

Davenport Diamond Guideway Construction Liaison Committee Meeting #22

March 28, 2022

For more info: metrolinx.com/davenport
For further feedback: TorontoWest@metrolinx.com

AGENDA

- Welcome and Introductions
- Meeting Purpose, Expectations & Code of Conduct
- Safety Moment
- February CLC Minutes & Actions Items
- Construction Update
 - Project Overview
 - Construction Timeline
 - Construction Activity: Completed, In Progress & Four-Week Look-Ahead
- Committee Discussion
- How to Stay Informed
- Next Meeting

MEETING PURPOSE, EXPECTATIONS & CODE OF CONDUCT

PURPOSE

- The monthly Construction Liaison Committee (CLC) meetings are an opportunity for the community to receive a regular cadence of project updates, for Metrolinx to listen to your feedback and collectively come up with mitigation strategies in a respectful and constructive way.

EXPECTATIONS

- During the presentation, please put yourself on mute to help us share all the project information. Once we finish our updates, we will have a discussion and answer any relevant questions you may have about the information we shared.

CODE OF CONDUCT

- Keep requested agenda and discussion items within the scope of the CLC and participate in a respectful manner - do not interrupt when someone is speaking or dominate discussions and refrain from foul language and derogatory comments.

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 the historic and continued impacts of colonialization and the need to work towards meaningful reconciliation with the original caretakers of this land.

We acknowledge that Metrolinx operates on lands covered by 20 Treaties, and that we have a responsibility to recognize and value the rights of Indigenous Nations and Peoples and conduct business in a manner that is built on the foundation of trust, respect and collaboration.

SAFETY MOMENT

GRAHAM COMMUTER RAIL SOLUTIONS

February 28th CLC MINUTES & ACTION ITEMS

CONSTRUCTION UPDATE

PROJECT OVERVIEW & CONSTRUCTION TIMELINE

COMPLETED, IN PROGRESS & FOUR-WEEK LOOK-AHEAD

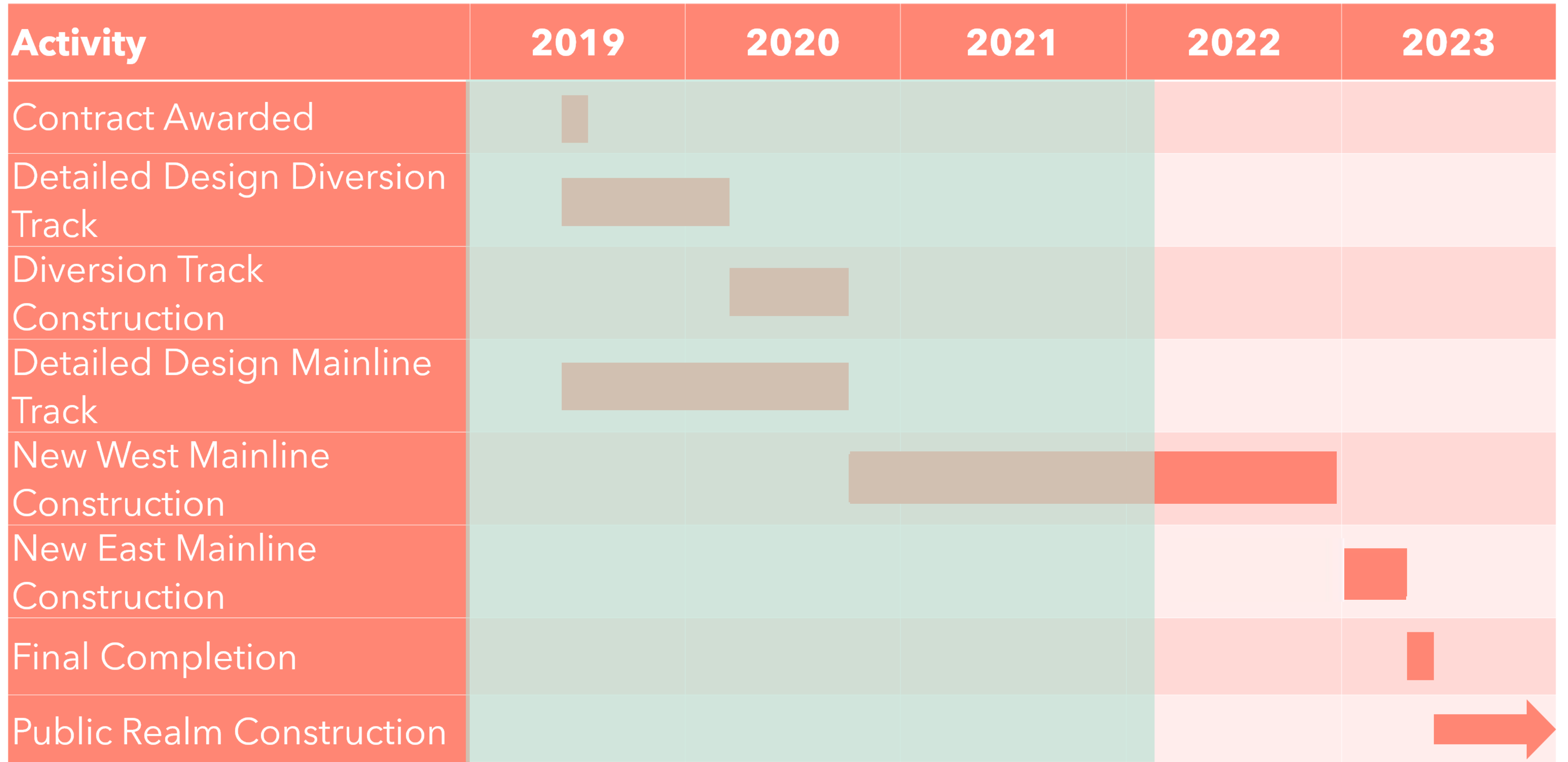
PROJECT OVERVIEW

The **Davenport Diamond Grade Separation** project will prepare and complete the construction of an elevated twin-track guideway between Bloor Street and Davenport Road, west of Lansdowne Avenue, eliminating at-grade crossings, including the busy CP Rail intersection near Dupont Street.

