- Several measures are in place to minimize disruption from this work, including:
 - Changing attachments on excavation equipment, where possible.
 - The use of noise blankets around the hammer attachment, to help dampen the noise impact.
 - Use of white noise back up alarms on machinery.
 - Adjustment of work hours.
- Crews have also completed installation of a working platform. The working platform provides safe access around the site shaft, for workers and machinery.
- The exit gate on Spadina Avenue at the northeast corner of the site is operational.



Excavation in progress at the future Queen-Spadina south station site

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 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 at Queen-Spadina south site with excavated materials.

Upcoming Work

QUEEN-SPADINA EIGHT WEEK LOOKAHEAD: MAY-JUNE 2025

#	Activity	Location	Expected Start	Expected Duration	Impact	Hours of Work	Mitigations
1	Adit Excavation (entrance passage to the horizontal cavern)	North site	On going	Entire lookahead period	Vibration, air quality, noise	Monday to Sunday 24 hours	Hoarding as noise mitigation. Dust mitigation includes misting, sweeping. Erosion and sediment control.
2	Cavern Excavation	North site	On going	Entire lookahead period	Vibration, noise, air quality	Monday to Sunday 24 hours	Hoarding as noise mitigation. Dust mitigation includes misting, sweeping. Erosion and sediment control.
3	Excavating hard soil includes rock anchors and shotcrete	South Shaft	On going	Week of May 5-9	Noise	Monday to Saturday* 7:00 a.m. to 11:00 p.m. *Rockbreaking will not be carried out on Saturday May 3	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	Installing Toe Anchors and struts	South site	May 8	Week of June 2	Vibration, noise, air quality	Monday to Saturday with occasional Sundays 7:00 a.m. to 11:00 p.m.	Hoarding as noise mitigation. Dust mitigation includes misting, sweeping. Erosion and sediment control. Use of broadband alarms for equipment on site, monitoring to ensure 7 a.m. start. If hammer is used, wrap with noise blanket.

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.

Next CLC meeting: Our next meeting is expected to take place June 3, 2025.

Connect with us:

- Bradley Naismith, Community Engagement Advisor
- Ross Andersen, Senior Advisor, Community Engagement

Email: OntarioLine@metrolinx.com

Telephone 24/7 @ 416-202-5100

Follow us on social media:

Twitter / Facebook / Instagram: @OntarioLine



*Scan here to sign up
for the Ontario Line
e-newsletter*



*Scan here to explore
Ontario Line CLC
documents*

