

Metrolinx Community Update: Barrie Double Track-Enabling Project

City of Toronto

June 15, 2021

LAND ACKNOWLEDGMENT

Metrolinx wishes to recognize that it operates on the traditional territories of the Anishnabeg, the Haudenosaunee and the Wendat Peoples.

In particular, we acknowledge that the Barrie Double Track Enabling Work project takes place on Treaty 13 territory of the Mississaugas of the Credit First Nation.

We acknowledge that Metrolinx operates on these lands and has a responsibility to work with the original keepers of this territory and the many diverse Indigenous Peoples living here today.

Metrolinx remains committed to engaging with Indigenous Peoples and Nations on these projects.

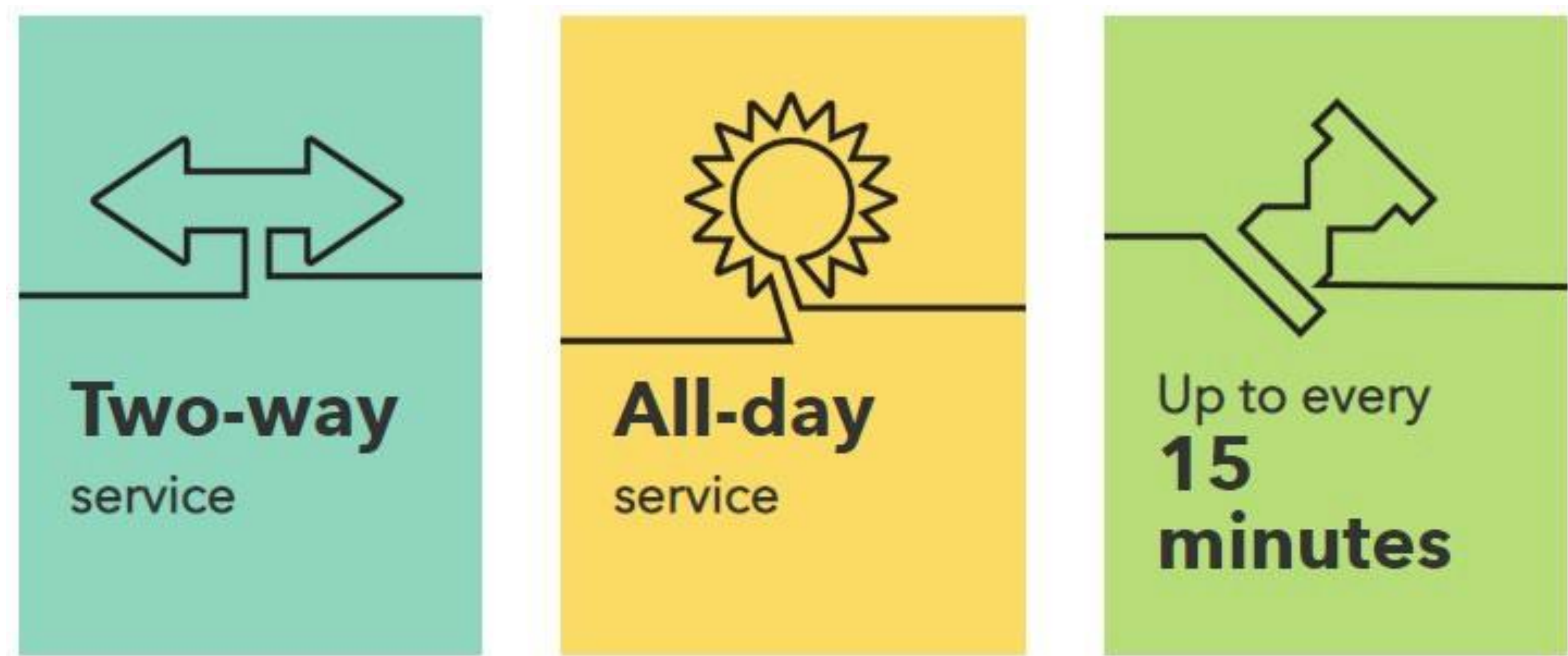
WHAT ARE WE DOING

Metrolinx GO Expansion Program

