

GO Expansion

Metrolinx Community Update: Barrie Double Track-Enabling Project

City of Toronto

November 28, 2023

 METROLINX

FUTURE OF GO TRANSIT

A frequent and fast transit network
for more communities

**Less time
waiting**



**Trains every 15
minutes or better**



**Faster and more
efficient fleet**

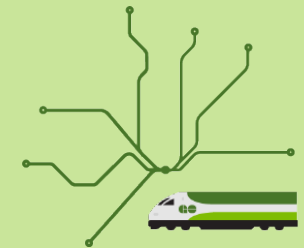


**All-day service,
every day**

**More places
to GO**



**Service in both
directions**



**New, more
accessible stations**

WHAT GO EXPANSION MEANS FOR YOU

THE FUTURE OF GO



GO EXPANSION



- + Travel time savings
- + Less congestion and safer streets
- + Health benefits
- + Savings in car expenses
- + Increased fare revenue
- + Reduction of GHG emissions

Benefits

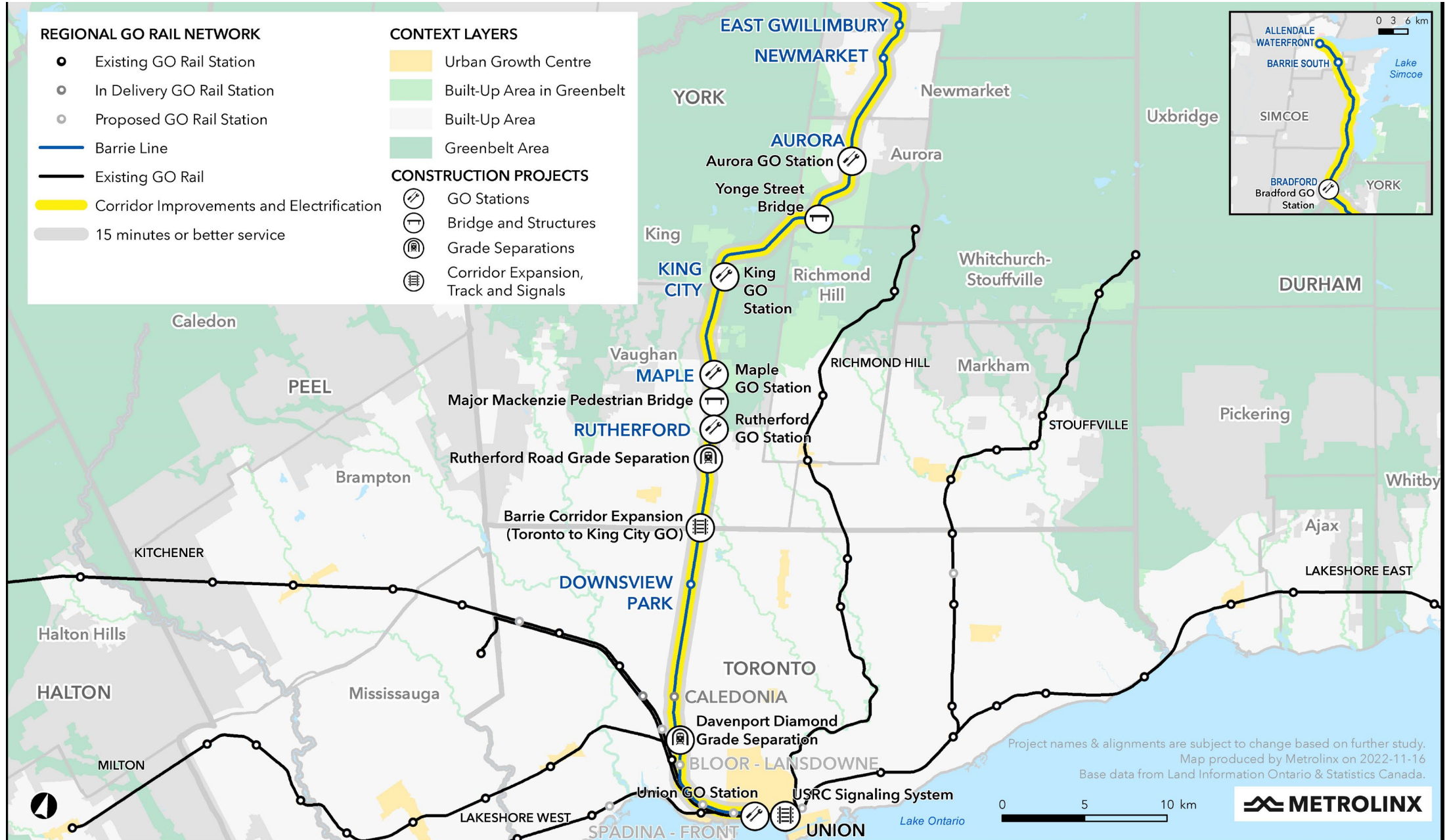
Costs

- + Corridor capital costs
- + Fleet capital costs
- + **Lower operating costs/km**
- + Maintenance costs

=

**For every \$1 invested
in GO Expansion,**
the region benefits by at least
\$2.62*

BARRIE GO EXPANSION CORRIDOR MAPPING



WHAT ARE WE DOING

Metrolinx GO Expansion Program

Metrolinx is working to transform the way the region moves by building a seamless, convenient and integrated transit network across the Greater Golden Horseshoe. Metrolinx is transforming the existing GO rail system to deliver a whole new rapid transit experience to your community. With more frequent train service you will have more options to get where you need to go.

