



# **Eglinton Crosstown West Extension Advanced Tunnel Community Liaison Committee (CLC) Meeting #6**

# Agenda

1. Land Acknowledgement
2. Safety Moment
3. Online Meeting Tips
4. Introducing the WECC and Metrolinx project team
5. CLC Expectations
6. Project Schedule
7. Tunnel Update
8. Surface Construction Update
9. Public Engagement
10. Monitoring
11. Questions

## Land acknowledgement

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

Surface construction for the Eglinton Crosstown West Extension (ECWE) is winding down, however, trucks, machinery, and equipment are still operating in many areas along the Eglinton Avenue West corridor.

Staff are trained to ensure the safe movement of vehicles and equipment in the area.

Everyone has a role in safety to play.

Please obey construction signage in the area and cross at designated crosswalks.

Exercise caution while traveling and commuting in the area.



**CAUTION!**

**Construction equipment and vehicles passing through.**

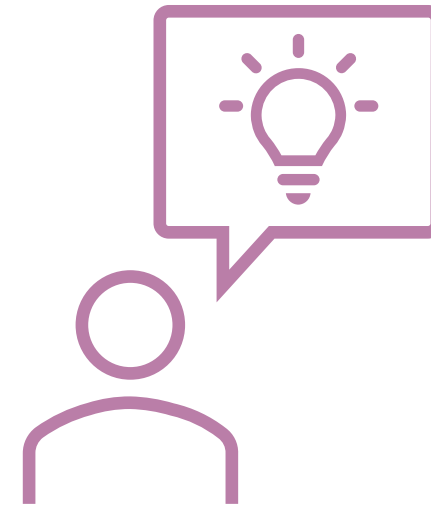


**Stay alert while in our construction zone.**

**There's a lot going on while we build your new transit extension.**

## Online Meeting Tips

- Please ask your questions at the end of the presentation.
- Questions can be asked through the meeting chat or by raising a hand in the meeting.
- Our meeting organizers will unmute your speaker when you are ready to ask your question at the end of the presentation.



## Introducing the WestEnd Connectors project team

WestEnd Connectors Construction is an integrated general partnership consisting of three Canadian and international leaders in construction: Dragados Canada, Inc., Aecon Infrastructure Management Inc., and Ghella Canada Ltd. Together, the team is building and financing the tunnels for the Eglinton Crosstown West Extension (ECWE).

Our team members have extensive experience in Canadian heavy civil and urban infrastructure projects and bring a unique expertise in underground tunneling works.



# Introducing the WestEnd Connectors project team



**John Provenzano**  
Communications &  
Public Engagement  
Lead



**Claudia Romero**  
Communications  
Specialist



# Introducing the Metrolinx project team



**Aman Gill**  
Community  
Engagement Manager,  
ECWE



**Wilfred Adapoe**  
Senior Advisor,  
Community  
Engagement, ECWE



**Fayyaz Siddiqui**  
Senior Project Manager-  
ATC1, ECWE



# Community Liaison Committee Code of Conduct

Community Liaison Committees (CLCs) are being held quarterly to provide open, two-way communication and sharing of information before and during construction of the ECWE project. A code of conduct will help ensure that discussions are respectful and productive:

- Participate fully and openly in discussions, while also creating an environment where all members are encouraged to contribute and share their views.
- Participate in a respectful manner, including refraining from use of foul language and derogatory comments.
- Keep requested agenda and discussion items within the mandate of the committee.
- Maintain confidentiality of sensitive issues, when requested by participants.
- Represent your community's diverse perspectives and interests.
- Refrain from speaking to the media or engaging on social media regarding their role or any information they obtained as a result of being a member.
- Commit to equity, diversity, overcoming systemic racism and supporting the participation of the whole community regardless of race, gender, class, sexuality, age or ability.

