

Ontario Line

# Queen-Spadina Construction Liaison Committee

September 2, 2025





# Agenda

## Welcome (5 min)

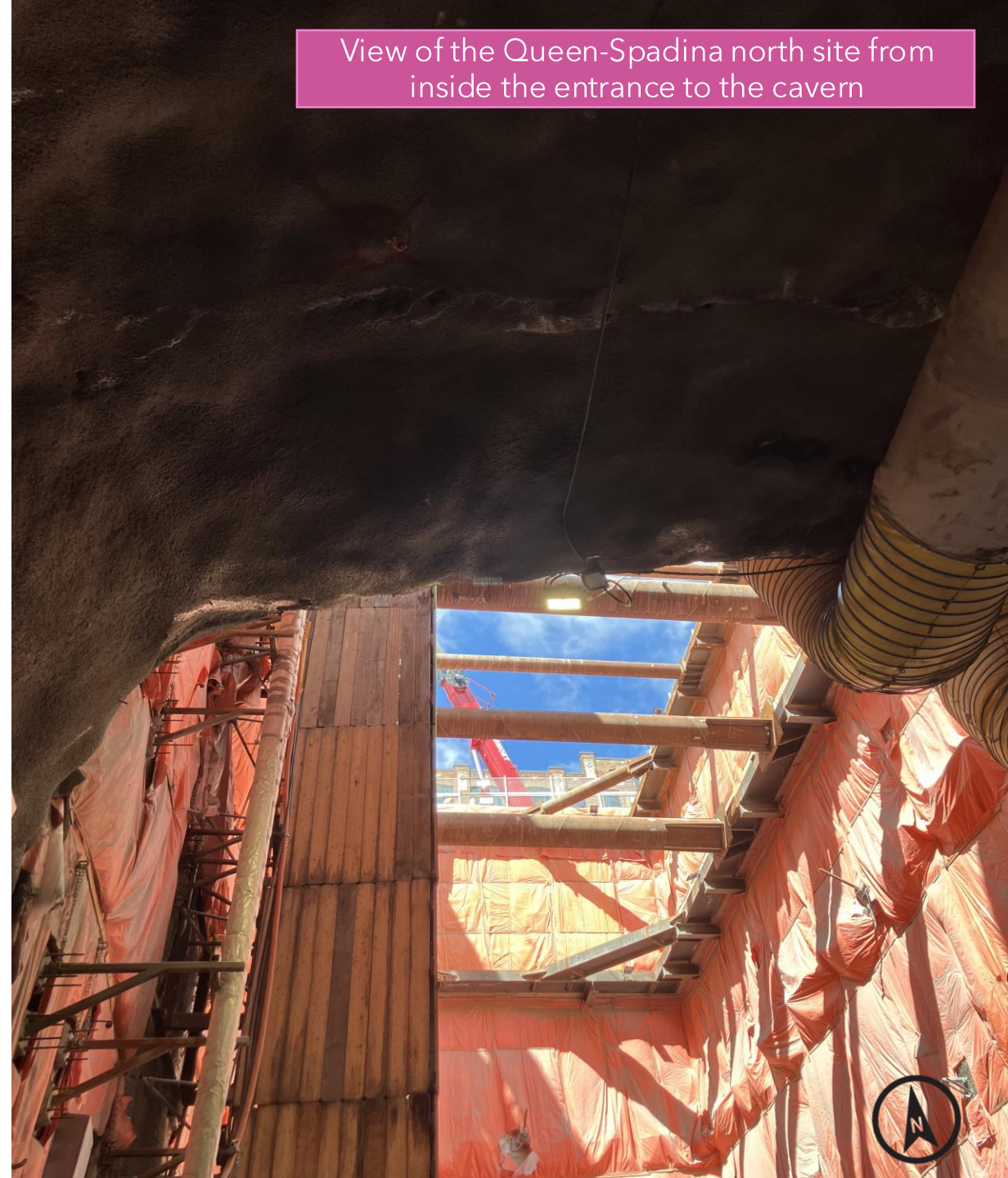
- Introductions
- Land Acknowledgment
- Safety Moment
- Session Guidelines
- Action Items
- Frequently Asked Questions

## Presentation (30 min)

- Construction Updates

## Q/A and discussion (25 min)

View of the Queen-Spadina north site from inside the entrance to the cavern





# LAND ACKNOWLEDGEMENT

Metrolinx acknowledges that we connect communities by building and operating transit within the traditional lands of the Anishinaabe, the Haudenosaunee and the 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.



