

Hurontario Light Rail Transit Project

# **Construction Liaison Committee Cooksville & Mississauga Centre**

**APRIL 2021**



# AGENDA: APRIL 2021

- Welcome & Introductions
- Land Acknowledgement
- Safety Moment
- Construction Overview
- Cooksville: Construction Update
- Mississauga Centre: Construction Update
- Traffic and Transit Management
- Tree Protections & Removals
- Communications and Community Partnerships
- Round Table Discussion



# LAND ACKNOWLEDGEMENT

Let us take a moment to acknowledge that we are on the traditional territory of many nations. In particular, the Mississaugas of the Credit, the Anishnabeg (ah-nish-nah-bay), the Haudenosaunee (ho-deh-noshow-nee) and the Wendat (when-dat) peoples. We acknowledge that Metrolinx operates on these lands and has a responsibility to work with the original keepers of this territory and the many Indigenous Peoples living here today.

**Safety Moment**



# CONSTRUCTION SITE AWARENESS

Safety is our number one priority.

Ensuring that everyone gets home safe at the end of each day is a shared commitment that we take very seriously.

This commitment can only be achieved in partnership with the staff on the job site and the broader community impacted by our work.

Metrolinx and Mobilinx promises to do our part by ensuring our work sites are kept clean, safe, and secure through regular safety focus audits and site inspections.

We are also committed to ensuring that the appropriate signage is in place to provide advanced communication about potential hazards for motorists, cyclists, and pedestrians to make informed decisions when travelling near construction sites.



# Construction Overview



# CONSTRUCTION ACTIVITIES

## 2020

- ✓ Pre-condition and legal surveying
- ✓ Boreholes, Geotechnical, and Test Pits investigations
- ✓ Sub Surface Utility Engineering
- ✓ Removal of most medians from Hurontario Street
- ✓ Installation of temporary traffic signals
- ✓ Construction at OMSF building
- ✓ Constructing foundational columns at the 407-overpass
- ✓ Tree protections, trimming, and removals
- ✓ Utility relocations

## Early 2021

- Installation of Temporary Traffic Signals
- Removal of remaining medians at intersections
- Mobilization at Port Credit Station and Mary Fix Creek
- Tree protections, trimming and removals
- Utility relocations

## Summer 2021

- Roadways, curbs, sidewalks
- Demolition of existing parking lot bridges at Mary Fix Creek
- Excavation and shoring for push box at Port Credit Station