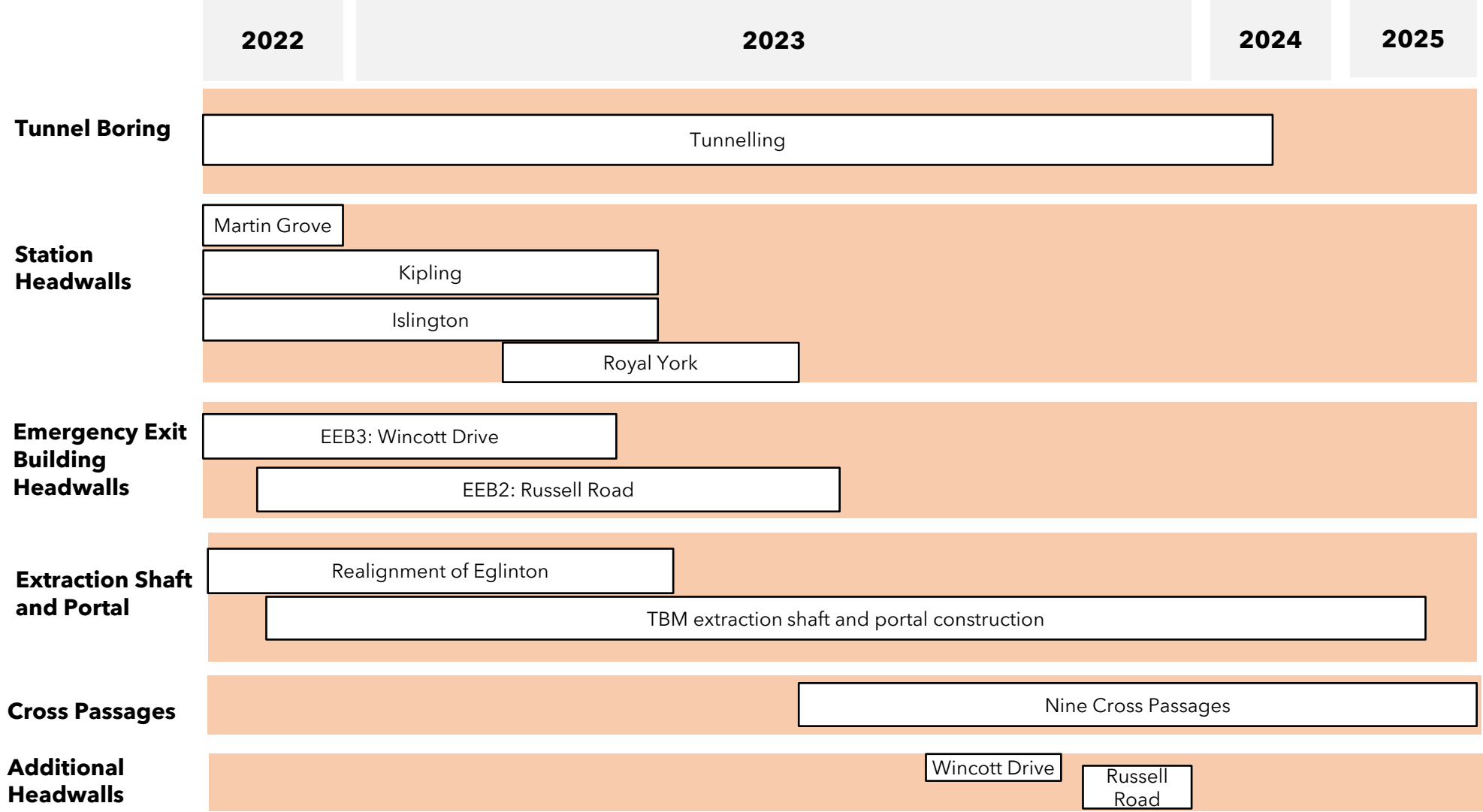


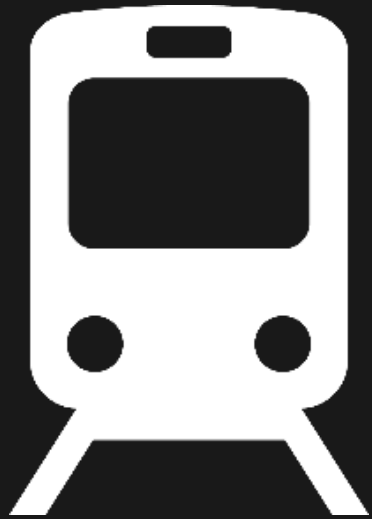
## **CLC Members**

- Residents
- Property management groups
- Representatives from condo boards
- Representatives from the community
- Businesses
- City of Toronto – Transit Expansion Office
- City of Toronto – Transportation Services
- Elected Officials

# Renforth to Scarlett tunnel timeline

Timelines are subject to change.