## SAFETY MOMENT - BACK TO SCHOOL

**Let's all do our part to keep kids, families, and workers safe during the busy back-to-school season—especially near construction areas.**

### **Watch for Construction Vehicles**

Be aware during drop-off and pick-up times. Large vehicles have blind spots—always keep a safe distance.

### **Obey Traffic Signs & Signals**

Respect reduced speed limits, detours, and flaggers in school and construction zones.

### **Use Designated Crosswalks**

Remind kids: no shortcuts through construction sites—hidden hazards may be present.

### **Stay Alert**

Avoid distractions (phones, headphones) while driving or walking. Children may be unpredictable.

### **Plan Your Route**

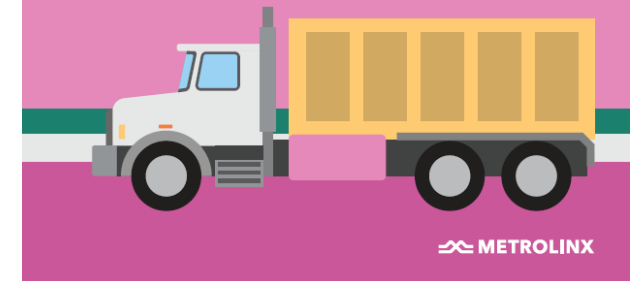
Give yourself extra time and consider alternate routes to avoid congestion near schools and construction.

**Together, we can ensure a safe and smooth back-to-school season.**

**SCHOOL'S BACK**

**SLOW DOWN,  
LOOK TWICE.**

**Thank you for keeping  
our communities safe.**



# 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.**

# AUGUST CLC ACTION ITEMS

	ACTION ITEM	RESPONSE	STATUS
1	A CLC member requested additional cleaning of the alleyway behind the site, as well as the roads surrounding the site.	Metrolinx and OTG have reviewed site cleanliness. Focus is placed on mitigations at site to minimize impact outside of the site. Cleaning of ingress and egress to site is implemented when required. No additional cleaning outside of the site is planned at this time.	Closed

FREQUENTLY ASKED QUESTIONS:

	TOPIC	RESPONSE
1	Pentabeam works	<p>Pentabeam works started in mid-August. The hyrdodemolition phase of this work is expected to be completed this week. Noise mitigation measures implemented for this specific work includes placing noise blanket surrounding fencing and limiting operating hours for some machinery to 8 a.m. to 7 p.m. OTG took these corrective actions in response to community feedback.</p> <p>Crews expect to complete all works related to the pentabeam by mid September.</p>
2	Current phase of works	<p>Due to adjustments with pentabeam works, the current stage of shaft excavation is expected to continue in to early September, along with the excavation of footings and the pentabeam, which involves breaking concrete and rock. Once excavation is complete, the structural phase will begin, which will include the installation of steel elements such as walers and struts. This phase of work is expected for approximately 3 weeks.</p>
3	Hours of work	<ul style="list-style-type: none"><li>• North site: 24-hour shifts (Monday – Saturday), with occasional Sunday work as needed.</li><li>• South site: 7:00 a.m. to 11:00 p.m., Monday through Friday, with occasional weekends. Work hours may be adjusted in consideration of the particular work underway and construction sequence.<ul style="list-style-type: none"><li>• During this current phase of work, crews are expected to work from 7:00 a.m. to 11:00 p.m. during weekdays (Monday through Friday).</li><li>• Crews may work on Saturdays and Sundays from 7:00 a.m. to 7:00 p.m. during the weekend.</li></ul></li></ul>
4	Mitigations in place	<p>To reduce impacts to residents and businesses in the area, mitigations are in place including air quality, noise, and vibration monitoring, site hoarding, additional paved areas, and sprinkler systems for dust suppression. At the South site, additional mitigations have been added during rock breaking excavation as well as pentabeam works.</p>
5	Completion dates – excavation	<ul style="list-style-type: none"><li>• North site: Excavation and cavern work is expected to be complete in early 2026.</li><li>• South site: Excavation is expected to be complete by the end of 2025.</li></ul> <p>Additional phases of station construction will follow.</p>