Davenport Diamond Guideway Project Map



CONSTRUCTION TIMELINE



OVERNIGHT WORK

Why is there so much overnight construction activity on this project?

The Davenport Diamond Guideway project poses unique challenges:

- We are working in an active rail corridor with GO trains passing by during the daytime. Weekday trains run until 9:30 p.m.
 - Recent updates to the GO train schedule has removed weekend trains, we are utilizing weekends as much as possible to reduce overnight construction.
- We have very limited space to work within.
- We have limited access points into the rail corridor.

Because we are working next to a live track, we follow strict standards and guidelines that dictate what we can and cannot do under a train load, i.e., when trains are passing.

When our work affects or has the potential to affect the integrity of the track, that work cannot be done while trains are running; that work must be carried out when trains are not running, which is overnight. **This is the main reason for overnight construction on this project.**

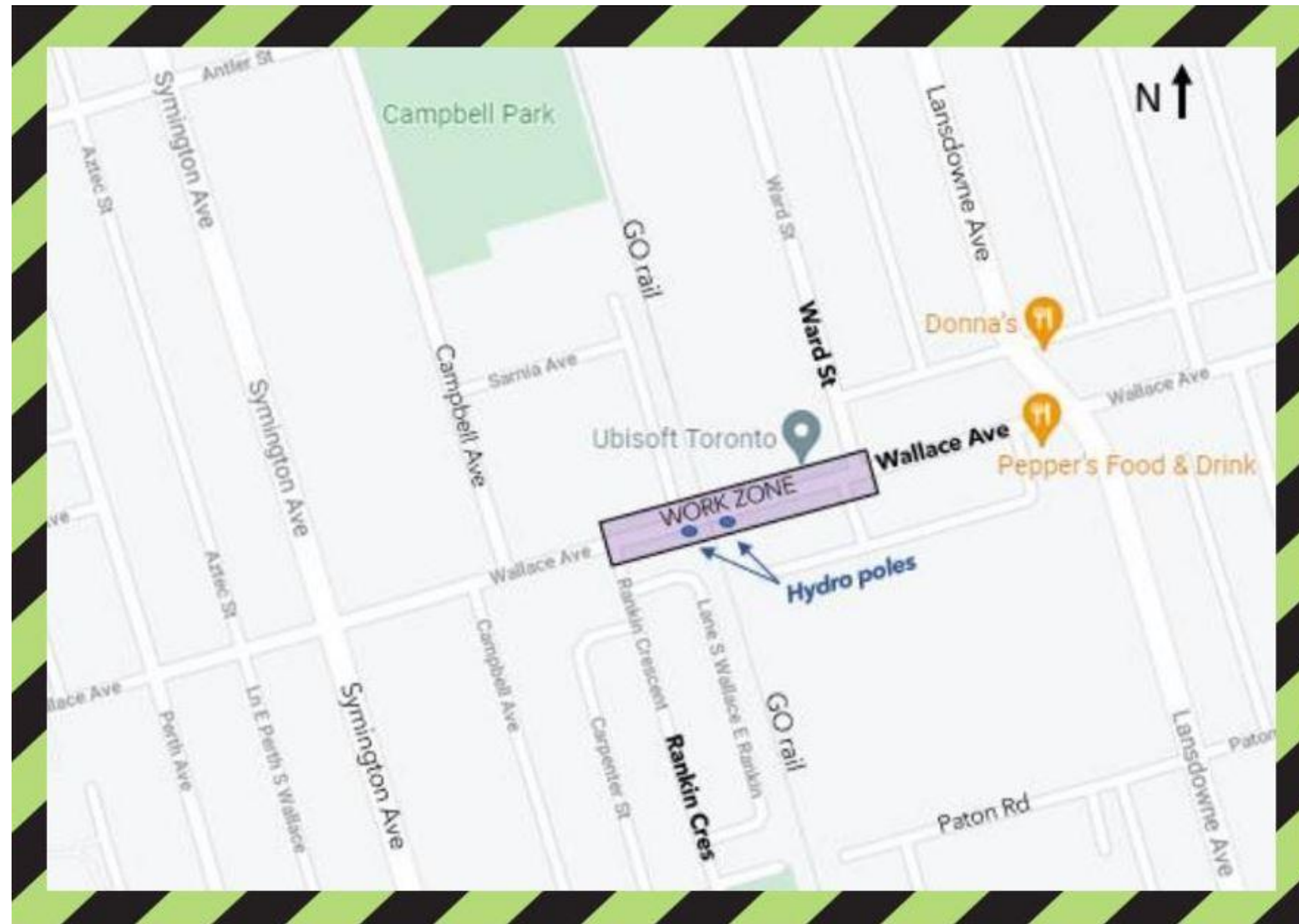
We work overnight to protect the track, train operators and passengers, our crews, the community, and nearby residents.

CONSTRUCTION ACTIVITY: COMPLETE

Wallace Avenue Bridge - Hydro Pole and Overhead Hydro Relocation

To facilitate construction of the new Wallace Avenue bridge, two hydro poles and their overhead hydro lines needed to be relocated.

The hydro poles are located on the south sidewalk of Wallace Avenue on either side of the rail crossing, and they were relocated about one meter east.



CONSTRUCTION ACTIVITY: COMPLETE

Bloor Street Bridge - North and South Abutment Construction

The north and south concrete abutments are complete and ready for girder installation.

