

The Ontario Line

Pape-Cosburn & Minton Place Open House

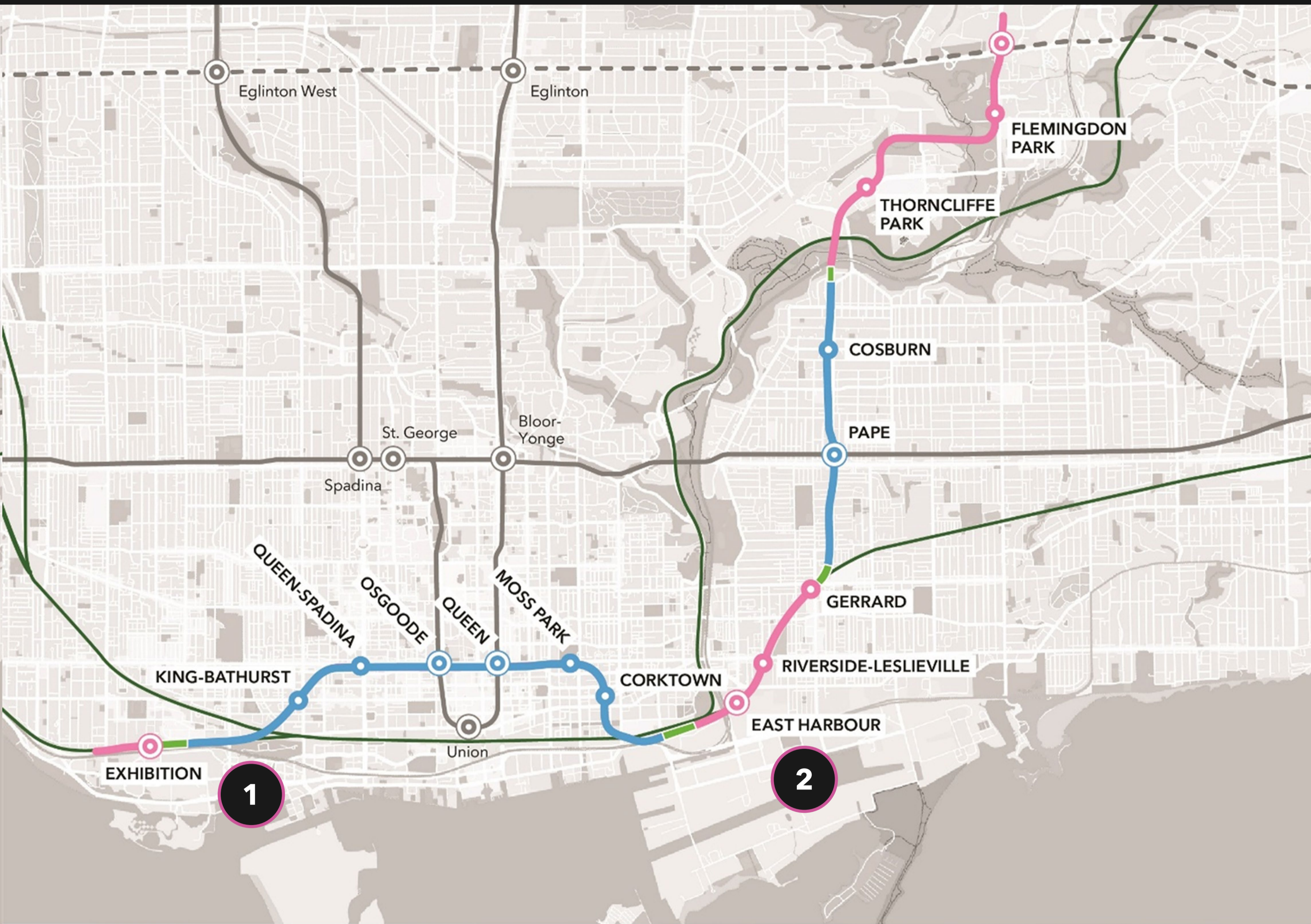
August 13, 2024

East York Community Centre, Gymnasium A
1081 ½ Pape Ave, Toronto

 METROLINX



Ontario Line Subway



— At Grade / Elevated
 Station
 — Existing GO Rail
 - - - Future Line 5 Eglinton
— Tunnelled
 Interchange Station
— Tunnel Portal
— Existing Subway

1 South Alignment of Ontario Line
(Exhibition to Corktown/
Don Yard)

2 North Alignment of Ontario Line
(East Harbour to Don Mills and
Eglinton)



15.6 kilometres long



15 stations



As frequent as every 90 seconds during rush hour



227,500 more people within walking distance to transit



388,000 daily boardings



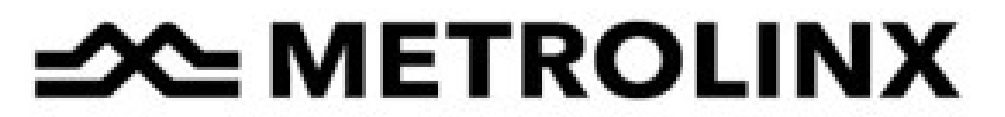
40+ connections to other transit options



Up to 47,000 more jobs accessible in 45 minutes or less, on average



28,000 fewer cars off the road each day

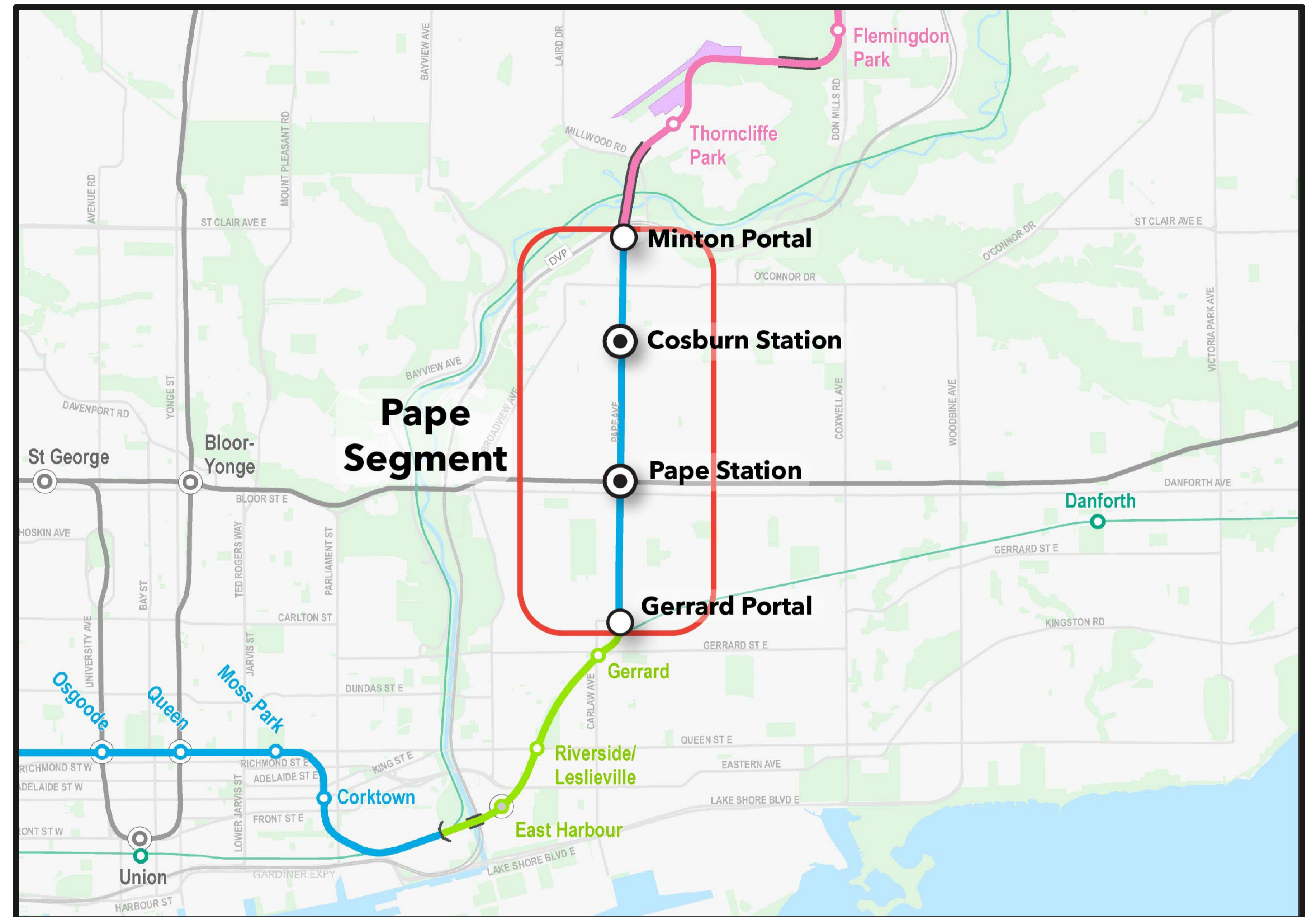


Pape Segment Overview

The Pape Segment of the Ontario Line consists of:

- two underground stations (Pape Station and Cosburn Station)
- two portals (Minton Place Portal and Gerrard Portal) which will allow trains to transfer from twin underground tunnels to surface-level or elevated segments, and;
- two emergency exit buildings (at Bain Avenue and Sammon Avenue).

Cosburn Station will be located on the west side of Pape Avenue just north of Pape and Cosburn. North of the station, the subway line will transfer onto the Don Valley Crossing via a portal just north of Minton Place.



Sewer Relocations

To accommodate the future excavation and construction of Cosburn Station, work is being done to relocate sewer infrastructure to the laneway west of Pape Avenue between Gowan Avenue and Cosburn Avenue. This new sewer will be constructed using a micro-tunnel boring machine.

Constructor: *Clearway Construction Inc.*

Timeline: Summer-Fall 2024



Example: Micro-tunnel under active rail line (Ontario Line work)

Portal and Bridge Construction

At the north end of Pape Avenue at Minton Place, crews will construct a portal through the side of the Don Valley as part of the Don Valley Crossings (DVC) contract. North of the portal, they will construct two bridges: one connecting Minton Place and Thorncliffe Park, and one connecting Thorncliffe Park and Flemingdon Park.

Constructor: Leaside Valley Builders

Timeline: 2024-2028



Rendering: Minton Portal and Don Valley Crossing

Station and Tunnel Construction

The Pape Tunnels and Underground Station (PTUS) constructor will build the stations and other major infrastructure on Pape Avenue, including Cosburn Station, as well as construct the twin bored tunnels under Pape Avenue. At Minton Place, they will take over the portal in 2028 and finalize construction in the area.