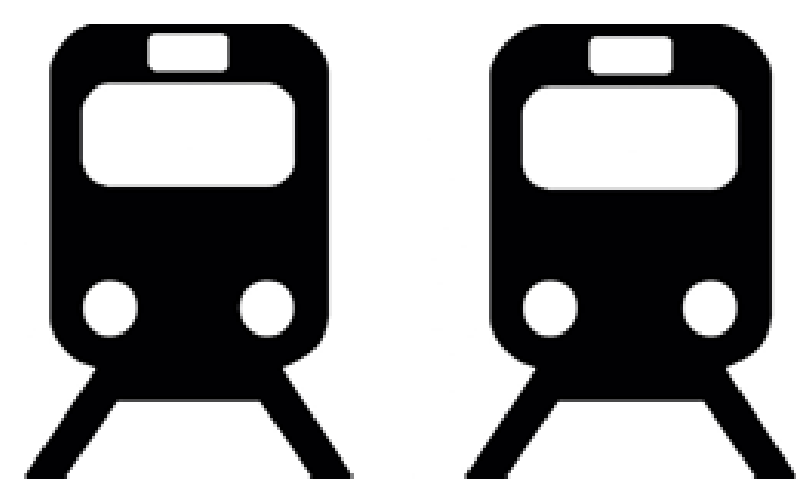
Metrolinx is working to transform the way the region moves by building a seamless, convenient and integrated transit network across the Greater Golden Horseshoe. Over the next 10 years, Metrolinx is transforming the existing GO rail system to deliver a whole new rapid transit experience to your community. 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.



GO EXPANSION BACKGROUND: PERSONAL AND REGIONAL BENEFITS



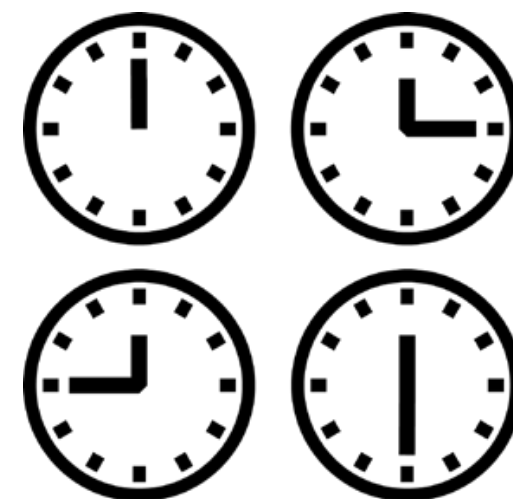
MORE TRIPS

6000 weekly trips
2x as many rush-hour options.
3x as many off-peak options



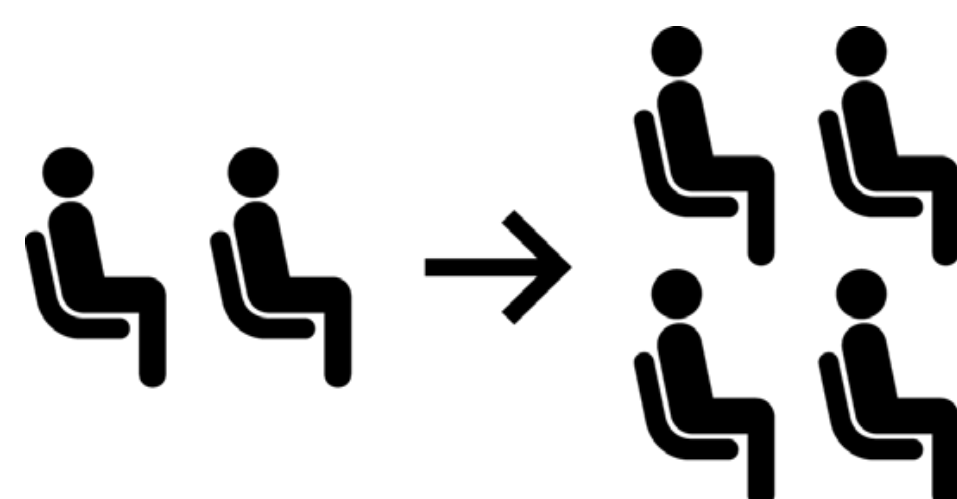
FASTER TRAVEL

Electric trains **accelerate and decelerate faster**.
Introduction of **additional express** services saving 20min per day