The south sidewalk has been demolished and will be reconstructed post girder erection. A temporary pedestrian bypass is in place on the south side and will remain until end of March 2022 at which time Project Co will need to occupy this space to start construction on the permanent sidewalk.



South bridge abutment prior to formwork removal (looking south).

CONSTRUCTION ACTIVITY: IN PROGRESS

North MSE (Mechanically Stabilized Earth) Wall - Construction

Construction on the north MSE wall between the CP Rail tracks and Davenport Road is in full swing.

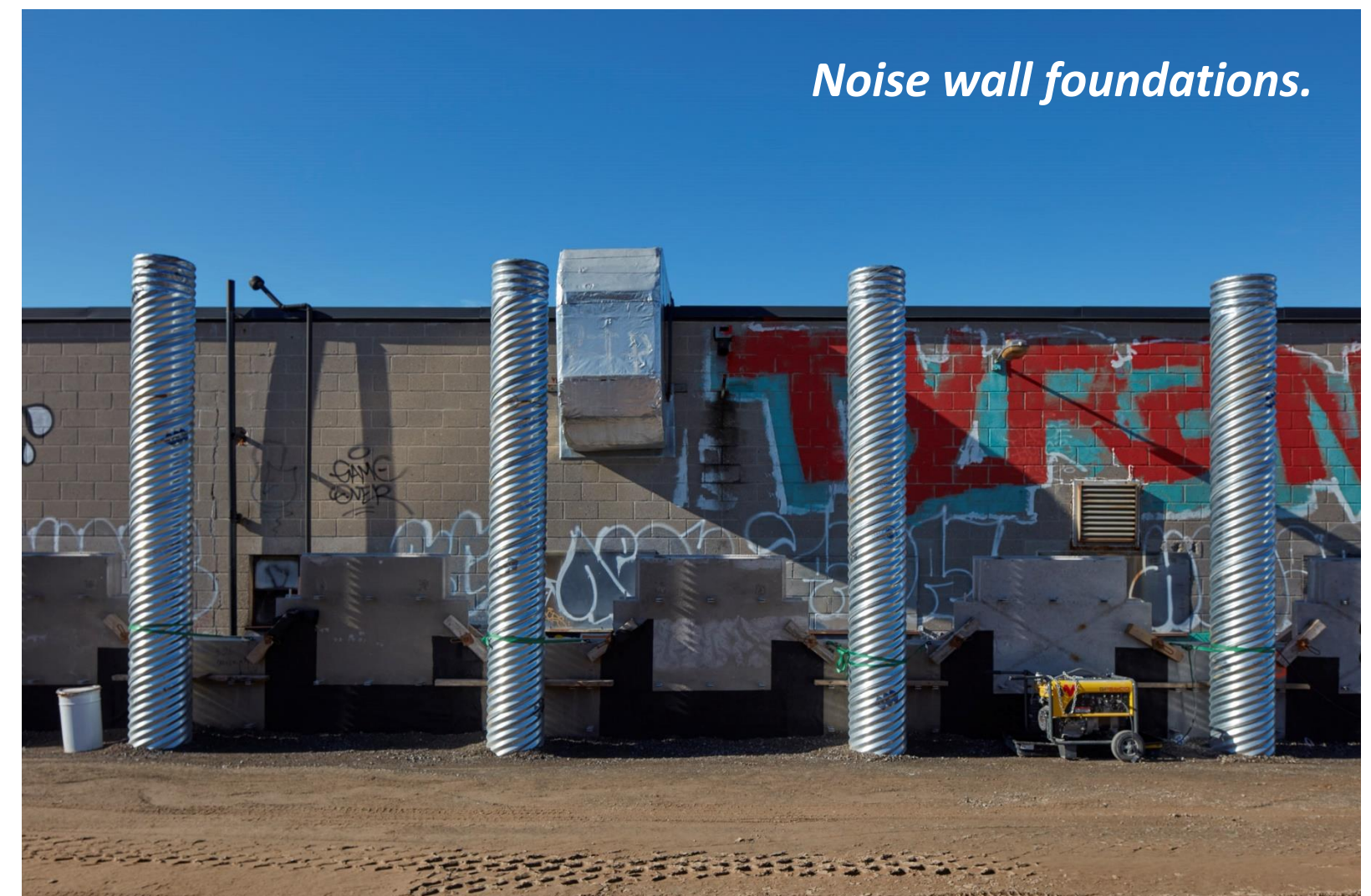
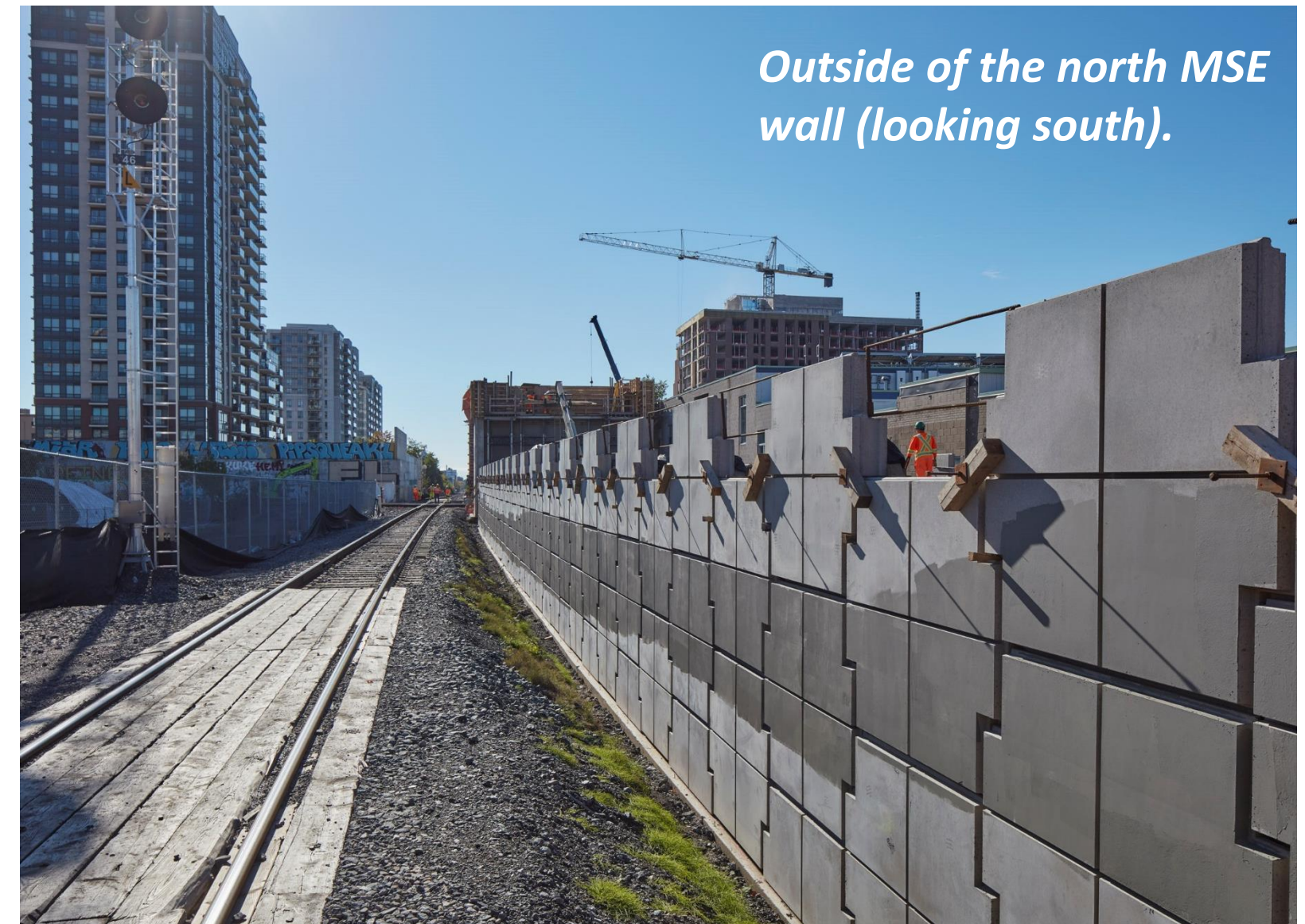
MSE walls are massive soil structures that have been strengthened by placing reinforced straps in horizontal layers throughout the height of the wall that are connected to pre-cast concrete panels.