Constructor: Pape North Connect

Timeline: 2024-2031



Example: Toronto-York Spadina Subway Extension (TYSSE) Tunnel.

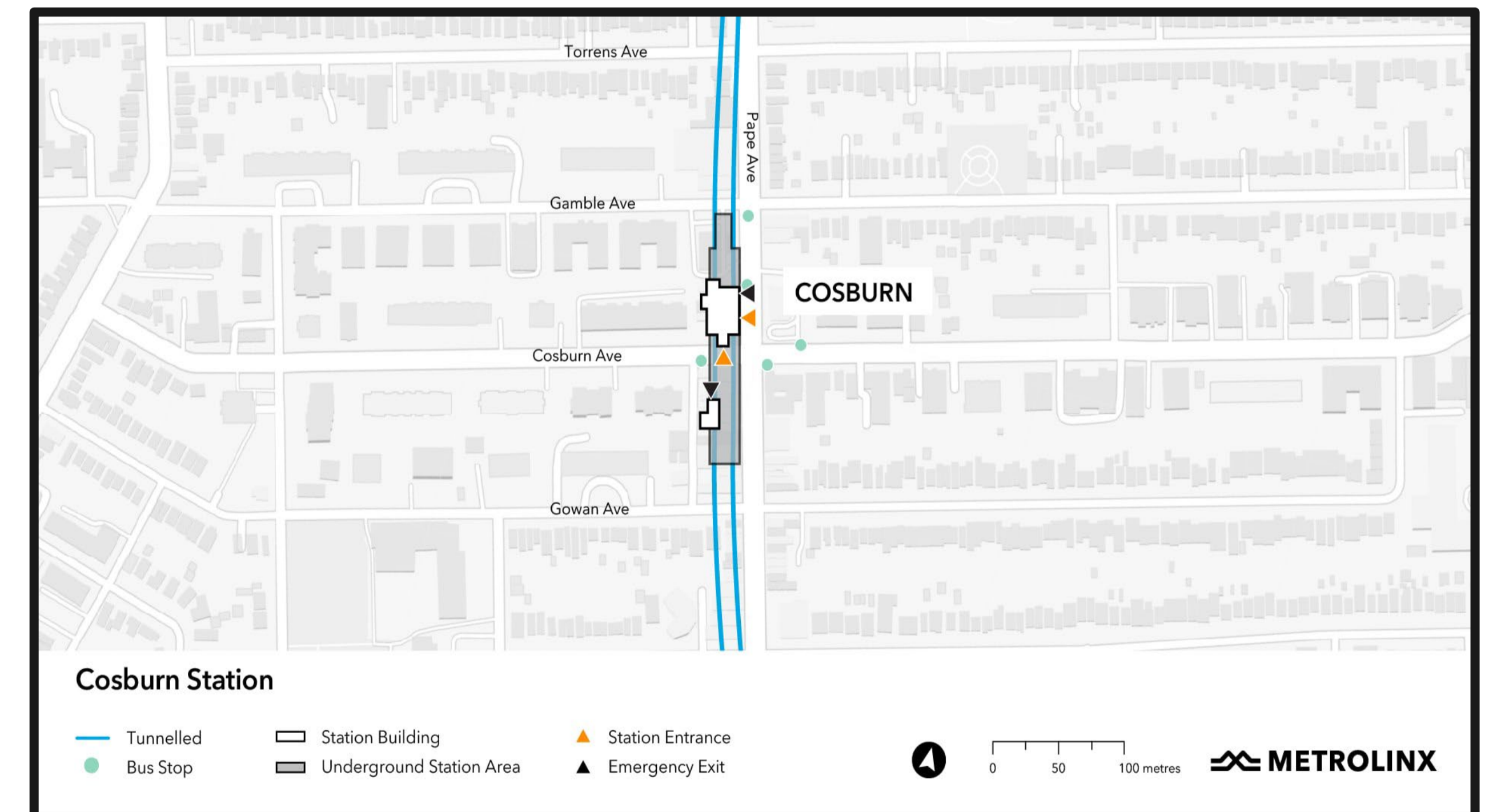
Cosburn Station

Cosburn Station

- Cosburn Station will be an underground station located at Pape Avenue and Cosburn Avenue. It will be the most northern of the two underground stations on Pape Avenue.
- The station building will be situated west of Pape Avenue and north of Cosburn Avenue, with an emergency exit located south of Cosburn Avenue.
- An estimated 2,600 people will use the station during the busiest travel hour, including 2,200 transferring from local streetcars and buses.
- The station will be constructed as part of the Pape Tunnel and Underground Stations contractor's work.



Rendering: Cosburn Station



Cosburn Station Footprint

Cosburn Station Transit-Oriented Community

- Infrastructure Ontario is managing the proposed Transit-Oriented Community at the future Cosburn Station. This proposal includes approximately 623 residential units.
- For more information, visit: **engageio.ca/en/cosburn** or scan the QR code below:



Design Rendering: Cosburn TOC (image courtesy of Infrastructure Ontario)

Down the Line: Pape-Danforth Open House Recap

On June 19, 2024, Metrolinx hosted an open house at Holy Name Parish to connect with the community and share information about ongoing & upcoming work at Pape-Danforth and Pape-Sammon.

Major topics discussed were:

1. An overview of the work required to install excavation supports at both sites.
2. A timeline of works (past, ongoing and upcoming).
3. Traffic impacts for support-of-excavation work.
4. Traffic impacts for the sewer relocations at the Pape-Danforth site.
5. An explainer of slurry wall construction, a unique method being used at both sites, and;
6. An overview of advanced works at the Pape-Danforth site, including:
 - a. The Pape Station bus loop closure
 - b. Wet utility relocations.



Rendering: Pape Station

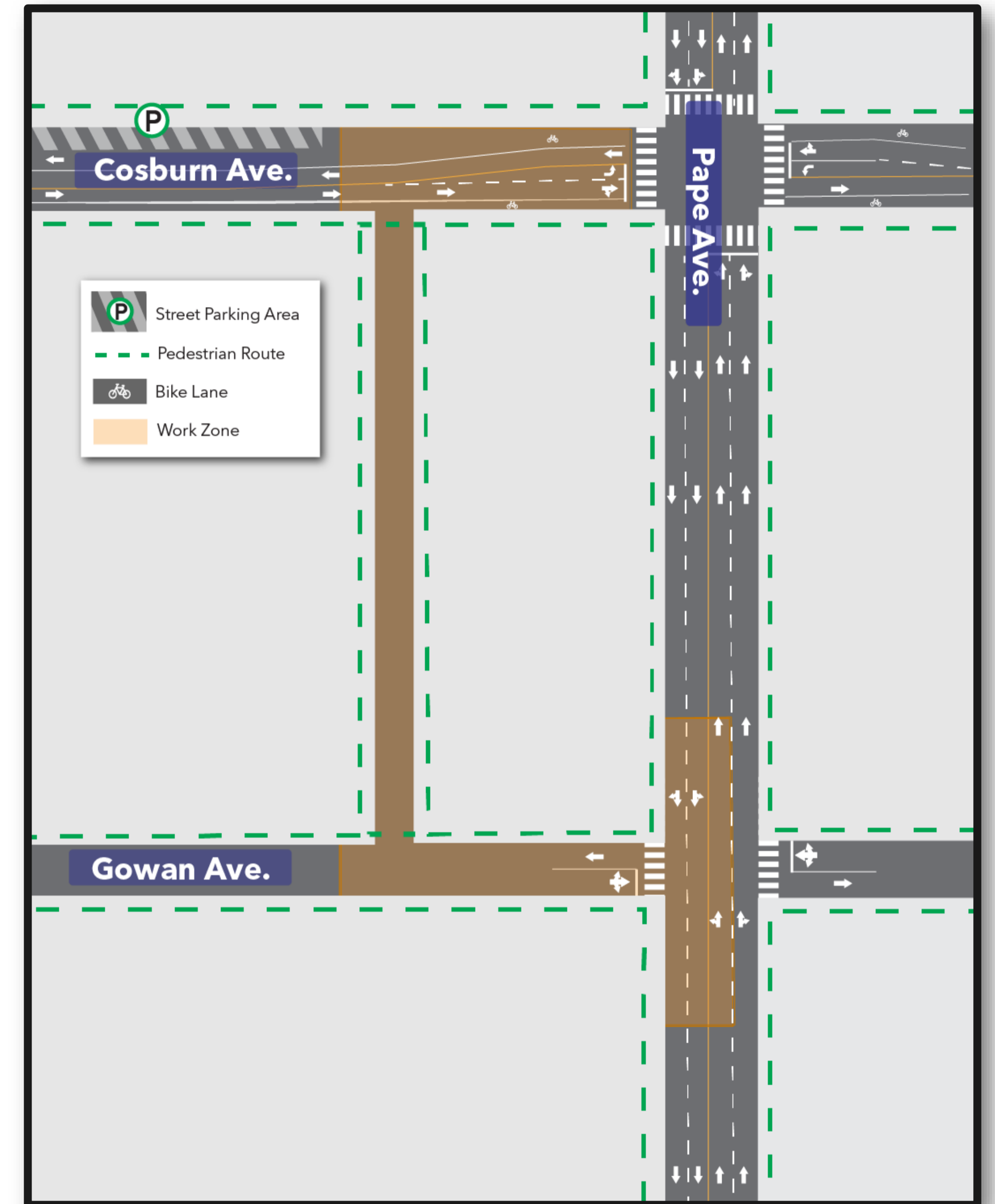
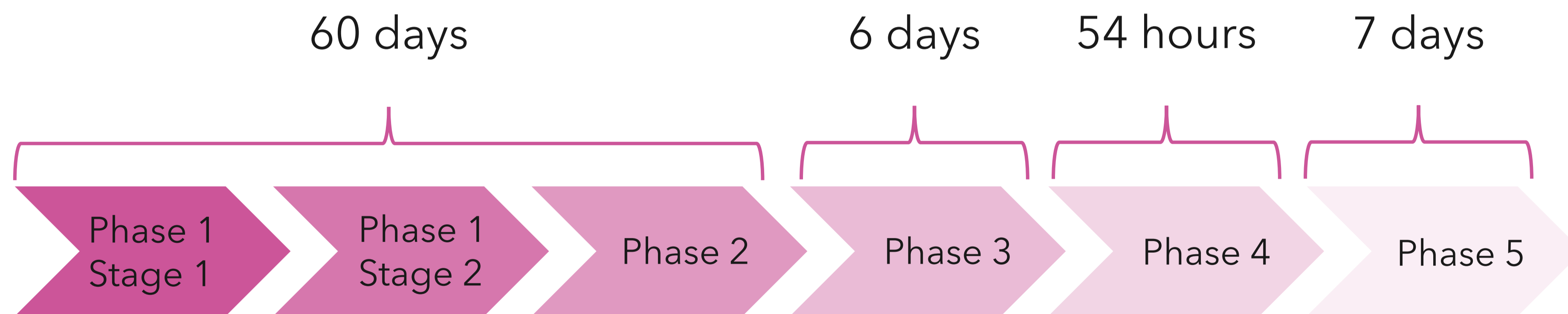
Scan the QR code to view the entire presentation from the Pape-Danforth Open House:



Pape-Cosburn Sewer Relocation

Pape-Cosburn Sewer Relocation

- Clearway will begin relocating of the sewer situated below Pape Avenue to the laneway west of Pape between Cosburn Avenue and Gowan Avenue as early as August 2024.
- The sewer is 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 three months.