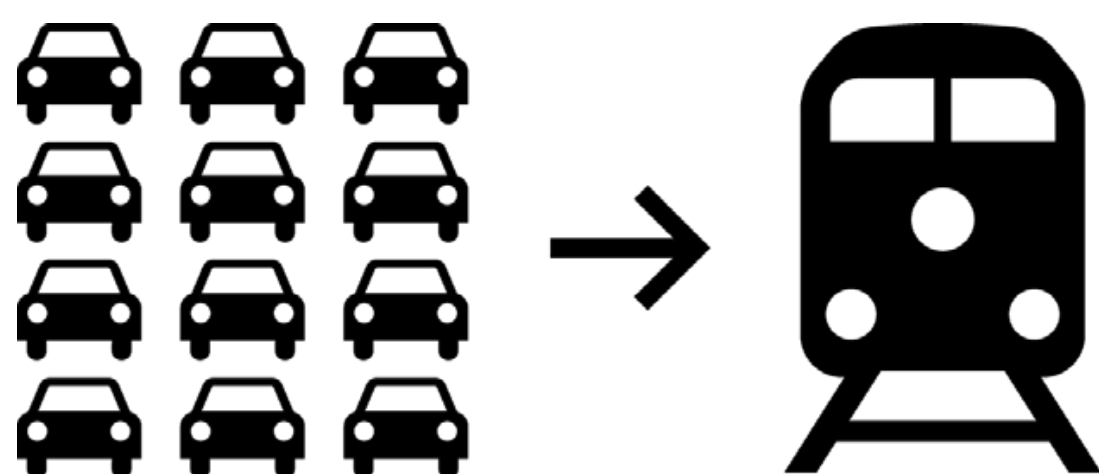
HIGH FREQUENCY

No need to check a schedule with service **every 15 minutes** or better, in both directions, all day



MORE CAPACITY

Doubling regional commuter capacity equivalent to **nine highways the size of the 401**



REDUCED CONGESTION

More trains = reduced congestion across the **region**, **taking close to 145,000 car trips per day, off the road**



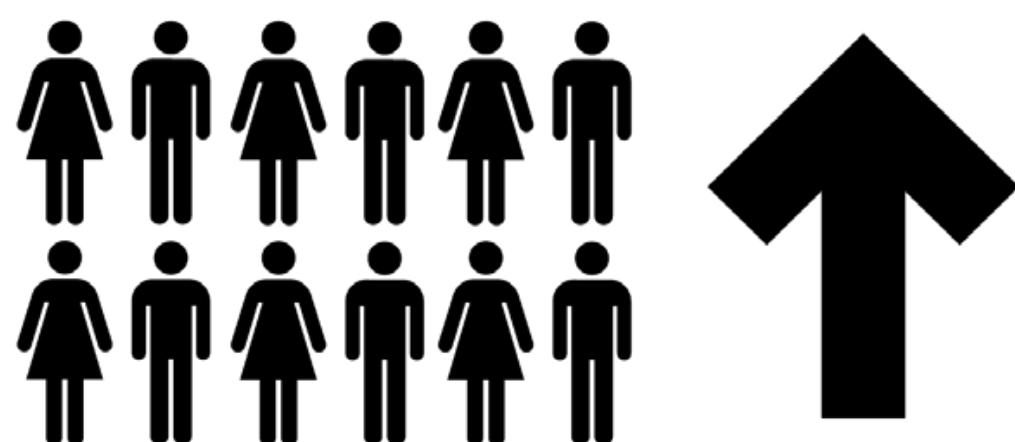
CREATE JOBS

An estimated **8,300 annual jobs** created for the first 12 years of delivery will be created over the lifecycle of the program



SAVES TAXPAYERS MONEY

All operating costs covered with fare box revenue. **GO Rail revenues will exceed 110%** of operating costs over the next 60 years



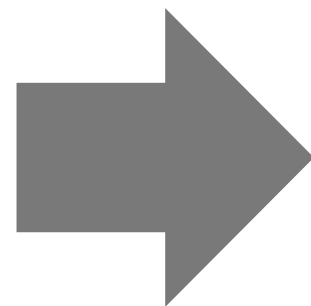
INCREASED RIDERSHIP

More options and faster trains will increase peak and off peak service. **By 2055, annual ridership will exceed 200 million.**

THE PROCESS

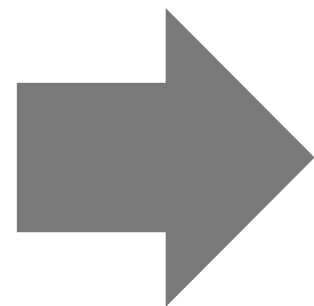
GO Expansion Program

- Started: 2014
- Improved rail service in both directions, on five of the seven GO rail corridors, including Barrie Corridor