# Tunnelling Update



## What to expect during tunnelling

- Tunnel boring machines (TBMs) work beneath Eglinton Avenue West and operate Monday - Friday with occasional weekend work.
- The launch shaft area will be an active construction site until tunnelling and related work is complete in 2025.
- Residents and businesses in the area can expect to hear some noise during construction, but disruption will be minimal.
- Additional construction trucks will be present in the area during this work. The trucks/vehicles entering and exiting the site sound similar to the TTC buses and sanitary trucks that frequent the area.





# Launch Shaft - Renforth

## Did you know?

- Our Launch Shaft, where Renny and Rexy first began digging, is 80 metres long, 20 metres wide and 17 metres deep, and at about 27,200 cubic metres, has roughly the same volume as 11 Olympic-size swimming pools.
- The conveyor belt that removes the soil and rock from the tunnels can hold up to 500 tonnes of material per hour.
- Tunnel liners are made of reinforced concrete and give the tunnels their structure. We'll use about 7,400 concrete rings to complete the tunnels for the project.





## TBM update

- Both TBMs, Renny and Rexy, will tunnel approximately 6 kilometres along the Eglinton Avenue West Corridor before completing their journey at Scarlett Road in 2024.
- Renny is currently at 5.31km and Rexy is at 6.14km.
- Renny and Rexy are expected to finish digging at Scarlett Road and Eglinton Avenue West in Spring/Summer 2024.

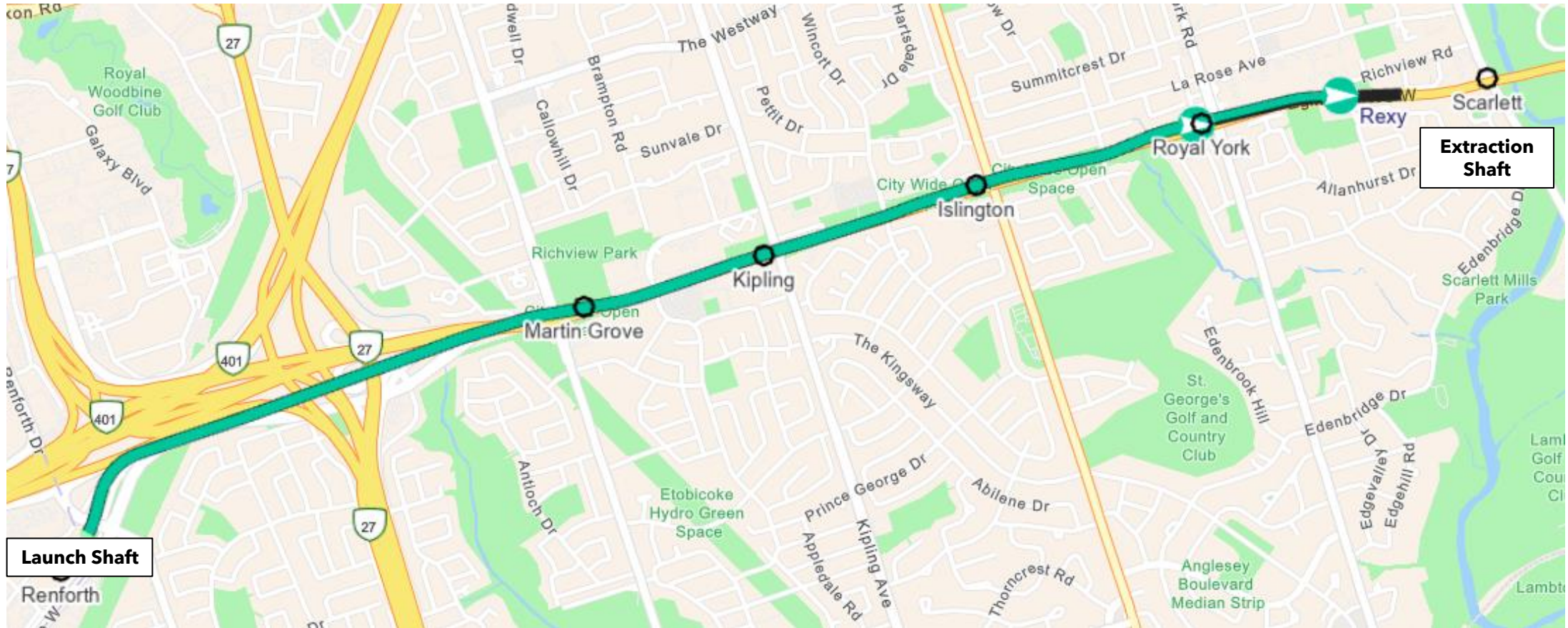




## Tunnelling update

Where are Renny and Rexy, the two tunnel boring machines (TBMs) now?