# Queen-Spadina Construction Update





## CURRENT WORKS: QUEEN-SPADINA CAVERN

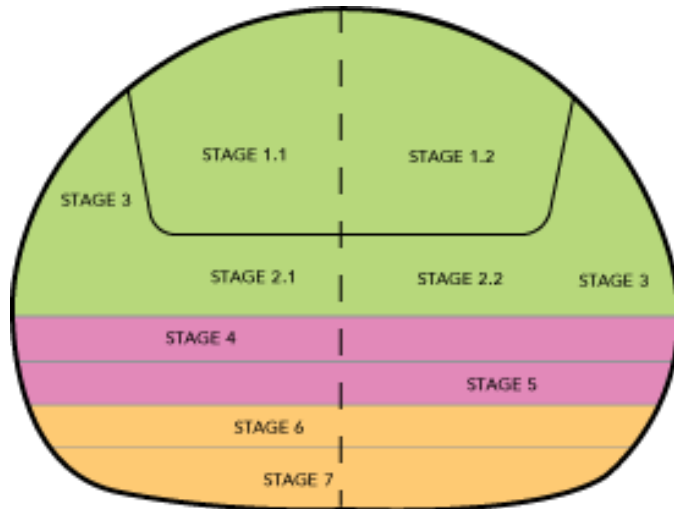
- Excavation of the cavern is ongoing; both headwalls have been reached and now crews are continuing to widen and deepen the interior of the space.
- This cavern will connect the north and south station entrances to the tunnel and will house the future station platform.
- In addition to excavating rock, shotcrete and rock bolts are being installed for support.
- Expected completion of the cavern excavation is early 2026.



*Future connection will be made with the south site in the cavern at the Queen-Spadina*