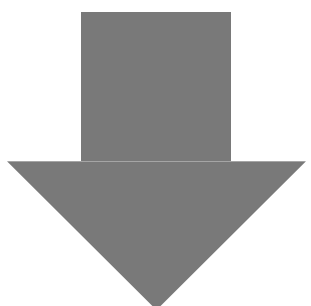
Barrie Rail Corridor Expansion Transit Project Assessment Process

- 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
- Three (3) Public Meetings were held to incorporate public feedback



Barrie Double Track-Enabling Works

- Started: 2020
- Completion: Planned for 2024



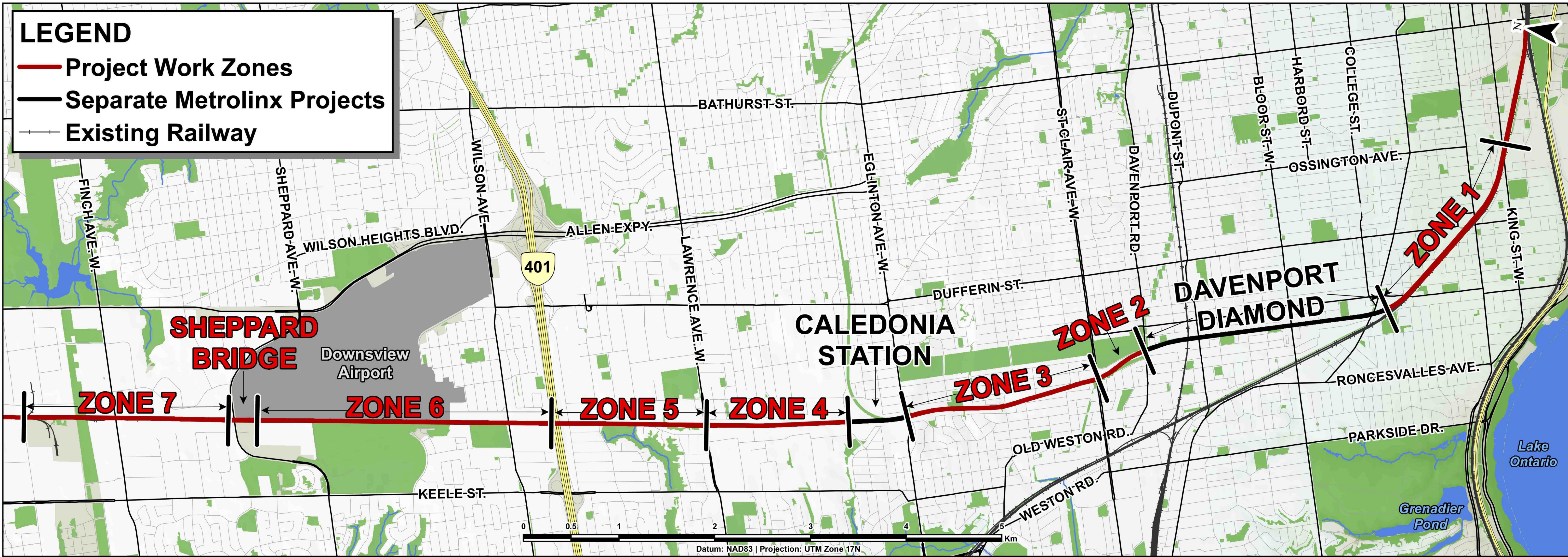
Barrie Double Track Construction

- 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. Different zones will be constructed at different times, between 2020 and 2024.



CONSTRUCTION SCHEDULE

Project: 2020 - 2024

- Zone 1: 2020 - 2021
- Zone 2: 2022 - 2023
- **Zone 3: 2021 - 2022**
- Zone 4: 2021 - 2022
- Zone 5: 2020 - 2022
- **Zone 6: 2021 - 2022**
- Zone 7: 2022 - 2022