# CONSTRUCTION OVERVIEW





# CONSTRUCTION OVERVIEW







# OPERATIONS MAINTENANCE STORAGE FACILITY (OMSF)





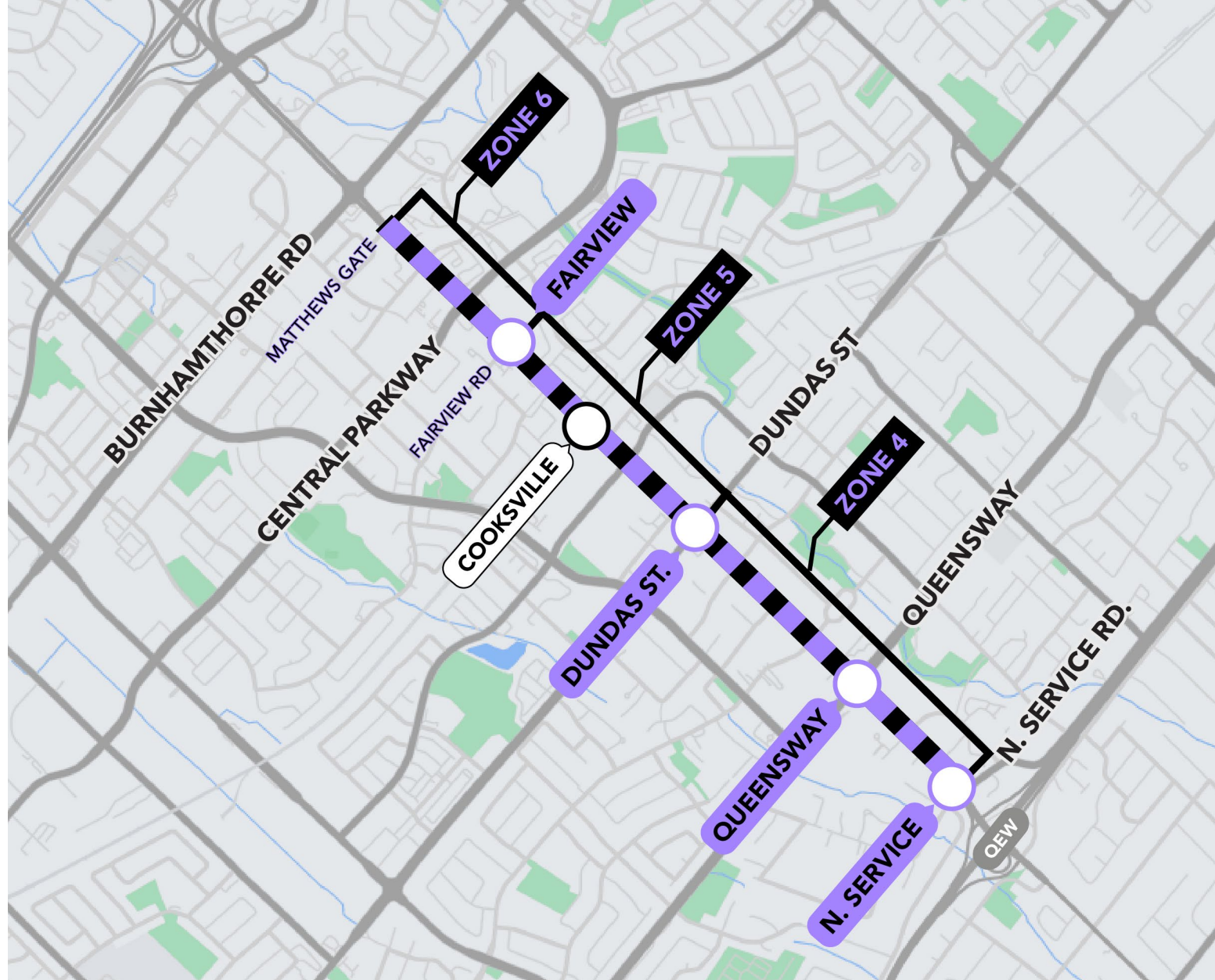
# **Cooksville: Construction Update**

# COOKSVILLE WORK ZONES

Work Zone 4 - North Service Road to Dundas Street

Work Zone 5 - Dundas Street to Fairview Road

Work Zone 6 - Fairview Road to Matthews Gate





# COOKSVILLE CONSTRUCTION

- Geotechnical and Environmental Testing began this spring, providing information on soil and ground conditions to determine most appropriate method of construction specific to the area.
- Installation of temporary traffic signals began this Spring and is currently happening between Bronte College Ct. and Dundas St. The intersections at Queensway, Paisley, King Street and Dundas will follow and are expected to be completed by this Summer.
- Remaining median removal at Queensway is tentatively scheduled for late April.
- An Enbridge natural gas line is currently being relocated on the Queensway West at Hurontario Street. The work is expected to be completed in three months.
- Utility relocations and roadway work is expected to begin this June.

