

Yonge North Subway Extension

Finch Early Works CLC Meeting #1



December 8, 2022
Construction Liaison Committee

 **METROLINX**



Terms of Reference

- Provides the objective, scope, roles and responsibility of this Construction Liaison Committee
- Helps ensure all parties are all on the same page
- Can determine meeting frequency, decorum, and format



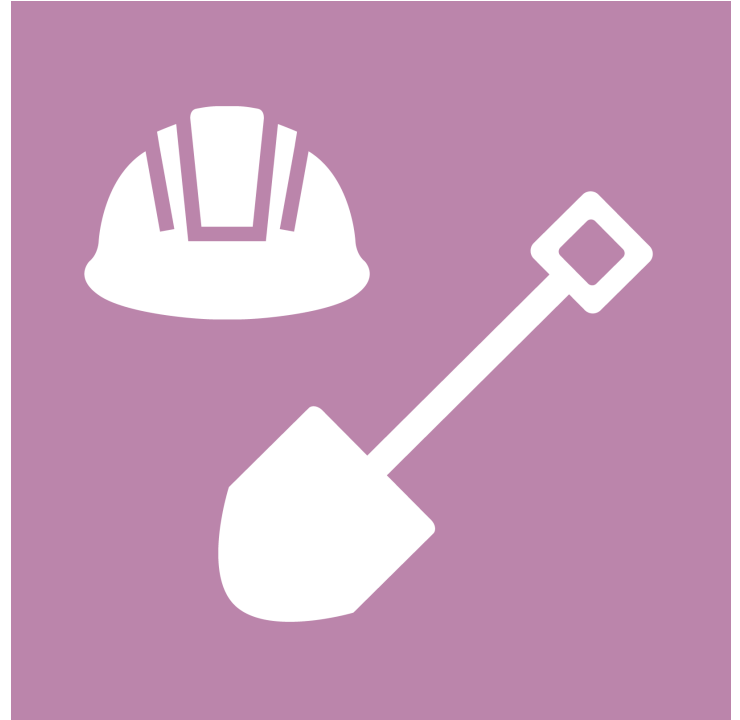
Early Works - Finch Station

Early works are construction activities that set the foundation for major construction to begin.

The early works planned at Finch Station will prepare it for upgrades that will be made to connect existing Line 1 service to the new subway extension.

These early works include:

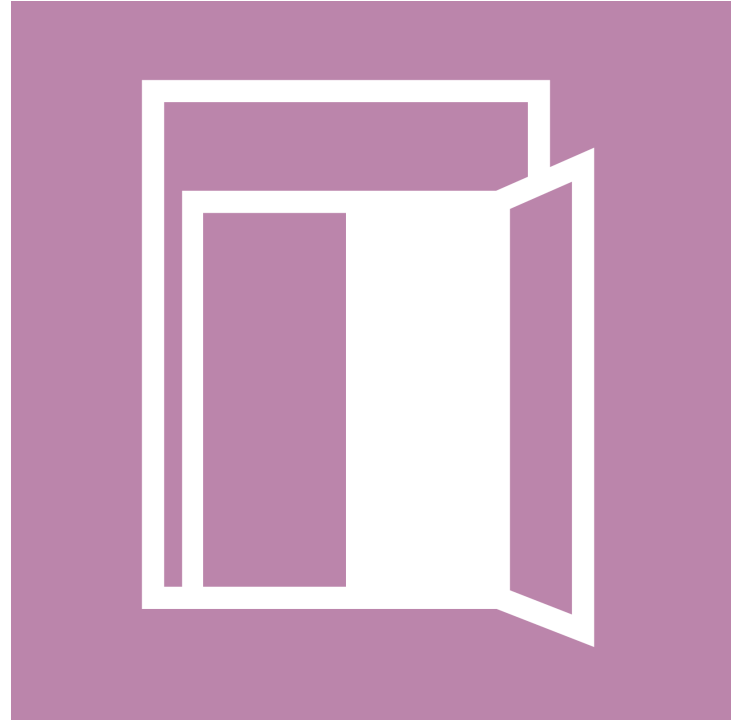
- **Installation of new traction power infrastructure required to energize trains on YNSE**
- **Upgrading equipment/electrical rooms (Back of House Rooms)**
- **Modifying the 'tail track' area beyond the station platforms**



Back of House Room Upgrades

Some of the most vital behind-the-scenes spaces at Finch Station are the rooms where transformers and other electrical equipment are housed. These systems provide Line 1 with the power it needs to keep the city moving.

