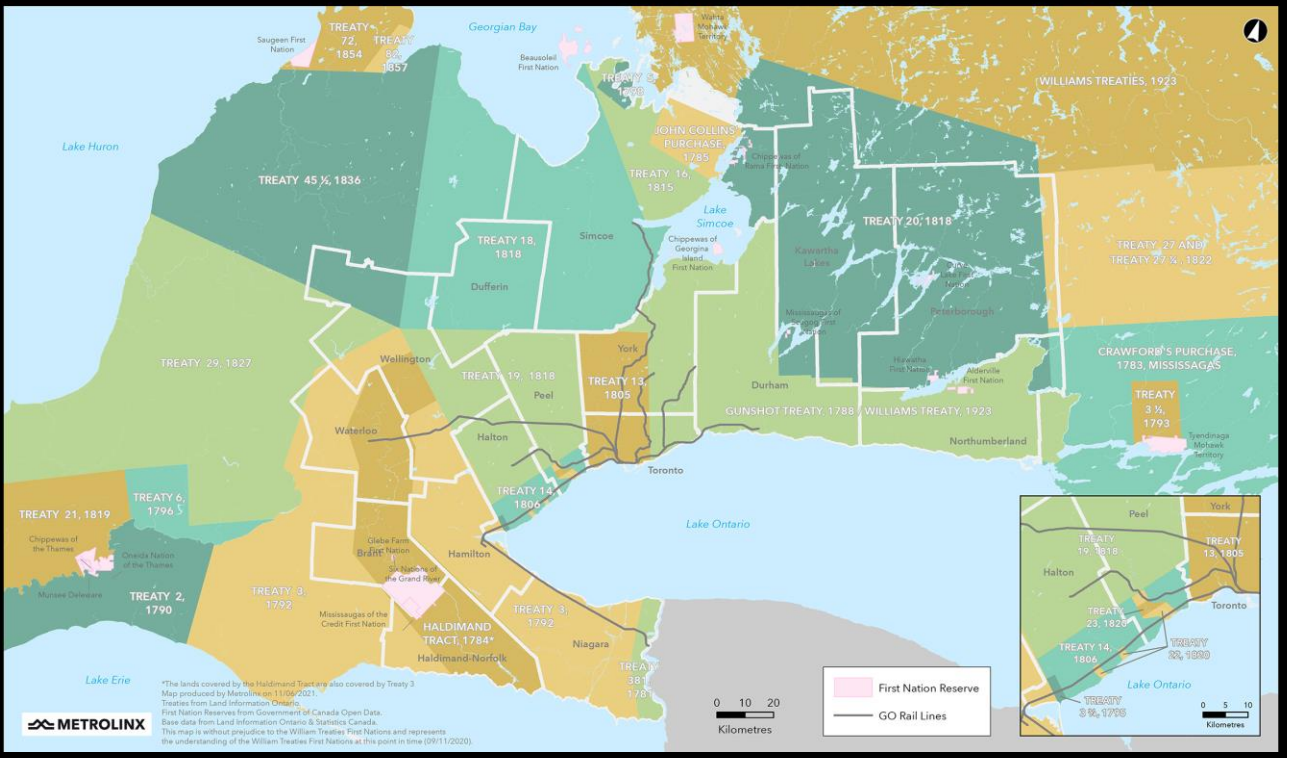
# Land Acknowledgement

Treaties and Reserves in the Greater Golden Horseshoe




Ontario Line | Pape-Cosburn & Minton Place CLC

Let us take a moment to acknowledge we are on lands that have been, and continue to be, home to many Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Huron-Wendat peoples.

We are all Treaty people. Many of us have come here as settlers, as immigrants or involuntarily as part of the trans-Atlantic slave trade, in this generation, or generations past.

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

We acknowledge that Metrolinx operates on territories and lands covered by many treaties that affirm and value the rights of Indigenous communities, Nations and Peoples.

We understand the importance of working towards reconciliation with the original caretakers of this land. At Metrolinx, we will conduct business in a manner that is built on a foundation of trust, respect and collaboration.

# Ontario Line

# Construction Liaison Committee

# Pape-Cosburn & Minton Place

November 20, 2024

# AGENDA

## 1. Pape-Cosburn

- Ongoing Works
- Demolitions Update
- 1052 Pape Laydown Area
- Station Preliminary Works & Methodology

## 2. Minton Place Portal

- Completed and Ongoing Works
- Upcoming Works
- Noise Exceedance Data – October
- October Utility Strike Investigation Findings

