

Finch Station Early Works Construction Liaison Committee Meeting #3



March 15, 2023



Finch Station Construction Has Begun



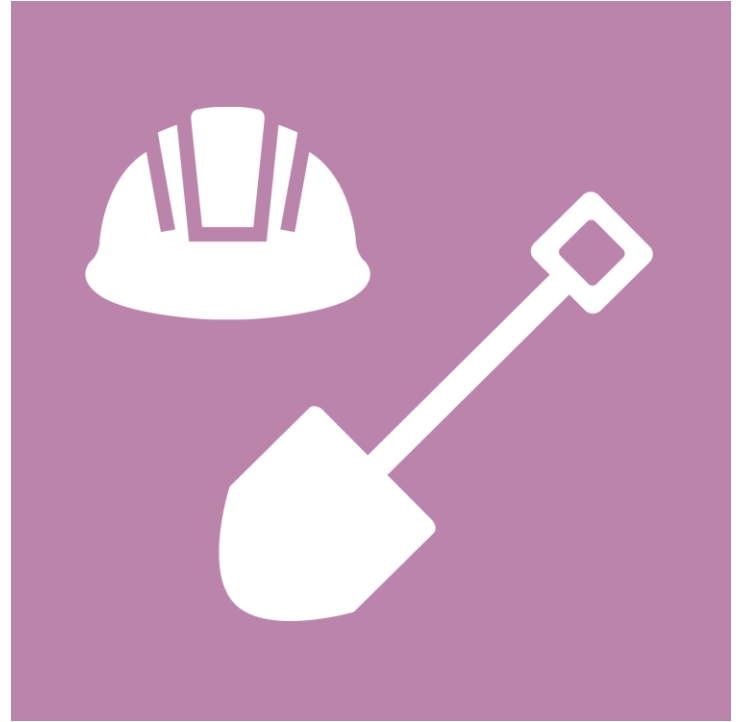
Recap: What are the Finch Station Early Works?

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:

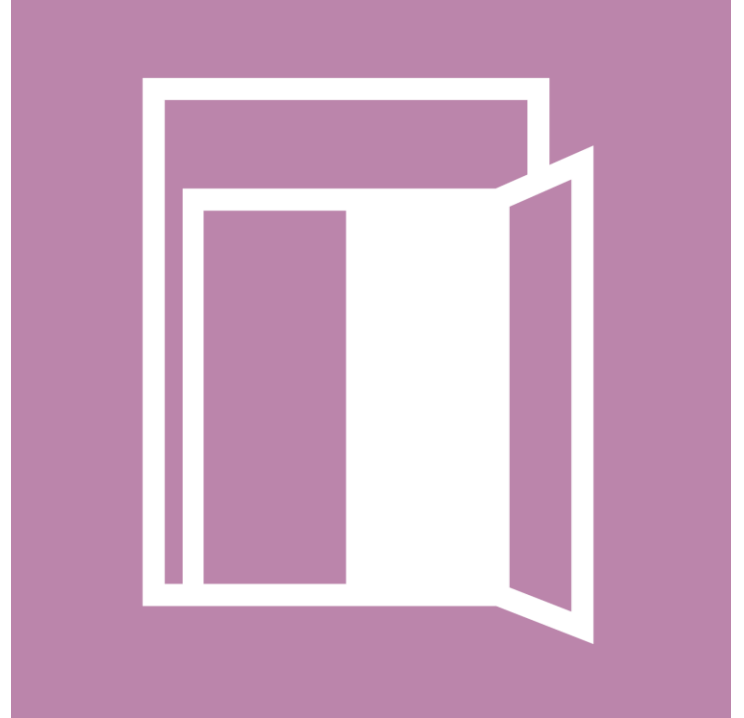
- **Installation of new traction power infrastructure required to energize trains on YNSE**
- **Upgrading equipment/electrical rooms (Back of House Rooms)**
- **Modifying the 'tail track' area beyond the station platforms**



Electrical and Data System 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.

- Power cables will be added and travel underground from the traction power substation on **Hendon Avenue** and **power the subway extension.**
- **New cables and other equipment** will link the future subway extension into the existing communications and train control systems.
- **Networking equipment** will be installed 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 sure the tunnels are built to the latest Fire & Life Safety regulations. 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.
- Installing 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.

In order to facilitate these upgrades, the Westbound Lane of Hendon Avenue would need to be closed from Yonge & Hendon Intersection to TPSS.



Traffic Management Plan



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 personnel as required to ensure safe flow of multi modal traffic
- Public engagement to communicate traffic plans and to confirm requirements

Project Mobilization



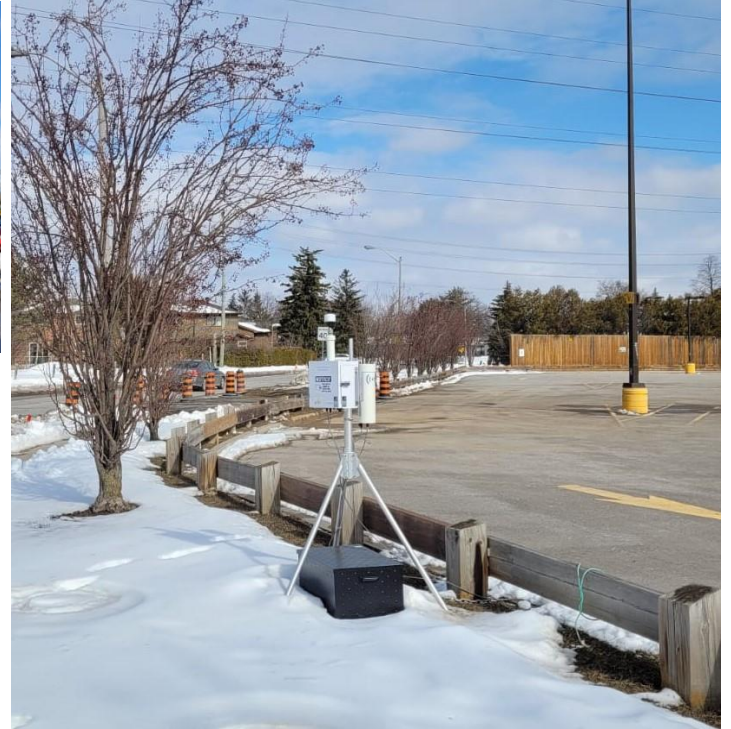
New temporary traffic signal at Hendon & Talbot under construction



Laydown area entrance



Construction site trailer



Noise and vibration monitoring equipment at Talbot exit

Talbot Exit Construction

New temporary Talbot exit construction;
new temporary traffic signal installation
(Hendon & Talbot)

Comprehensive safety plan:

- Dedicated traffic police during rush hour
- Construction site-specific safety plan that includes comprehensive safety details and standards for work to begin or continue
- Regular monitoring of safety precautions to ensure high standards are met



Look Ahead

- Construction on Hendon Avenue
- Closure of Hendon Avenue westbound lane
- Working closely with TTC to start work in TTC facilities including the traction power substation, transformer room and in Finch Station tail track



We're here for the community

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

- Any impacts to roads, traffic or transit are being 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-date on plans and construction happening in the community.



THANK YOU