

Scarborough Subway Extension

Virtual Meeting - Focused Community Event

March 8, 2022

Land Acknowledgement

Let us take a moment to acknowledge that we are on the traditional territory of Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Wendat peoples.

We are all Treaty people. Many of us have come here as settlers and immigrants...in this generation or generations past. Metrolinx declares its commitment to building meaningful relationships with Indigenous Peoples.

We acknowledge the historic and continued impacts of colonialization and the need to work towards meaningful reconciliation with the original caretakers of this land.

We acknowledge that Metrolinx operates on lands covered by 20 Treaties, and that we have a responsibility to recognize and value the rights of Indigenous Nations and Peoples and conduct business in a manner that is built on the foundation of trust, respect and collaboration.

Agenda

1. Speakers for Today
2. Meet the Contractor
3. Project Overview/Timeline
4. Progress Update
5. Headwall Overview/Timeline
6. Sheppard East South Headwall
7. Construction Details/Mitigations
8. Communications and Engagement
9. Question & Answer



Panelists/Presenters



Nigel Sandy
Community Relations
Specialist, SSE



Georgina Collymore
Community Engagement
Manager, SSE



Ross Bain
Senior Project
Manager, SSE



Leonardo Triviño
Head of Technical
Department,
STRABAG

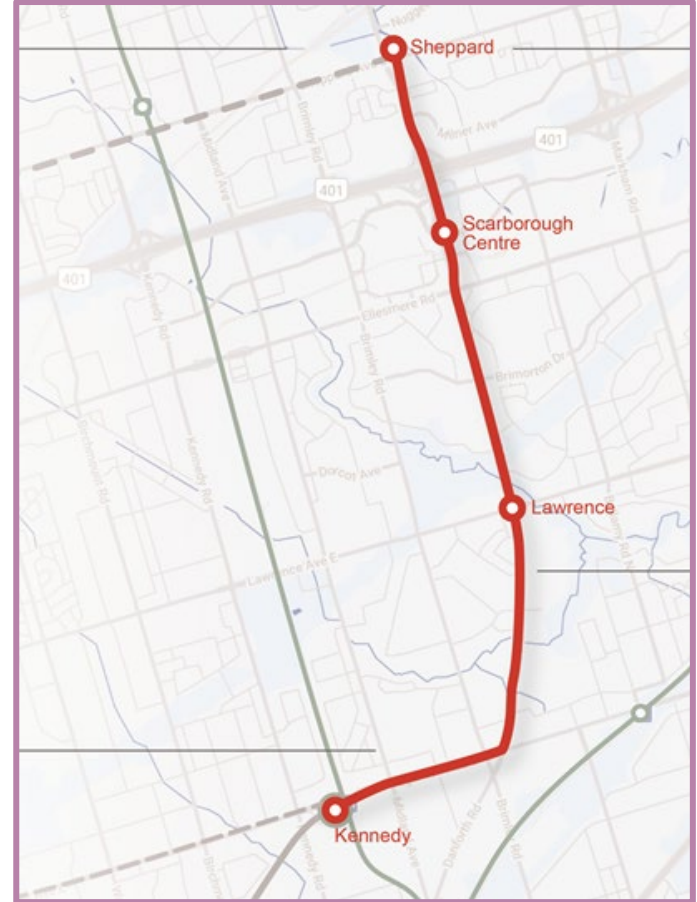
Meet the Contractor



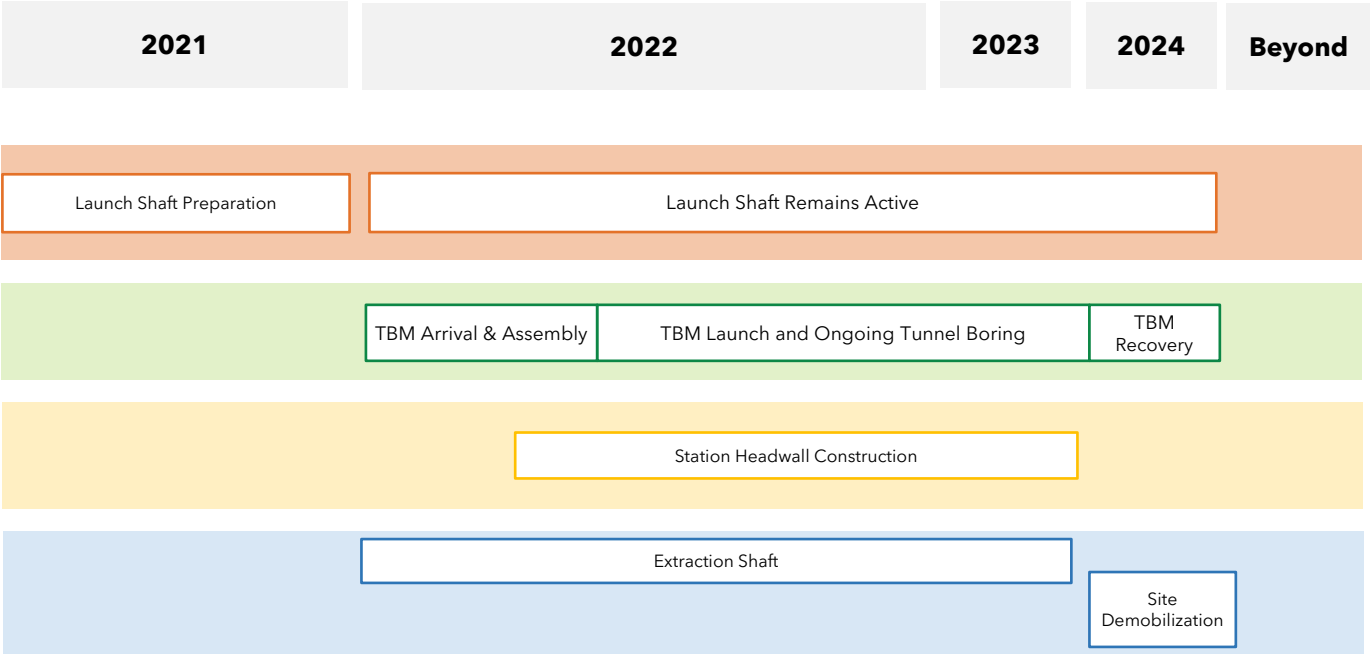
- STRABAG is an Austrian-based company and a global leader in tunnelling technologies
- Have built transportation infrastructure in more than 60 countries
- Bring together people, materials and machinery at the right place and at the right time to deliver complex projects - on schedule, of the highest quality and at the best price