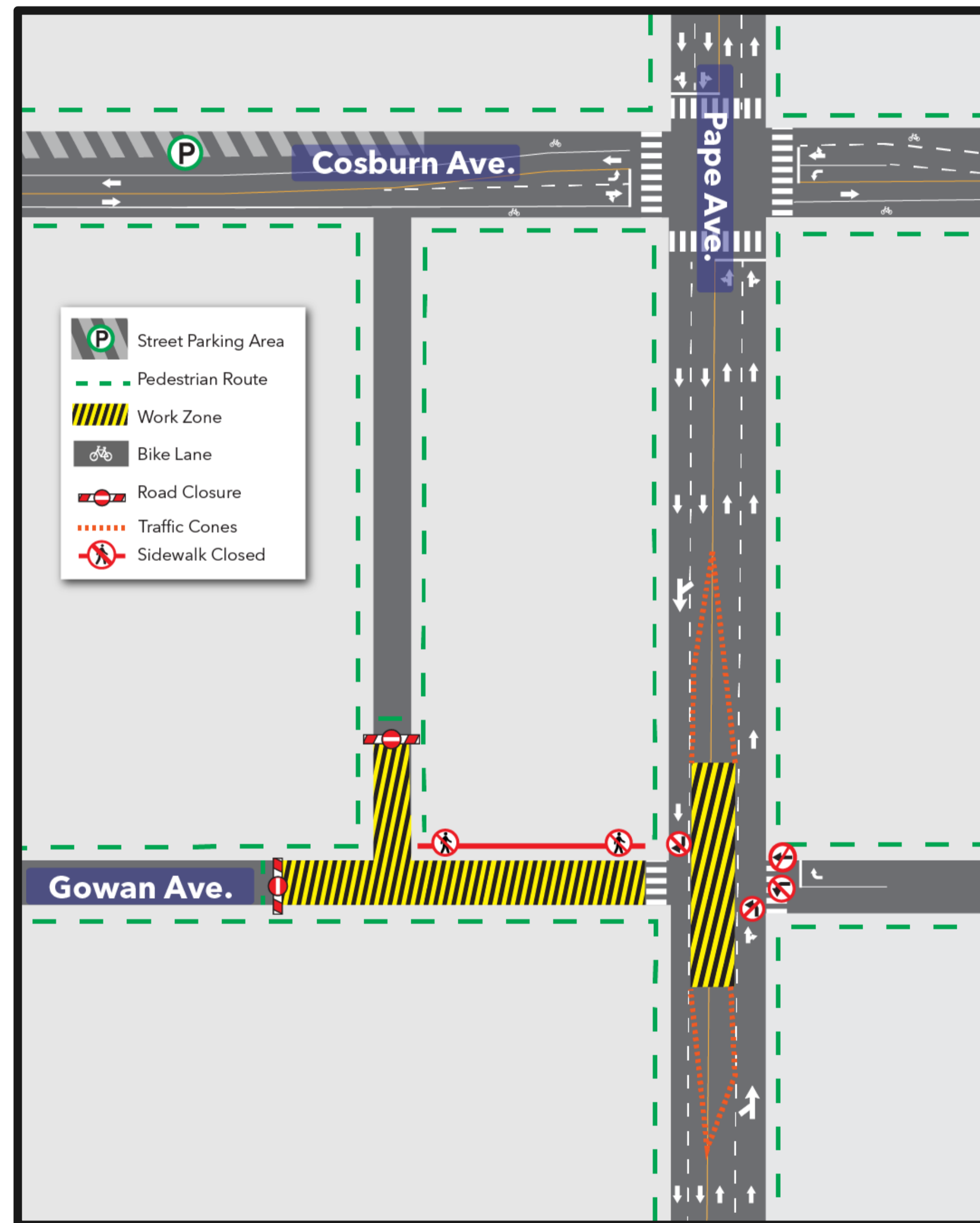
Total footprint of sewer relocation works



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

Expected start date: August 2024

Duration: Two weeks (both stages)



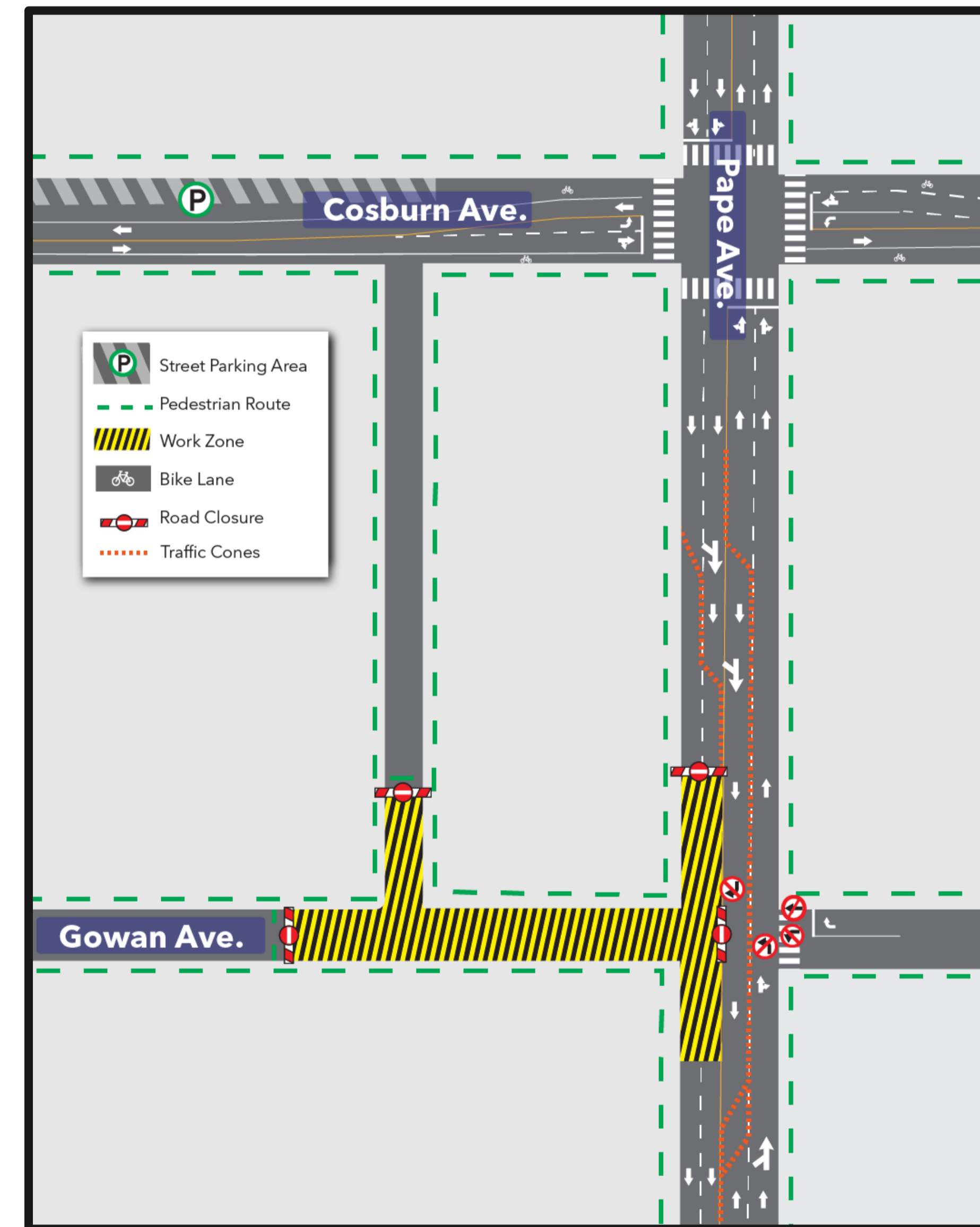
Phase 1, Stage 1

Stage 1 Description:

- Sewer removal 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 north side of Gowan



Phase 1, Stage 2

Stage 2 Description:

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

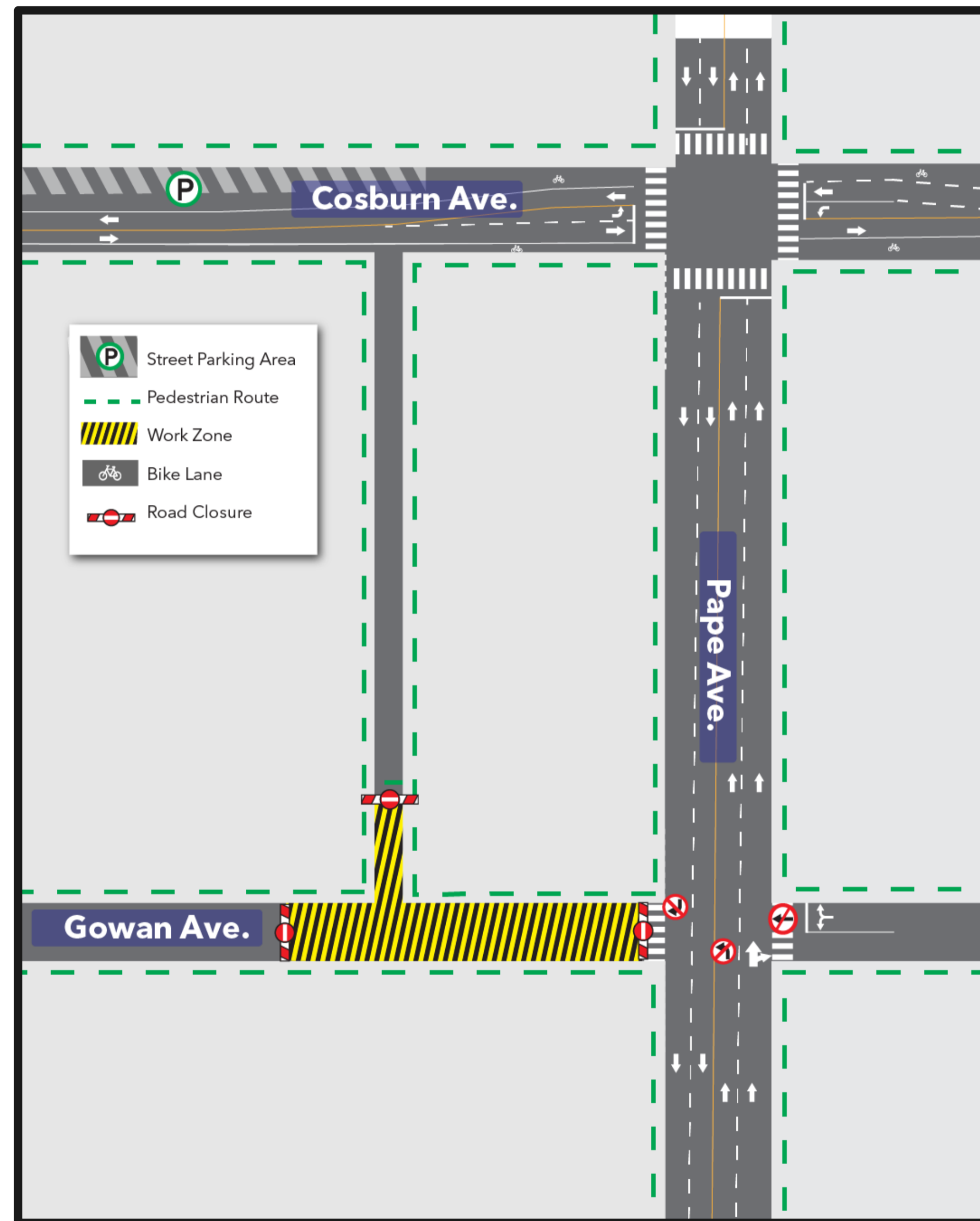
Key Impacts:

- 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



Pape-Cosburn Sewer Relocation - Phases 2 & 3

Duration: 45-50 days



Phase 2

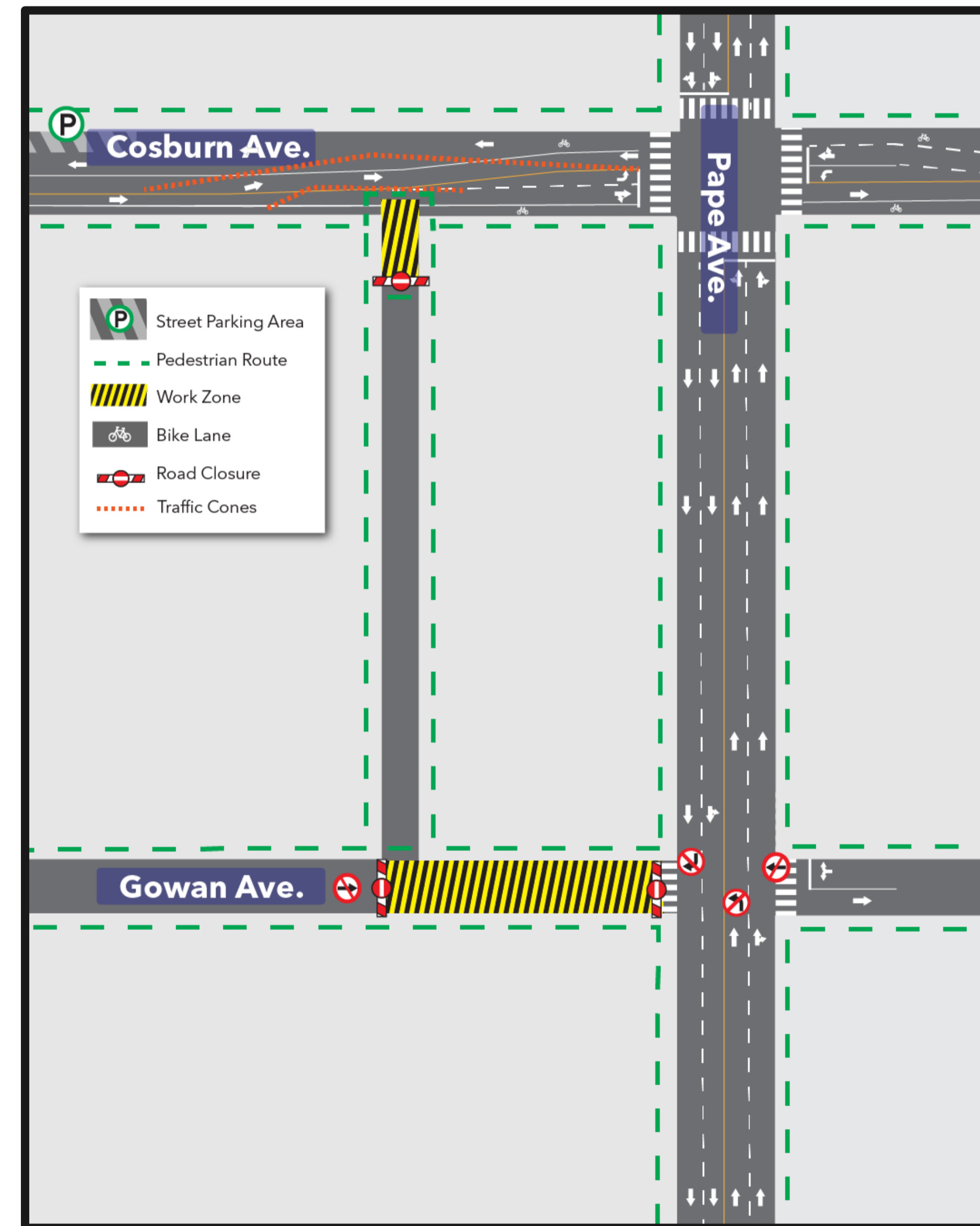
Phase 2 Description:

- 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

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

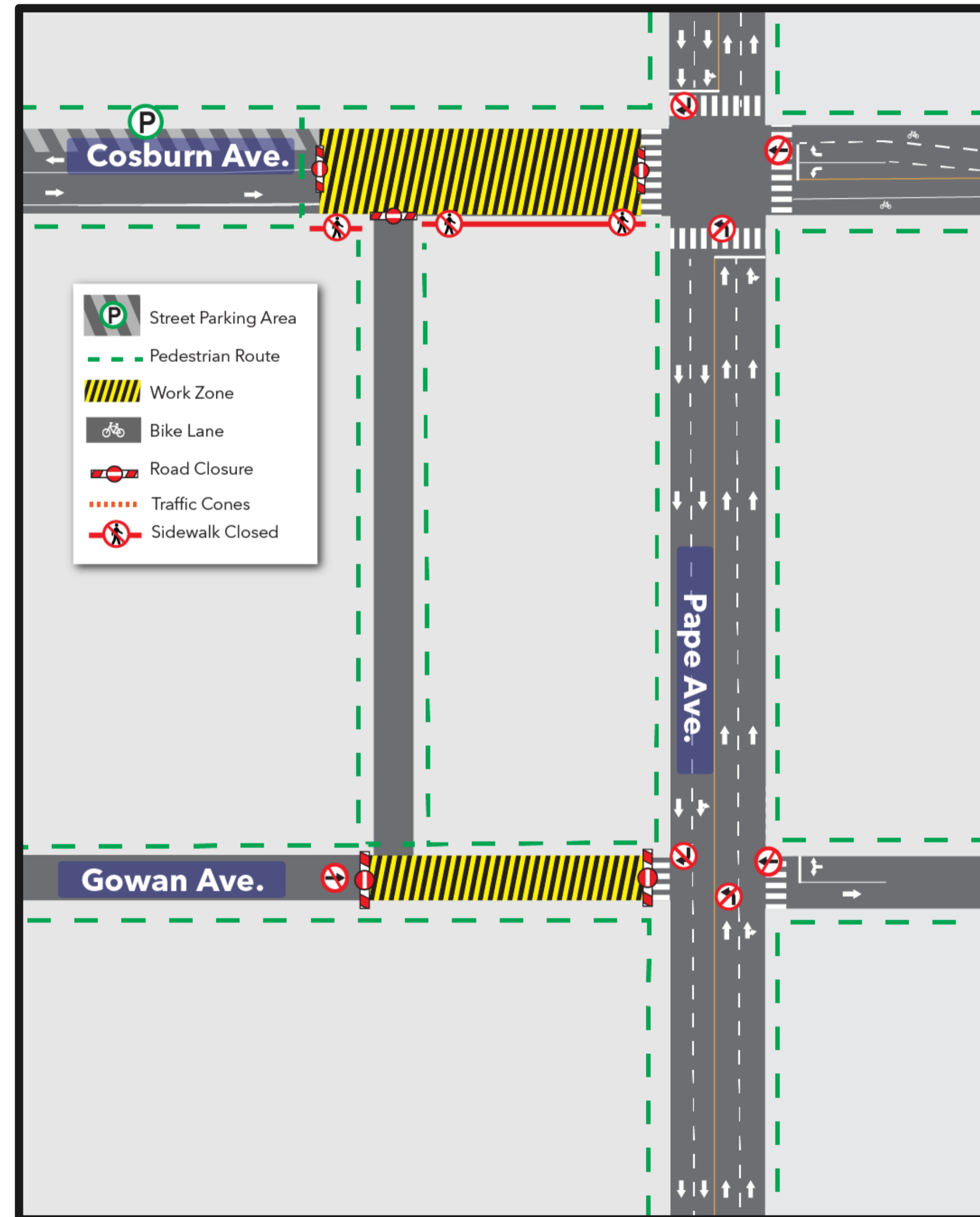
Key Impacts:

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



Pape-Cosburn Sewer Relocation - Phases 4 & 5

Duration: 54 hours (one weekend)