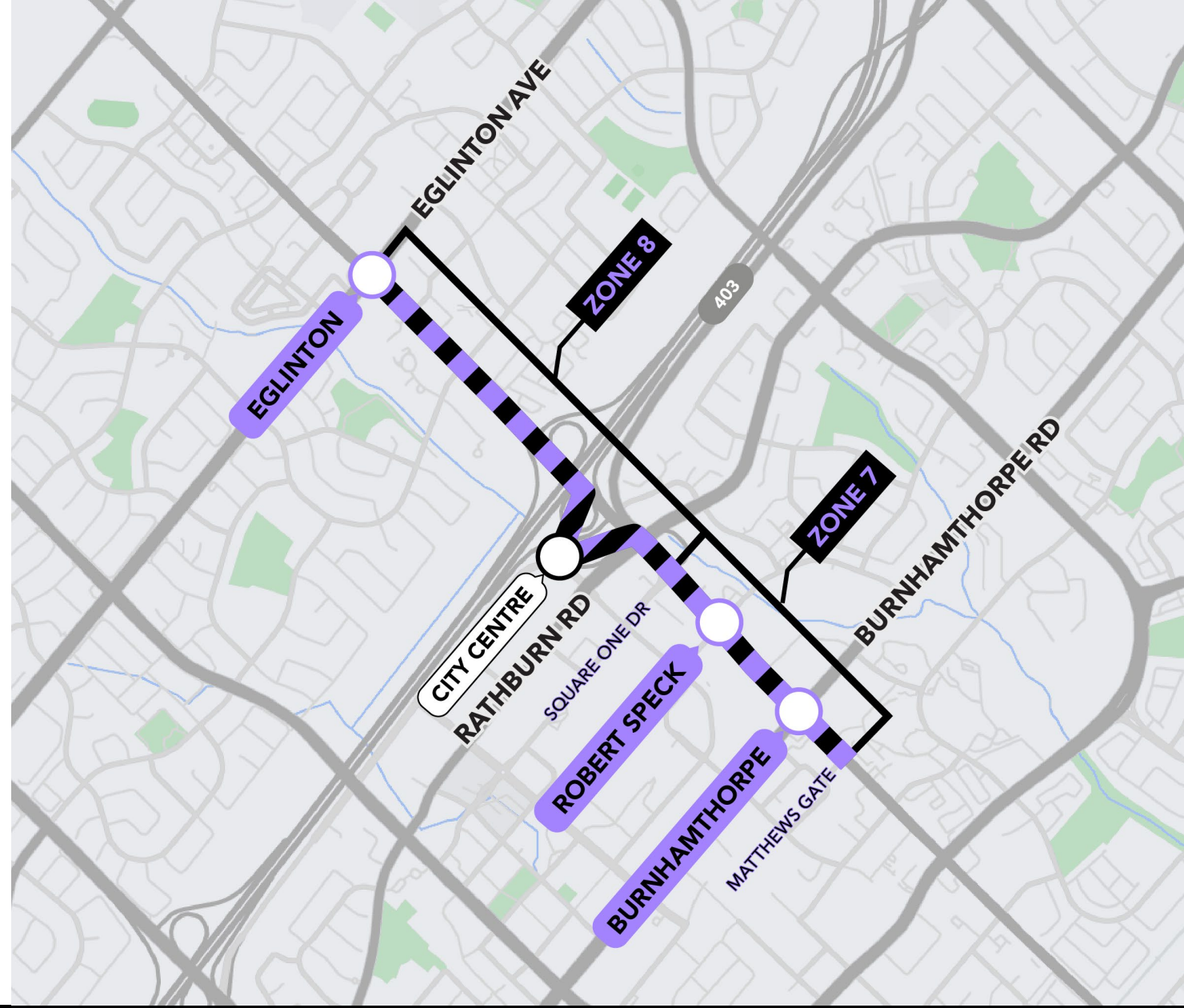


# **Mississauga Centre: Construction Update**

# MISSISSAUGA CENTRE WORK ZONES

Work Zone 7 - Matthews Gate to Square  
One Drive

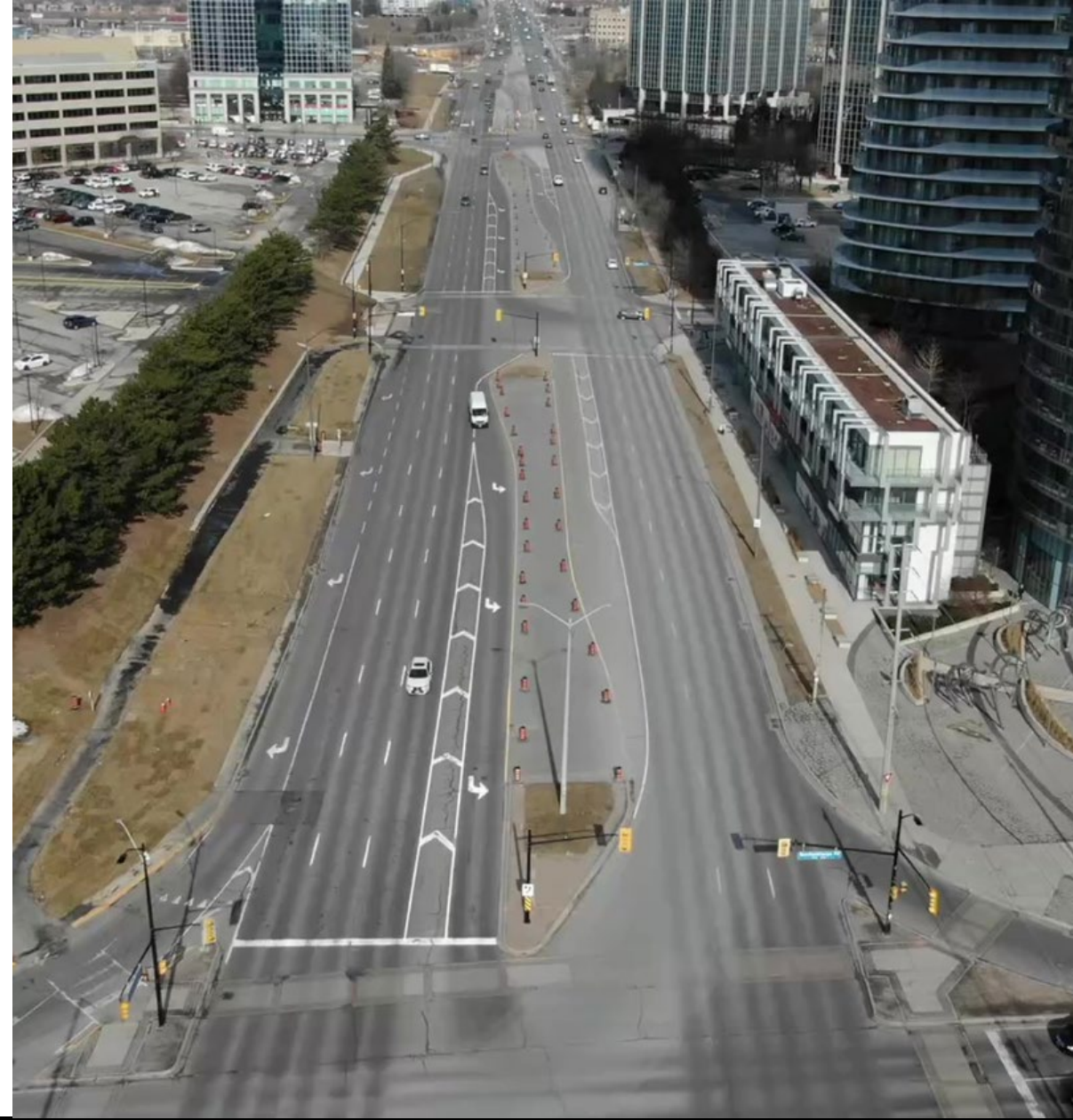
Work Zone 8 - Square One Drive to  
Eglinton Avenue