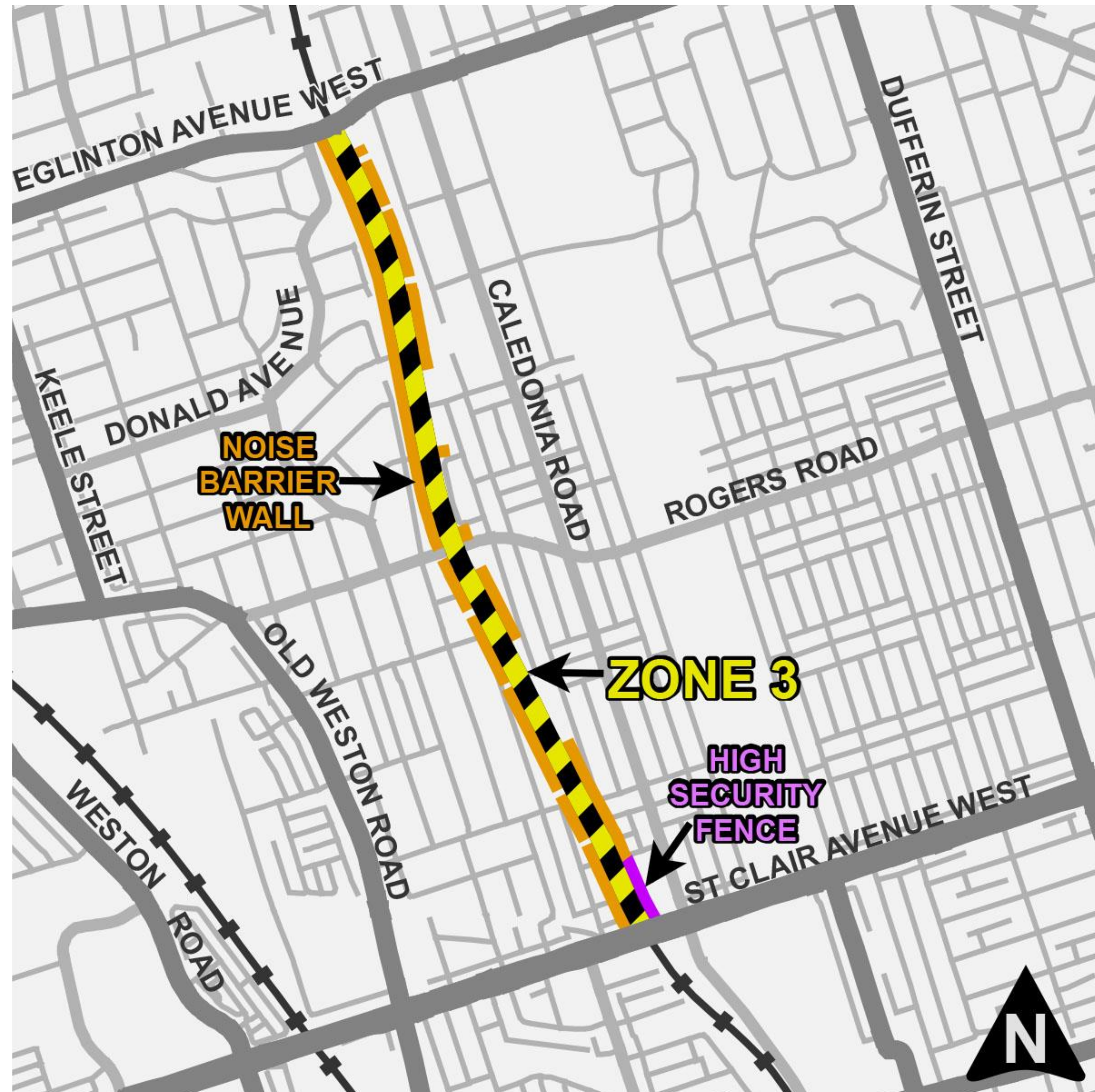
St. Clair to Eglinton tentative construction schedule and activities:

- Fall 2021 to Fall 2022: Noise Barrier Walls
- Summer 2021 to Fall 2022:
 - Grading Works
 - Retaining Walls
 - High Security Fence

Highway 401 to Sheppard tentative construction schedule and activities:

- Summer 2021 to Fall 2022: Noise Barrier Walls
- Spring 2021 to Fall 2022
 - Grading Works
 - Retaining Walls
 - High Security Fence