The TBM Tracker can be found on the project website and is updated regularly.





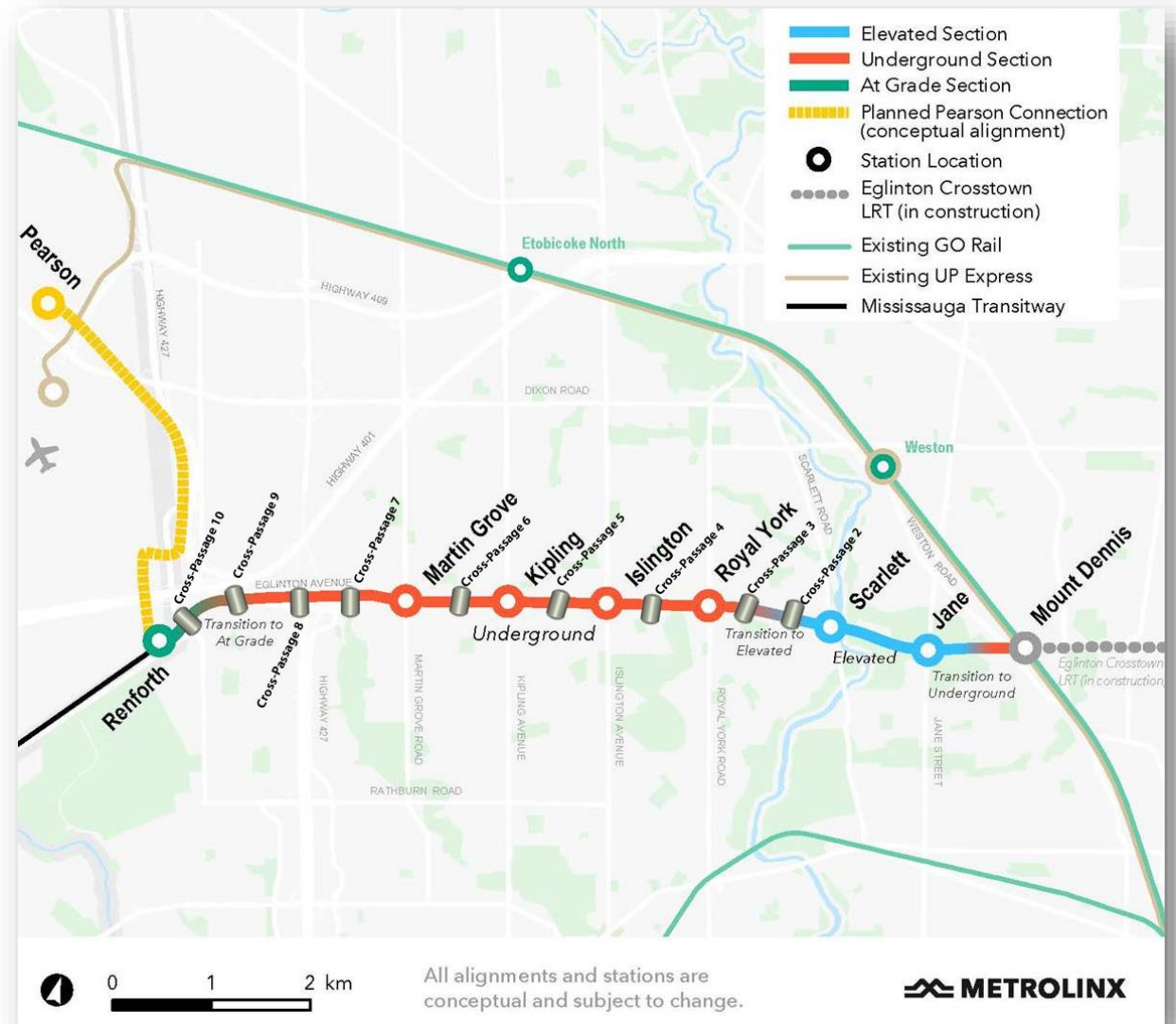
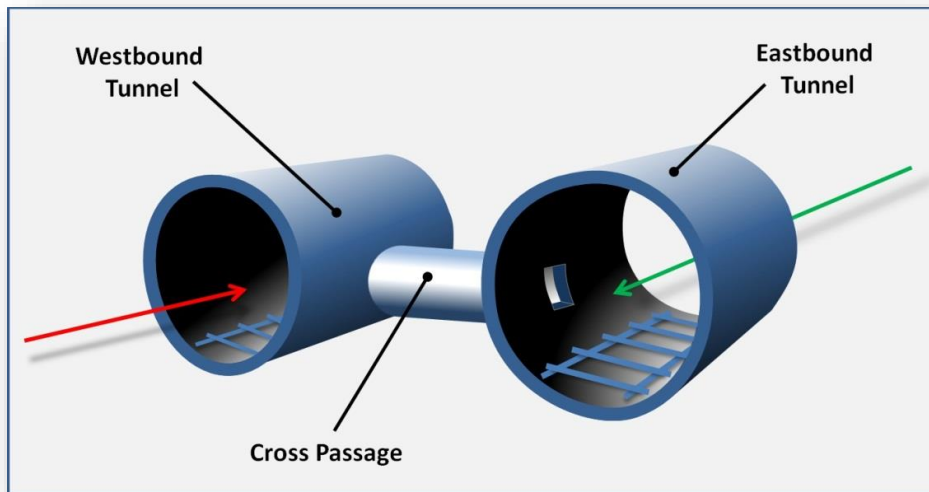
# Cross Passage construction