- For this project Strabag is building one launch shaft, one extraction shaft, five headwalls for future stations and 14 headwalls for future emergency exit buildings.

Overview

- STRABAG was awarded the contract to design and build the tunnel for the subway extension.
- STRABAG completed the removal of the former car dealerships and is building the launch shaft for the tunnel boring machine (TBM) at the northeast corner of Sheppard Avenue and McCowan Road in Scarborough.
- The TBM has arrived at the launch shaft and will be put together at site and then lowered underground. The TBM will create the tunnel for the line, eventually linking with Kennedy Station.
- This year, STRABAG will start the construction of headwalls along the tunnel route.



Tunnel Timeline



Timelines are subject to change.

Progress Update



Launch Shaft at Sheppard & McCowan



Tunnel Boring Machine

What is a headwall?

- A crucial part of the tunnel building process is the installation of headwalls.
- Headwalls are underground support structures that create the frame for stations and emergency exit buildings.
- Headwalls must be built prior to the TBM drilling underground.



The Scarborough Subway Extension - Headwall Timeline



Station
Headwalls

2022

2023

Sheppard Station

EEB 7

Scarborough City Centre

EEB 6

EEB 5

Lawrence (Incl. Hospital)

EEB 4

EEB 3

EEB 2

EEB 1

Sheppard East Station

Emergency Exit Building 7

Scarborough Centre
Station

Emergency Exit Building 6

Emergency Exit Building
5

Lawrence East Station

Emergency Exit Building
4

Emergency Exit Building 3

Emergency Exit Building 2

Emergency Exit Building 1

Timelines are subject to change.

Headwall Construction - Sheppard East South



- This is the first headwall to be built as part of the project.
- Construction work will begin later this month.
- It will take approximately four months to build the headwall starting in mid-March.