## 3. Don Valley Crossing

- Completed and Ongoing Works
- Upcoming Works

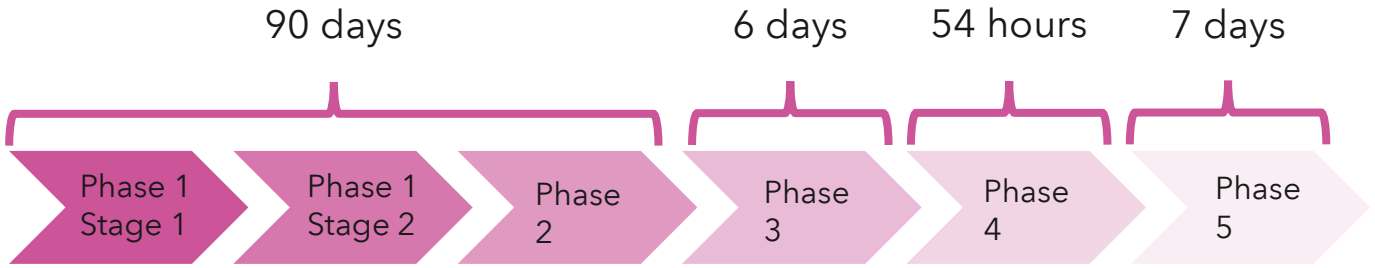
## 4. CLC Action Log

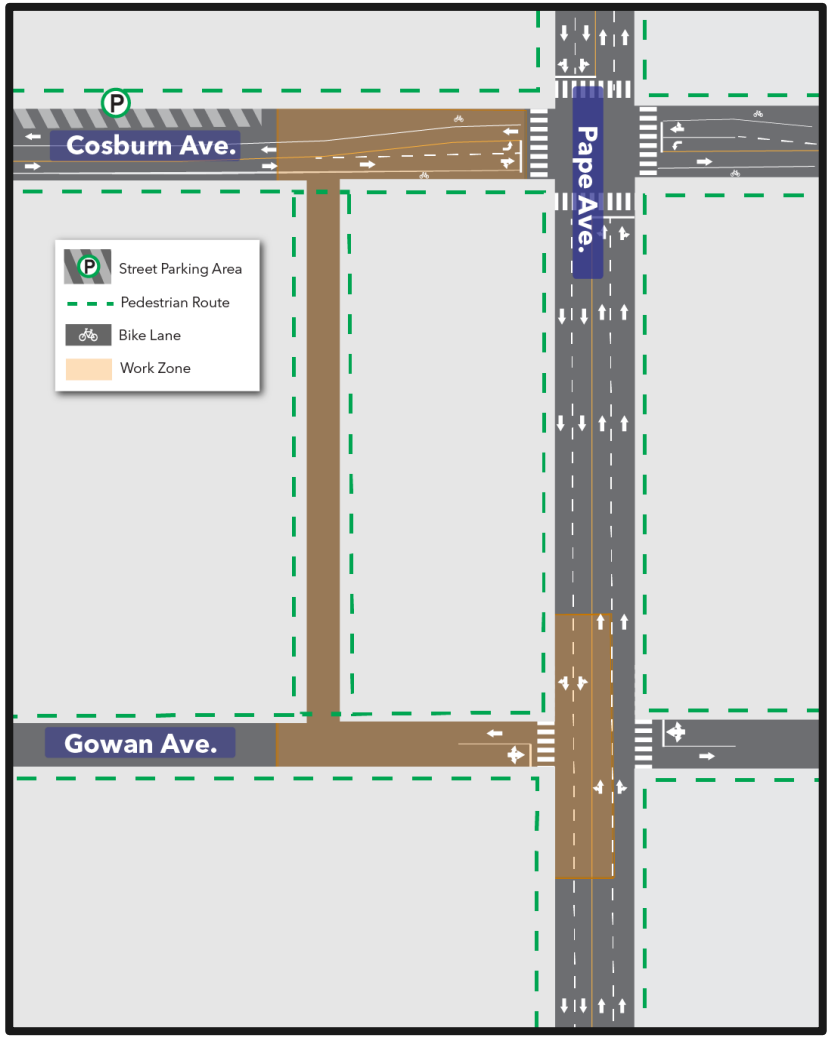
## 5. Discussion

# Pape-Cosburn Ongoing Works

# Pape-Cosburn Sewer Relocation

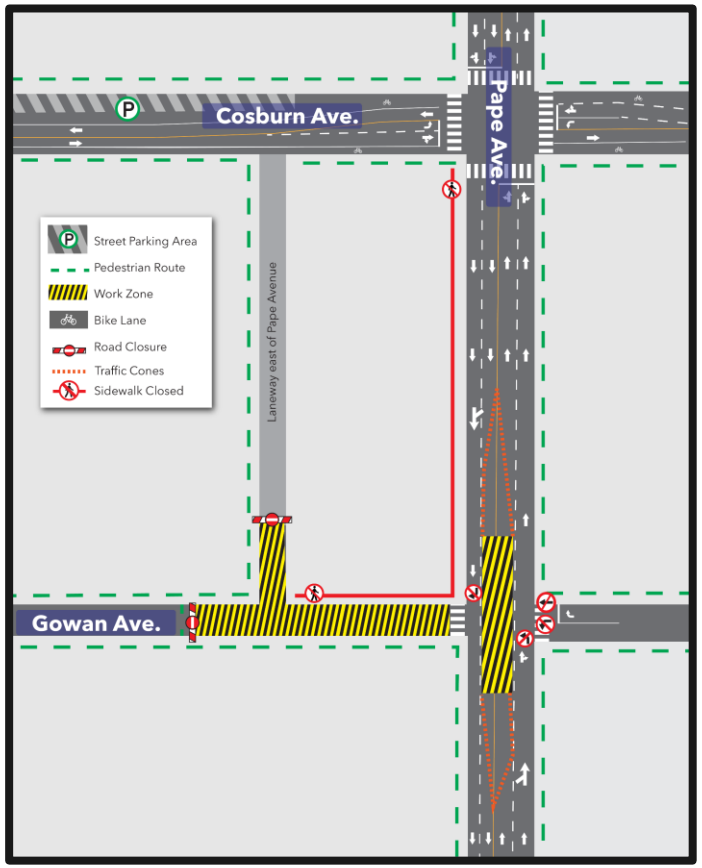
- Clearway will begin relocating the sewer situated below Pape Avenue to the laneway west of Pape between Cosburn Avenue and Gowan Avenue in November.
- **Work on Phase 1 began on November 14.**
- The sewer and watermain are being relocated to accommodate the future excavation and construction of Cosburn Station.
- The new sewer will be constructed with a micro-tunnelling machine below the laneway.
- Work will be done through five primary phases.
- Hours of work are Monday to Saturday 24 hours a day and work is expected to be completed within four months.




*Total footprint of sewer relocation works*

# Pape-Cosburn Sewer Relocation – Phase 1 (Stages 1 & 2)



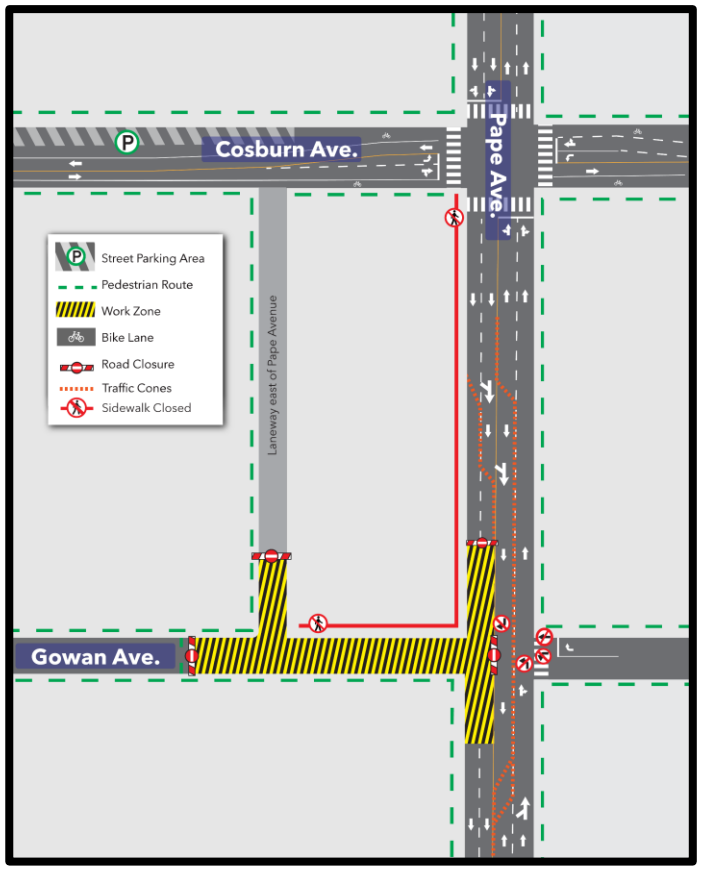

*Phase 1, Stage 1*

**Stage 1 Description:**

- Sewer removal and water main relocation in two centre lanes of Pape Ave
- Micro tunnel-boring machine (TBM) launch shaft construction on Gowan Ave