A cross passage (CP) is a small passageway built to connect the eastbound and westbound tunnels for maintenance and/or emergency purposes.

This scope of the project will have 9 cross passages along the Eglinton Avenue West corridor.

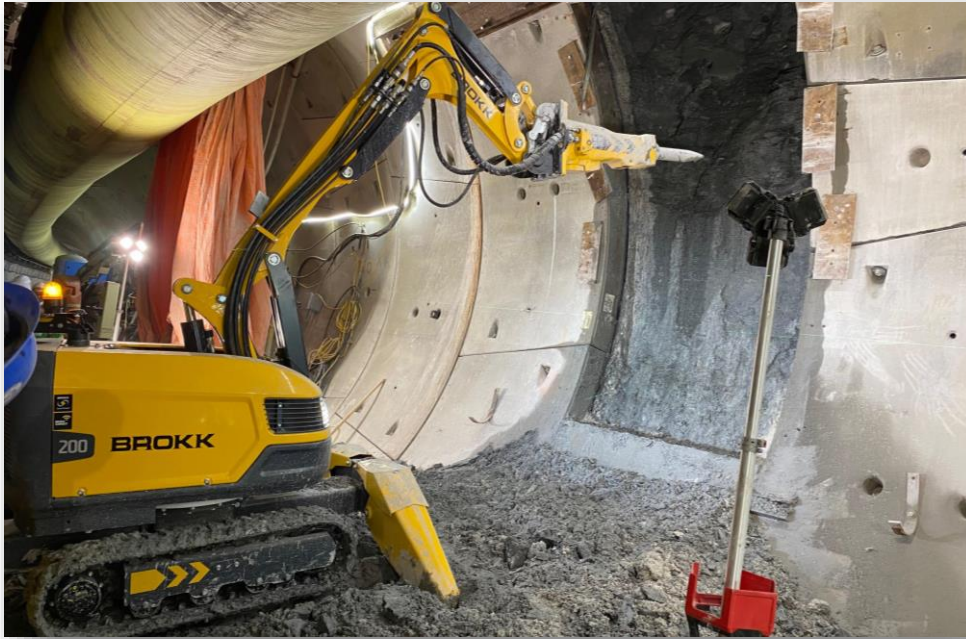
Work for the first cross passage at Renforth, "CP-10" started on May 15, 2023 - slightly ahead of schedule.

While many other projects build cross passages after the TBMs complete their digging, our team's methods, equipment, and expertise allow us to build them during TBM operation.