The panels fit together like puzzle pieces to keep everything in. The combination of panels and straps allows the wall to be built with a near vertical face because of the tension produced by the straps.

At the same time, crews are also installing the foundations for the noise walls, drainage and installing duct banks on top of

What to expect:

- Monday to Friday, approximately 7 a.m. to 6 p.m.
- Material/panel deliveries, construction activity, vibration and noise
- Expected duration: MSE wall construction (panels and backfill) is expected to finish in April 2022, with noise wall and track installation to follow.



CONSTRUCTION ACTIVITY: IN PROGRESS

South MSE (Mechanically Stabilized Earth) Wall - Construction

Construction for the south MSE wall between Bloor Street West and Wallace Avenue is underway.

Similar to the north MSE wall, it is a massive soil structure that has been strengthened by placing reinforced straps in horizontal layers throughout the height of the wall that are connected to pre-cast concrete panels.

The panels fit together like puzzle pieces to keep everything in, and the combination of panels and straps allows the wall to be built with a near vertical face because of the tension produced by the straps.

We are currently working on panel installation on the sections of wall from Bloor St to Paton Rd and from Paton Rd and Wallace Ave.



What to expect:

- Monday to Friday, approximately 7 a.m. to 6 p.m.
- Construction activity, vibration and noise
- Expected duration: Continuing until Summer 2022

CONSTRUCTION ACTIVITY: IN PROGRESS

Bloor Street Bridge - Retaining Wall Construction

Crews are currently working on forming and pouring concrete retaining walls on the north and south side of Bloor Street. These walls are adjacent to the concrete abutments in place for the Bloor West bridge and tie into the existing retaining walls on the west side of the bridge.

What to expect:

- Monday to Friday, approximately 7 a.m. to 6 p.m.
- Construction activity and noise
- Expected Completion: April 2022



South bridge abutment and future retaining wall (looking south).