- The **transformer room** and **cable pull room** in the subway station need to accommodate the additional power cables that will travel underground from the traction power substation on **Hendon Avenue** to power the subway extension.
- **Provide new Fibre Optic (FO) enclosures** close to the existing FO splice enclosures at Finch
- **Install networking equipment** to link the future subway extension into the TTC's communications systems

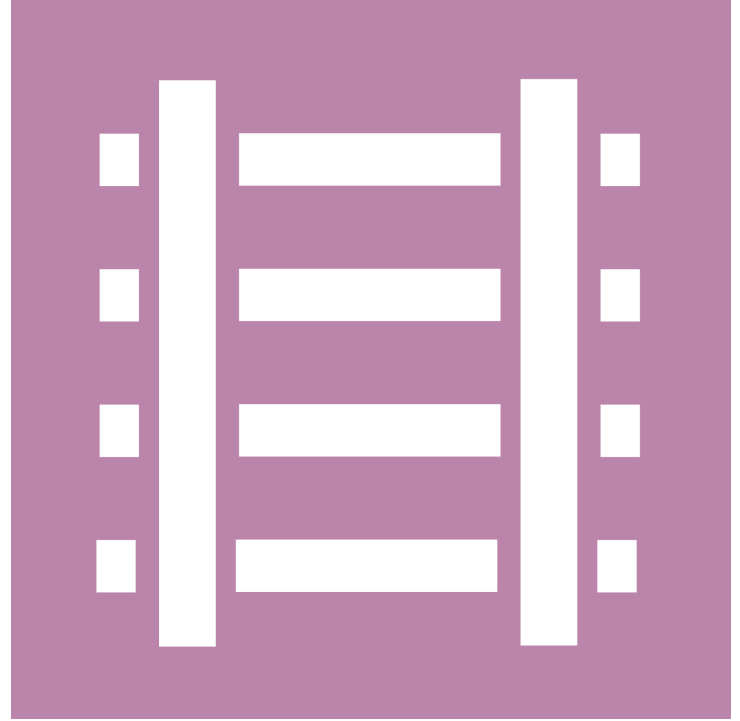


Tail Track Area Modifications

The 'tail tracks' just north of the Finch Station platform provide temporary parking space for subway trains while they're not in service.

The changes we're making to the tail tracks will prepare them to be converted to part of the main subway line and make them Fire Life Safety compliant. This involves:

- Installing a new fire department connection at street level at the corner of **Yonge Street** and **Hendon Avenue**
- From the fire department connection, a new Dry Fire Line will be installed throughout the tail track.
- Installation of cable management system for communications and control systems cabling within tail track



New Traction Power Cables

These improvements will bring power to the rails that will extend north from Finch Station.

