

Hurontario Light Rail Transit Project

Construction Liaison Committee

Mississauga North &
Brampton South

MARCH 2022



LAND ACKNOWLEDGEMENT

Let us take a moment to acknowledge that we are on the traditional territory of Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Wendat peoples.

We are all Treaty people. Many of us have come here as settlers and immigrants... in this generation or generations past.

Metrolinx declares its commitment to building meaningful relationships with Indigenous Peoples.

We acknowledge we have a responsibility to recognize and value the rights of Indigenous Peoples and conduct business in a manner that is built on the foundation of trust, respect and collaboration.

We acknowledge the historic and continued impacts of colonialization, the many broken promises and Treaties, and the need to work towards reconciliation with the original caretakers of this land... today and for future generations.

OUR MANDATE

The Construction Liaison Committee is a communications forum to provide open, two-way communication and dissemination of information with stakeholders, elected officials, area residents and businesses related to construction for the Hurontario Light Rail Transit Project including construction activities, short- and long-term impacts, steps being taken to address impacts and community engagement and outreach.

AGENDA: March 2022

Welcome & Introductions

Safety Moment

Action Items

Construction Progress

Construction Update Mississauga North

Construction Update Brampton South

Community Engagement

Round Table Discussion



Safety Moment

EVERYONE HOME SAFE, EVERY DAY

Safety is at the core of everything we do and while we can't legislate for unsafe behaviors, we can commit to building awareness in order to help mitigate it.

To increase awareness around worksite safety, we would like to remind everyone of our commitment to worker and pedestrian safety. After receiving multiple complaints of unsafe traffic movements, the project took immediate action to install additional high visibility signage along Hurontario Street and increased safety messaging across social media.

We ask that the community, motorists, pedestrians and cyclists:

- Practice patience and plan-ahead to avoid delays.
- Adhere to posted speed limits and other signage on the road.
- Avoid distractions while driving.
- Treat construction zones as if they were your own workplace.

Our goal remains that everyone gets home safe, every day.



Action Items

Review of Action Items

- City of Brampton to provide a link to their HuLRT route extension proposal.

Construction Progress

CONSTRUCTION PROGRESS: UTILITIES



Wet Utilities Completed to Date

- ✓ Watermain - 6.1 Km of pipe installed to date
- ✓ Storm - 3.3 Km of pipe installed to date
- ✓ Sanitary - 1.7 Km of pipe installed to date
- ✓ **Total of all wet utilities is 11.5 Kms**

Dry Utilities Completed to Date

- ✓ 88 Hydro poles installed
- ✓ 5.06 Km of concrete encased underground hydro duct banks installed
- ✓ 6.12 Km of underground hydro cable installed
- ✓ 30.81 Km of aerial conductor installed