**Key Impacts:**

- Centre lane restrictions on Pape Ave
- Full closure of Gowan approaching Pape Ave
- Laneway entrance closure at Gowan Ave
- Right turns only from westbound Gowan onto Pape Ave
- Sidewalk closure on west side of Pape, south of Cosburn and north of Gowan




*Phase 1, Stage 2*

**Stage 2 Description:**

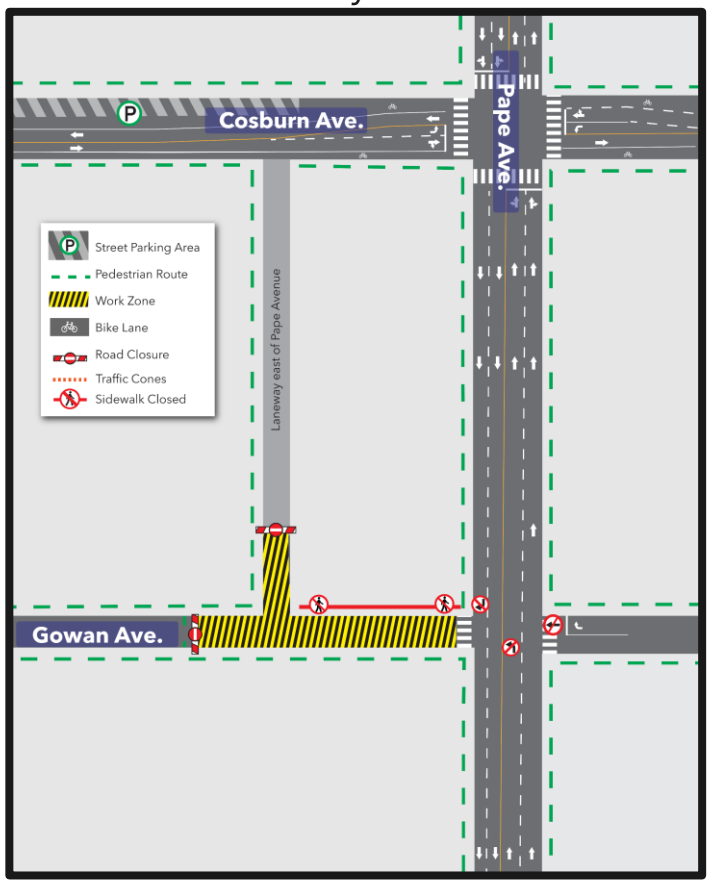
- Sewer removal and water main relocation in two southbound lanes of Pape Ave
- Micro TBM launch shaft construction on Gowan Ave

**Key Impacts:**

- Southbound lane restrictions on Pape Ave
- Full closure of Gowan approaching Pape Ave
- Laneway entrance closure at Gowan Ave
- Right turns only from westbound Gowan onto Pape Ave
- Sidewalk closure on west side of Pape, south of Cosburn and north of Gowan

# Pape-Cosburn Sewer Relocation – Phase 2 & 3

Duration: 45-50 days




*Phase 2*

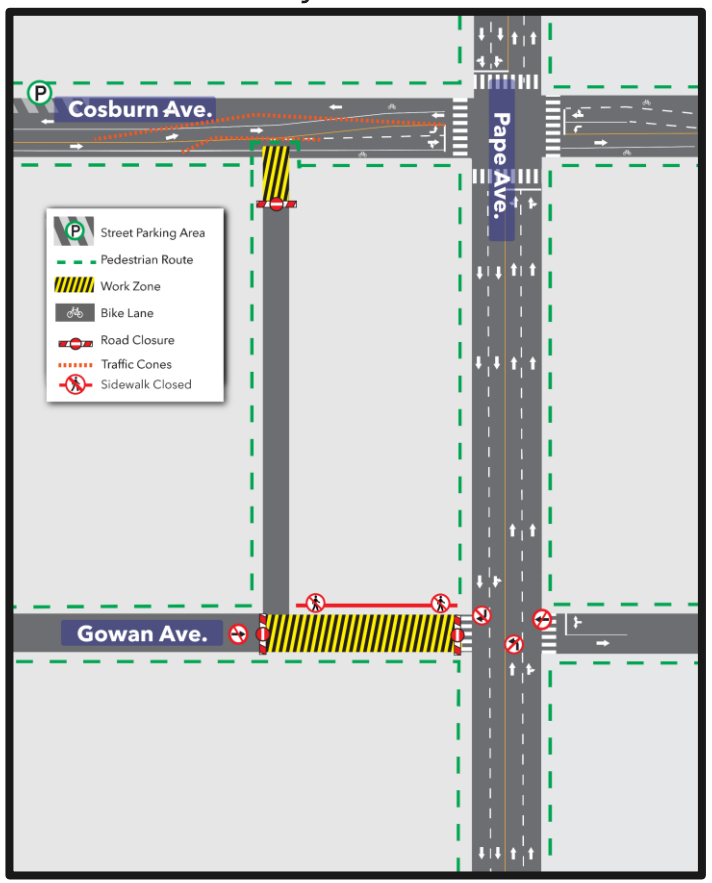
**Phase 2 Description:**

- Micro TBM launch shaft construction on Gowan Ave
- Micro TBM launch and tunnelling northward within the laneway

**Key Impacts:**

- Full closure of Gowan approaching Pape Ave
- Laneway entrance closure at Gowan Ave
- Sidewalk closure on north side of Gowan