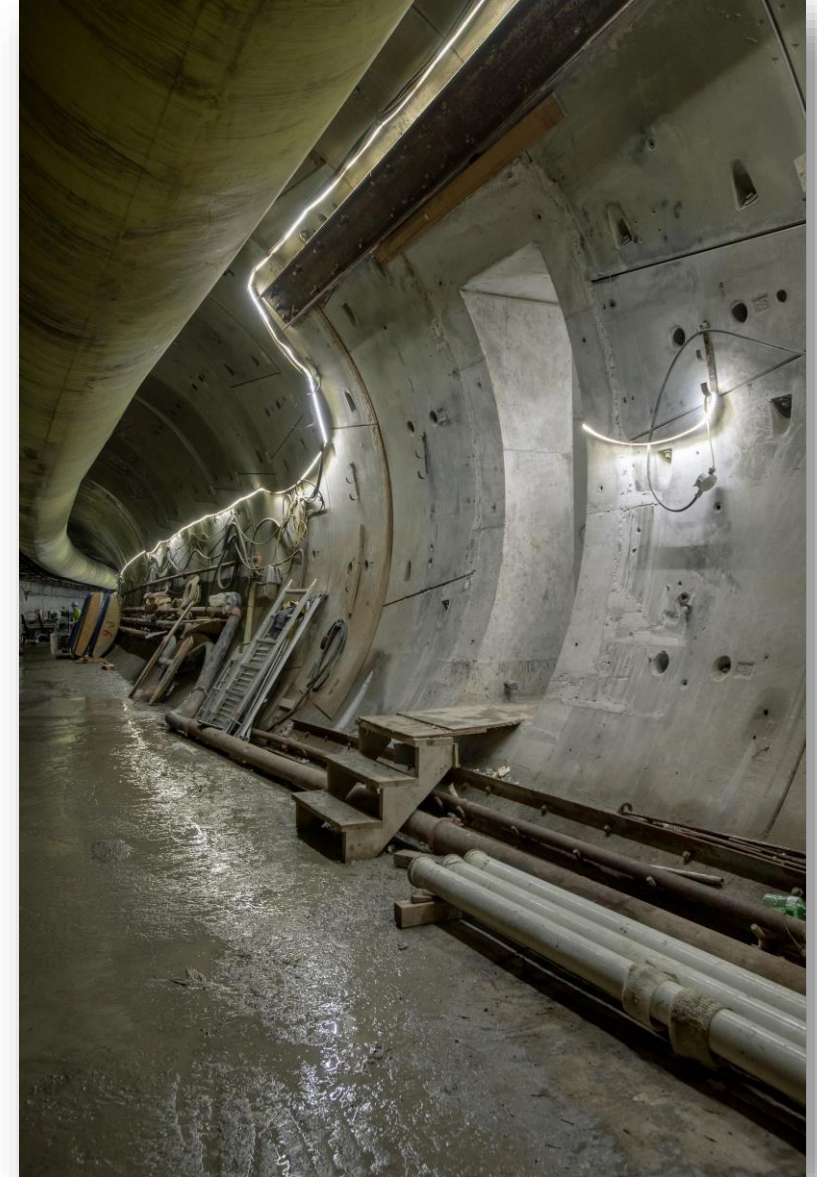


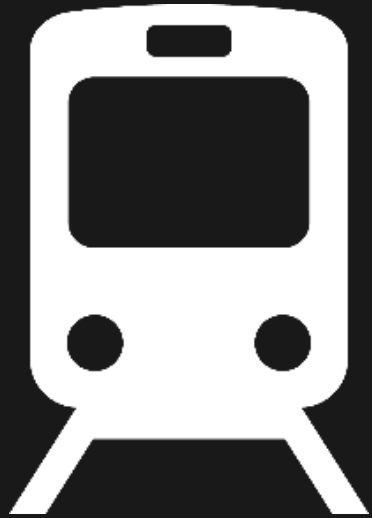
## Cross Passage construction progress

44 % Completed



- Work for CP-10, CP-9, CP-8 and CP-7 began in May 2023 and was completed in December 2023.
- Preparatory works for CP-6, CP-5, CP-4, CP-3 and CP-2 began in February 2024.
- All cross passage work is expected to be completed in 2025.