CONSTRUCTION ACTIVITY: IN PROGRESS

640 Lansdowne Avenue - Contractor's Yard

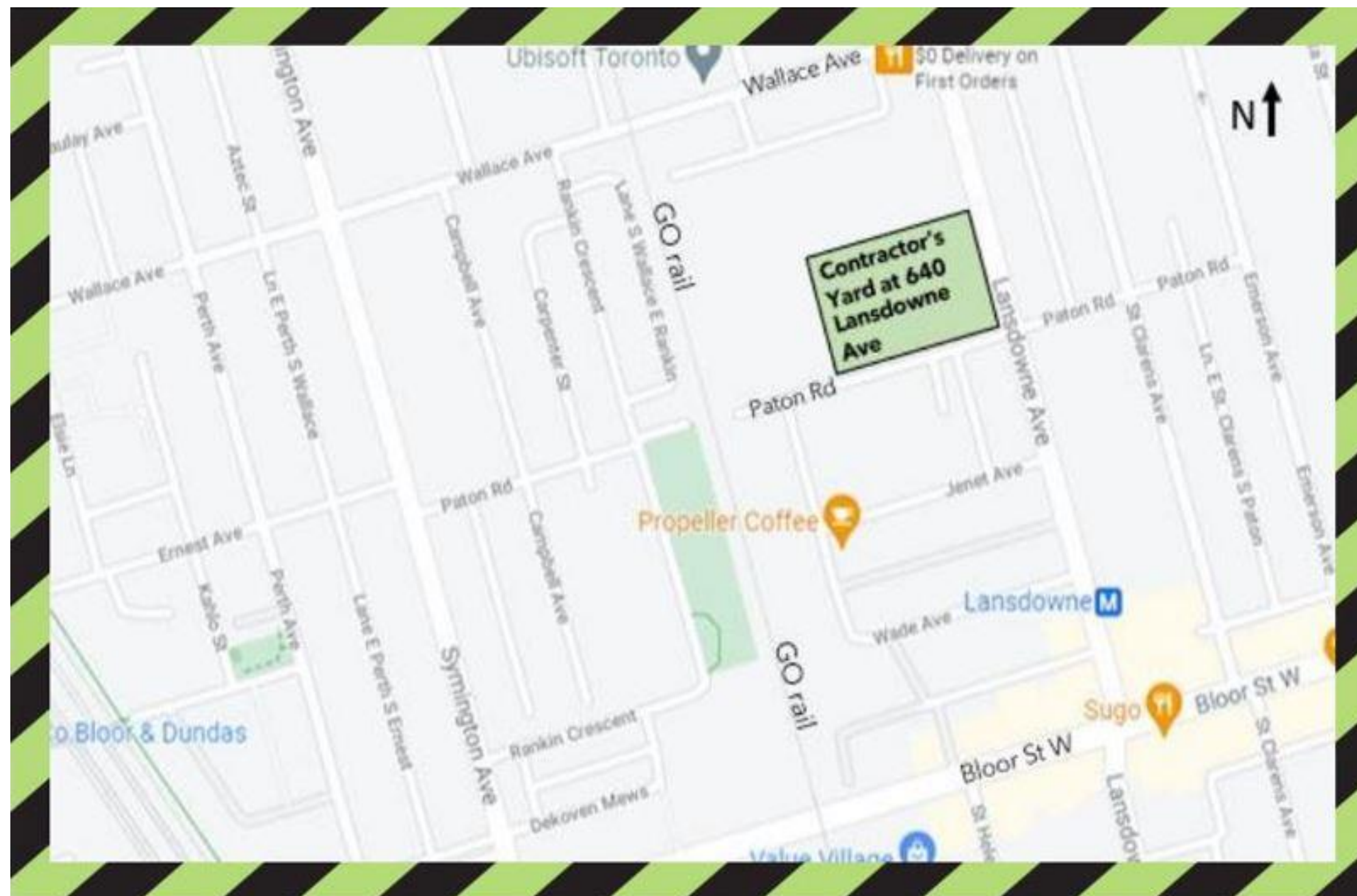
As Elevated Guideway construction gets underway with girder installation, construction activity and truck traffic at our yard located at 640 Lansdowne Avenue, at the corner of Paton Road, has started to increase.

Truck traffic is increased due to frequent concrete girder deliveries into the yard via large tractor trailers and regular girder transportation from the yard into the rail corridor via self-propelled modular transporters (SPMTs).

Within the yard, crews will be post-tensioning the girders and a gantry crane will be used to offload the girders.

What to expect:

- Daily from 7 a.m. to 7 p.m.
- Possible late night/overnight activity and traffic
- Residents in the immediate area can expect the following impacts:
 - Increased construction activity, truck traffic, and noise
 - Daily girder deliveries and transportation in and out of the yard
 - Daily work in the yard