Phase 4

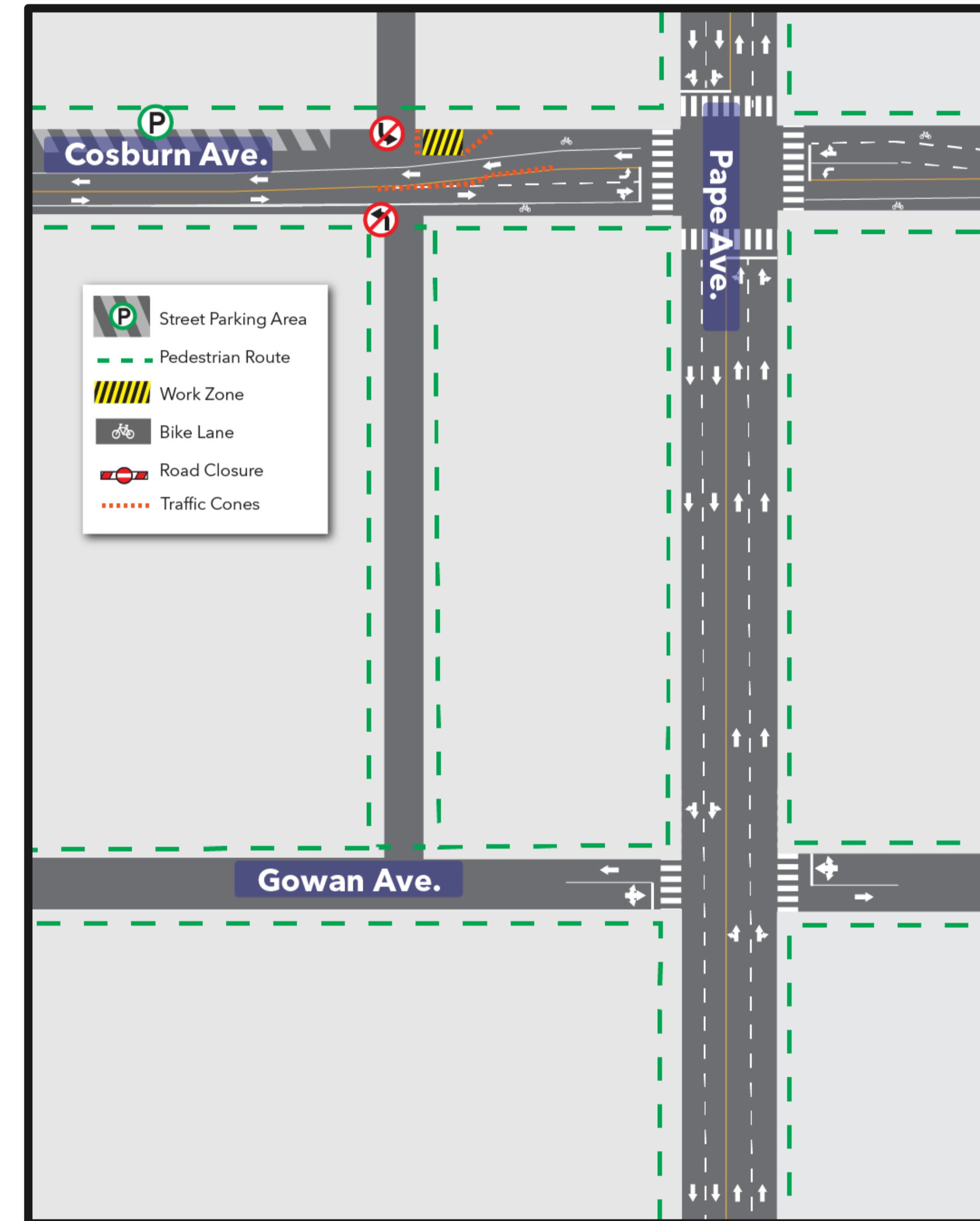
Phase 4 Description:

- 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
- 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



Pape-Cosburn Upcoming Work

Upcoming Work: Pape-Cosburn Toronto Hydro Relocations

Work Overview:

- Following completion of sewer relocation works, crews working for Toronto Hydro will access the laneway to perform electrical relocations.
- The purpose of this work is to relocate underground electrical lines away from the future construction area for Cosburn Station.
- This work will be divided into five phases and will take approximately six months to complete. Completion is anticipated by mid-2025.
- During this work, there will be minor lane occupancies in the vicinity of the Pape/Cosburn/Gowan area, as well as work within the laneway connecting Cosburn and Gowan west of Pape Avenue.
- There will be no service disruptions as a result of this work.
- Following this work, crew will return to pull cables through the new electrical ducts in 2025. This work will be communicated at a future open house.

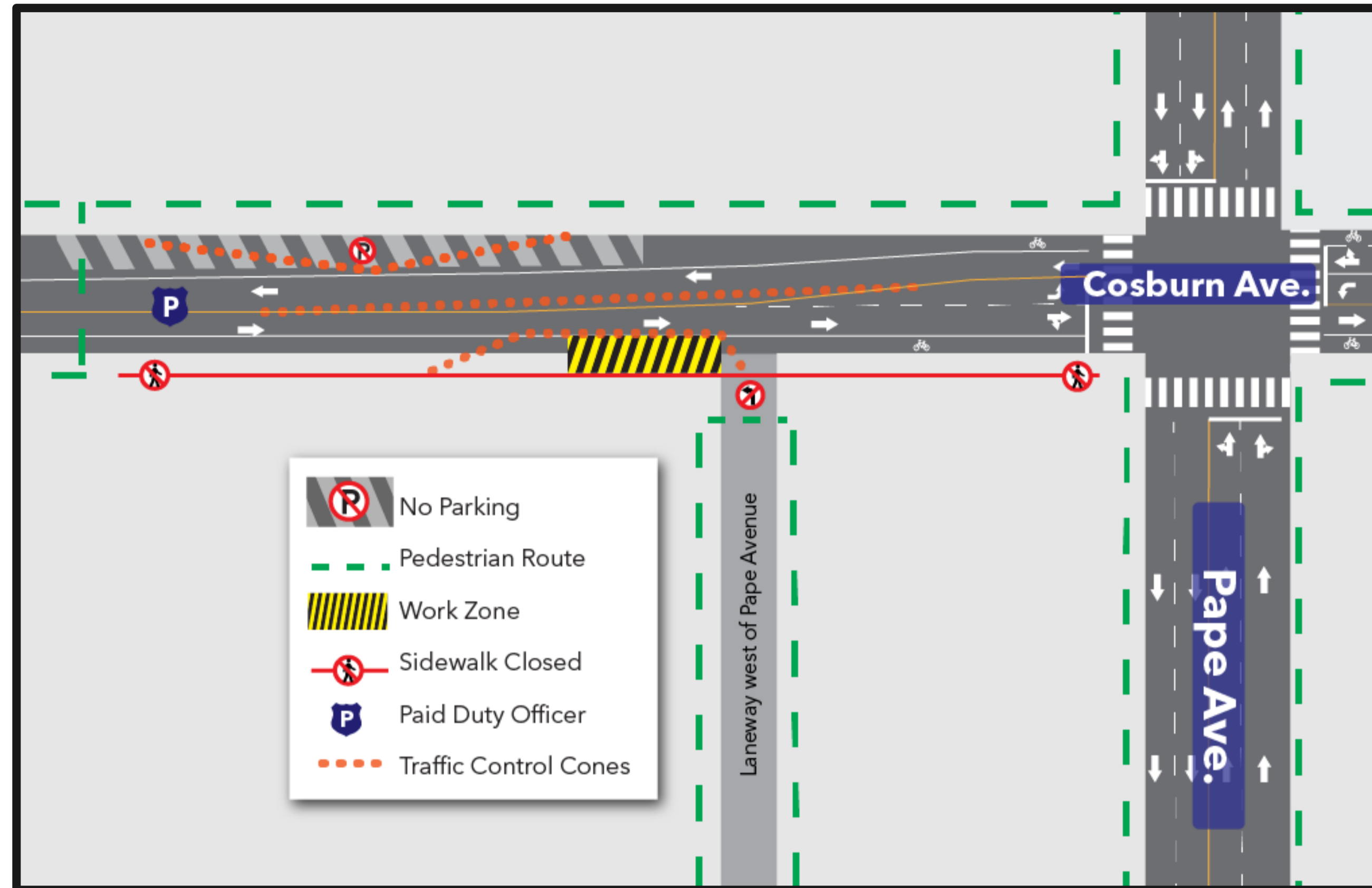


The laneway west of Pape Avenue



Upcoming Work: Pape-Cosburn Toronto Hydro Relocations

Phase 1 (draft, subject to change)



Description

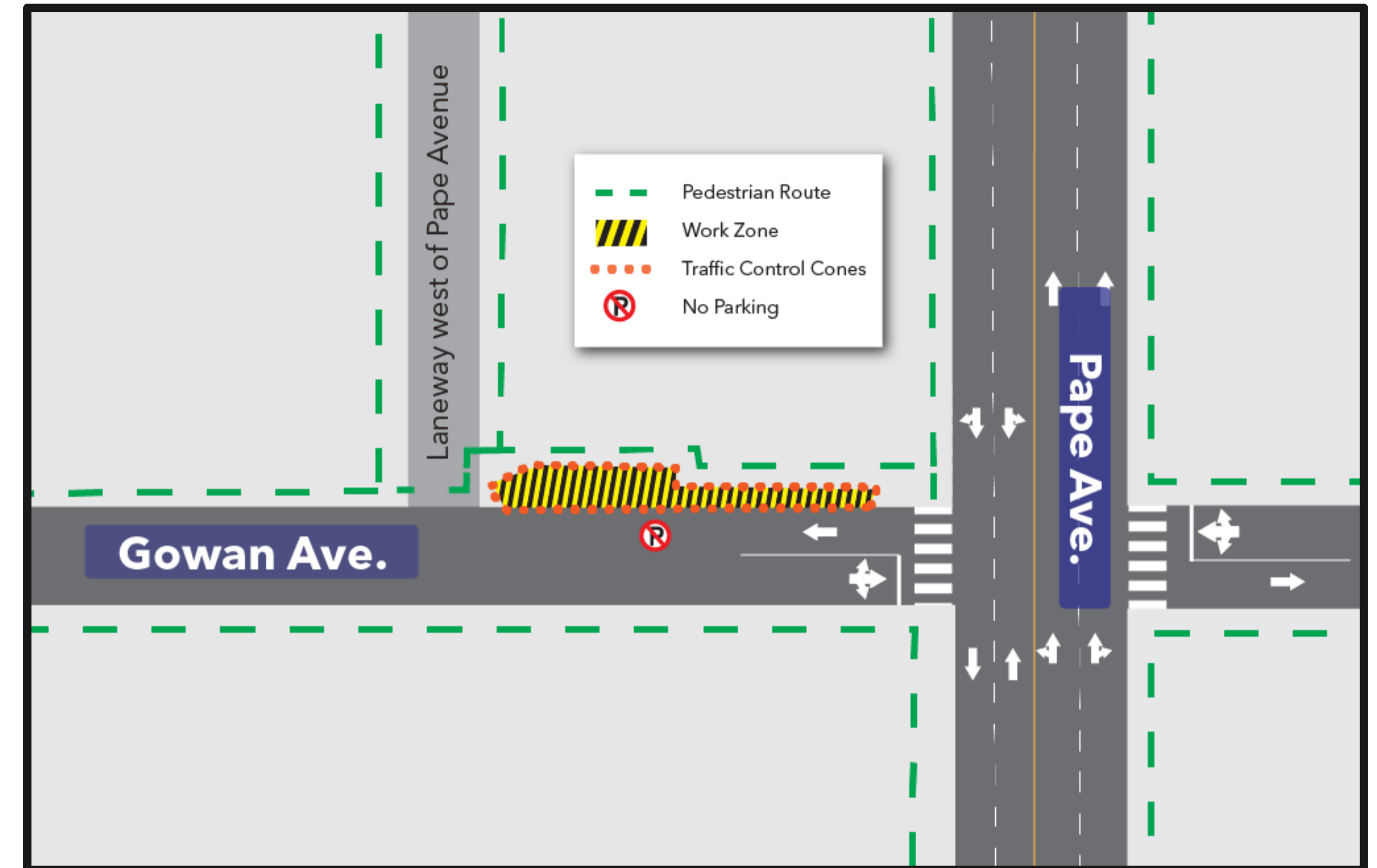
- Crews will build an underground electrical chamber at north end of the laneway.