Mary Fix Creek - Channel Excavation



Mary Fix Creek - Channel Excavation



Lakeshore West Push Box



Port Credit Station - Excavation

BRINGING THE LRT TO PORT CREDIT GO

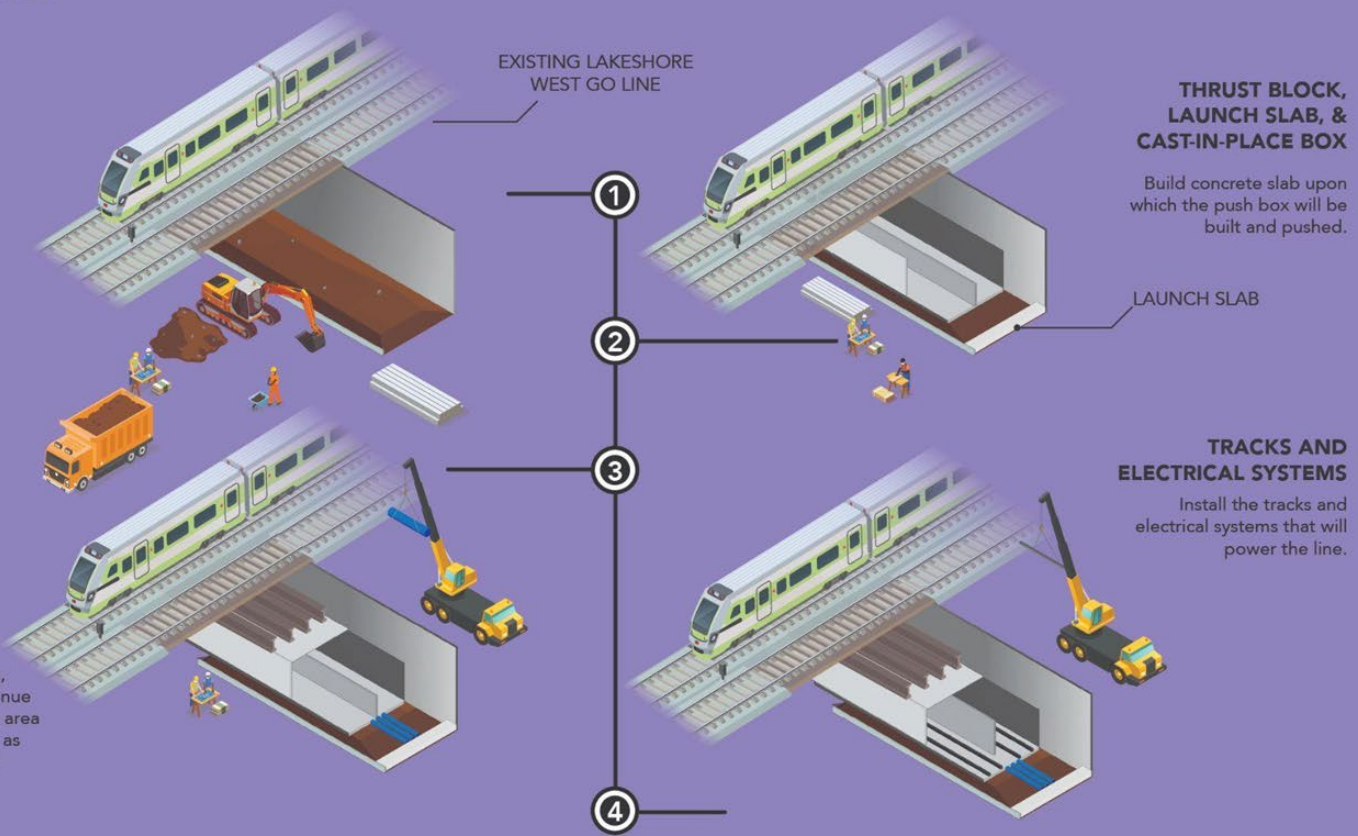
Work for the push box at Port Credit Station is ongoing. The push box is a large, hollow concrete box that will be pushed underneath the Lakeshore West GO line at the Port Credit GO Station. This will create a tunnel under the rail tracks, allowing the future HuLRT line to move without disrupting rail service on the tracks above. Here are the steps involved in the process:

SHORING WALLS & EXCAVATION

Excavate area and build the supports for the push box.

TEMPORARY BRIDGE SUPPORTS AND BOX JACKING

Install temporary bridge supports, which allows train service to continue overhead. The area below continues to be excavated as the push box is moved into place using hydraulic rods.



THRUST BLOCK, LAUNCH SLAB, & CAST-IN-PLACE BOX

Build concrete slab upon which the push box will be built and pushed.

TRACKS AND ELECTRICAL SYSTEMS

Install the tracks and electrical systems that will power the line.



CONSTRUCTION UPCOMING

Mississauga South

- Sanitary structure installations will continue along the east side of Hurontario until the end of March.
- Hydro Pole, aerial cable works, and duct banks continue along Hurontario.
- Alectra relocations are progressing north of Mineola Road towards the QEW.
- Site preparation, including clearing and grubbing of vegetation and sidewalk demolition, set to occur near the QEW in advance of the Push Box activities later this year.
- Work continues at Mary Fix Creek to expand and revitalize the creek bed.
- Work continues at the Lakeshore West Push Box with the construction of a temporary bridge in advance of the underpass installation.