CONSTRUCTION ACTIVITY: IN PROGRESS

Bloor Bridge West Girder Installation

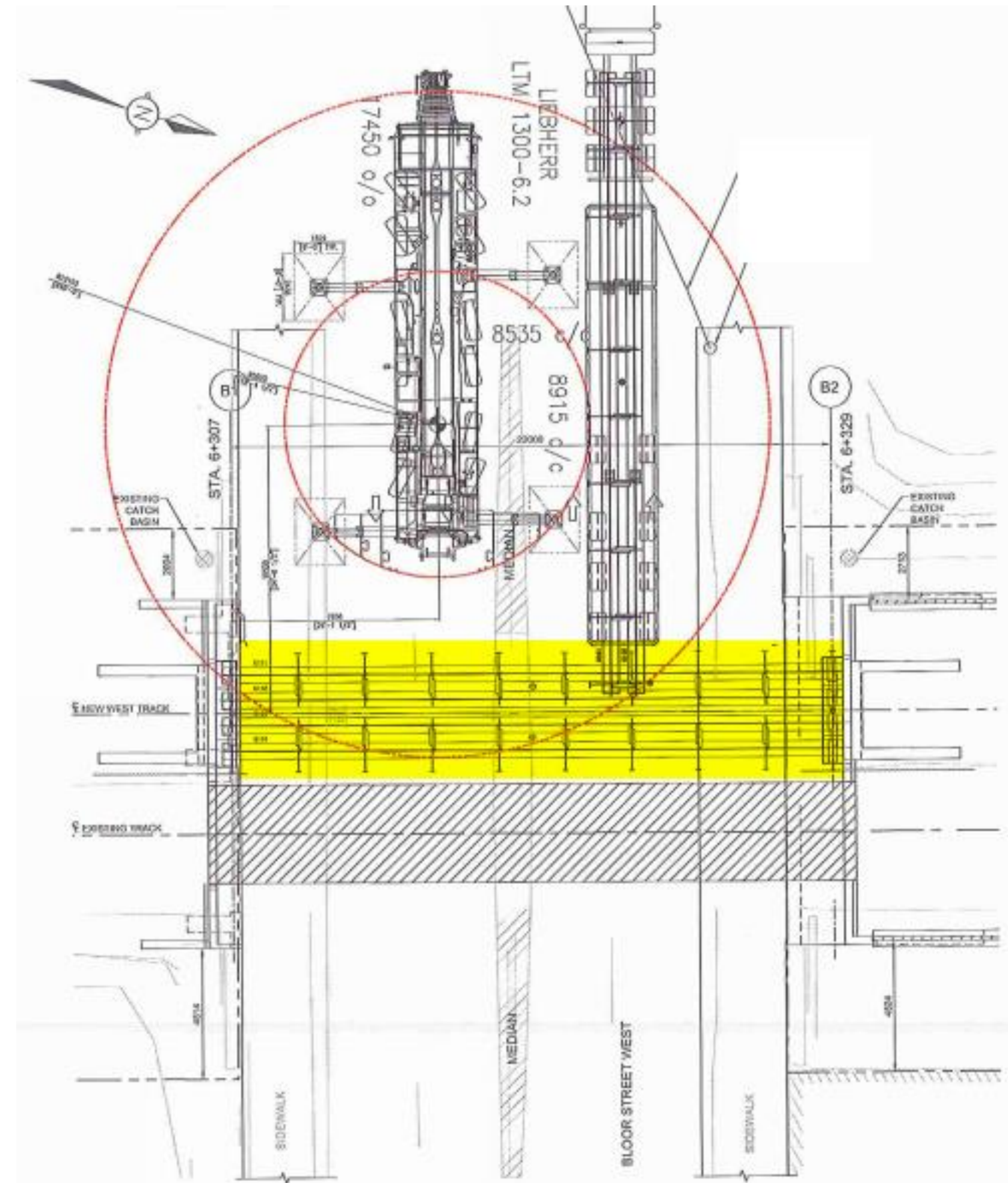
The west girders for the Bloor Street bridge will be erected over Bloor Street this week.

The steel girders are transported by road and lifted onto the new bridge abutments by a crane setup on Bloor Street.

What to expect:

- Partial road closures during daytime of March 29
- Full road closures March 29 - April 2 6:00 p.m. to 6:00 am
- Residents in the immediate area can expect increased construction activity and noise associated with engine of crane setup on road (not as noisy as demolition work in previous night closure on Bloor)

A notice with additional details has been provided to the surrounding community.



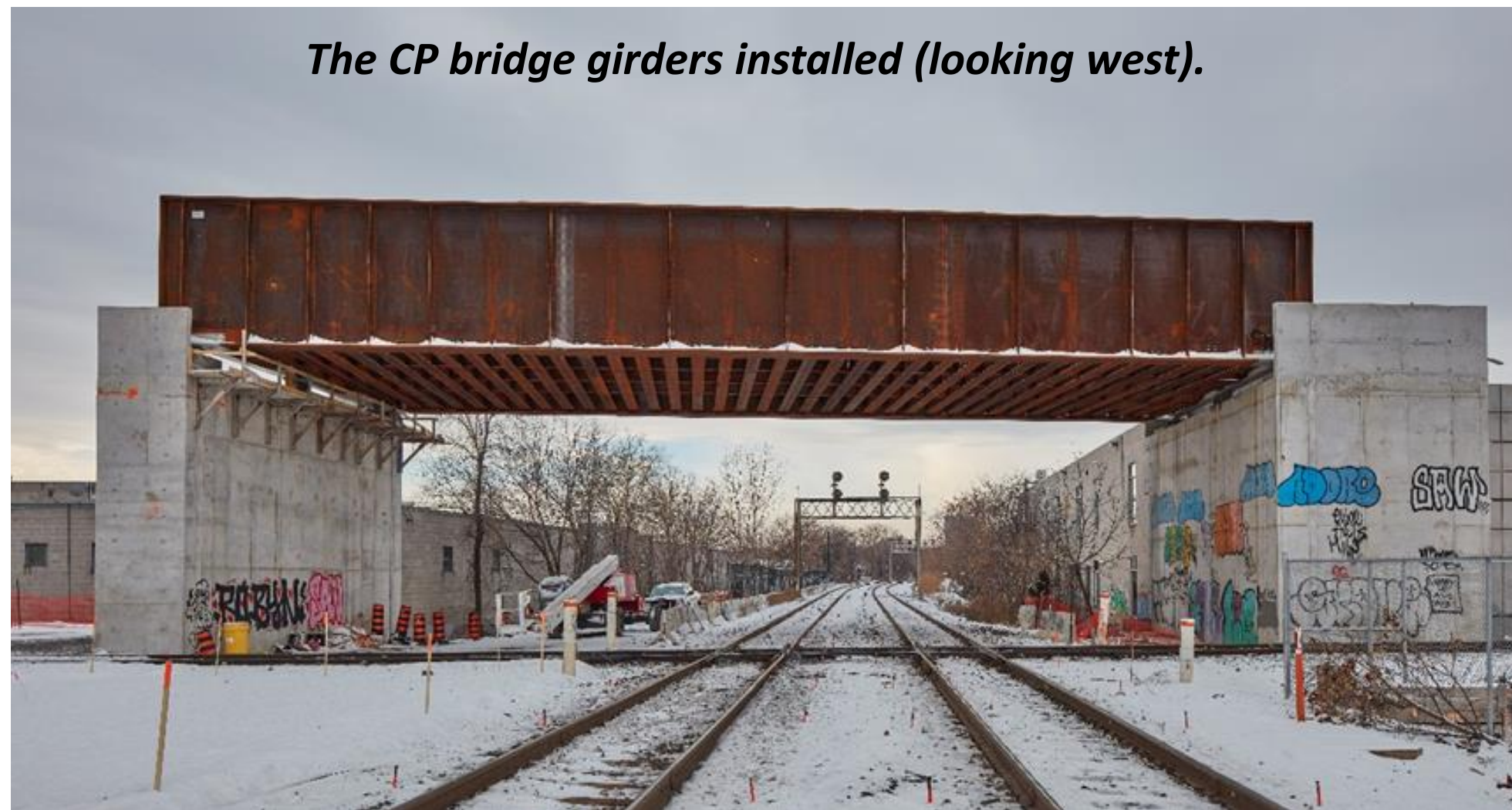
Crane setup on Bloor Street.