Barrie GO Line Expansion

The Barrie GO Line Expansion will bring all-day, two-way GO service for people across Toronto, York Region and Simcoe County.



THE PROCESS

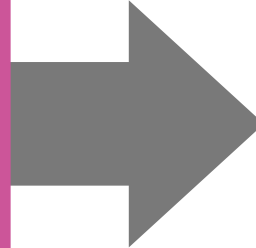
BARRIE RAIL CORRIDOR EXPANSION TRANSIT PROJECT ASSESSMENT PROCESS

Started: 2015, Completed: 2017

The Study identified specific and appropriate rail corridor infrastructure improvements needed to support an increased level of GO train service, including:

- Double Track
- GO Station Upgrades
- Existing Structure Upgrades
- New Train Layover Facility

Four (4) Public Meetings were held to incorporate public feedback, the last Zone 3 Meeting was held in May 2021.



BARRIE DOUBLE TRACK ENABLING WORKS

Started: 2019

Completion:

Planned for 2027



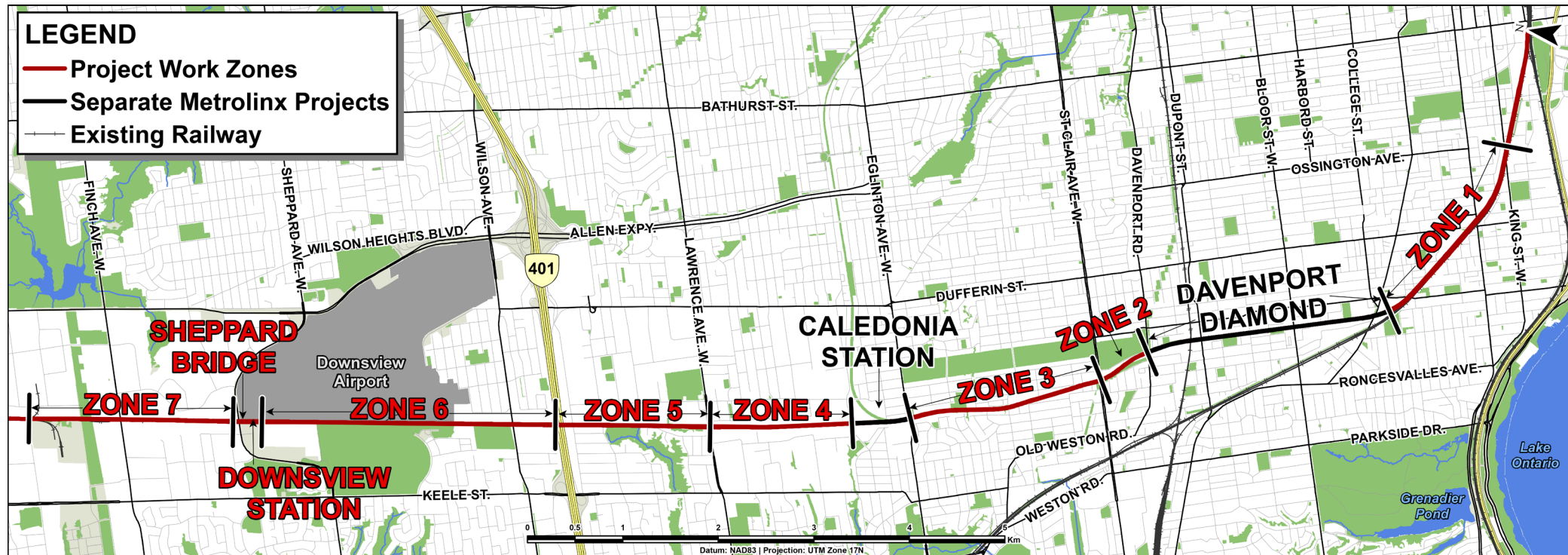
BARRIE DOUBLE TRACK CONSTRUCTION

Construction works planned for the future.

THE PROJECT

Barrie Double Track-Enabling Works (The Project)

The Project includes modifications and upgrades to the existing rail corridor, that will allow for a second set of tracks to be installed in the future. The Project Area is within the City of Toronto, and is organized into seven zones, with two additional sites, Sheppard Bridge and Downsview Station. Different zones will be constructed at different times, between 2020 and 2027.



CONSTRUCTION SCHEDULE

Project: 2020 – 2027



Zone 1

Completed



Zone 2

Planned
2024 – 2025



Zone 3

In Progress
2023 – 2026



Zone 4

Completed



Zone 5

In Progress
2020 – 2023



Zone 6

Completed (Minor works remaining)



