

Ontario Line Subway Pape and Riverdale Utility Works Updates

Ward 14 Toronto-Danforth

Transit Infrastructure Projects

Transportation Services

February 29, 2024





Agenda

- Opening Remarks and Introductions
- Pape and Riverdale Advanced Works Overview
- Proposed Traffic Staging Updates
 - Pape and Riverdale Utility Works Construction Impacts and Mitigation Measures
- Key Issues and Concerns from Previous Meeting
- Next Steps
- Questions & Answers

Why are we here?

MM2.2 - Protecting Pape School During Ontario Line Construction - by Councillor Paula Fletcher

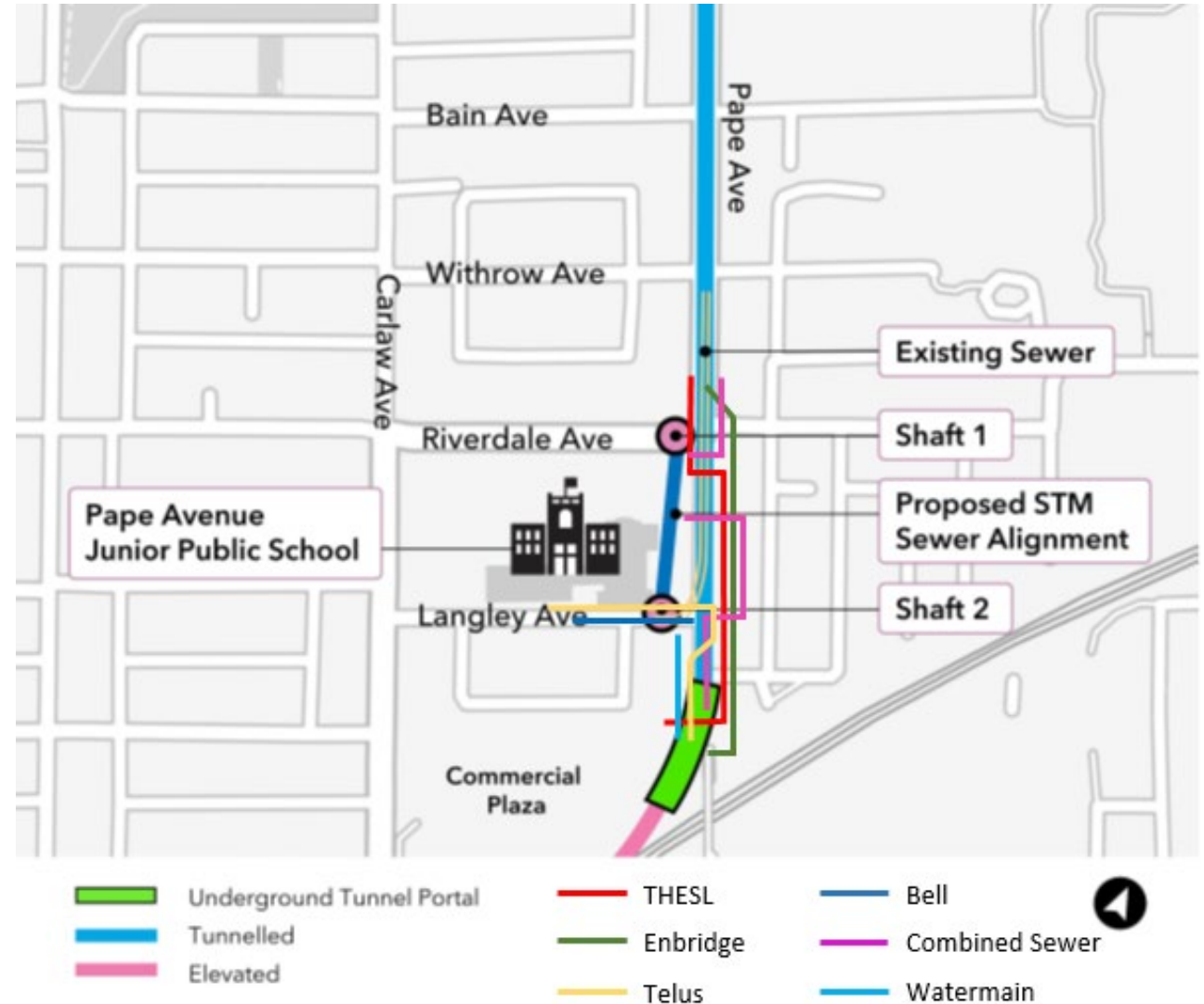
City Council on December 14 and 15, 2022, adopted the following:

1. City Council request **Metrolinx to form a Construction Liaison Committee that meets weekly**, composed of representatives from Pape Avenue Public School, the City of Toronto and local residents.
2. City Council direct the General Manager, Transportation Services and the General Manager, Toronto Water, in consultation with the Local Councillor, to have appropriate **City Staff attend a meeting with the Pape Avenue School Council to collect feedback on the traffic and transportation impacts of the Ontario Line Construction.**
3. City Council direct the General Manager, Transportation Services to ensure that the **City requires Metrolinx to take any and all measures to ensure the ongoing safety of the local community with respect to pedestrian safety, noise and vibration impacts, and any other construction impact of the Ontario Line.**

Pape and Riverdale Advanced Works Overview

The following utility relocations are required for the Ontario Line Subway Project:

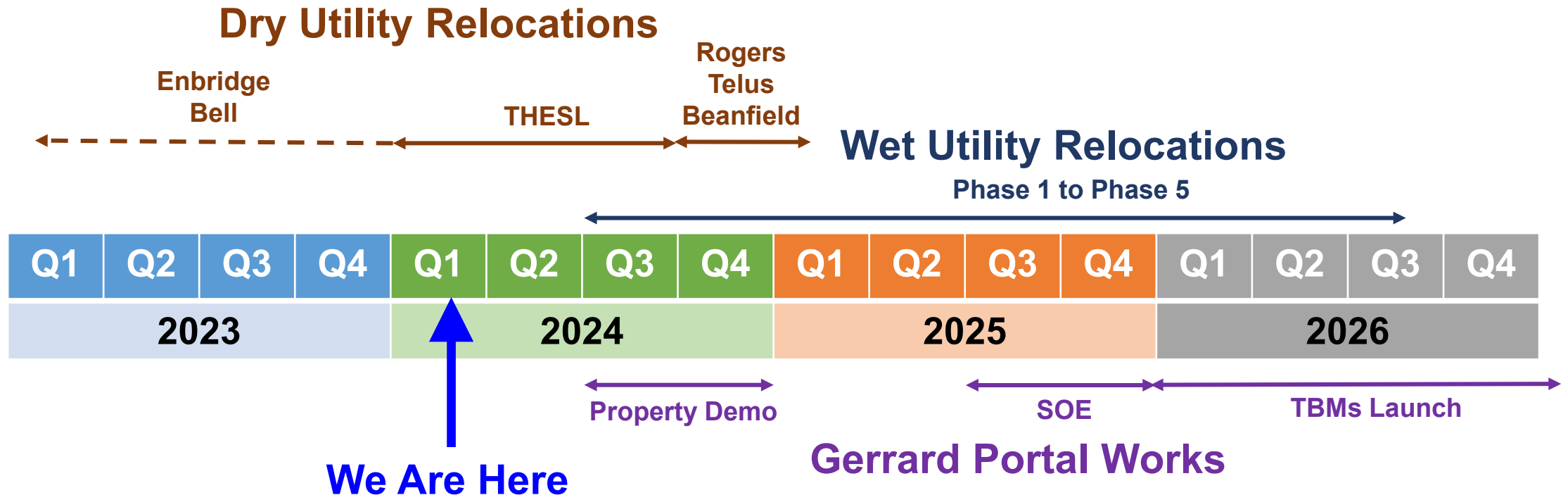
- **Dry Utilities:** THESL, Rogers, Enbridge, Bell, Telus, Beanfield.
- **Wet Utilities:** Storm Sewer and Watermain Relocation, Micro-tunneling.