Duration: Six weeks

Key Impacts

- Partial closure of the eastbound lane on Cosburn Ave (traffic maintained)
- The parking area on the north side of Cosburn Ave. will be closed
- Cosburn Ave bike lanes will be closed in vicinity of work zone; cyclists will merge with traffic
- No left turns northbound from laneway west of Pape Ave onto Cosburn Ave
- Sidewalk closure on the south side of Cosburn Ave during work hours.

Phase 2 (draft, subject to change)



Description

- Crews will build an underground duct bank.

Duration: Four weeks

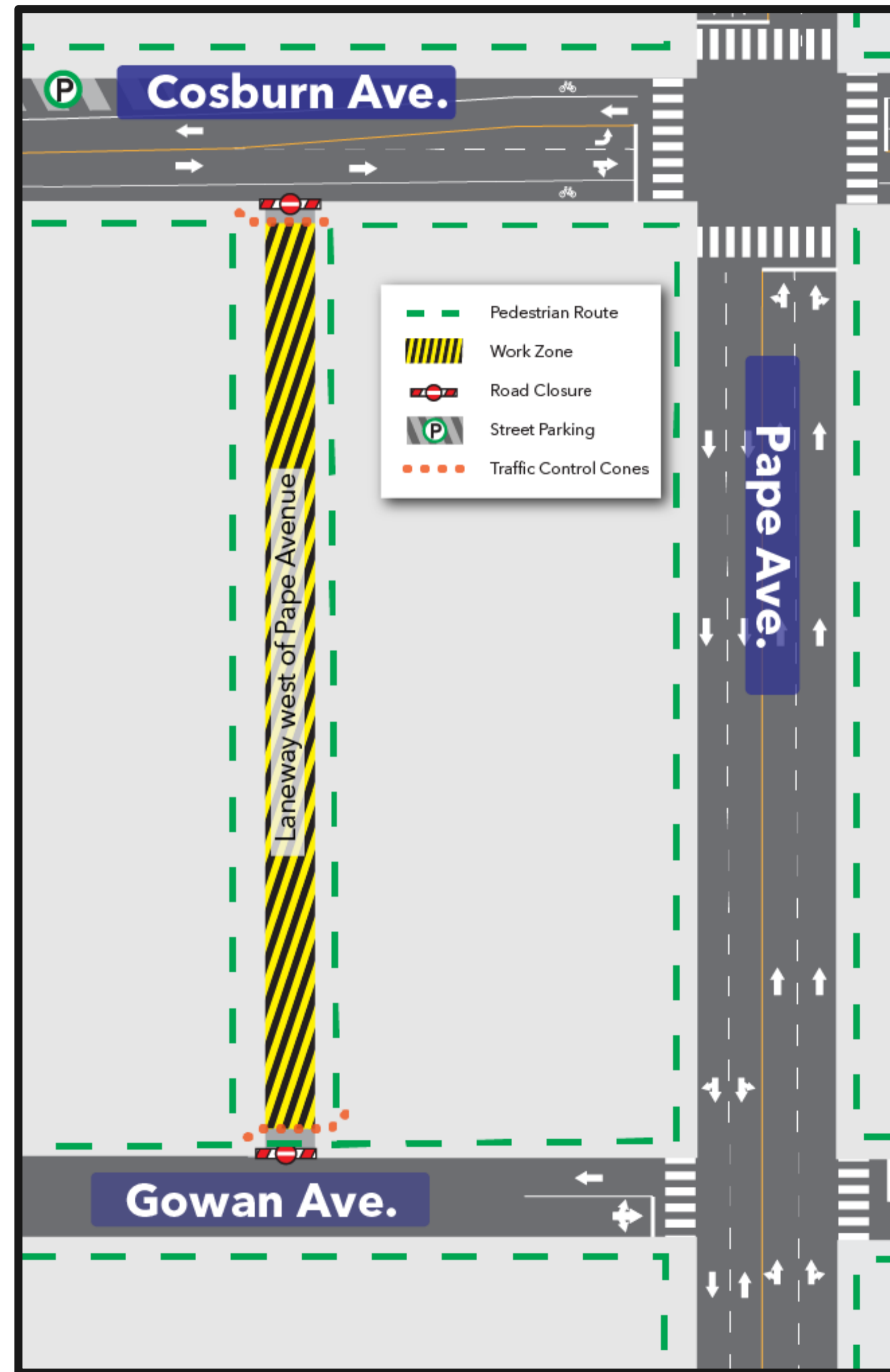
Key Impacts

- Work zone in north boulevard of Gowan Ave; pedestrian routes will be maintained around construction area.
- Parking lane will be closed.



Upcoming Work: Pape-Cosburn Toronto Hydro Relocations

Phase 3 (draft, subject to change)



Description:

- Crews will perform excavation within the laneway to install new hydro lines underground.

Duration: Eight weeks

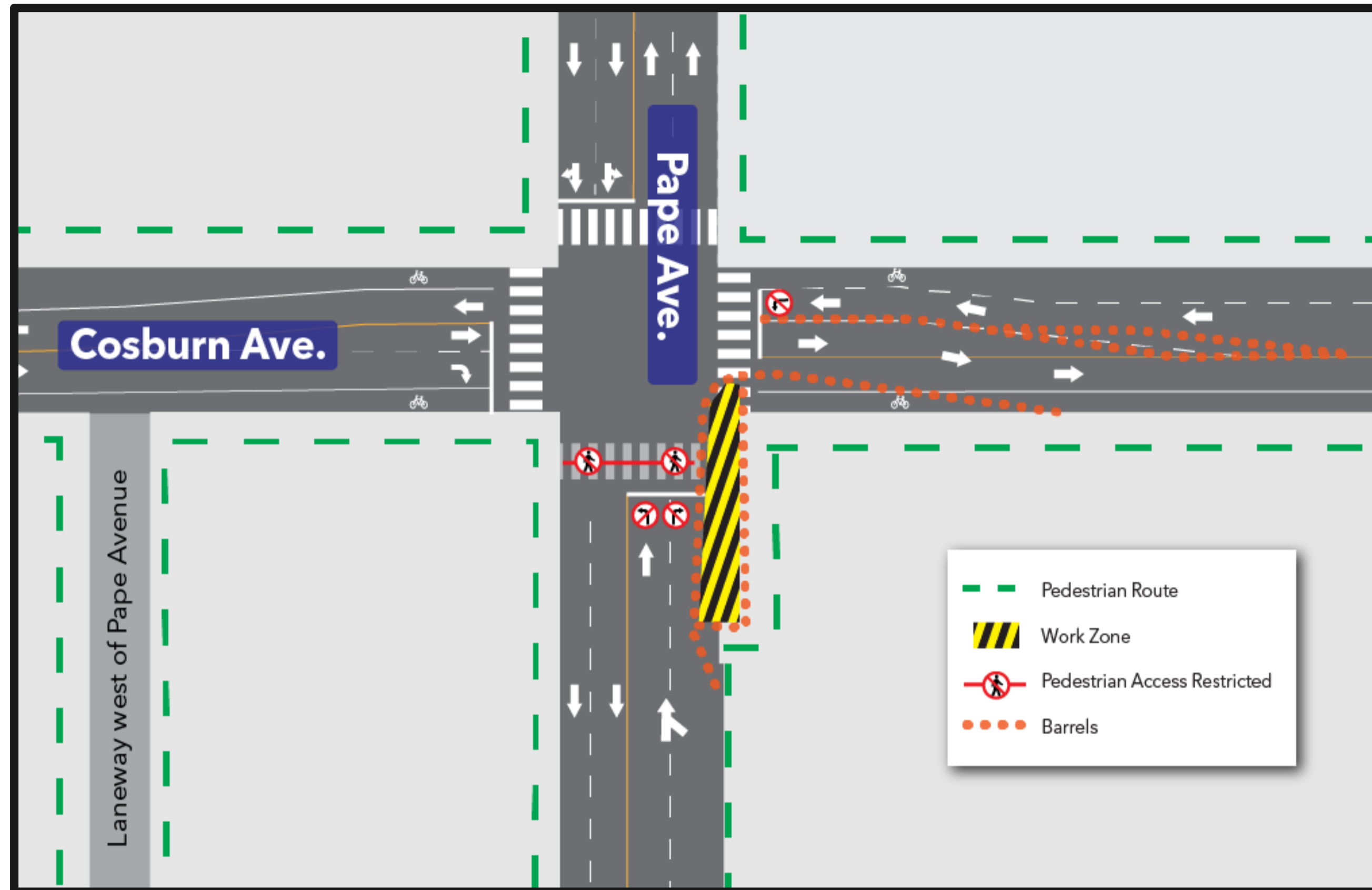
Key Impacts:

- The laneway will be closed to vehicles for the duration of this work.
- Pedestrian access will be maintained through the laneway at all times.