Cooksville

- Watermain installations continue between Paisley Boulevard East and Dundas Street as well as between Fairview Road and Matthews Gate.
- Temporary road closures are expected for watermain and storm system installations as works cross intersections along Hurontario Street.
- Overnight works for watermain installations are expected from mid-March to mid-April, between The Queensway to Dundas Street.

Mississauga Centre

- Watermain installation have begun along Hurontario Street between Burnhamthorpe Road and Square One Drive.
- Watermain, storm, and sanitary installations continues east along Rathburn Road from Station Gate towards the Hurontario Street ramp.
- Excavation, formwork, and concrete pour for elevated guideway piers and abutments continues (Piers 3-5, and 13).



Mississauga North

MISSISSAUGA NORTH WORK ZONES

Work Zone 10 – Eglinton Avenue to Matheson Boulevard

Work Zone 11 – Matheson Boulevard to Britannia Road

Work Zone 12 – Britannia Road to Madill Boulevard

Work Zone 13 – Madill Boulevard to Derry Road

Work Zone 14 – Derry Road to Highway 407 South Ramp



CONSTRUCTION PROGRESS - ALIGNMENT

Ongoing

Work Zone Ten

- Watermain and fire hydrant installations north of Eglinton Avenue
- Tree removal, protections and Alectra relocations have begun between Eglinton Avenue and Matheson Boulevard

Work Zone Eleven

- Permanent street light installation between Matheson Boulevard to Britannia Road
- Road widening and curb installation (Sandstone to Britannia)
- Testing and commissioning for newly installed Alectra utilities

Work Zone Twelve

- Whittle Road and HWY 401 rehabilitation

Work Zone Thirteen to Fourteen

- Watermain connections on Edwards Boulevard
- Installation of storm infrastructure from Derry Road to Topflight as well as Edwards Boulevard
- Installation of Alectra duct banks and permanent street light poles
- Installation of subdrains and excavating for road widening between Capston to Kingsway

Upcoming

Work Zone Ten

- Road widening between Eglinton Avenue to Matheson Boulevard

Work Zone Eleven

- *Preparatory works for guideway construction (centre of Hurontario Street)*

Work Zone Twelve

- Temporary widening and preparatory works for the NE and NW 401 ramps

Work Zone Thirteen to Fourteen

- Testing and commissioning for new watermain infrastructure



TRACK INSTALLATION

Guideway construction in preparation for track installation along Hurontario Street will progress from south to north, beginning between Matheson Boulevard to Britannia Road.