Duration: Six days




*Phase 3*

**Phase 3 Description:**

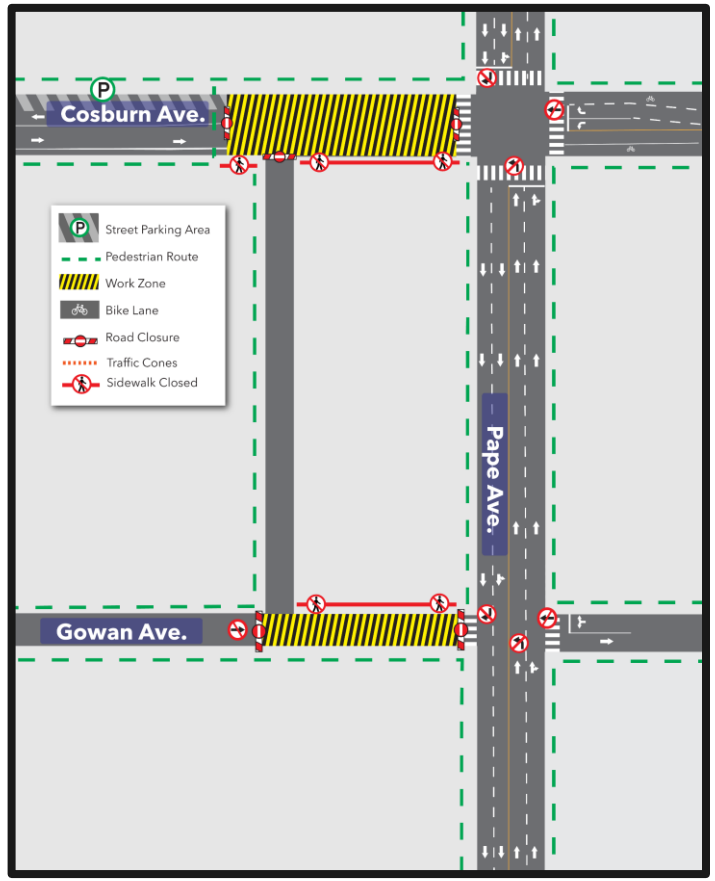
- Micro TBM receiving shaft construction
- Conclusion of sewer tunnelling
- Micro TBM launch shaft construction on Gowan Ave

**Key Impacts:**

- Full laneway closure to cars (pedestrian access maintained)
- Lane restrictions on Cosburn (traffic maintained)
- Full closure of Gowan approaching Pape Ave
- Minor pedestrian re-rerouting at north end of laneway
- Sidewalk closure on north side of Gowan

# Pape-Cosburn Sewer Relocation – Phase 4 & 5

Duration: 54 hours (one weekend)




*Phase 4*

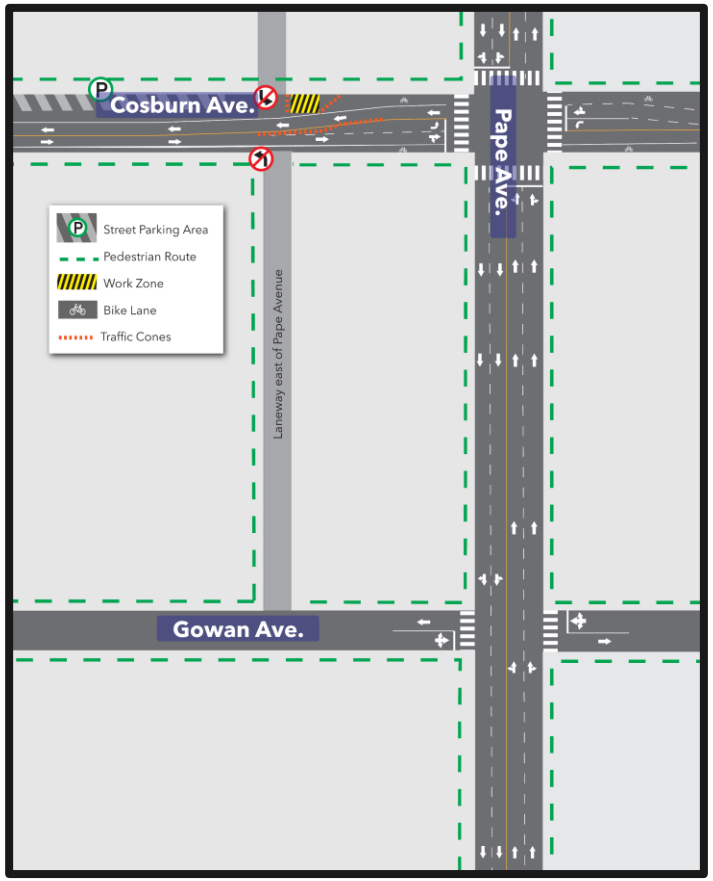
**Phase 4 Description:**

- Micro TBM extraction on Cosburn Ave

**Key Impacts:**

- Full closure of Cosburn approaching Pape Ave
- TTC buses re-routed for weekend (TTC to communicate full details)
- Sidewalk closure on south side of Cosburn near work zone
- Sidewalk closure on north side of Gowan
- Full closure of Gowan approaching Pape Ave
- Full closure of laneway