Upcoming Work: Pape-Cosburn Toronto Hydro Relocations

Phase 4 (draft, subject to change)



Description

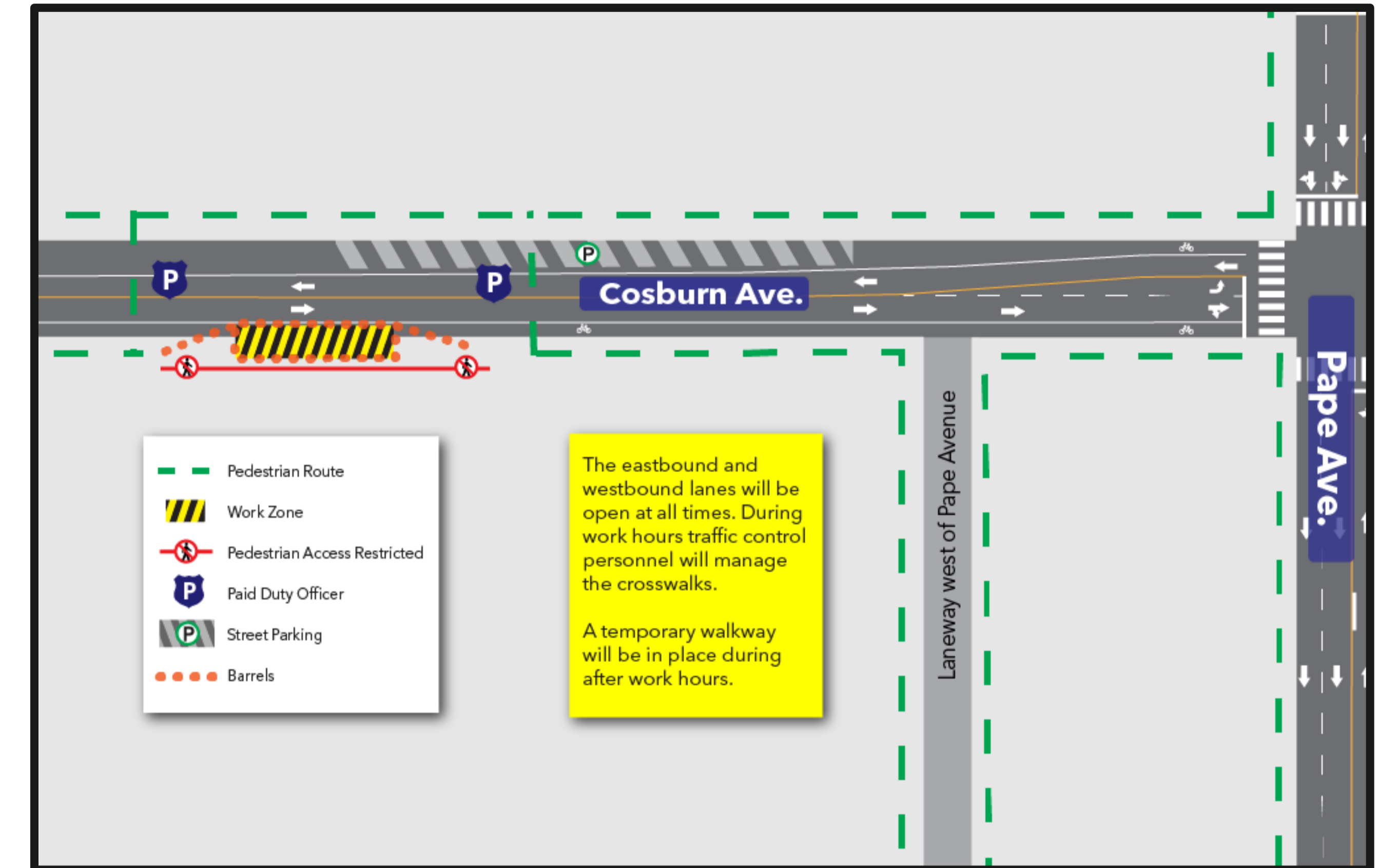
- Crews will build a duct bank underground on the northeast corner of Pape and Cosburn.

Duration: Two weeks

Key Impacts

- Northbound traffic will be reduced to one lane at the intersection.
- Left and right turns will be restricted northbound at the intersection.
- Eastbound traffic will be reduced to one lane east of the intersection.
- Westbound traffic will be reduced to one lane approaching the intersection, and left turns will be restricted.
- The southern east-west crosswalk at the intersection will be closed.

Phase 5 (draft, subject to change)



Description

- Crews will build a chamber under the bike lane and sidewalk on Cosburn Ave west of the laneway.

Duration: Nine weeks

Key Impacts

- The eastbound bike lane will be closed. Cyclists will merge with vehicular traffic around the construction zone.
- The south sidewalk will be closed in the vicinity of the work zone. Traffic control personnel will be available to assist with crossing Cosburn during work hours. A temporary crosswalk will be available outside of work hours.

Metrolinx-owned Property Demolitions

- Metrolinx has acquired 19 properties on the west side of Pape Avenue between Gamble and Gowan.
- These properties will be demolished to make way for the future Cosburn Station.
- Demolition is tentatively scheduled to begin as early as late 2024; Metrolinx will provide notice to the community in advance of the confirmed start date.
- Following demolition, the next phase of work will begin in early 2025.



Properties to be demolished are outlined in red

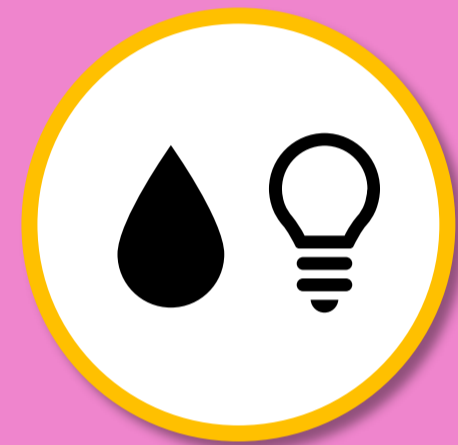
Minton Place Portal

Minton Portal Works



Demolitions

The demolition of four properties, located at 15-17 Minton Place and 156-158 Hopedale Ave, will be carried out. These works are necessary to clear the site for the construction of the Minton Portal and the Don Valley Bridge. The demolition is expected to commence in mid-August 2024.



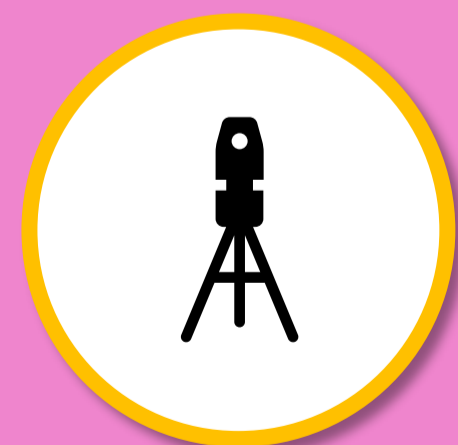
Utility disconnection

Utilities are being disconnected from the properties at 15-17 Minton Place and 156-158 Hopedale Ave in preparation for their demolition. This step is necessary to ensure a safe and efficient demolition process.



Precondition Surveys

Precondition surveys are currently being conducted in the area surrounding the properties scheduled for demolition. These surveys are part of the preparation process before the upcoming demolition activities.



Instrumentation and monitoring installation

Monitoring devices for air quality, noise, and vibrations have been installed around the properties scheduled for demolition to ensure continuous assessment of environmental conditions. These systems are now fully operational and will continuously monitor key metrics.

*Notification will be issued separately prior to the start of each piece of work.

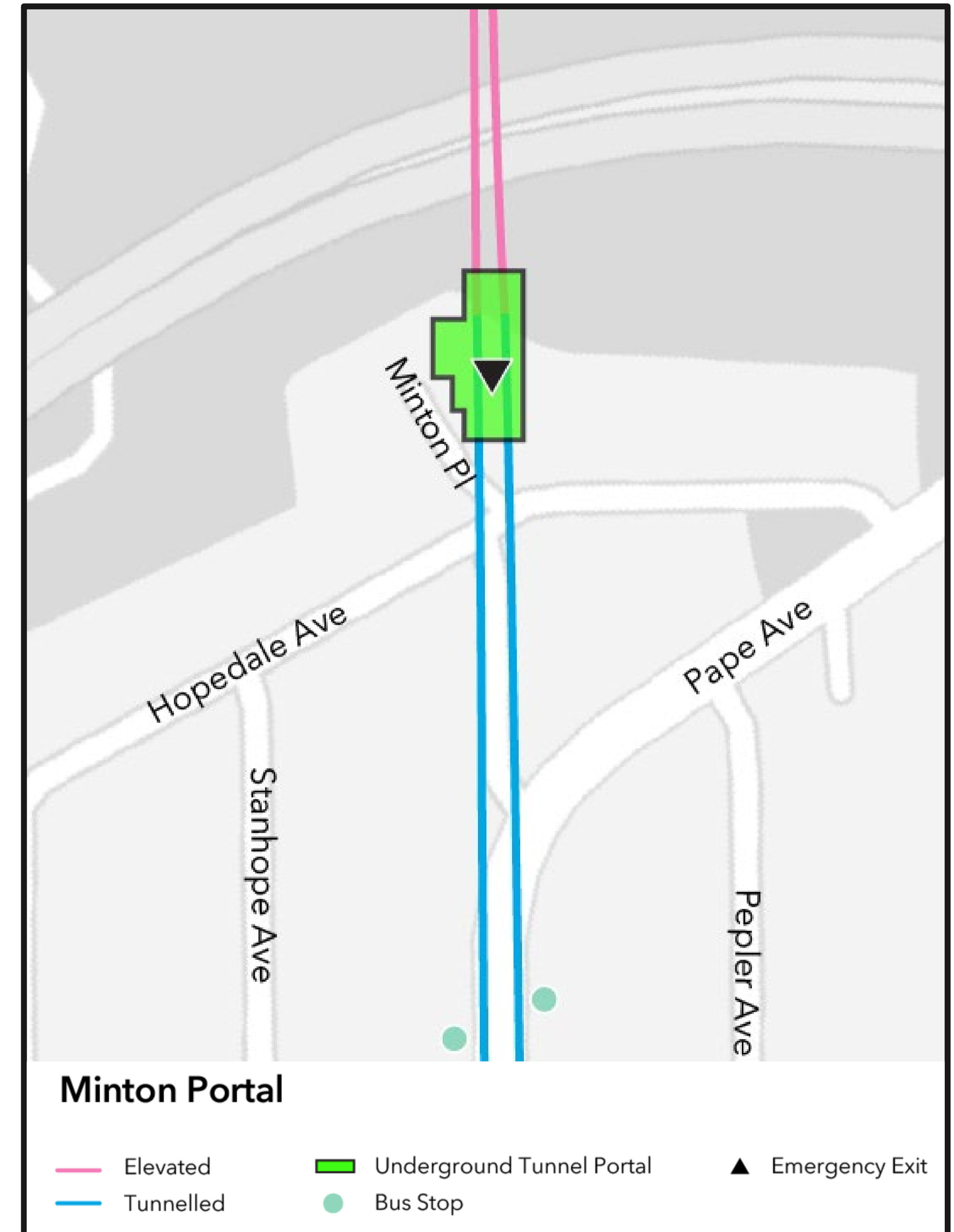
**Visit [metrolinx.com/ontarioline](https://www.metrolinx.com/ontarioline) to subscribe to our e-newsletter for construction updates.