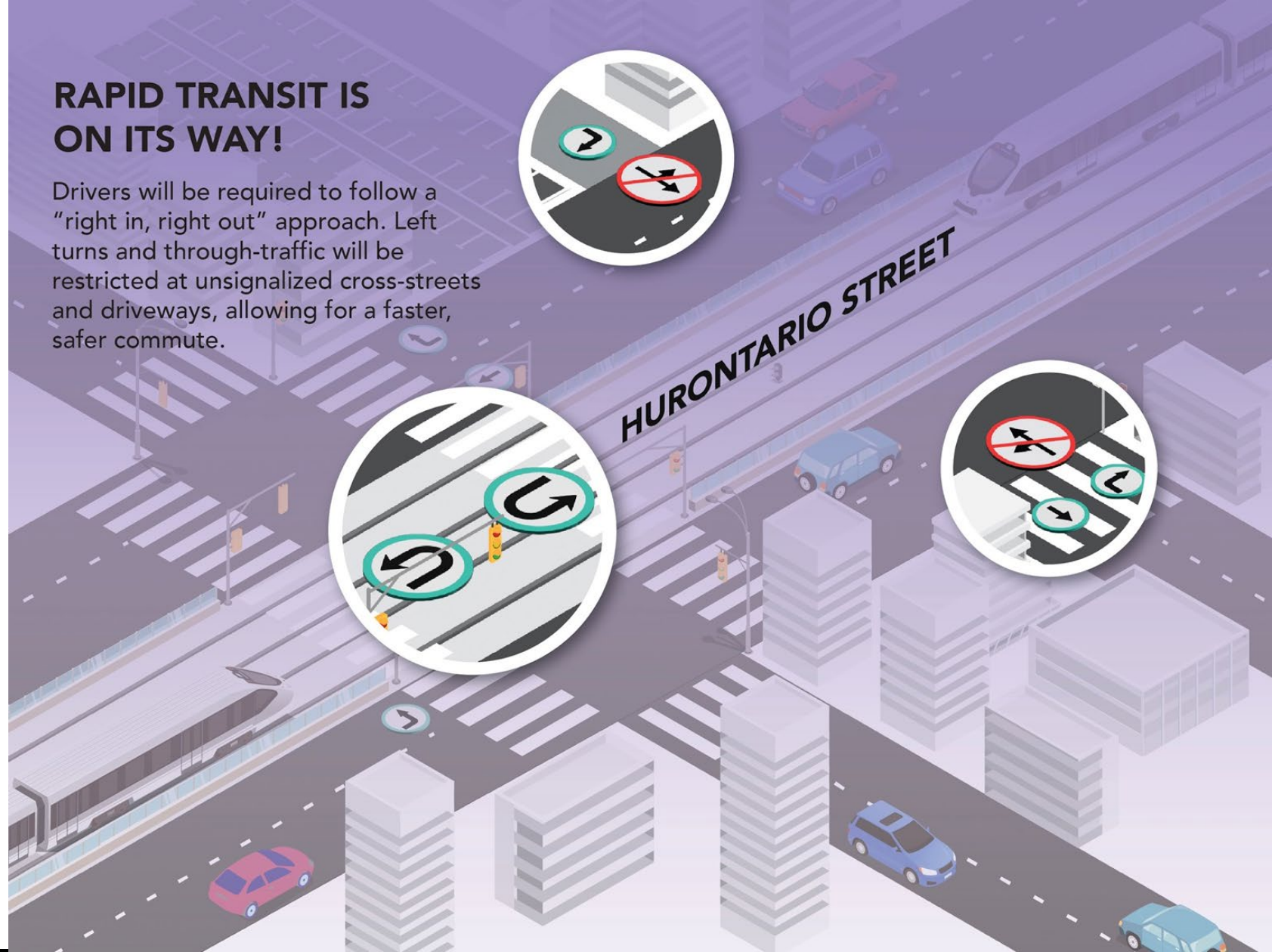
Construction will occur in the mid-block sections (the areas between intersections) with minimal/no impact to pedestrians and traffic flows at intersections for this stage of work. Work will occur in all of the mid-block zones simultaneously and will take approximately four months to complete in this area.

Once the guideway is constructed, the configuration in the centre of the roadway will be permanent, prohibiting U-turns and left-turns across the tracks at undesignated locations.

Traffic staging and initial works are already underway.

RAPID TRANSIT IS ON ITS WAY!

Drivers will be required to follow a "right in, right out" approach. Left turns and through-traffic will be restricted at unsignalized cross-streets and driveways, allowing for a faster, safer commute.