# MISSISSAUGA CENTRE CONSTRUCTION

- Most medians have been removed except for those that remain at the intersections, over the HWY 403 overpass, and on Rathburn Rd. The remainder of medians at the intersections will be removed with the installation of temporary traffic signals.
- The installation of temporary traffic signals began earlier this year and is expected to be completed this summer. Temporary traffic signals were recently installed between Square One Drive and Eglinton Avenue West. They will be energized in late April.
- Preparatory works began at Centre View Drive laydown area site with the installation of perimeter fencing, clearing, and scraping.
- Utility relocation works are expected to begin this summer.
- Construction of the Elevated Guideway is expected to begin summer.





# **Traffic and Transit Management**

# TRAFFIC MANAGEMENT

- Motorists, cyclists, and pedestrians will be advised of traffic pattern changes in advance (with enough time) to allow safe and appropriate routing change decisions.
- Signage used will include a combination of static and portable variable message signs (PVMS) ahead of major decision points including:
  - Major intersections along Hurontario St (e.g., Derry, Britannia, Burnhamthorpe, Queensway)
  - MTO highway interchange along Hurontario St (407ETR, 401, 403, QEW)
- Reminders not to use residential streets as detours will also be included where possible.
- Future traffic impacts will be communicated through construction notices, updates to the targeted distribution lists and on social media.



Road Signage

# TRAFFIC MANAGEMENT AND PEDESTRIAN SAFETY

Our traffic, cyclist, and pedestrian protection plans are developed together with City of Mississauga, City of Brampton, Region of Peel, Metrolinx, Mobilinx and Peel Regional Police.

Prior to developing these plans, hazard assessments are conducted to ensure compliance with regulations and industry best practices.

This helps protect those working inside our work zones as well as those travelling around them. Traffic and pedestrian related concerns are received and addressed as follows:

- Community inquiries received through 311 and/or Region of Peel go directly to the Metrolinx community relations office and are forwarded to Mobilinx to immediately investigate and make any adjustments.
- Biweekly Traffic Management Committee meetings occur to discuss upcoming traffic plans and EMS services are consulted to bring forward any concerns to be addressed.





# TEMPORARY TRAFFIC SIGNALS

Existing traffic signals are being replaced with temporary overhead traffic signals at the intersections in Cooksville and Mississauga Centre. These signals are expected to be installed, energized, and made operational this summer. Temporary traffic signals will be installed as follows:

- First, temporary poles are installed at each intersection.
- Once temporary poles are in place, overhead guy wires are installed, spanning the distance between the temporary poles.
- Temporary traffic signal heads are then hung from these wires, prior to them being energized and made operational.



Temporary Traffic Signals



# TEMPORARY BUS STOP PLATFORMS

The table below outlines the temporary platforms that are expected when the utility works commence this summer.

Work Zone	Intersection	Bus Stop ID
4	Hurontario St & Sherobee Road	0726
	Hurontario St & Queensway	0724
	Hurontario St & Paisley Blvd	0722, 0721
	Hurontario St & Floradale Dr	0792
	Hurontario St & King St	0719
	Hurontario St & Dundas St	0717
5	Hurontario St & Kirwin Ave	0796
	Hurontario St & John St	0769
	Hurontario St & Hansen Rd Walkway	1212
	Hurontario St & Fairview Rd	102655, 1109
	Hurontario St & South of Central Pky	2536
6	Hurontario St & Central Pky	1107
	Hurontario St & Elm Dr	1105
	Hurontario St & Matthews Gate	1103
7	Hurontario St & Burnhamthorpe Rd	4003
	Hurontario St & Robert Speck Pkwy	3280
8	Hurontario St & Elia Ave	1582, 1916
	City Centre Transit Terminal	
	Rathburn Road & City Centre Drive	0480



# **Tree Protections & Removals**



# TREE PROTECTION AND REMOVALS

- Every effort has been made to minimize the impact to trees wherever possible, specifically when located on private property.
- All efforts have been made to protect the remaining tree shed, minimizing the impact of construction, by fencing them off.
- Prior to any removal of trees and small shrubs, they have been inspected by a biologist to ensure that any nesting birds would not be disturbed.
- In addition, arborist reports for permits were required with input from Metrolinx, and the City of Mississauga to understand the number and types of trees to be removed.