Duration: One Week




*Phase 5*

**Phase 5 Description:**

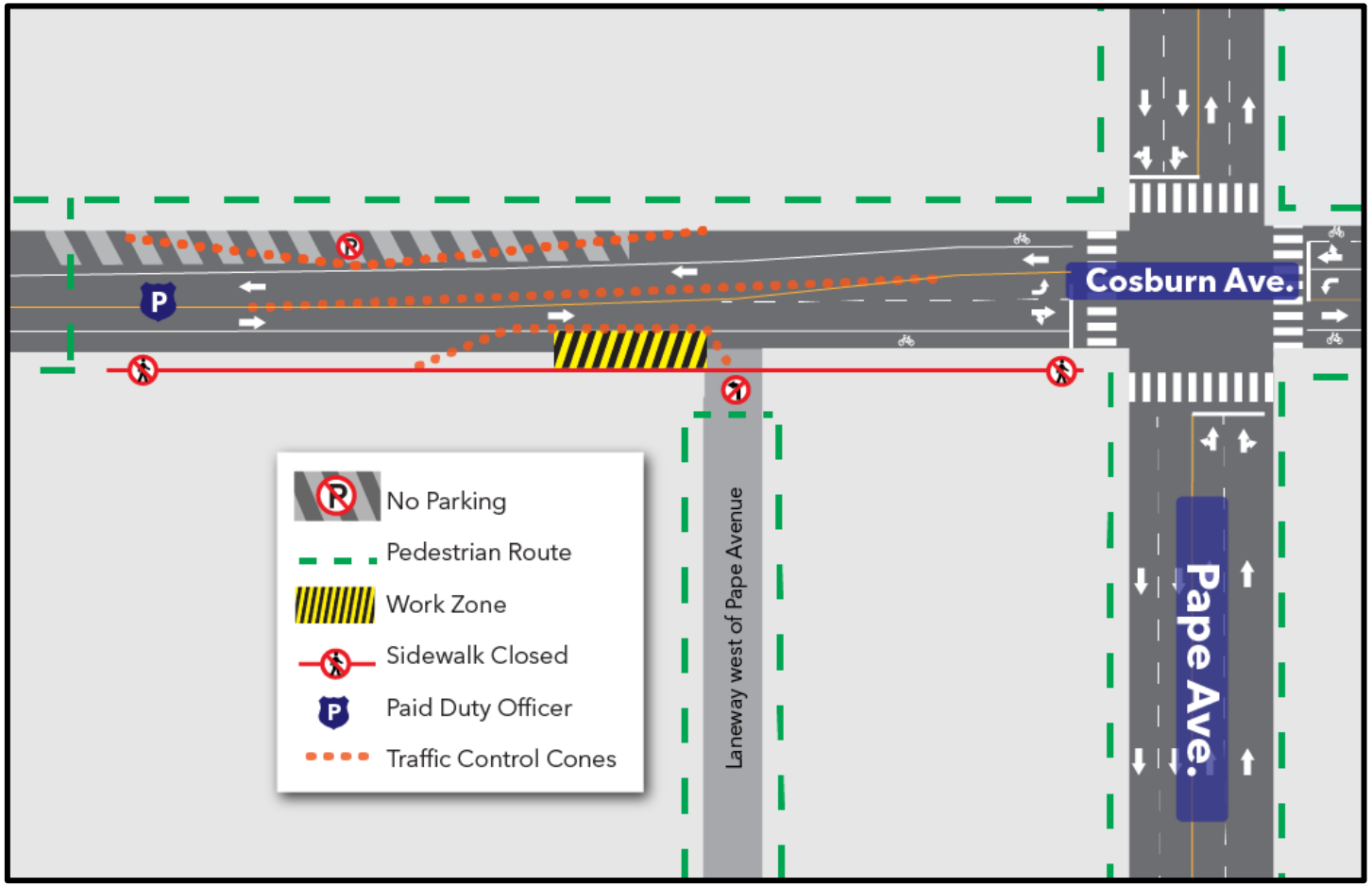
- Sewer gate valve construction on north side of Cosburn Ave

**Key Impacts:**

- Lane occupancy on north side of Cosburn Ave (traffic maintained)
- No left turns out of laneways northbound or southbound onto Cosburn Ave
- Laneway reopened between Gowan Ave and Cosburn Ave

# Toronto Hydro Relocations

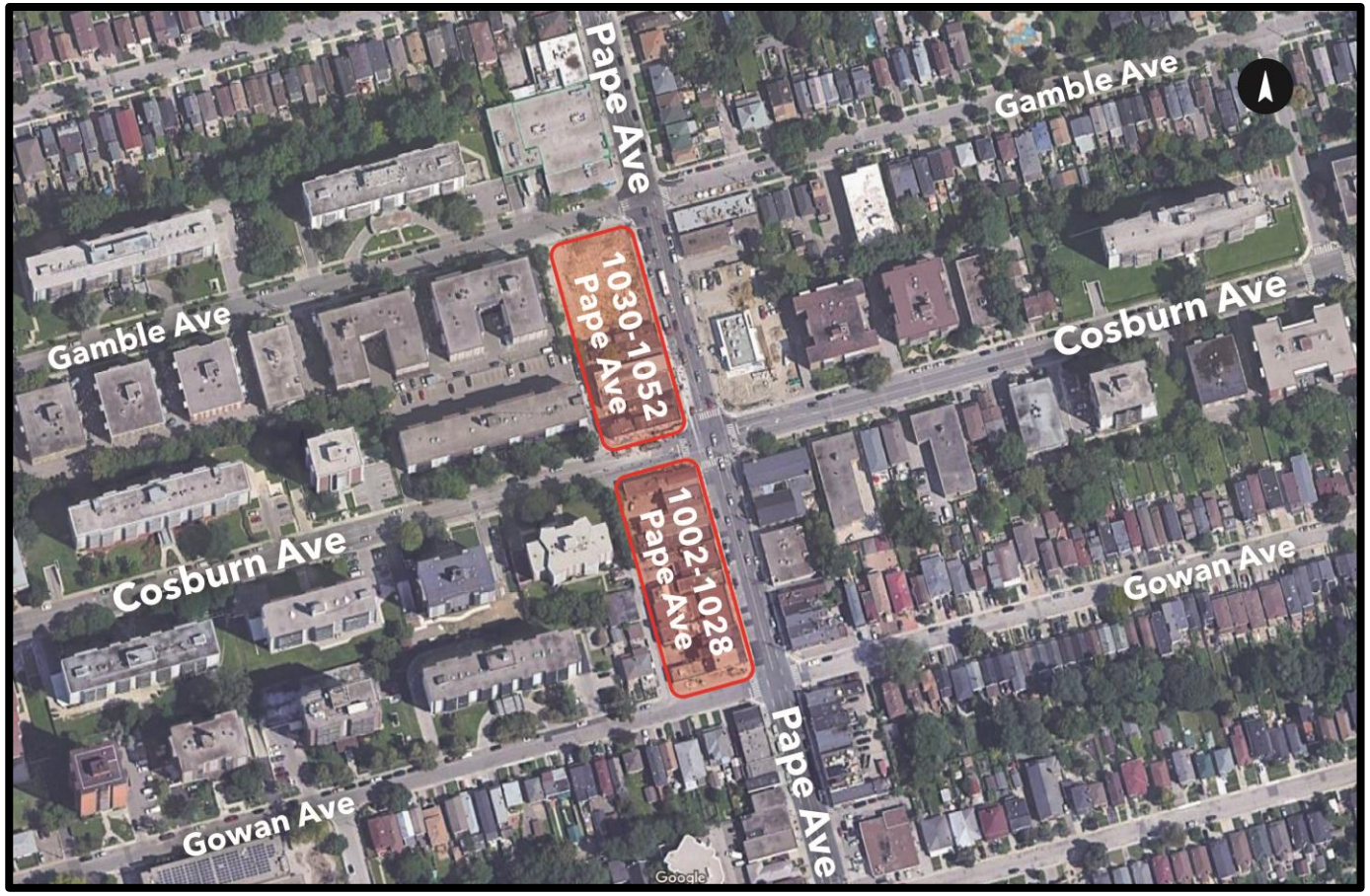
- Starting later this year, Toronto Hydro will be building two adjacent hydro chambers on Cosburn Avenue.
- The chamber builds will take approximately three months in total.
- This work is being managed independently by Toronto Hydro and its subcontractor.
- This work is pending permits.