Proposed Traffic Staging Updates

Metrolinx's Construction Timeline



Notes:

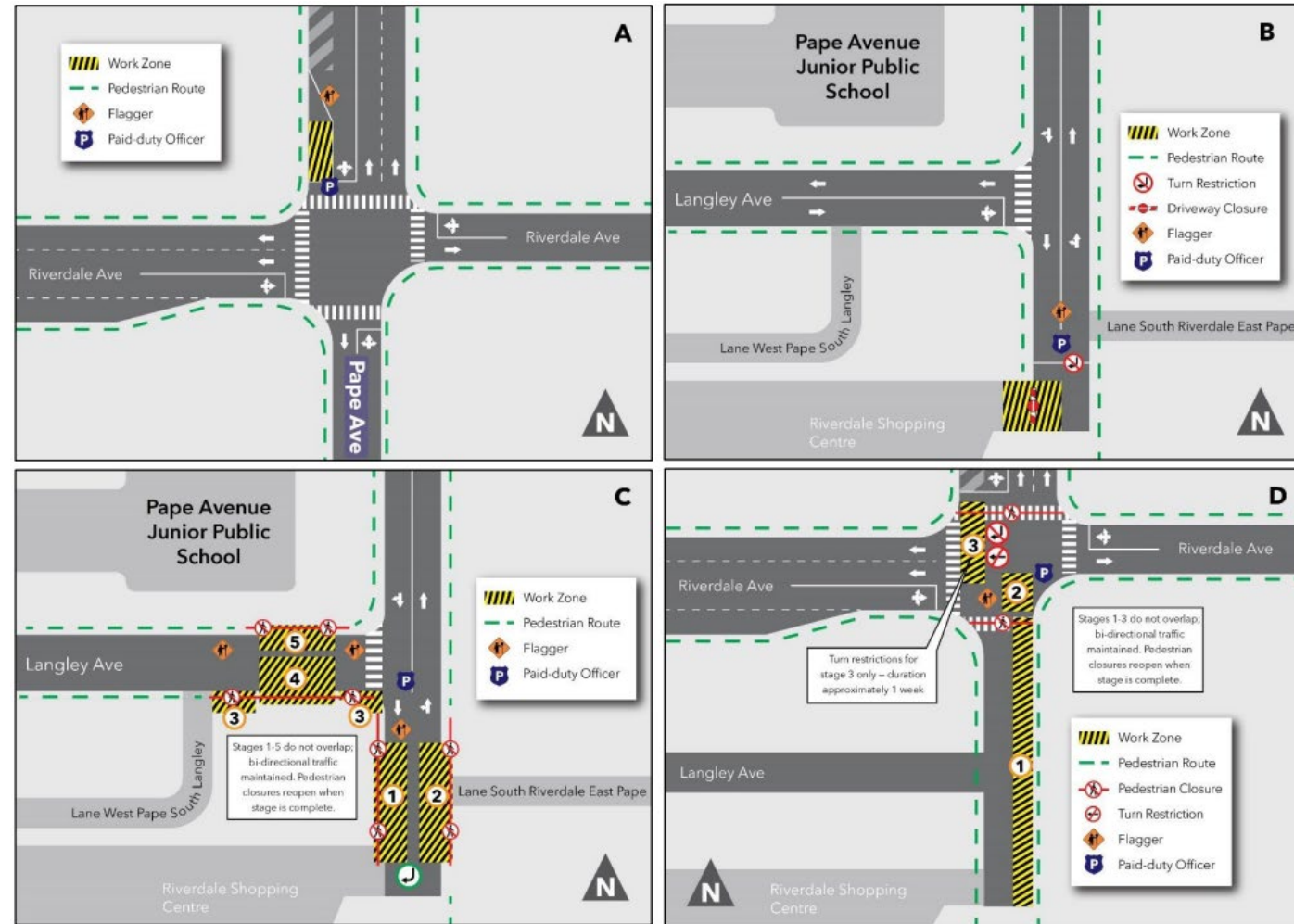
- The timeline and phasing sequences are subjected to change based on Contractor's schedule
- Property Demolition at the Gerrard Portal site is scheduled to start in Q2/Q3 of 2024
- Major works related to tunnel boring are expected to start in 2026

Dry Utility Relocations

(Jan 2024 – Sep 2024 Hydro)

(Sep 2024 – Jan 2025 Rogers)