# **Communications and Community Partnerships**



# LABOUR AND SOCIAL ENTERPRISE UPDATE

- 1100+ = the total number of unionized employees that have been cleared to work on the project to date.
- 68 = the total number of apprentices that have been cleared to work on project to date.
- 147 = the total number of subcontractor and supply companies that have been safety reviewed and approved for physical work on the jobsite to date. All subcontractors on the project are using the Mobilinx apprenticeship template
- Of the unions we work with, Local Liuna 183, is the main trade union for all work on the project taking place outside of the Operation Maintenance Storage Facility Building (OMSF), and the sole partner with the Peel Community Benefits Network (PCBN) pilot program.
- To date, Mobilinx has procured \$1,673,418.25 of business through relations with local business and social enterprises since commencing operations in October 2019.



# COMMUNITY RELATIONS UPDATE

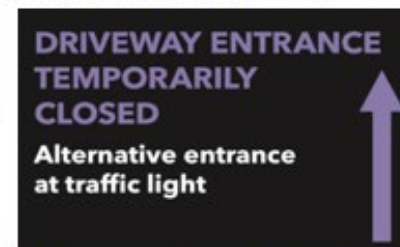
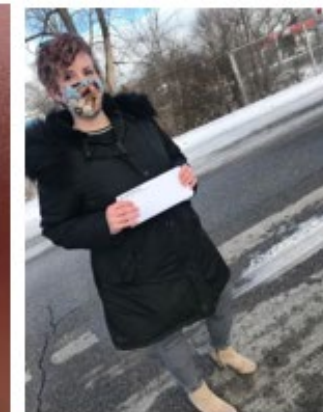
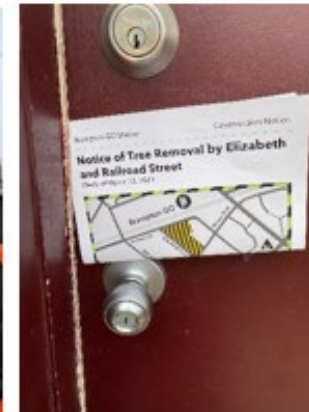
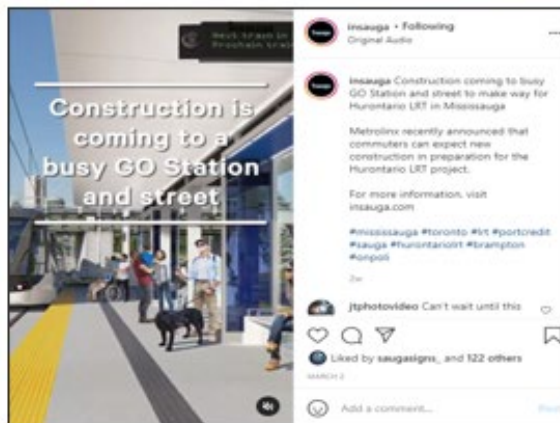
*Signage on the Corridor. What's going on here?*

*Moving into the neighbourhood:  
Port Credit GO Station*

*Supporting business: Mississauga  
North Driveway Closures*

*Sharing the story with our future  
riders: Transit in Your Community  
School Presentations*

*Updated website*  
[www.metrolinx.com/hurontarioLRT](http://www.metrolinx.com/hurontarioLRT)





# COMMUNITY RELATIONS UPDATE

What's next? Continuing the (virtual) two-way conversations.