CONSTRUCTION ACTIVITY: UPCOMING

CP Bridge Deck

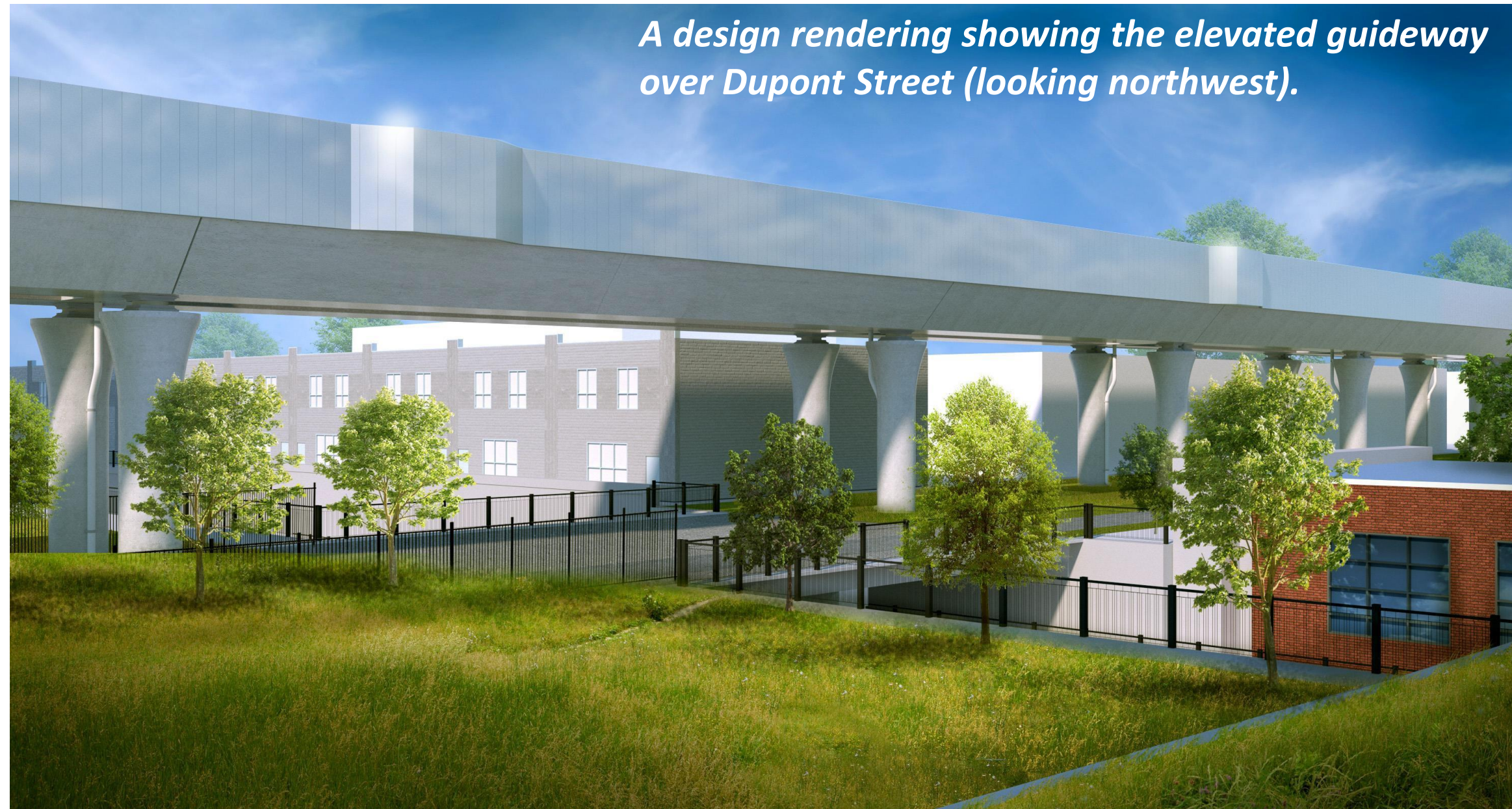
We have finished building the CP bridge north abutment and south transition wall on the two sides of the CP Rail tracks and installed the CP bridge girders. This will allow us to start installing the bridge deck in Spring 2022.

All graffiti will be covered prior to project completion.



CONSTRUCTION ACTIVITY: UPCOMING

Elevated Guideway - Girder Installation Overview



The elevated guideway portion of the project is made up of precast concrete girders.

Girders are large bridge segments that will support the track.

Start: April 2022 (Dupont girder installation).

Estimated completion: Summer 2022.

Schedule

We are currently identifying ways to carry out as much of this work as possible during the day. However, night work is inevitable in certain locations as passing trains pose a safety concern with the precast concrete girders being installed above. During night work, noise will be constantly monitored to make sure it remains within allowable limits. Should there be noise exceedances, an investigation will take place and mitigation measures will be implemented.

CONSTRUCTION ACTIVITY: UPCOMING

Dupont Street Bridge Girder Installation

The first concrete girders to be erected will be over the Dupont Street bridge.