*Properties to be demolished are outlined in red.*

# Upcoming Demolitions

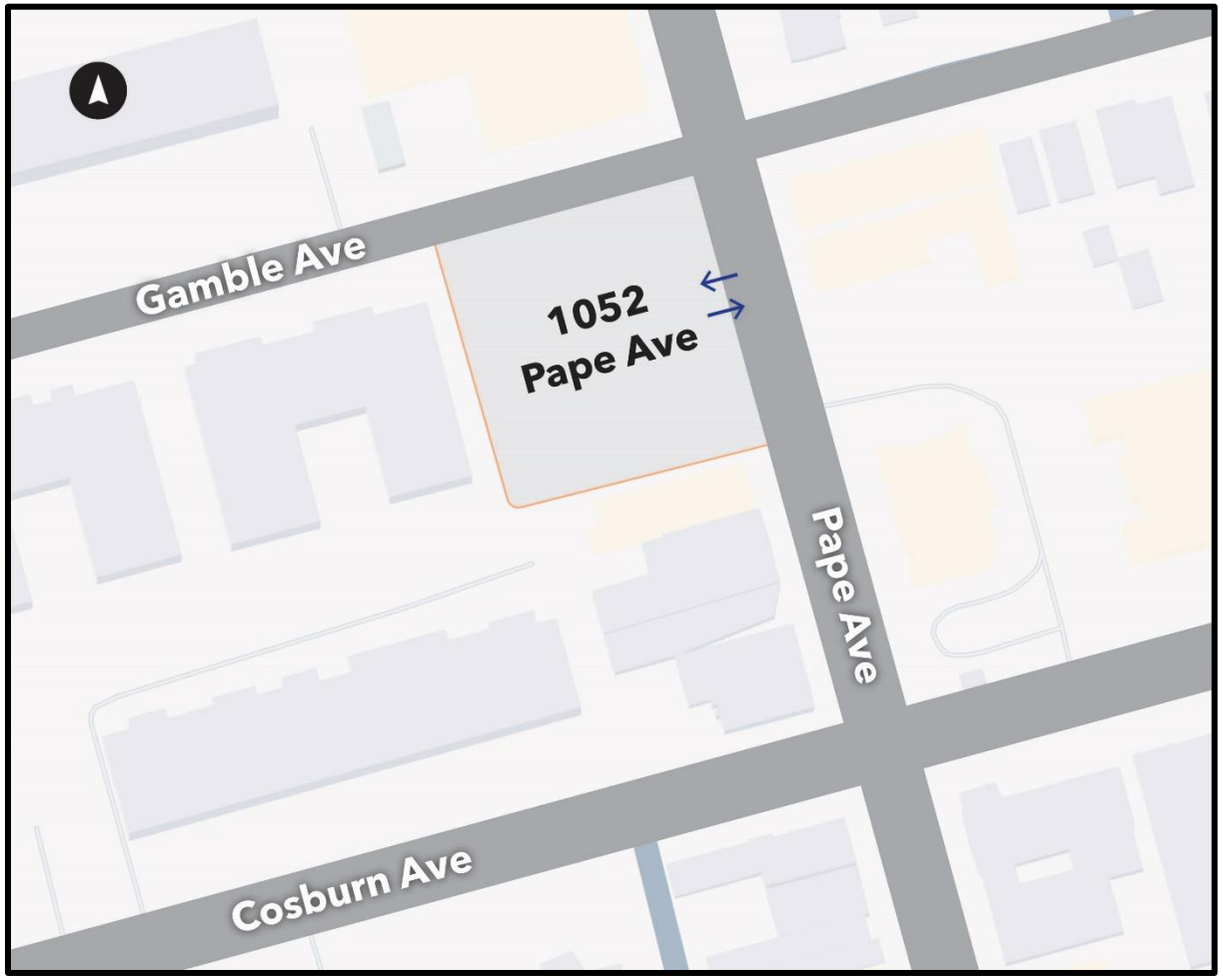
- Demolitions of the Metrolinx-owned properties on the west side of Pape Avenue between Gowan Avenue and Gamble Avenue will commence in Winter 2025.
- More details will be shared via construction notice and at an upcoming CLC.




*Properties to be demolished are outlined in red.*

# 1052 Pape Avenue Laydown Area

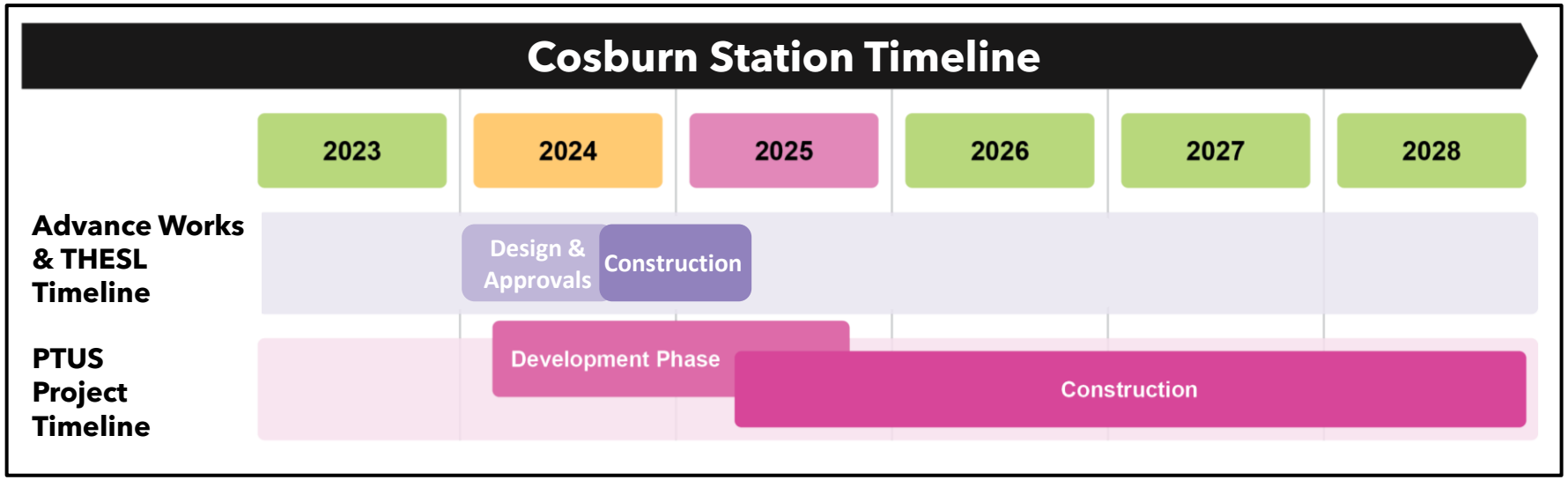
- Starting in November,1052 Pape Avenue will be used as a temporary laydown area for construction work currently ongoing at Pape Station.
- Equipment stored at this site will include rebar cages. Additionally, machinery to move the rebar cages will be seen on site.
- Access from this site will happen from a gate on Pape Avenue. All incoming and outgoing traffic will be assisted by flaggers.