2024 Construction Look-Ahead

Timing	Activity	Location	Details and Purpose
Summer/Winter	Clearing and Tree Removal	Minton Place and Hopedale Ave.	Clearing and tree removal operations will be conducted around the properties, the slope, and the bottom of the slope next to the Don Valley Parkway. This work will help prepare the area for excavation.
	Slope Stabilization	Minton Place and Hopedale Ave.	Slope stabilization work will be performed using soil nails, soil anchors, erosion protection mats, and mechanical anchors. These works will ensure the stability of the slope as we proceed with the excavation activities.
	Shaft Excavation	Minton Place and Hopedale Ave.	Crews will work in the open-cut portal excavation, utilizing temporary support systems to ensure stability. These measures prepare the site for constructing a reinforced concrete box structure within the excavation.

Minton Place Portal: Support of Excavation Construction Scope (Q3 2024 - Q2 2027)

- Property demolition.
- Clear the top of the slope before starting construction.
- Secure the slope with anchors, erosion protection, and other methods on both the east and west sides of the portal.
- Initiate the excavation and build the stability caissons when it reaches the right depth.
- Build a reinforced concrete box structure inside the excavation and cover the structure with granular material after construction.
- Construction of the abutment of the Don Valley Crossings Bridge.
- Landscape restoration on the Don Valley Parkway embankment.



Don Valley Crossings

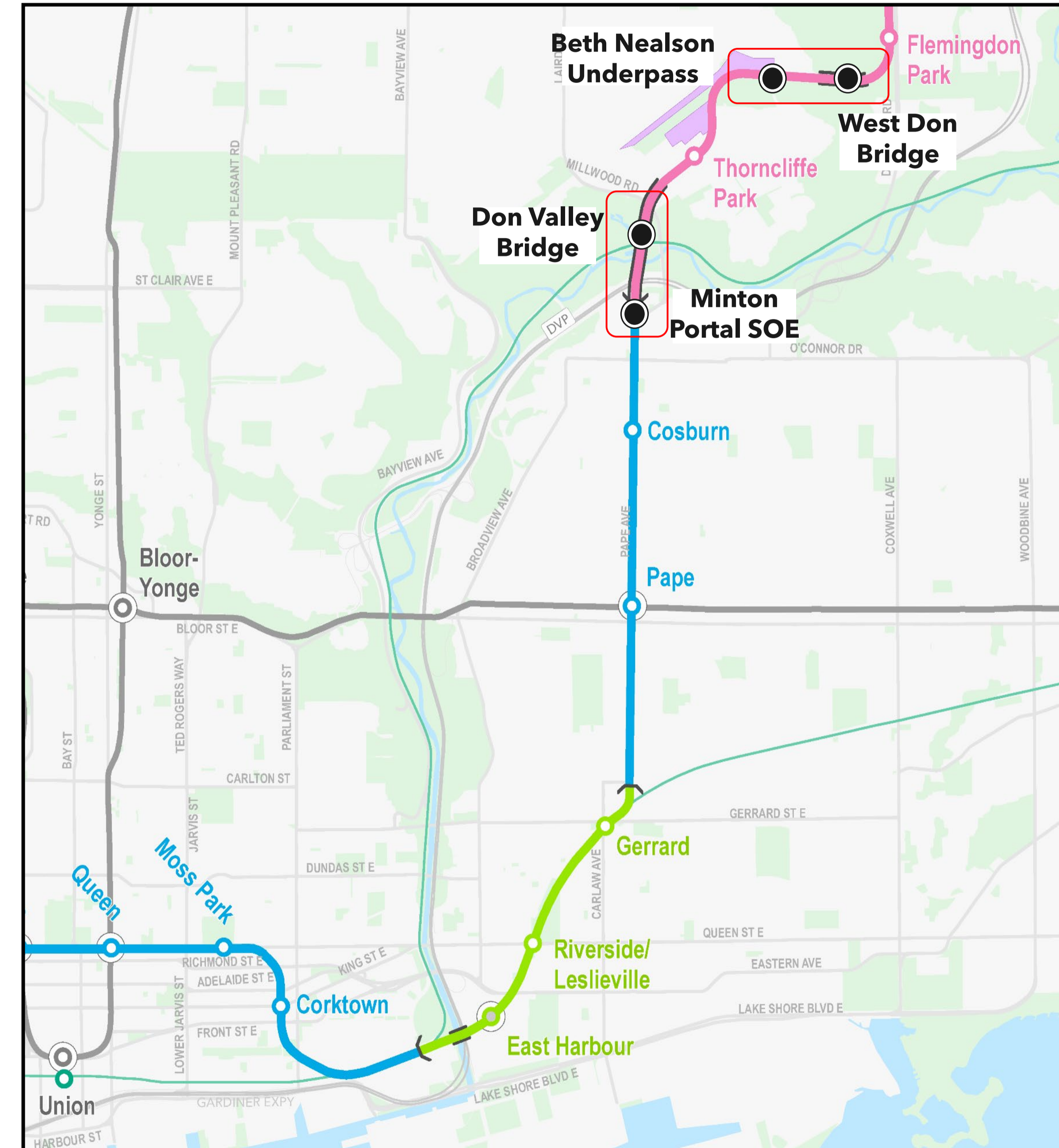


- Two large bridges will span the Don Valley, exclusively for Ontario Line trains.
- Construction of the first bridge will start at the Minton Place Portal in the summer of 2024 and continue until 2028. It will run northwards, parallel to Millwood Bridge (the Leaside Bridge) before connecting with Overlea Boulevard.
- Construction of the second bridge will begin just east of Beth Neilson Drive, running along the north side of Overlea Boulevard. It will span over the valley, connecting with Don Mills Road at Gateway Boulevard (Flemingdon Park Station).

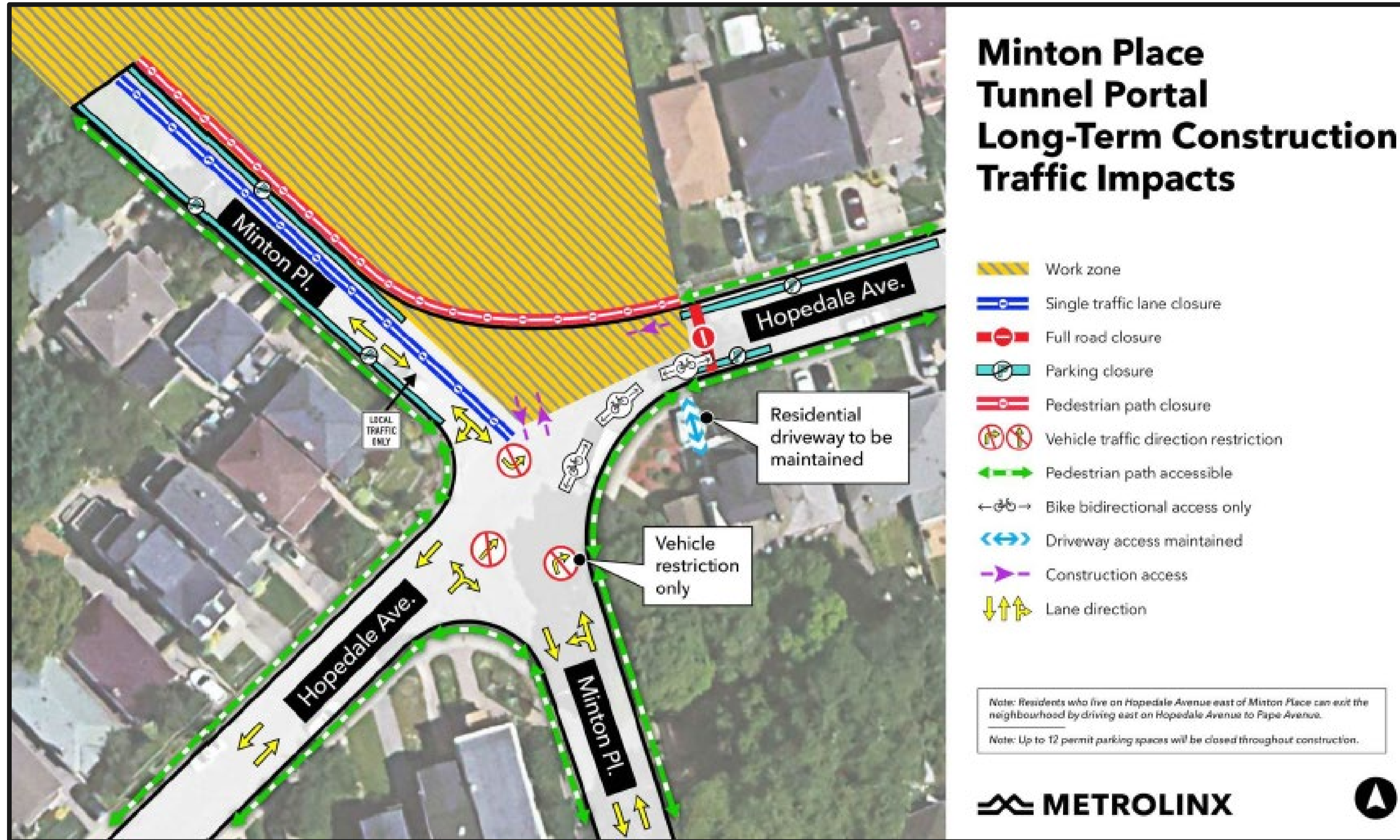
Don Valley Crossings Segment Overview

The Ontario Line is set to transform transit connectivity. Here's a glimpse of how the line will navigate through key locations:

- The Ontario Line will emerge from the ground using a tunnel portal structure at Minton Place.
- The line will then travel over the valley on the Don Valley Crossing bridge.
- A second West Don Crossing bridge will carry the Ontario Line across the valley, over the E.T. Seton Park.



Minton Place Portal | Public Impacts



Contact Us:

Call us 24/7 at: **416-202-5100**

Write to us at: **ontarioline@metrolinx.com**

Twitter, Facebook, and Instagram: **@ontarioline**

Visit the website: **www.metrolinx.com/ontarioline**

Visit our community offices:

Riverside:

770 Queen St. E, Toronto, ON, M4M 1H4

General hours:

- Mondays, Tuesdays and Fridays: 9 a.m. to 5 p.m.
- Wednesdays and Thursdays: 10 a.m. to 6 p.m.

Thorncliffe Park:

East York Town Centre
45 Overlea Blvd., Toronto, ON M4H 1C3
Unit 153 (across from the Rogers store)

General hours:

- Monday to Friday: 9 a.m. to 5 p.m.