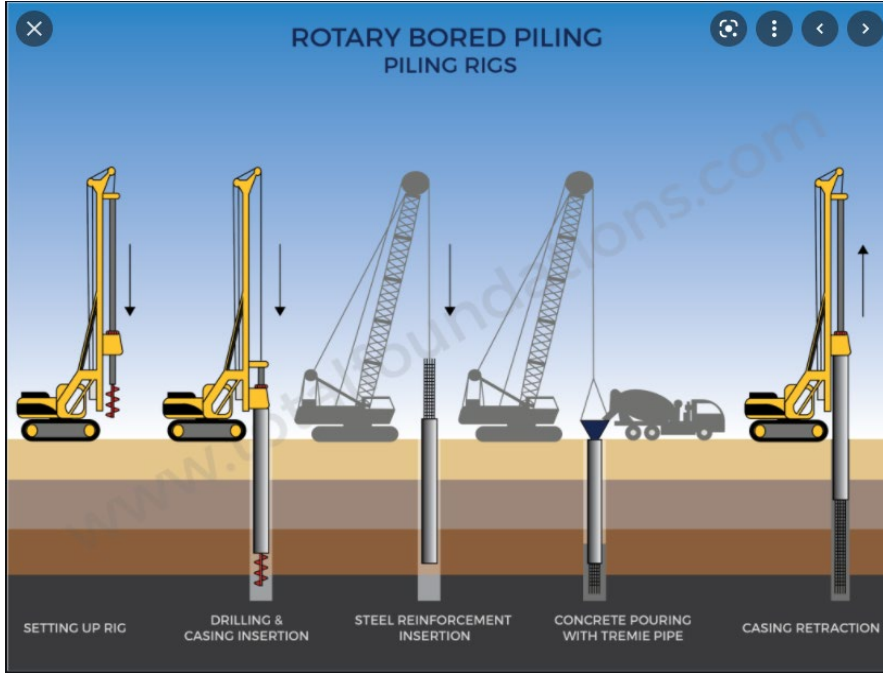
Headwall Construction - What You Will See



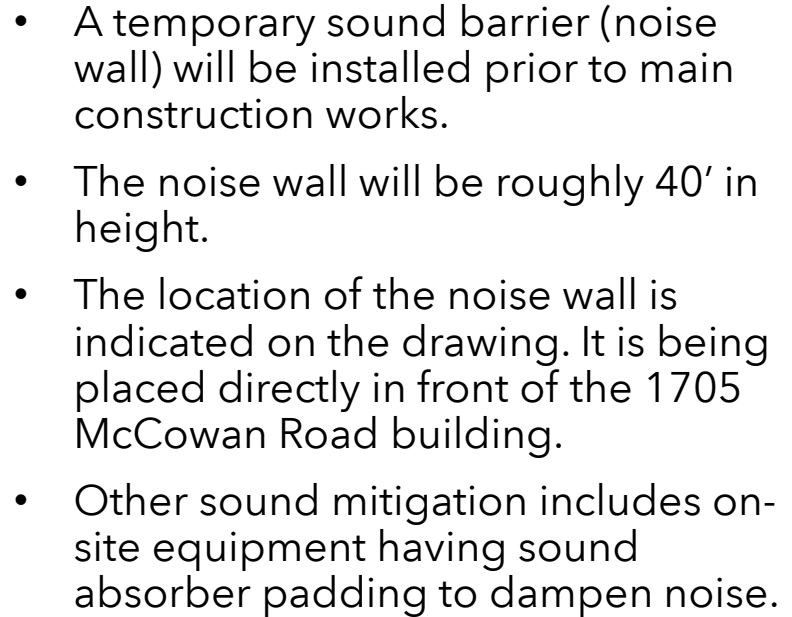
Headwall Construction - What You Will See



Headwall Construction - How We Build It



- Small construction crews will be working at the site during regular daytime hours.
- Activities will include setting up and securing the site, protecting trees, relocating utilities and drilling concrete piles.
- Once complete, the area will be restored to its previous condition.
- Noise and vibration from construction is expected. Every effort will be made to mitigate impacts.



Headwall Construction - Mitigation



Headwall Construction - Engagement

- Project teams have started informing residents and businesses about headwall construction.
- Construction notices will be distributed ahead of construction.
- Other engagement activities include:
 - Pop-up events throughout the project area
 - Door drops to residents and businesses
 - Signs regarding upcoming closures
 - Social media posts
 - In-person or virtual meetings/open houses
 - 24/7 phone line

Scarborough Subway Extension

Progress Update

Headwall Construction Scarborough Subway Extension

February 2022



Contact Us

Your feedback is important to help us move this project forward in a way that strengthens the community. We are grateful for your input.

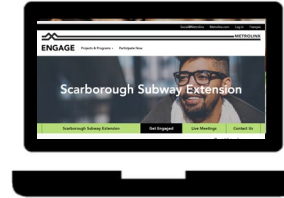
To stay up to date on upcoming virtual events and the latest Scarborough Subway Extension news, sign up for our e-newsletter at [Metrolinx.com/scarboroughsubway](https://metrolinx.com/scarboroughsubway)



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Questions & Answers