THE PROJECT



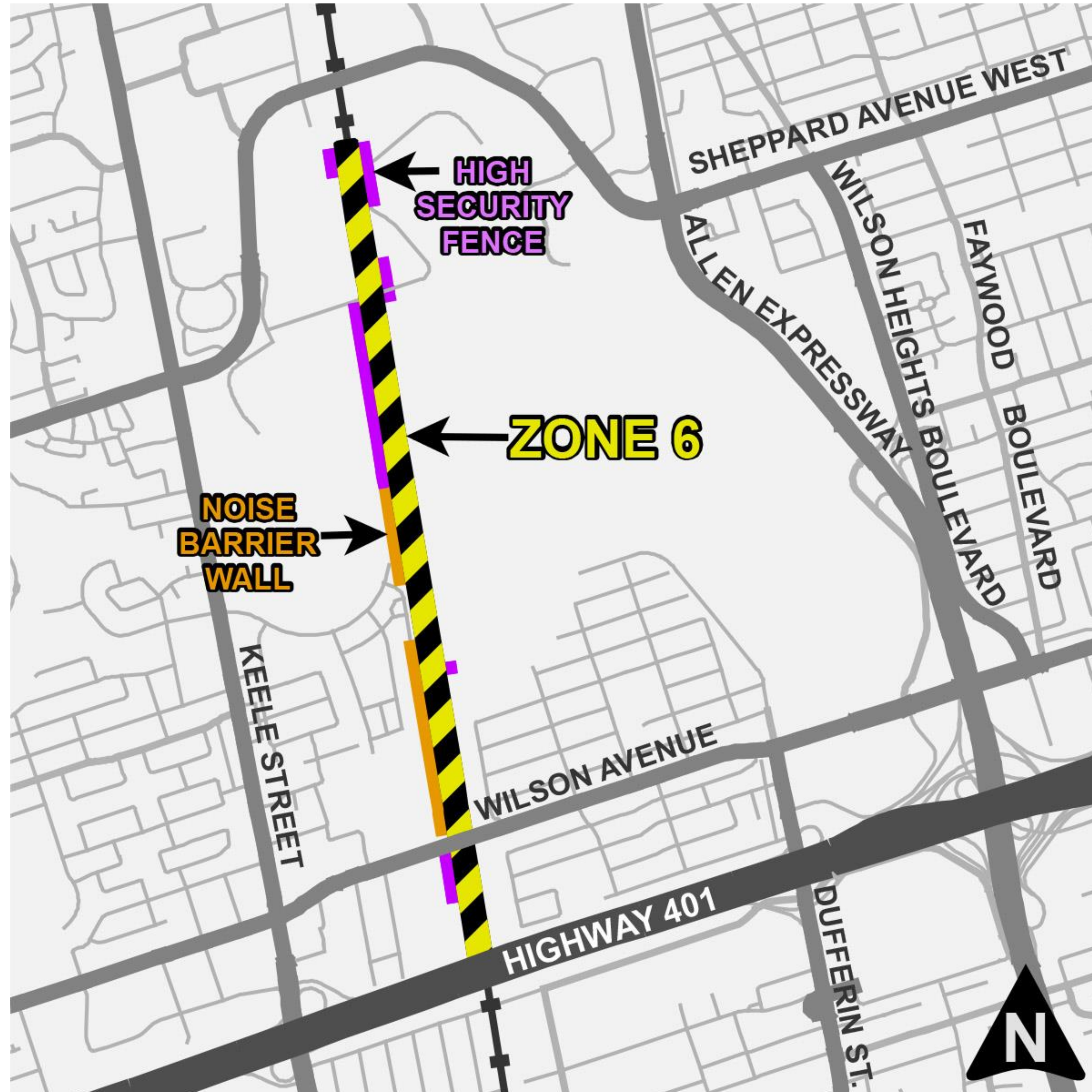
St. Clair to Eglinton work includes:

- Clearing and Grubbing
- Grading and Drainage
- Noise Barrier Wall with Anti-Graffiti Coating
- Integrated Retaining Wall and Noise Barrier Wall
- High Security Fence East of Corridor
- Storm Sewer and Culvert Installation
- Utility Relocation and Protection



Noise Wall Pattern in Zone 3 and Zone 6

THE PROJECT



Highway 401 to Sheppard work includes:

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



CONSTRUCTION

How will the noise barrier wall be built?



1. Post Installation

2. Panel Placement

3 & 4. Noise Barrier Wall Construction

CONSTRUCTION

What activities will happen during construction?