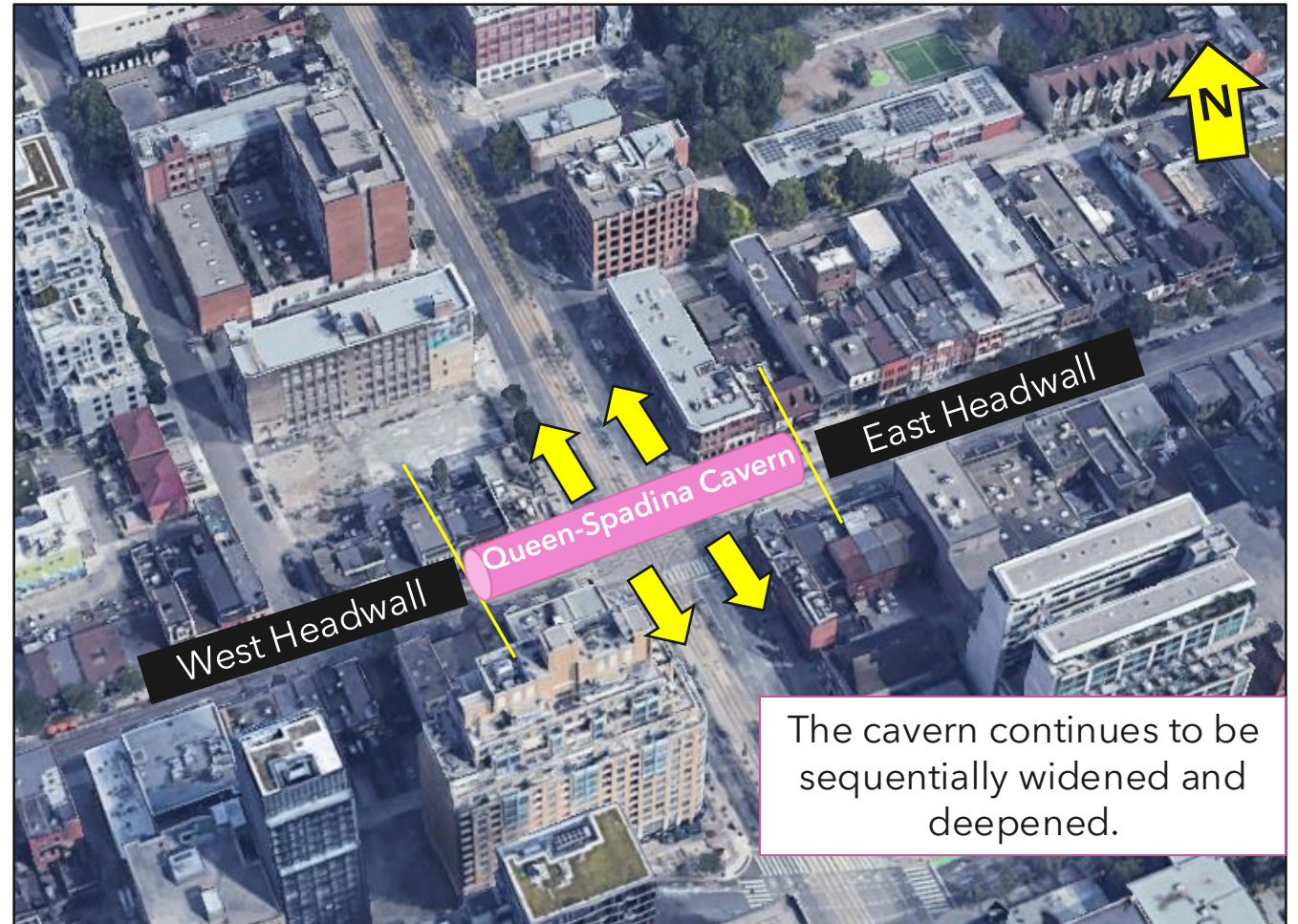
## CURRENT WORKS: QUEEN-SPADINA CAVERN

Crews continue to excavate the cavern, to accommodate the full width and depth needed for tunnel boring machines, as well as the future station platform and tracks.



*As of September 2025*

- Green** = completed excavation
- Pink** = next stage of excavation
- Orange** = final stages