# Cosburn Station Updates

- Since the previous CLC, the station team has made progress on:
  - Reviewing the preliminary designs and kicking off the enhanced design phase
  - Coordinating the site logistics with other Ontario Line contractors (such as 1052 Pape)
  - Construction planning and coordination for demolitions works and support of excavation (SOE)

**Construction of the PTUS project is anticipated to begin at Cosburn Station with demolitions in early 2025.**



# Slurry Wall Construction

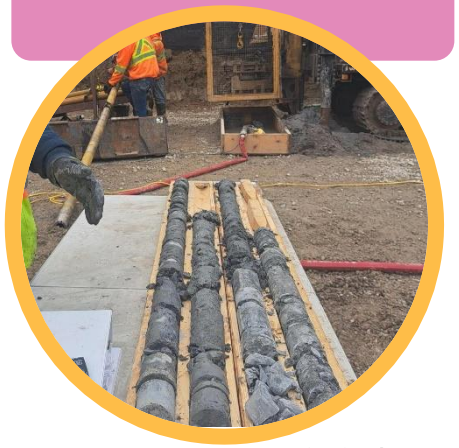
Excavation supporting (SOE) walls and underground foundations are commonly constructed using piling, a technique in which columns are pounded into the ground and drilled, then filled with rebar and concrete. Cosburn Station's SOE walls and foundation will be built using slurry wall construction.

## What method is being used to build the foundation?

A slurry wall is the technique being used to build reinforced concrete walls as the foundation. This technique is being used currently further south on Pape Ave at Pape Station and the Sammon Emergency Exit Building.

## How was this technique chosen?

Engineers consider many factors when choosing the best method for the job. This includes the properties of the soil, the size of the site, the surrounding structures, and many others.



## Why is it called a slurry wall?

Slurry, a mixture of water and clay, is pumped into the holes that crews dig to build the station's foundation. The thick and dense properties of the slurry keep the holes stable and safe.

## What are the advantages of using a slurry wall?

Building a slurry wall causes less vibration and keeps the surrounding soil more stable. It also produces a more consistent level of noise, rather than loud peaks associated with piling.

# Minton Place Portal Ongoing Works

# Minton Portal – October to November Progress

- Both environmental and geotechnical monitoring instrumentation continues to be installed on-site
- Phase 1 of the major excavation works is now all but complete.
- Compaction of granular within work area to create an engineered crane pad platform has commenced, which also involves the use of excavators, dozers, and dump trucks.
- Temporary fencing has been installed at the Minton Place Portal work area, which partially encroaches onto Minton Place.
- Monitoring points for utilities are currently being installed.

# Minton Place Portal Upcoming Works

# Upcoming Works

Concrete barriers are to be installed along the Minton Place Portal site starting the week of November 25, 2024, as shown in the diagram to the right.

# Eight Week Look-Ahead: November 18, 2024 – January 18, 2025

| # | Activity | Location | Expected Start | Expected Duration | Impact | Hours of Work | Mitigations |
|---|---|---|---|---|---|---|---|
| 1 | Set up of site trailers and compound | Minton Portal | August 29 | TBD | | 7:00 am 5:30 pm | |
| 2 | Phase 1 excavation | Minton Portal | September | 5 weeks | Vibration, noise, air quality | 7:00 am 5:30 pm | Noise barrier, reducing speed of work, altering construction equipment used, vibration monitoring, noise monitoring, air quality monitoring |
| 3 | Backfilling for crane pad installation | Minton Portal | November 7 | 1 week | Vibration, noise, air quality | 7:00 am 5:30 pm | Noise barrier, reducing speed of work, altering construction equipment used, vibration monitoring, noise monitoring, air quality monitoring |
| 4 | Create granular laydown area | Minton Portal | December 13 | 6 weeks | Traffic, air quality | 7:00 am 5:30 pm | Monitoring of traffic control plans, traffic control personnel, air quality monitoring, dust suppression as required. |



*Note: all dates are subject to change as construction planning progresses*

# Eight Week Look-Ahead: November 18, 2024 – January 18, 2025

| # | Activity | Location | Expected Start | Expected Duration | Impact | Hours of Work | Mitigations |
|---|---|---|---|---|---|---|---|
| 5 | Zone 1 Secant Pile Installation | Minton Portal | November 30 | 4 months | Vehicular traffic, vibration, noise | 7:00 am 5:30 pm | Monitoring of traffic control plans, traffic control personnel, vibration monitoring, noise monitoring |
| 6 | Slope soil nails and soil anchors | Minton Portal | November 25 | 5 months | Vehicular traffic, vibration, noise | 7:00 am 5:30 pm | Monitoring of traffic control plans, traffic control personnel, vibration monitoring, noise monitoring |
| 7 | Temporary concrete barrier installation | Minton Portal | November 27 | 3 days | Traffic restrictions, vehicular traffic | 7:00 am 5:30 pm | Monitoring of traffic control plans, traffic control personnel |
| 8 | Portal Support of Excavation | Minton Portal | January 4, 2025 | | Air quality, vibration, noise, vehicular traffic, traffic restrictions | 7:00 am 5:30 pm | Dust suppression [water trucks and spraying], vibration monitoring, noise monitoring, monitoring of traffic control plans, traffic control personnel |



*Note: all dates are subject to change as construction planning progresses*

# Noise, Vibration and Air Quality Exceedance Data

# Monitor Locations: Noise, Vibration & Air Quality

**Please note:**

- Yellow dots represent monitor locations
- There were no noise exceedances in October 2024

