

Finch West LRT Newsletter



Coming in 2020:

Relocating above and underground utilities

Installing support of excavation for the Finch West Station

Constructing the Maintenance and Storage Facility (MSF)

Highway 400 Rapid Bridge Replacement

Recent work on the Highway 400 bridge shows how fast – and efficient – new techniques for construction have become.



Highway 400 Rapid Bridge Replacement

One of the most fascinating and complex parts of the Finch West Light Rail Transit (LRT) project is the innovative 'Rapid Bridge Replacement' method being used by the project engineering team at Mosaic Transit Group (the project constructor) to replace the Highway 400 Bridge over Finch Avenue. The method is safe, fast and reduces the duration of traffic disruptions to motorists from many years to a few weekends and night lane closures.

Our contractor is building two new Highway 400 decks in staging areas near the highway to replace the existing

ones, with very little impact on traffic.

The replacement will take place over two separate weekends. Our contractor will work on one side of the overpass at a time to safely remove an existing bridge deck and then move a new one into place using self-propelled modular transporters (SPMTs). To safely complete the replacement work, sections of Finch Avenue West and Highway 400 will be temporarily closed. Details about the closure will be communicated once they are finalized and approved.



Building Up Finch West Take Out, Take Care, Be Safe

The Islands Caribbean Cookshop

York University Student Centre
4700 Keele Street, Unit 107 D

A "100 percent homegrown" Jamaican team is responsible for The Islands Caribbean Cookshop on the York University campus. With a staff of 15 students who work part-time, they dole out an assortment of island treats. 'Jerk chicken is the most popular and patties follow, especially because they're easy to eat on the run,' says Bradley Chin, partner of the eatery.



Kids DIY Corner

To support our families during an extended school break, the Finch West LRT team is sharing a family friendly video to explain the construction of the surface section of the Finch West LRT and instructions to build trains and tracks using recyclable materials at: www.mosaictransit.com/story.html



Finch West has so much to offer, it's no wonder we're building transit here!

If you are a local business owner and would like to be profiled or mentioned in our newsletter, send us an email at TorontoWest@metrolinx.com and we'll be sure to connect with you.



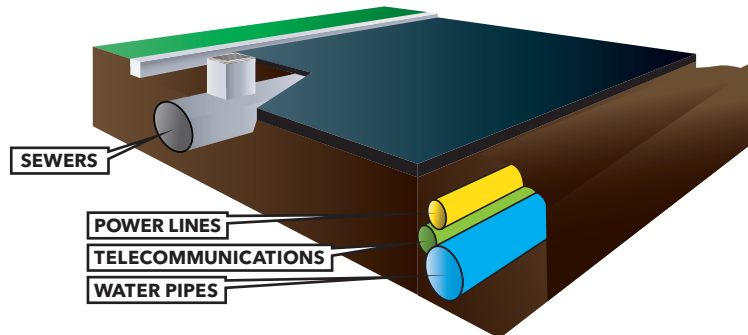
Transforming Finch Avenue West

The Maintenance and Storage Facility (MSF)

The MSF site is designed to meet high environmental standards (LEED Silver Certification) and will feature a green roof and landscaped areas when construction is complete.

A large heated tent allows workers to continue pouring the building's footing and perimeter wall and to install reinforced steel rebars during cold weather.

Located at 50 York Gate Boulevard, across from Yorkgate Mall, the 10,000 sq. metre facility will have capacity for 26 light rail vehicles as well as house a main shop, car wash facility, material storage, offices and 122 parking spots.



Making Way for the Finch West LRT

To make way for the construction of the LRT station and stops, underground utilities and pipes must be moved from under where the new transit line will run.

What You Don't See

Sewers: Used to carry wastewater and storm-water from properties and catchbasins to a treatment plant. Mosaic, our constructor, is working with the City of Toronto, to relocate storm sewers located under the LRT route on Finch Avenue West, from east of Tobermory Drive to Romfield Lane.

Water Pipes: Bring potable water to homes and businesses via existing watermains buried below Finch Avenue West.

Watermains are being relocated to outside the LRT right-of-way to protect them from damage and make them accessible for repairs when the LRT is in operations.

Power Lines: Working with utility companies, new concrete duct banks are installed and existing fibre optic lines and communication cables are rerouted to help run power lines for the LRT.

Telecommunications: Concrete ducts and conduit pipes must be moved outside the LRT right-of-way. The conduit pipes carry telephone wires and fibre optic cables for Internet, TV, and remote monitoring for oil and gas companies.



A Closer Look:

Finch West station is now under construction

The Finch West LRT's underground station is being constructed above the existing Finch West TTC subway station while trains continue to operate below. When complete, it will connect to the subway via an underground pedestrian tunnel.

What's happening?

Crews are drilling holes to install steel piles (large steel beams) to support the excavation of the:

- entrance to the Finch West station
- pedestrian tunnel which connects the LRT and subway stations
- emergency exit for the station
- main station box and portal located below Finch Avenue West, where the trains will eventually run

How are you installing supports?

Over a 12-month period, the crew will:

- twist steel casing pipes into the ground to drill up to 500 holes
- use an auger - a giant-like screw attached to a rig - to remove the soil from each hole
- place a steel beam into the holes and fill them with concrete
- remove the steel casing and leave a strong concrete column underground

This work is happening behind fences installed at the Finch West station's work sites and in the roadway. For public and workers' safety, lane closures or lane reductions will occur. Some TTC bus stops may be moved. Pedestrian access will be maintained.



Please sign up at metrolinx.com/finchwestlrt to receive regular updates about the construction activities in your neighbourhood. **Thank you for your continued patience as we work to build this important project.**

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