*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.*

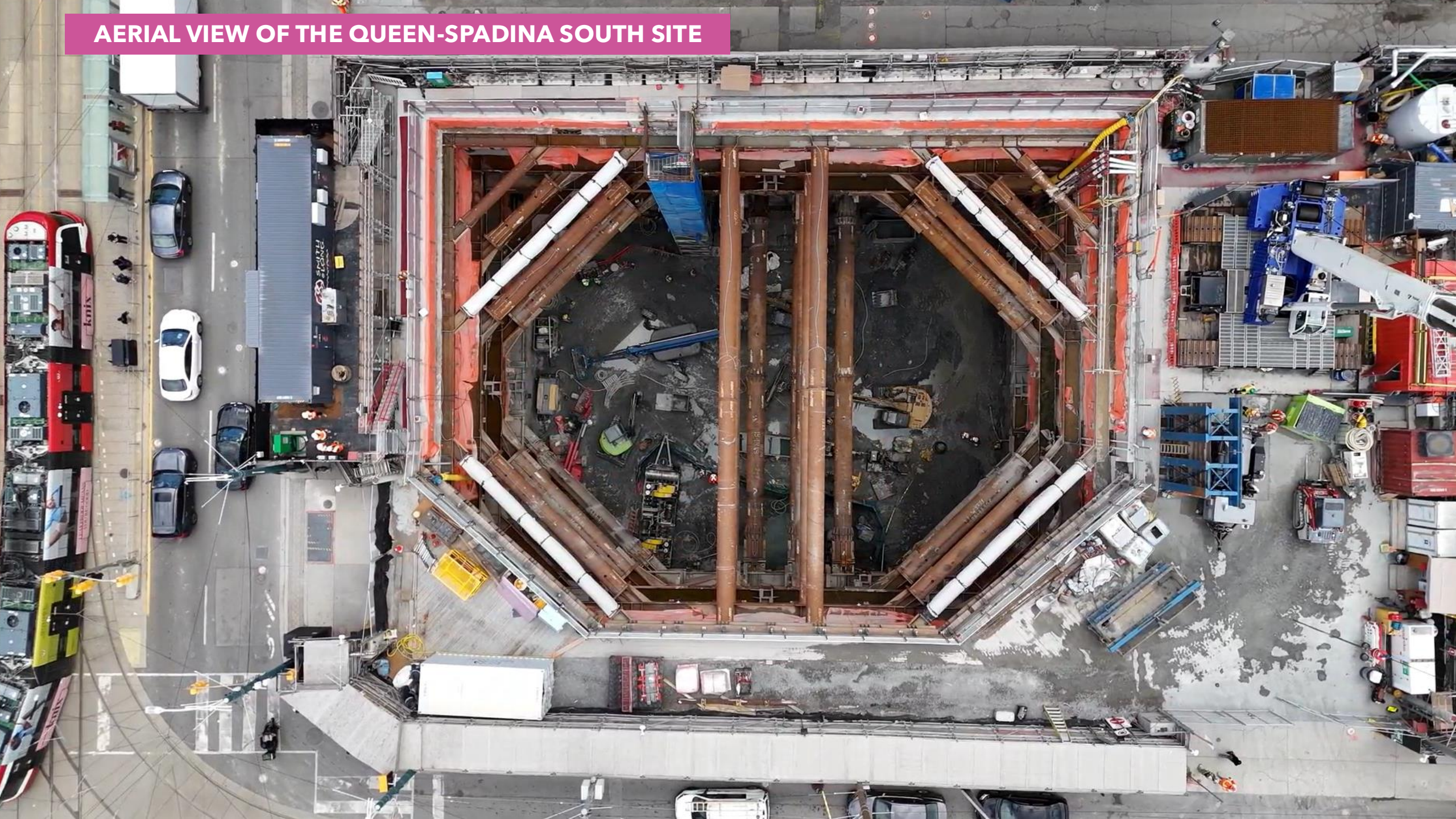


## VIEW FROM INSIDE THE CAVERN AT THE QUEEN-SPADINA





# AERIAL VIEW OF THE QUEEN-SPADINA SOUTH SITE





## CURRENT WORKS: QUEEN-SPADINA SOUTH SITE

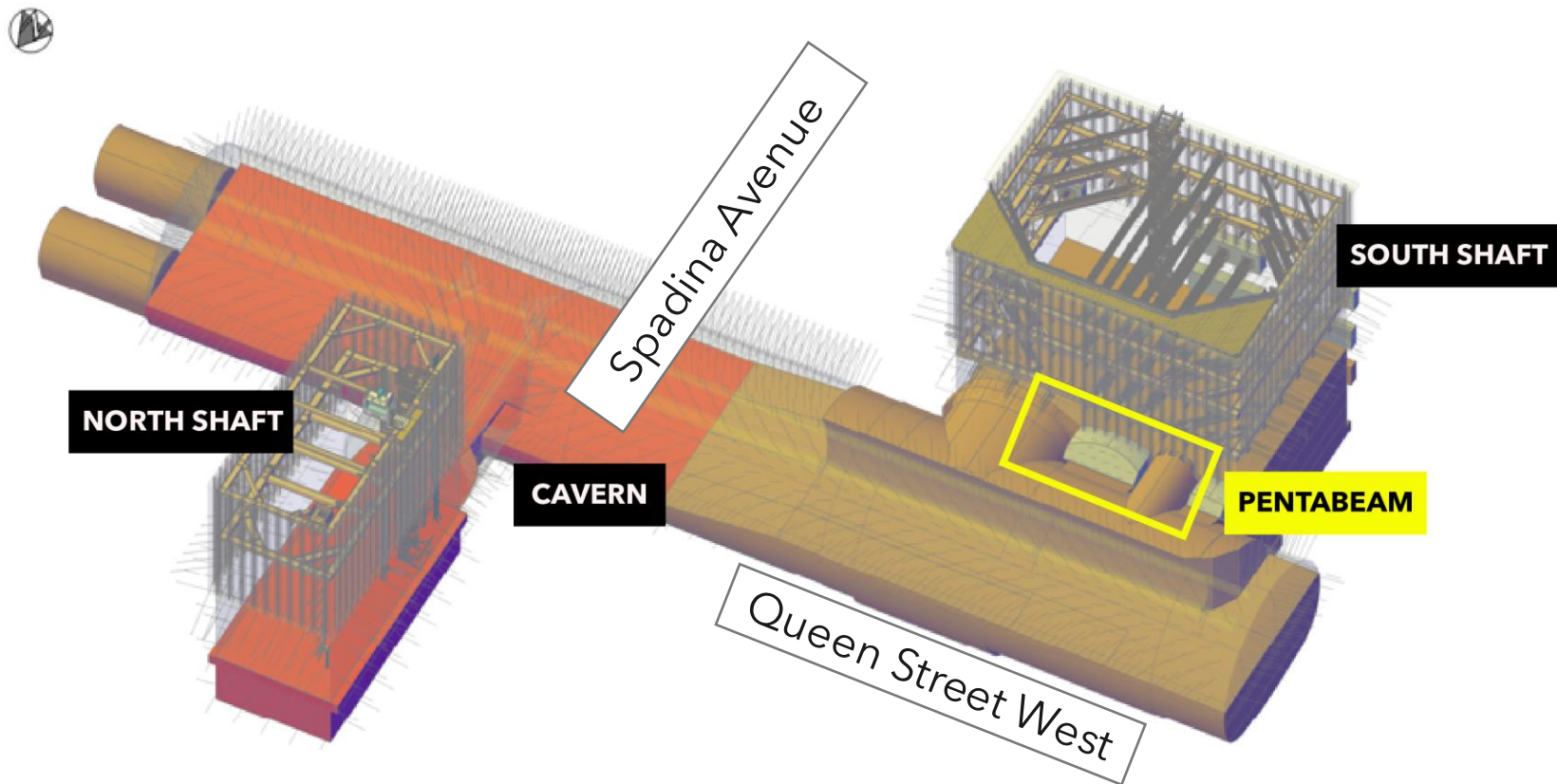
- The most recent rock breaking level is completed.
- The current phase of work include the installation of walers and struts. This phase of work expected to be completed in approximately 3 weeks.
- Crews are also advancing installation of a pentabeam structure to connect the station shaft and cavern. This work is underway and expected to be completed by mid-September.
- Additional noise mitigation measures have been implemented for pentabeam hydrodemolition, including placing noise blankets on surrounding fencing, focusing this work from 8 a.m. to 7 p.m. on weekdays, and avoiding machine use in areas with the highest noise levels.
- Current hours of work at the site are 11:00 p.m., Monday to Saturday, with occasional Sunday shifts. Works hours may be adjusted.
- Curb Cutting Notice : [Here](#)