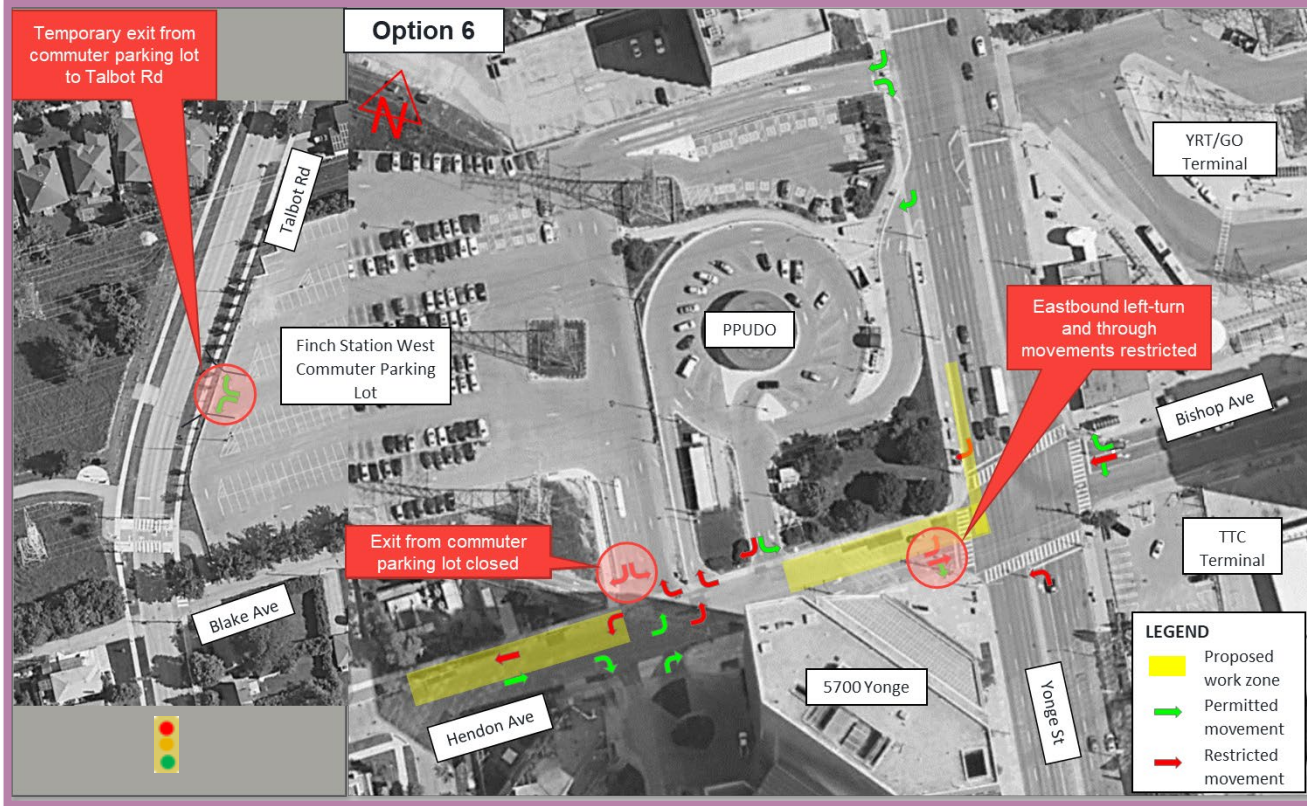
Heavy-duty power cables that travel from the existing traction power substation (TPSS) to the subway station will be secured inside a protective casing that will be buried underground along **Hendon Avenue**. Several manholes will also have to be added between the substation and Finch Station.

The installation of new power cables within the Hendon Avenue Right-Of-Way (ROW) are expected to begin **March 2023** and continue until **September 2023**.

In order to facilitate these upgrades, the Westbound Lane of Hendon Avenue would need to be closed from Yonge & Hendon Intersection to TPSS for **approximately 6-8 months**.



Yonge North Subway Extension



Hendon Ave.

- Westbound full lane closure.
- New temporary signal at Talbot and Hendon Ave

Yonge St at Hendon

- Closure of the North-South pedestrian crossing at Hendon (West of Yonge)
- Bus stop located on the NW side of Yonge / Hendon to be relocated approx. 30m North

We're here for the community

Our goal is to make sure local neighbourhoods and businesses stay accessible and successful throughout this important project.

- Any impacts to roads, traffic or transit will be thoughtfully planned for with the **City of Toronto** and the **TTC**, and communicated early through several channels.
- Metrolinx is committed to sharing the latest details of our plans, including how we'll help residents and businesses manage any impacts during construction and beyond.
- We'll keep you up-to-dated on plans and construction happening in the community.



THANK YOU

Summary of Traffic Management Plan

- Maintaining access to:
 - TTC parking lots;
 - Pick-up & drop-off area;
 - Multi-use path; and
 - 5700 Yonge St and other private properties and business
- Minimize impacts to bus operations
- Mitigate potential impacts on neighborhood roads
- Signage and Wayfinding to communicate Right-of-Way Impacts
- Signalization of Talbot and Hendon to mitigate auto traffic impacts
- Traffic Control Persons to ensure safe flow of multi modal traffic
- Public engagement to communicate Traffic Plans and to confirm requirements