# Construction Update

## What to expect during construction work?

- The working hours for surface construction are between 7:00 a.m. and 11:00 p.m.
- WECC typically works Monday to Friday, however, occasional weekend work is required.
- Residents can expect to hear noise from construction equipment, drills, excavators and trucks.
- Lane reductions and pedestrian detours will be required to ensure everyone's safety. Further notification will be provided for every lane closure.
- Mitigations are being put in place to reduce dust, including the use of water sprays and biodegradable dust suppressants.
- We are working as quickly as possible to minimize the impact to the neighborhoods and residences in the Eglinton Ave. area.
- If you have any concerns, we are here to listen. Contact our 24/7 hotline: **416-202-8001**



## Extraction shaft and portal - Scarlett Road



- The TBMs will finish digging west of Scarlett Road where they will be dismantled and removed from the ground through an extraction shaft.
- The shaft is also the portal for where the light rail vehicles transition between the tunnel and the elevated guideway.
- Construction for the extraction shaft/portal began in winter 2022. The TBMs are expected to finish tunnelling and be removed in Spring/Summer 2024.

# Driveway relocation at Richview Road

New work zone and traffic staging: October 2023 - 2025:

Traffic map not to scale.



- To continue working on the extraction shaft, crews relocated the Richview Road driveway further east from its original location.
- The private Richview Road sidewalk will remain open, however, a small portion is closed off to provide access for the driveway.
- Left turns into the driveway will remain prohibited.



## Dewatering for cross passages

Winter 2024 - 2025



- Dewatering systems will be installed along Eglinton Avenue West for future cross passage work. While the majority of work will occur underground within the tunnels, dewatering operations will be visible on the surface as well.
- The term **"dewatering"** means pumping ground water away from the site where excavation will take place.
- Dewatering wells are an important part of the cross passage construction process. The wells ensure the water table remains low enough to allow for mining to be completed to construct the passage outside the main tunnels.
- The dewatering pumps and/or generators are required to be active 24 hours a day until cross passage work is completed.



## TBM Disassembly in Spring - Summer 2024



- After Renny and Remy complete their tunnelling at the extraction shaft, crews will begin dismantling the TBMs.
- This process can take up to one month for each TBM.
- Residents can expect lane closures during this period.





## Public Engagement

- Resident and commuter engagement, pop-up events, and canvassing have been conducted across the Eglinton Avenue West Corridor since 2021. Community members and residents can provide feedback directly to the team and have project questions or concerns answered in person.
- The CLC is another form of public engagement to help bring more voices to discussions about the project.

**In 2024, the ECWE Communications and Public Engagement team has:**

- Conducted **6** community pop-up events
- Canvassed **500+** houses
- Spoken with **800+** community members
- Hosted or participated in **2** open houses and community meetings
- **2** minister / councillor tunnel tours
- **10,000+** community notices distributed to residents

**Open House  
Tunnelling Update  
March 20 2024**



# Monitoring

- Noise, air and vibration monitors have been installed on the properties of residences, offices and commercial buildings in the vicinity of the construction.
- This equipment helps us measure and minimize noise and vibration throughout the project term to prioritize your safety and well-being.
- The project team will continually monitor the noise, air and vibration throughout the project term.

## This is not a camera!

This is a **total station**, an automatic monitoring system that reads slope measurements and surface movements at specific points. As the TBMs tunnel across Eglinton Avenue West, the project team can read the data collected by these instruments to see if they have caused any surface or ground impacts as they pass.



## Geotechnical Instrumentation Monitoring Points Instruments



Installed in the ground, these short white cylindrical posts are Surface Monitoring Points that monitor any ground movement along the tunnel alignment as the TBMs pass through.



The L-Bar Mini Prism is a compact and versatile optical target used with automated total stations to monitor potential ground movement and the structures on it. Suitable for a wide range of applications, the L-Bar Mini Prism is installed on the exterior building facades.

**Together, these instruments operate as a whole.**



## Air Quality Monitor



- Air quality monitors measure dust levels 24/7 while construction is occurring in the area.
- The air quality monitor is a small, battery operated, noiseless unit which is typically installed on a lamppost or similar structure.
- Installation does not require any drilling or intrusive impacts to buildings or structures.
- WECC may require periodic access to maintain the monitor (e.g., cleaning off the solar panel).

## Noise Monitor



- Noise monitors measure noise levels during construction in the area.
- The noise monitor is a small, battery operated, noiseless unit which is typically installed on a lamp-post or similar structure.
- Installation does not require any drilling or intrusive impacts to buildings or structures.



## Vibration Monitor



- These monitor sensitive structures during surface construction in the area.
- The vibration monitor is a small, battery operated, noiseless unit which is typically installed on the ground.
- Installation does not require any drilling or intrusive impacts to buildings or structures.

**Questions?**