The girders are transported into the corridor at Paton Road, placed onto a rail car, and driven to the Dupont bridge.

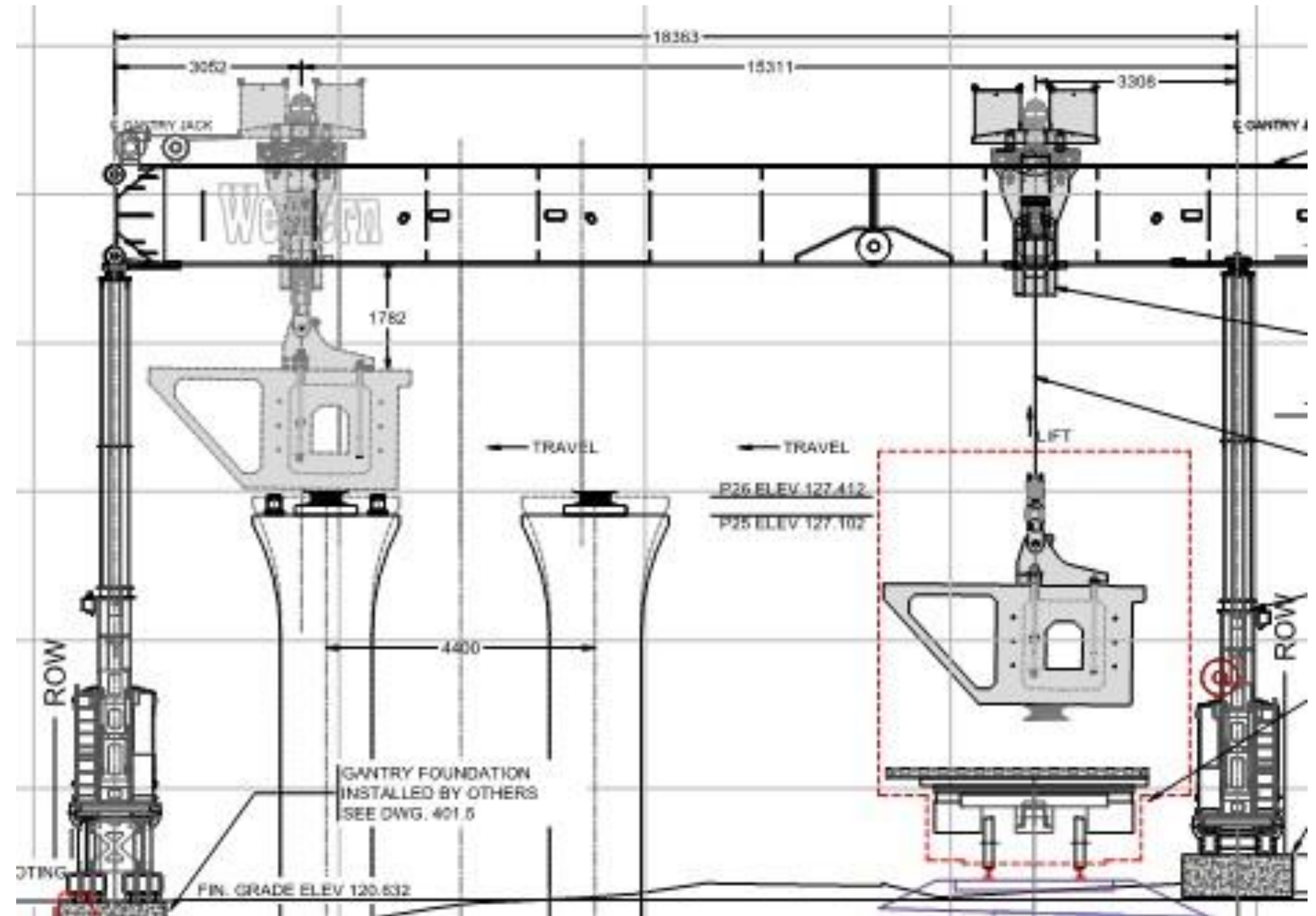
The girders will be erected with a gantry crane that is set up over the diversion track on the existing Dupont bridge over Dupont Street.

Work will take place overnight when trains are not running.

What to expect:

- Multiple overnight full road closures April 04 to April 17 9:00 p.m. to 6:00 am
- Residents in the immediate area can expect increased construction activity and noise associated with engine of crane setup on road, as well as rail cars travelling along the corridor between Paton Rd and Dupont St

A notice with additional details has been provided to the surrounding community.



Gantry crane setup over Dupont Bridge.

COMMITTEE DISCUSSION & QUESTIONS

HOW TO STAY INFORMED & OUR NEXT CLC MEETING

KEEPING YOU INFORMED

Communication Methods:

- **Construction Liaison Committee (CLC)**
- Emails to Mailing List
- Weekly E-newsletter
- Construction Notices
- Project Website Updates
- Frequently Asked Questions (FAQ)
- Sharing through elected officials (e-newsletter)
- Metrolinx News Blog
- Wayfinding and Signage

Engagement Tools:

- Virtual Open Houses via Metrolinx Engage
- Working or Advisory Group meetings
- Business Liaison
- Public Meetings (on hold)
- Technical Tours (on hold)
- Pop Ups (on hold)
- Special Events (on hold)



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Follow us: [@GOExpansion](https://twitter.com/GOExpansion)

Questions or comments: TorontoWest@metrolinx.com or 416-202-6911

Stefany Stadnyk & Colin Burns, Community Relations and Issues Specialists

NEXT CLC MEETING

- Our next CLC meeting will be held on: Monday, April 25th, 2022, from 5-6 p.m.
- Calendar invites will follow.

THANK YOU & STAY SAFE