# Exceedances October 2024

| # | Day/Time of Exceedances | Detail | Location | Source | Corrective Action | Complaint Received? |
|---|---|---|---|---|---|---|
| 1 | Monday, October 21, 2024 Afternoon | Vibration | Minton Portal | Excavation | Contractor slowed down operations to reduce vibrations | No |
| 2 | Monday, October 21, 2024 Afternoon | Air quality | Minton Portal | Struck gas line | Hydrovac used to expose gas line. Enbridge was contacted to fix gas line. LVB completed backfilling thereafter. | Yes |
| 3 | Monday, October 22, 2024 Afternoon | Vibration | Minton Portal | Moving Air, Noise, and Vibration unit | | No |
| 4 | Monday, October 28, 2024 Afternoon | Vibration | Minton Portal | Moving Air, Noise, and Vibration unit | | No |

**Please note:** There were no noise exceedances in October 2024

# October Utility Strike Incident Investigations

# Utility Protection Action Plan

## Telecommunication Utilities

- LVB has created a Delivery Coordination Document that details:
  - the route to the site,
  - any hazards that may be encountered with an oversized load,
  - clear instructions for drivers upon arrival,
  - the requirement to stop and notify the site supervisor after leaving a main thoroughfare onto residential or site access road for further instruction and guidance.

## Enbridge Utilities

- LVB has:
  - created a pre-dig hazard assessment/permit to ensure that all excavation and utility location works are assessed prior to undertaking any excavation work.
  - updated their Excavation, Trenching and Backing Work Procedure to include a section on utility verification by hand digging.
  - held a Toolbox Talk the following day on Excavation Safety and communicated with all LVB site workers and field supervisors.

# Don Valley Crossing Ongoing Works

# Don Valley Crossing – October to November Progress

- Clearing and grubbing continues to construct access roads for the Don Valley Crossing sites.
- Access and laydown area establishment is underway for four of the five piers.
- Site mobilization, including site trailers, has been completed for the Don Valley Crossing project.
- Fencing has been installed the work area.
- Excavation of the laydown area continues at the work areas for four of the five piers.
- Traffic controls are in place on Redway Road, leading to the Don Valley Crossing work areas. Traffic lights have been installed to direct the flow of traffic.

# Don Valley Crossing Upcoming Works

# Don Valley Crossing – Upcoming Works

| # | Activity | Location | Expected Start | Expected Duration | Impact | Hours of Work | Mitigations |
|---|---|---|---|---|---|---|---|
| 1 | Clearing and grubbing and environmental control installation | Don Valley Crossing | October 25 | May 13/25 | Noise, air quality | 7:00am 5:30pm | Monitoring noise and air quality levels. Enacting noise mitigation controls and dust suppression as required. |
| 2 | Access Road Construction | Don Valley Crossing (Piers A2, A4, A5) | October 30 | Feb 21/25 | Noise, Vibration, Air Quality | 7:00am 5:30pm | Monitoring noise, vibration, and air quality levels. Enacting noise and vibration mitigation controls and dust suppression as required. |
| 3 | Slope Stabilization | Don Valley Crossing (Pier A3) | November 1 | April 29/25 | Noise, Vibration, Air Quality | 7:00am 5:30pm | Monitoring noise, vibration, and air quality levels. Enacting noise and vibration mitigation controls and dust suppression as required. |
| 4 | Pier Piling | Don Valley Crossing (Pier A2) | December 20 | March 24/25 | Noise, Vibration, Air Quality | 7:00am 5:30pm | Monitoring noise, vibration, and air quality levels. Enacting noise and vibration mitigation controls and dust suppression as required. |

# Action Log

# Pape-Cosburn & Minton Place CLC Action Log

| # | Questions Asked / Action Item | Response/Resolution | Due Date / Status |
|---|---|---|---|
| 1 | **Minton Place:** Community members have expressed concerns with vibration in the area and are requesting monitors for homes. | • Vibrations are monitored on a continuous basis and if there are any exceedances then corrective measures will be taken.<br>• Metrolinx is exploring the relocation of vibration monitors to the front lawns of homes on Minton Place, which will be more reflective of vibratory impacts. This is dependent on Metrolinx receiving permission to enter the properties from the homeowners.<br>• It is important to note that if you feel vibration that does not necessarily mean that the limits are being exceeded. Vibration is perceptible at .14 mm/per second. However, the by-law limit is 8 mm/per second.<br>• With that said, Metrolinx can provide vibration pads for large items such as stoves, fridges or beds.<br>• The most impactful vibratory work has been completed (compaction), but there will be future vibratory work including from Caisson construction. | |
| 2 | **Minton Place:** Is Metrolinx willing to share vibration data with the CLC and community members? | • Yes, we will be doing so in a go forward fashion at each CLC. | |
| 3 | **Minton Place:** Dust is a concern. What can be done to address it? | • There were no air quality exceedances in October or November in Minton Place.<br>• Metrolinx will provide car wash vouchers (Circle K car wash) to any community members in the Minton Place area that request this. | |

# Pape-Cosburn & Minton Place CLC Action Log

| # | Questions Asked / Action Item | Response/Resolution | Due Date / Status |
|---|---|---|---|
| 4 | **Minton Place:**<br>**On-street parking**<br>There are concerns related to parking on residential streets near to the site. | • Metrolinx recognizes that there are continued parking impacts from City of Toronto work and a film production. However, Metrolinx and LVB are also working continuously to avoid parking in the nearby area.<br>• Allowing parking on both sides of **Hopedale Avenue** would restrict travel routes in the neighbourhood.<br>• Metrolinx trucks were staging on **Stanhope Avenue**, but the drivers have been instructed to not stage there anymore. Please note that a film production was also using **Stanhope Avenue** to park their vehicles. | |
| 5 | **Minton Place:**<br>**Driveway Access**<br>There have been concerns about driveway access on Minton. In particular, 152 and 154 Hopedale which have driveways on Minton are having issues getting in and out. | • Staging has been modified to accommodate driveway access.<br>• In addition, when the hoarding is installed, Metrolinx and LVB will work with all impacted homeowners on an individual basis to ensure sufficient turn radius and will provide alternative on-street parking permits, if necessary. | |
| 6 | **Minton Place:**<br>How will snow removal work in the winter? | • On **Hopedale Avenue** where the City of Toronto can maintain snow removal it will remain the City's responsibility.<br>• On **Minton Place** Metrolinx and LVB will provide snow removal services where the hoarding is installed; these services will be for the roadway and sidewalk. Individual homeowners remain responsible for their driveway clearance. | |

# Discussion