Zone 7

In Progress
2023 – 2026



Downsview

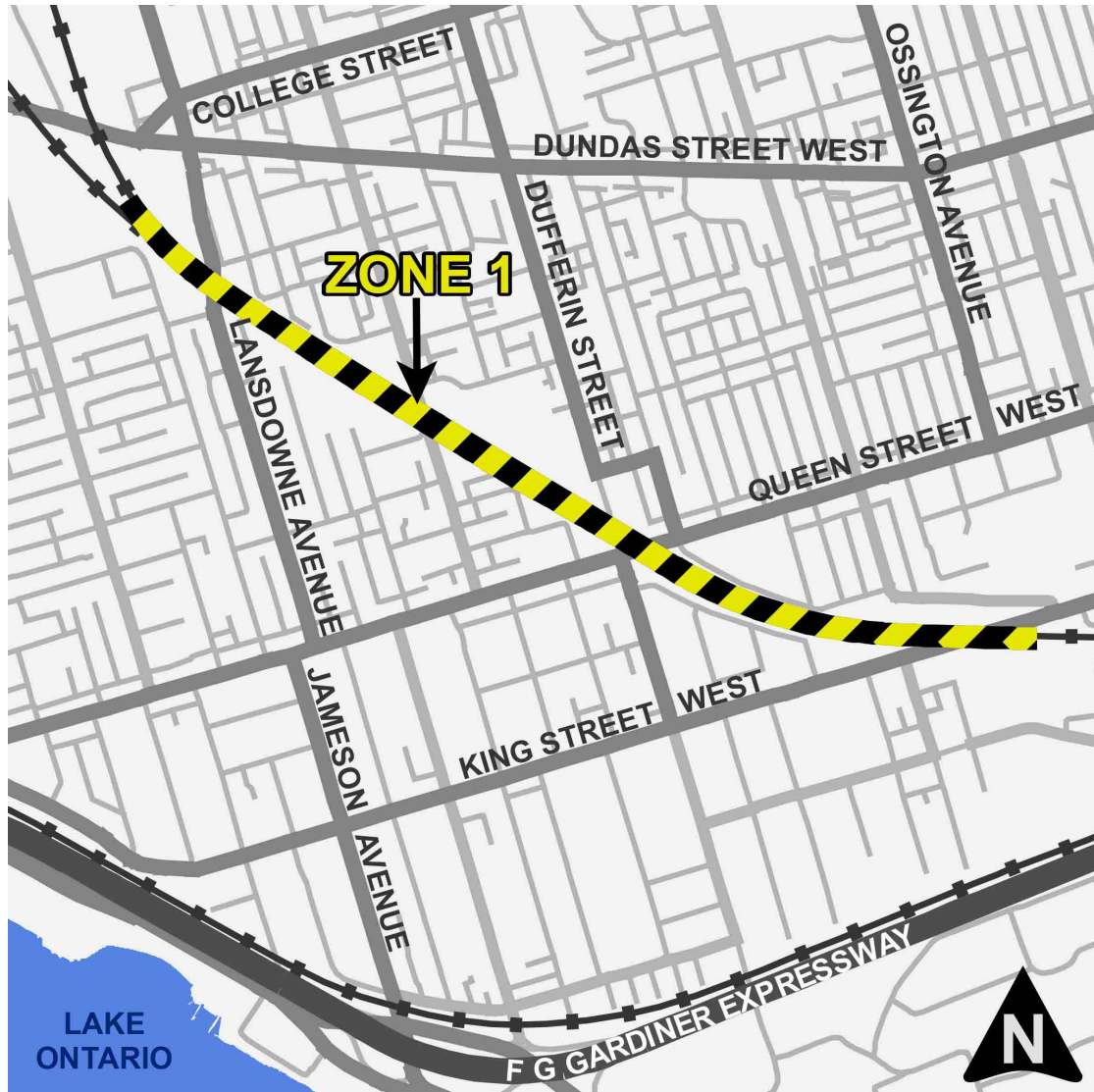
In Design Phase
2025 – 2027

St. Clair W to Eglinton W – Construction Schedule and Activities:

2023 to 2026:

- Grading and Drainage
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence
- Utility Relocation and Protection
- Private Tree Removals/Injuries
- Pruning and Removal of Select Vegetation