- Removal of existing vegetation (clearing and grubbing)
 - Some private trees will require trimming or removals. Removal trees will be compensated according to vegetation guidelines.
 - 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

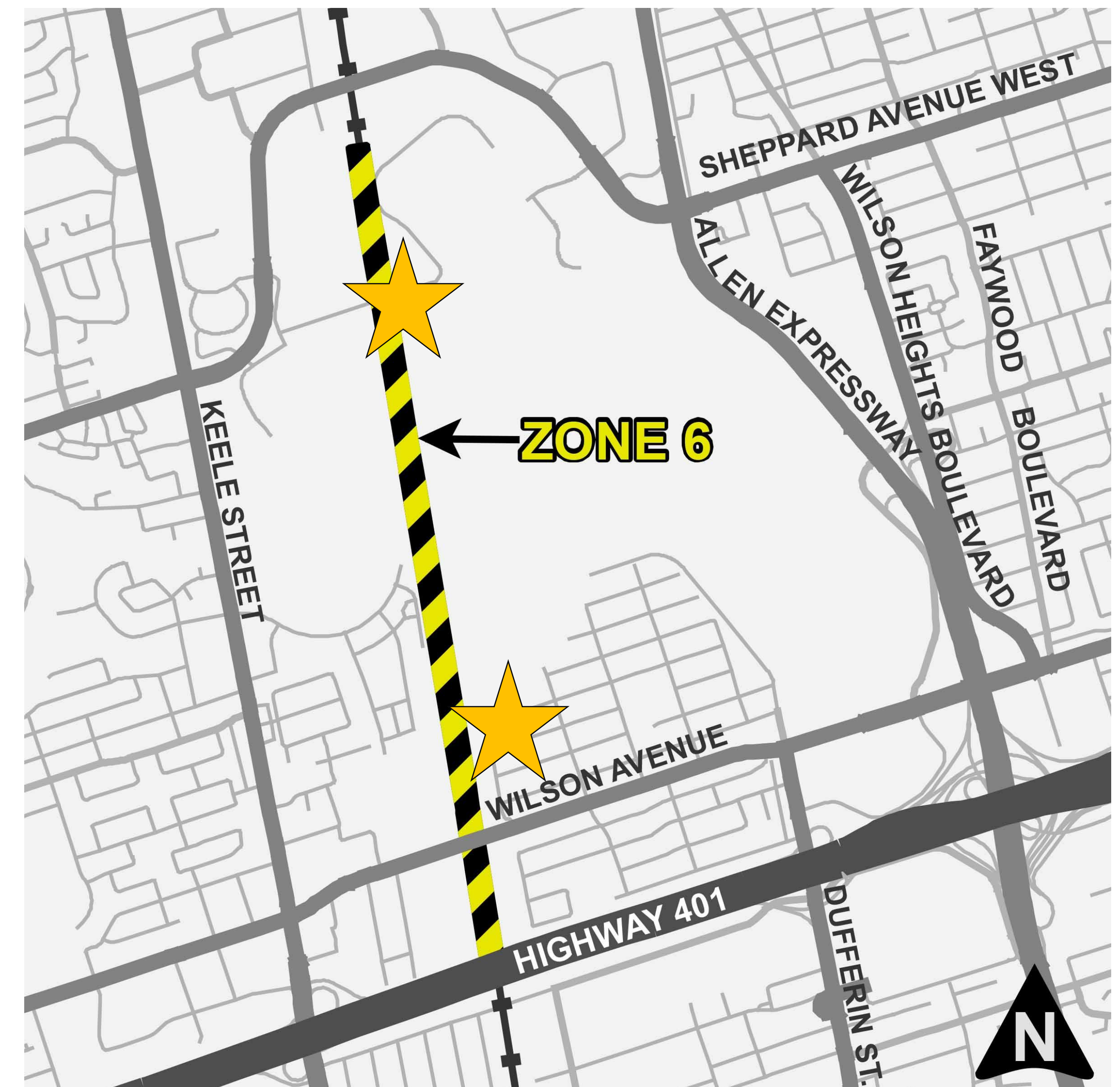
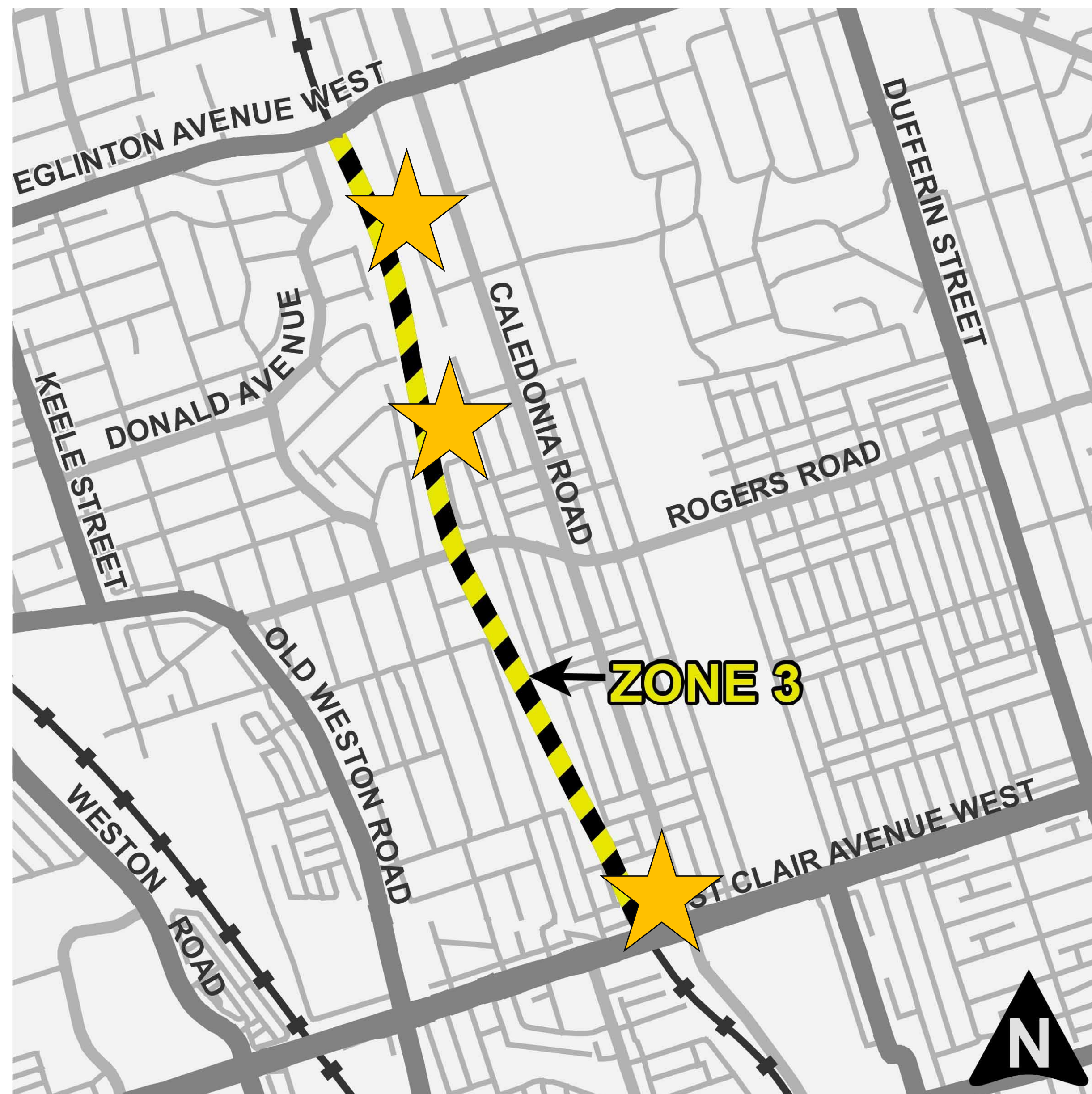


CONSTRUCTION

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



CONSTRUCTION

What to expect during construction?

- **Noise and Vibration:** Expect perceivable noise and vibration that is typical of construction activities. Noise levels managed to be within regulatory requirements. Vibrations levels assessed to be below what could damage property.
- **Dust:** Mitigation measures will be applied for dust suppression.
- **Erosion & Sediment:** Controls in place to prevent erosion and sedimentation.
- **Monitoring:** Regular environmental inspections.
- **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 work.
- 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

Contact Information

- Questions or comments? Contact:
torontowest@metrolinx.com

416-202-6911

Contact information will also be posted
at the construction site.

- Follow @GoExpansion for updates
- Check metrolinx.com/barrie

Email Distribution Updates

- We always welcome new email addresses on our email distribution list to provide updates on project and construction activities.