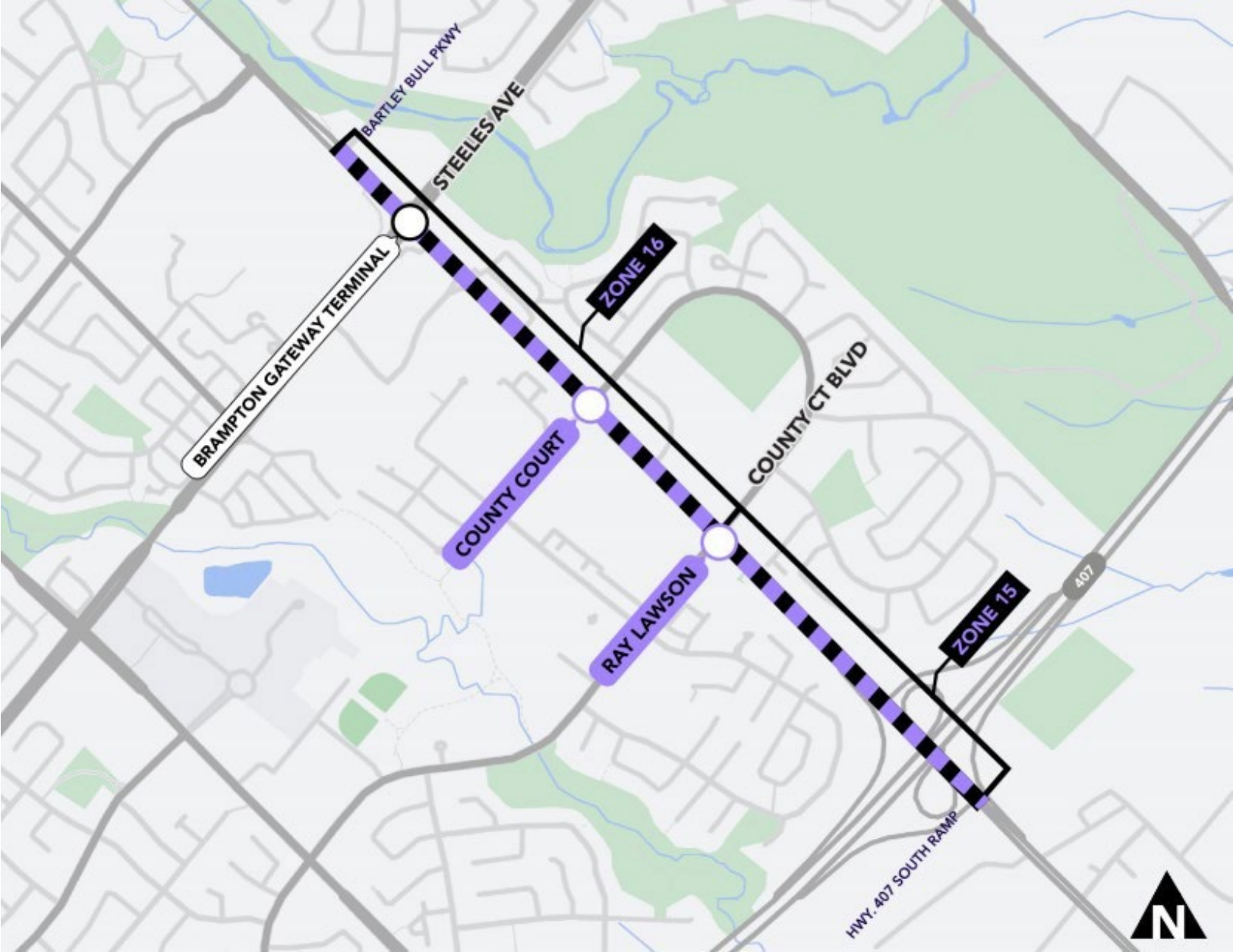


Brampton South

BRAMPTON SOUTH WORK ZONES

Work Zone 15 – Highway 407 (South Ramp)
to County Court Boulevard

Work Zone 16 – County Court Boulevard to
Bartley Bull Parkway



CONSTRUCTION PROGRESS - ALIGNMENT

Ongoing

Work Zone Fifteen and Sixteen

- Traffic staging preparation for sanitary works

Upcoming (three-month window)