*Pentabeam work in progress with mitigations in place at the Queen-Spadina south station site*

## UPCOMING WORK: CONNECTING THE SOUTH SHAFT AND CAVERN

**To connect the station shaft and cavern crews will install a pentabeam structure for support.** In the future, passengers will pass through this area to access the Ontario Line platforms.



*Diagram of the Queen-Spadina south station design*



# Upcoming Work

# QUEEN-SPADINA NORTH EIGHT WEEK LOOKAHEAD: SEPTEMBER - OCTOBER 2025

#	Activity	Expected Start	Expected Duration	Impact	Hours of Work	Mitigations
1	Rock Excavation (includes rock bolts and shotcrete)	Ongoing	Entire lookahead period	Noise	Monday to Sunday 24 hours	Hoarding as noise mitigation. Dust mitigation includes misting, sweeping. Erosion and sediment control.
2	Adit Excavation (entrance passage to the horizontal cavern)	Ongoing	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.
3	Cavern Excavation	Ongoing	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.

# QUEEN-SPADINA SOUTH EIGHT WEEK LOOKAHEAD: SEPTEMBER - OCTOBER 2025

#	Activity	Expected Start	Expected Duration	Impact	Hours of Work	Mitigations
4	Rock Excavation (includes rock bolts and shotcrete)	Ongoing	Entire lookahead period	Noise, air quality	Monday to Friday* 7:00 a.m. to 11:00 p.m. *Occasional weekends.	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 7:00 a.m. start.
5	Pentabeam from South Shaft	Ongoing	Mid September	Noise, air quality	Monday to Saturday with occasional Sundays 7:00 a.m. to 11:00 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 7:00 a.m. start.
6	Installing Walers and Struts	September 22 nd	Entire lookahead period	Vibration, noise	Monday to Saturday with occasional Sundays 7:00 a.m. to 11:00 p.m.	Hoarding as noise mitigation. Use of broadband alarms for equipment on site, monitoring to ensure 7:00 a.m. start.
7	Signage Installation	September 8th	Up to 1 week	Road traffic, noise	Weekdays (Monday to Friday) from 9:00 p.m. to 5:00 a.m.	Flaggers will direct or reroute pedestrians as required during installation of the signage along the site perimeter. Safety barriers will be used to separate pedestrians from the work zone.
8	South Shaft Adit (break through)	Early October	1 day	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.



# Discussion

## 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 October 7, 2025.

**Open House:** expected late October 2025; more details will be shared closer to the date.

**Connect with us:**

- Libaan Geedi, Community Engagement Advisor
- Ross Andersen, Senior Advisor, Community Engagement

Email: [OntarioLine@metrolinx.com](mailto:OntarioLine@metrolinx.com)  
Telephone 24/7 @ 416-202-5100

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