Zone 1: King St. W to Dundas St. W

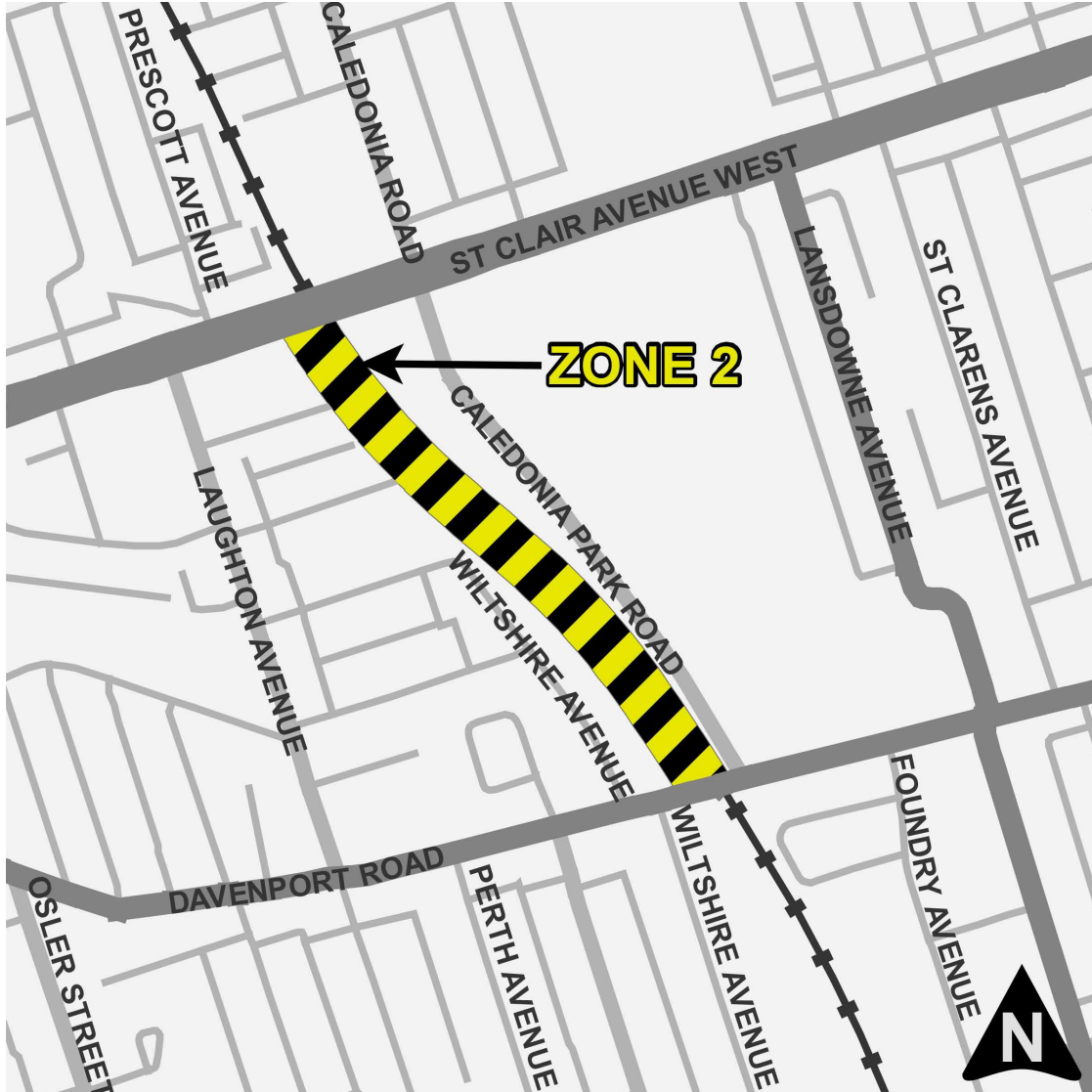


Completed Works:

- Construction Access Roads
- Pruning and Removal of Select Vegetation
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence



Zone 2: Davenport to St. Clair W

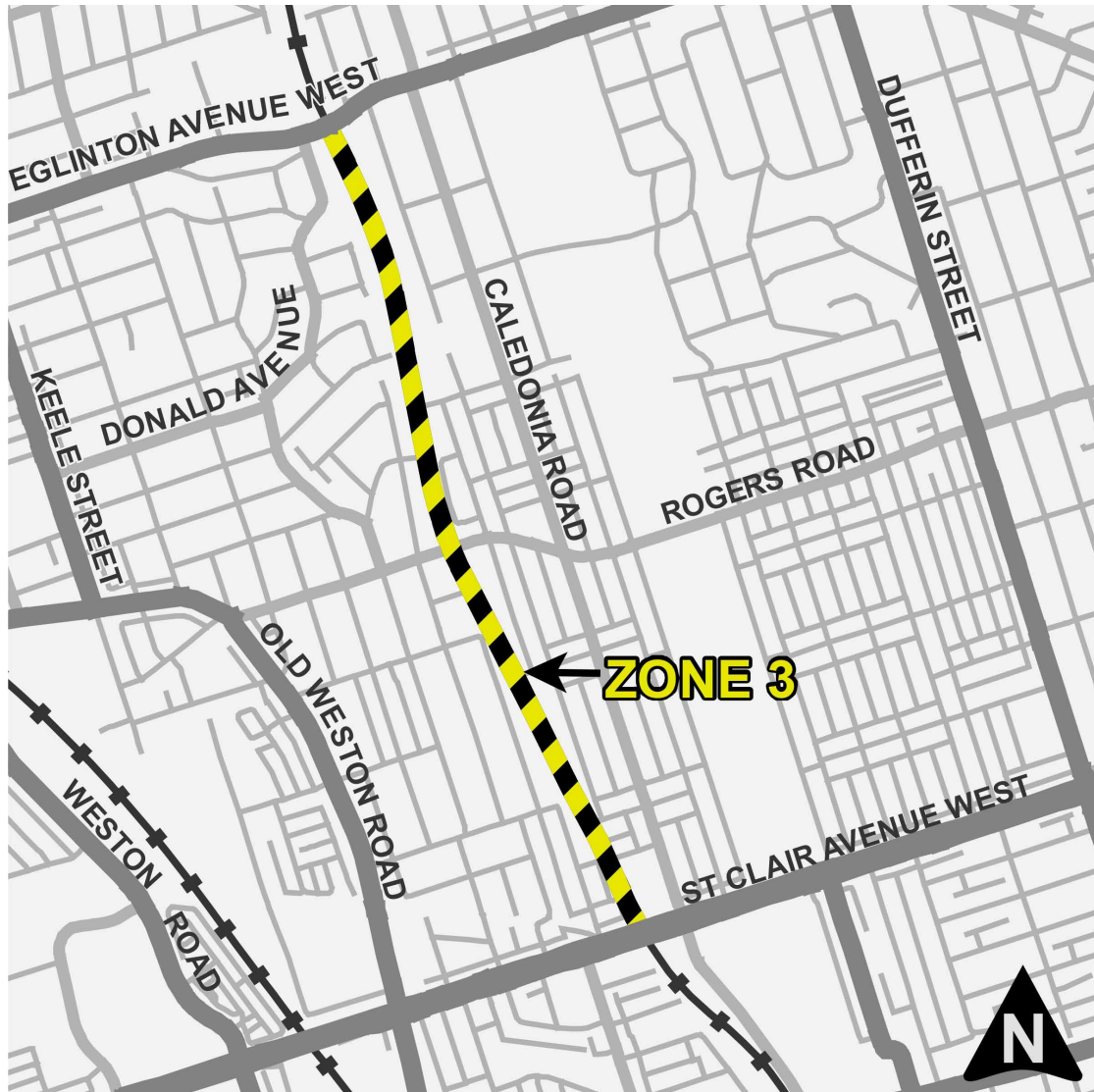


Planned Works:

- Grading and Drainage
- Pruning and Removal of Select Vegetation
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence



Zone 3: St. Clair W to Eglinton W



Completed Works:

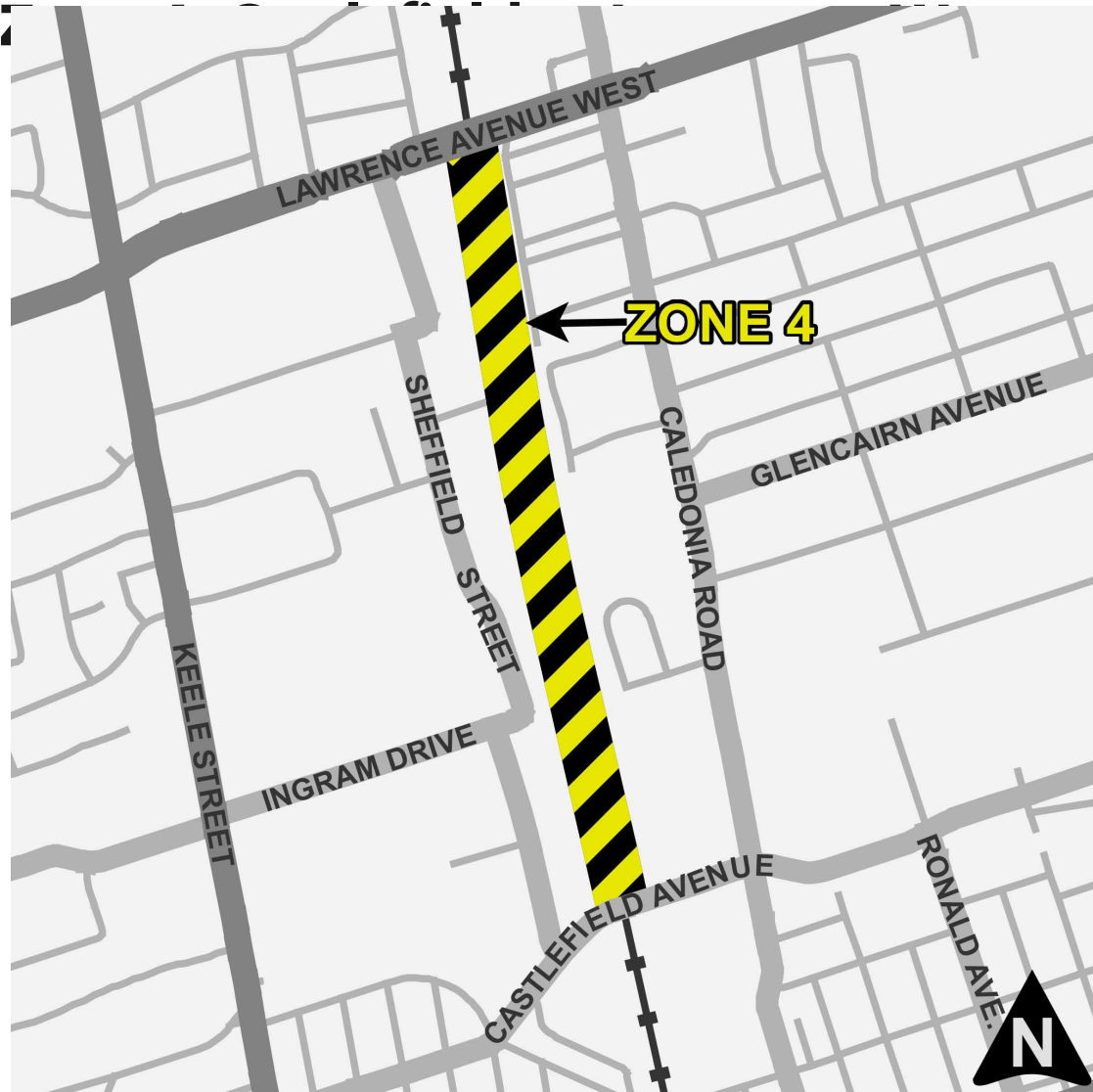
- Pruning and Removal of Select Vegetation
- Construction access roads

In Progress Works:

- Grading and Drainage
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence
- Utility Relocation and Protection



Noise Wall Pattern in Zone 3



Completed Works:

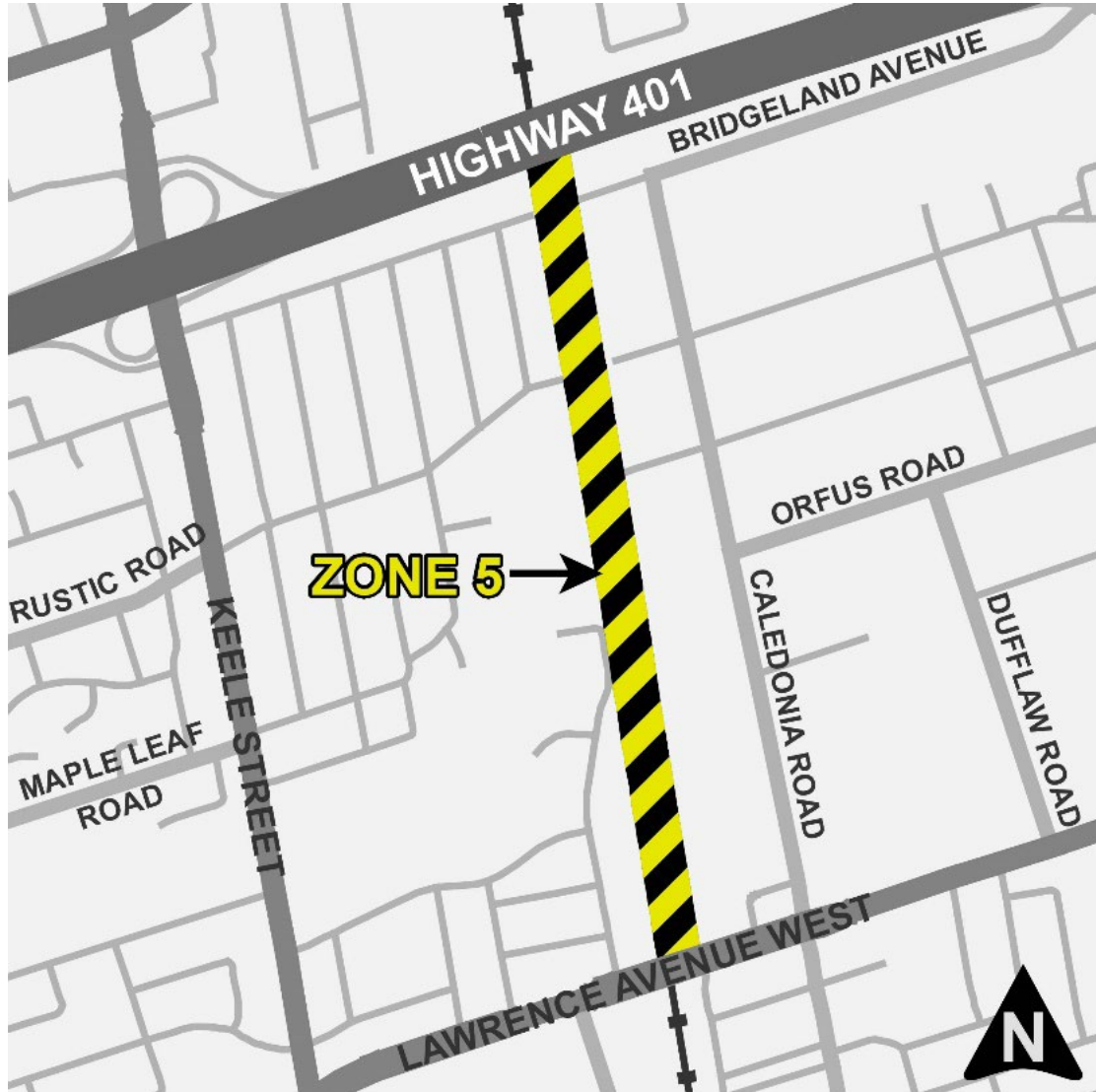


- Pruning and Removal of Select Vegetation
- Grading and Drainage
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence
- Utility Relocation and Protection



Noise Wall Pattern in Zone 4

Zone 5: Lawrence W to Highway 401



Completed Works:

- Pruning and Removal of Select Vegetation
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence
- Utility Relocation and Protection

In Progress Works:

- Grading and Drainage



Noise Wall Pattern in Zone 5

Zone 6: Highway 401 to Sheppard W



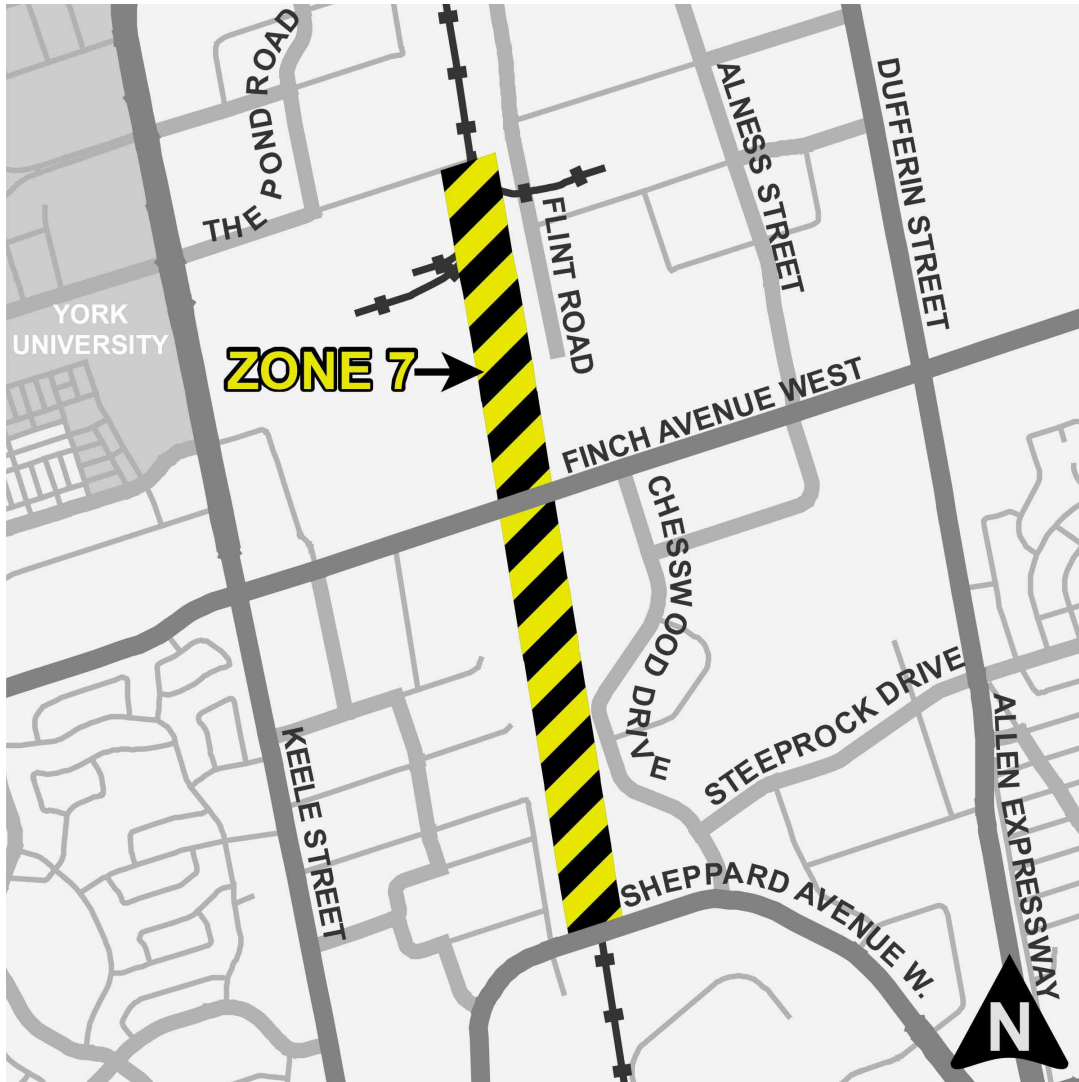
Completed Works:

- Pruning and Removal of Select Vegetation
- Grading and Drainage
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence
- Utility Relocation and Protection



Noise Wall Pattern in Zone 6

Zone 7: Sheppard W York University



In Progress Works:

- Pruning and Removal of Select Vegetation
- Grading and Drainage
- Noise Barrier Wall with Anti-Graffiti Coating
- High Security Fence
- Utility Relocation and Protection



Downsview Station West Platform



Planned Works - In Design Phase:



- New West Platform
- Additional Works Under Consideration



CONSTRUCTION

How will the noise wall barrier be built?



1. Post Installation



2. Panel Placement



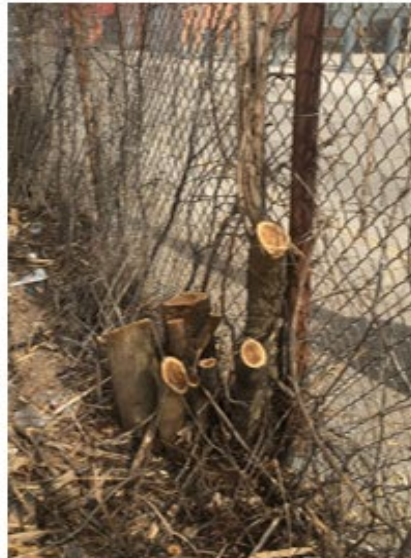
3 & 4. Noise Barrier Wall Construction



CONSTRUCTION

What activities will happen during construction?

- Management of dead and overgrown vegetation within the corridor and access routes.
 - Some private trees will require trimming or removals. Removed trees will be compensated according to City of Toronto and Metrolinx Vegetation Guidelines/By-laws.
 - Metrolinx will contact directly any affected property owners where private tree removals are required.
- Grading the ground and preparing to install retaining walls and other infrastructure.
- Installation of noise barrier wall posts and panels.



CONSTRUCTION

What activities will happen during construction?

- Delivery and placement of gravel material in the rail corridor.
- Relocation of utilities and upgrades to drainage infrastructure, including culvert and sewer works.
- Installation of security fences.
- Replanting of vegetation ground cover on disturbed soils.