Work Zone Fifteen and Sixteen

- Tree protections
- Staging on both sides of Hurontario Street between Bartley Bull Parkway and Brampton City Limits are expected to begin by the end of March
- Wet Utilities set to begin once traffic staging is complete (watermain, sanitary and storm)



CONSTRUCTION PROGRESS - OMSF

OMSF yard - Ongoing

- Electrical system duct bank installation
- Gas service connections
- Yard lighting
- Etobicoke creek barrier wall works
- Ballast deliveries and caisson drilling for OCS poles
- Wet utilities works on Kennedy Road

OMSF yard - Upcoming:

- Guideway construction and track installation

OMSF building – Ongoing

- Electrical connection and overhead steel platform construction
- Installation of doors and other hardware
- Mechanical room and engineering finishes

OMSF building – Upcoming

- Track Installations



Community Engagement

WHAT HAVE WE BEEN UP TO?

Community Engagement staff are out in the public speaking to residents and businesses where and when it makes sense while following all COVID 19 guidelines to keep ourselves and members of the community safe.

What have we been up to?

- Virtual and on-site meetings across Mississauga and Brampton
 - Tree impacts and grading impacts
 - Driveway impacts from wet and dry utility relocation
- Gradual reopening of community offices

The HuLRT is getting a name!

- Peel Region's newest rapid transit line, the Hurontario light rail transit route is getting a name, honouring one of Canada's longest serving mayors
- The project will continue to be referred to as the Hurontario LRT while construction is underway but will adopt the name once the line opens.
- Learn more about it on our blog: <https://blog.metrolinx.com/2022/02/14/hurontario-lrt-to-be-named-after-long-time-mississauga-mayor-hazel-mccallion/>
- Listen to a Metrolinx podcast with Hazel McCallion on having an LRT named in her honour: <https://blog.metrolinx.com/2022/02/17/between-the-lines-podcast-the-naming-of-the-hazel-mccallion-lrt/>



WHAT IS AHEAD?

- We are approaching the “writ period” which is a period that falls immediately before election day.
- During this time, CLC communications (e-update and virtual meeting) will not be held until after the election. Large scale public engagement, including virtual opening houses and public information sessions will also not be held during this time.
- Construction, operations and communication with the community via notices, email, calls and 1:1 meetings will continue throughout, as work progresses on the project.
- Community Engagement is still here for you to answer your questions as major construction continues along Hurontario Street.
- We’re always available via phone or email, and we’re available in person at one of our two offices by appointment.

GET IN TOUCH WITH US!

Questions?

Ask us at metrolinxengage.com

Or contact us by phone, email, or on social media.

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

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@HurontarioLRT

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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 guideway 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 elevated guideway is a structure with tracks raised above the street level, and civil works for the guideway 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 A: GLOSSARY OF CONSTRUCTION TERMS

Term	Definition
Hydro Duct Bank	A grouping of hydro cables buried underground or encased in concrete.
Flood Wall	A wall built to prevent inundation by high water.
Staging	Staging indicates the set-up of fenced off work area and installation of temporary bus platforms as required on the corridor.
Pole	A structure used to support overhead lines.
OMSF	OMSF stands for Operations, Maintenance and Safety Facility of the Hurontario LRT. It is located just south of Hwy.407 at the border of Brampton and Mississauga.
Girder	A girder is a horizontal support beam used to strengthen bridges and other structures.
TPSS	TPSS stands for Traction Power Substation. They ensure a consistent level of power to the Light Rail Vehicles.
French Drainage System	The French Drainage System consists of a trench filled with gravel or rock or pipe to divert water away from an area. It is used to prevent water damage to building foundations. This will be installed at the OMSF site.

APPENDIX A: GLOSSARY OF CONSTRUCTION TERMS

Term	Definition
Switchgear	Switchgear systems ensure reliable power distribution, power energy control, protection and monitoring for the Finch West line.
Sump Pit	Excavated area that collects ground water and debris to be filtered away from the foundation of a building or structure