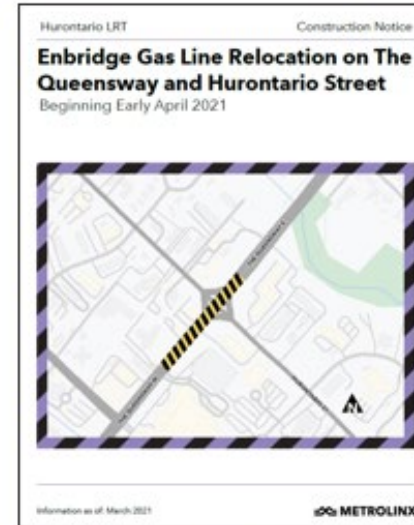
**March:** School presentations, It's Happening advertising campaign

**April:** Virtual CLC, Business Survey

**May:** Second - in person, in PPE - Community Canvass, Tradeshow Advertising

**May/June:** Third Virtual Open House, through Metrolinx Engage, Second Virtual Trade Show

Please sign up for the Peel newsletter and follow us @HurontarioLRT.



# COMMUNICATION & COMMUNITY RELATIONS: CONTACT US

## Questions?

- Ask us at [metrolinxengage.com/HuLRT](https://metrolinxengage.com/HuLRT)
- Or contact us by phone, email, or on social media
- **Note:** Our Community Offices are open by appointment only due to COVID-19 precautions

## For More Information

- Stay up to date with Metrolinx projects in your region!  
[Metrolinx.com/peel](https://Metrolinx.com/peel)

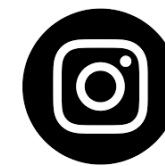
## Hurontario LRT Community Offices

Phone: 416-202-7500

Email: [Peel@Metrolinx.com](mailto:Peel@Metrolinx.com)

3024 Hurontario Street unit G 12  
Mississauga, ON. L5B 4M4

17 Ray Lawson Blvd unit 9  
Brampton, ON. L6Y 5L7



@HurontarioLRT

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Your personal information is being collected under the authority of the Metrolinx Act, 2006 in order to provide you with email communications about Metrolinx services.

For questions, contact: Manager, Customer Contact, Metrolinx, 20 Bay St, Toronto, ON, M5J 2W3, (416) 869-3600.



# **Round Table Discussion**





# APPENDIX A: GLOSSARY OF CONSTRUCTION TERMS

Term	Definition
Culvert	Culverts are small channels that allow water to run under a road or railroad structure.
Wet Utilities	Examples of wet utilities are sanitary, storm water (rainwater), water main (potable water, fire hydrants)
Dry Utilities	Examples of dry utilities are power, underground conduits, fiber optics (telecommunications).
Guideway	The <b>guideway</b> is the structure the LRVs will operate at the HWY 403 crossing. This includes steel tracks, the concrete pads for tracks, and OCS poles. The <b>elevated guideway</b> is a structure with tracks raised above the street level, and <b>civil works for the guideway</b> includes anything below the grade of the guideway (duct banks for electrical cables, drainage etc.)
Roads, Curbs, Sidewalks	This involves preliminary works including drainage, catch basins, temporary paving, new curbs, sidewalks, and boulevards etc. Final paving and reinstatement occur as a part of the final landscaping and design package.
Push Box	An innovative method which uses hydraulic jacks & spreaders to move a cast-in-place concrete box carrying the entire underpass in a short period of time. It causes minimal disruption to surrounding traffic.
RSS/Retaining Wall	Retained Soil Systems Wall. The purpose of this wall is to retain soil in order to protect a change in grade.
Track works	Track works are at grade.