CONSTRUCTION

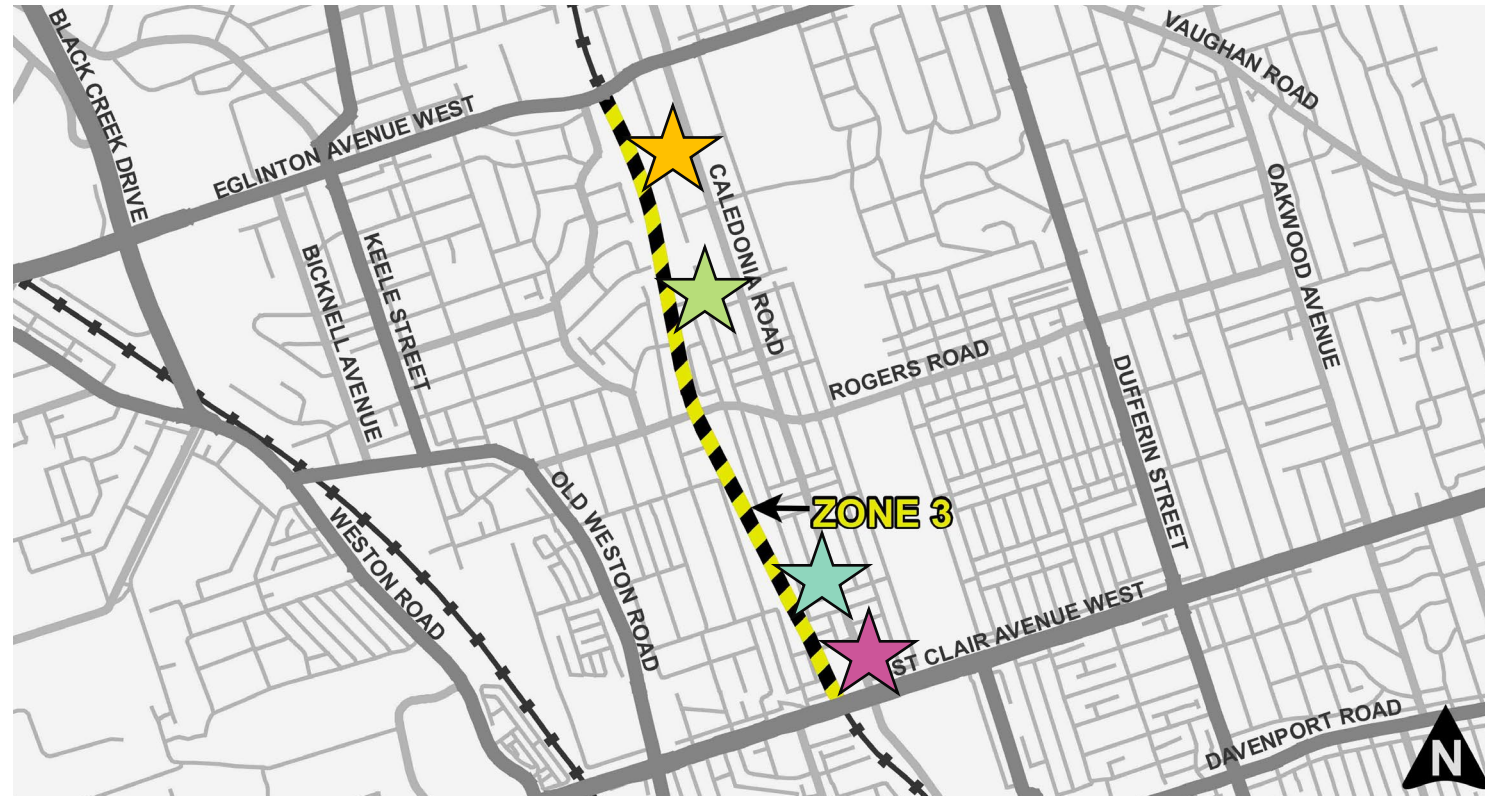
What to expect during construction?

Traffic Circulation:

- All work will be done within the rail corridor, with designated access points for construction staff.
- There should be minimal impacts to traffic.

Access Points

-  Keith Avenue
-  Bronoco Avenue
-  Norman Avenue
-  Caledonia Road



CONSTRUCTION

What to expect during construction?

- **Noise and Vibration:** Expect perceivable noise and vibration that is typical of construction activities. Noise levels will be managed within regulatory requirements. Vibration levels have been assessed to be below what could damage property. Noise and Vibration are assessed on a weekly basis.
- **Dust:** Mitigation measures will be applied for dust suppression, using machinery such as street sweepers.
- **Erosion and Sediment:** Controls are in place and monitored regularly to prevent erosion and sedimentation, and to protect vegetation and private property.
- **Monitoring:** Regular environmental inspections include but are not limited to noise, vibration, dust, tree protection, and erosion and sediment control measures.
- **Property Access:** Metrolinx will notify property owners if any property access is required.



COMMUNICATIONS

Construction Notice

- We do our best to provide our neighbours with advance notice of construction notice.
- We will contact you in advance if we anticipate any impacts to transit users, pedestrians, traffic, residents, or the public, related to:
 - Lane closures
 - Removals on private property (trees, fences, sheds, etc.)
 - Night work
 - Track closures

Email Distribution Updates

- We have an email distribution list, where we provide updates on project and construction activities. We encourage you to sign up!

Contact Information

- Questions or comments? Contact torontowest@Metrolinx.com
- (416) 202-6911
- Contact information will also be posted at the construction site.

Social Media

- Follow X, formerly Twitter @GOExpansion
- Follow Instagram @GOExpansion