# APPENDIX B: CONSTRUCTION UPDATE 2021

Zone	Activity
Brampton South	<ul style="list-style-type: none"><li>• Most construction activities have been taking place at the Operations Maintenance and Storage Facility (OMSF) where the installation of new wet utility infrastructure is well underway, along with the erection of structural steel and metal decks that will form the OMSF building. The installation of dry utility infrastructure is expected to begin this spring.</li><li>• Along the alignment this spring, geotechnical tests will be done to analyze ground conditions(i.e., clay, sand, rock etc.), to determine the most appropriate method for all construction activities specific to the area.</li><li>• Utility relocations and roadworks are expected to begin this fall as well as construction of the Traction Power Sub-Stations</li><li>• Site preparation of a laydown area to store construction materials will begin later this year at 7990 Hurontario Street.</li></ul>
Mississauga North	<ul style="list-style-type: none"><li>• Ongoing works along the alignment includes the relocation of wet utilities, between Matheson Boulevard and HWY 407 followed by the relocation of dry utilities that began earlier this year.</li><li>• As utility relocations continue, temporary bus platforms have been installed along the roadway to ensure that all bus stops remain safely accessible to commuters during construction, while minimizing disruption to local bus service.</li><li>• Once utility relocations are completed on one side of Hurontario Street, roadworks will begin this spring/summer to re-grade and reinstate adjacent boulevards, storm water catch basins, curbs, and sidewalks.</li><li>• Traffic along Hurontario Street is expected to flip this spring/summer to accommodate utility relocations on the other side of the road.</li></ul>
Mississauga Centre	<ul style="list-style-type: none"><li>• With most of the medians removed from the centre of Hurontario Street, the remaining medians at the signalized intersections are removed as temporary traffic signals are installed this spring.</li><li>• Following the installation of temporary traffic signals, utility relocations are expected to begin this summer, along with the start of construction for the elevated guideway and structural rehabilitation to the overpass at Highway 403.</li></ul>



# APPENDIX B: CONSTRUCTION UPDATE 2021

Zone	Activity
Cooksville	<ul style="list-style-type: none"><li>• With most of the medians removed from the centre of Hurontario Street, the remaining medians at the signalized intersections are removed as temporary traffic signals are installed this spring.</li><li>• Following the installation of temporary traffic signals, utility relocations are expected to begin this summer, followed by roadworks this fall to reinstate adjacent boulevards, storm water catch basins, curbs, and sidewalks.</li><li>• Enbridge work to relocate a natural gas line on Queensway West at Hurontario Street will begin this spring and is expected to last for three months.</li><li>• With construction materials and equipment being stored at a portion of the Cooksville GO parking lot on the west side of Hurontario, Mobilinx will also begin to prepare a second laydown area at the overflow parking on the east side of Hurontario Street this spring.</li></ul>
Mississauga South	<ul style="list-style-type: none"><li>• Alignment:<ul style="list-style-type: none"><li>○ Work to install temporary traffic signals began early this year and are now complete between Park Street and Pinetree Way.</li><li>○ Tree protections, trimming, and removals are expected to begin this spring and will be followed by utility relocations, road widening, and the reinstatement of storm water catch basins, curbs, and sidewalks this summer and into the fall.</li></ul></li><li>• Mary Fix Creek:<ul style="list-style-type: none"><li>○ Tree protections, trimming, and removals occurred earlier this year. The diversion of the creek to one side of the canal will take place this spring. This will accommodate the construction of new flood walls this summer.</li><li>○ As new flood walls are constructed, the existing parking lot bridges over the creek will be demolished and rebuilt this summer.</li><li>○ Construction of a new bridge over the creek, extending Eaglewood Boulevard to Oriole Avenue is expected to begin this summer. Once completed, the existing bridge over the creek at Inglewood Drive will be removed.</li></ul></li><li>• Port Credit Station:<ul style="list-style-type: none"><li>○ Early this year, construction crews mobilized in the south parking lot and have begun the removal of catch basins and light poles.</li><li>○ The next steps will involve shoring and the auguring of caissons at the eastern portion of the parking lot this spring. This is done to prepare the area for excavation this summer and the construction of a concrete box (forming the station's outer walls) that will be pushed underneath the Lakeshore West railway corridor towards the end of the year.</li></ul></li></ul>