- Construction notice have been shared with the community
- Toronto Hydro utilities will be relocated on Pape Ave between Riverdale Ave and Langley Ave
- Temporary closure of traffic lanes and sidewalk. School PUDO activities will be maintained
- Paid Duty Officer to assist pedestrian crossing during sidewalk closures
- Temporary crosswalk will be installed for crossing Pape Ave
- Rogers utilities will be relocated near Pape and Riverdale intersection, and along the Pape Laneway south of Riverdale Ave

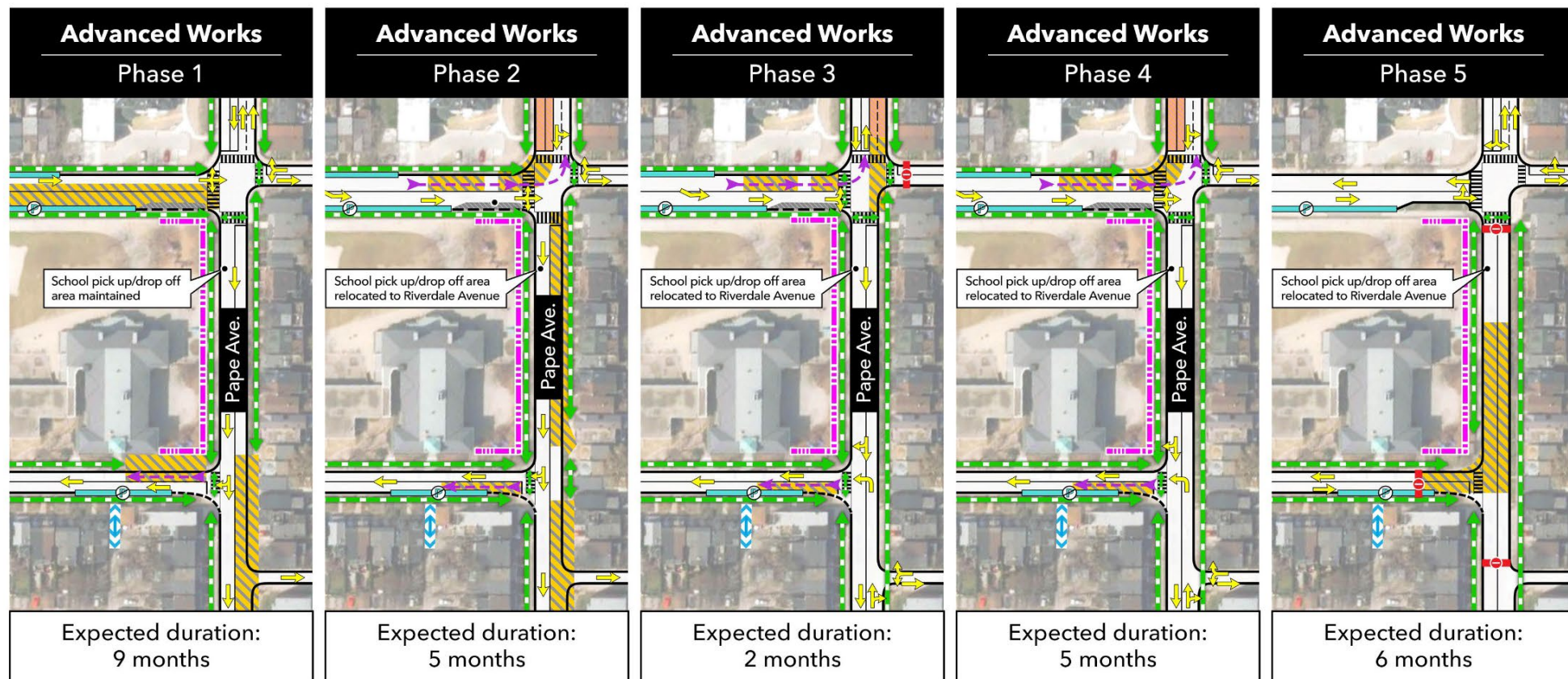


Source: [OLine - Toronto Hydro relocation work on Pape Ave.pdf \(metrolinx.com\)](#)

Wet Utility Relocations

(Jun 2024 - Aug 2026)

Note: Planning level details are shown. The timeline and phasing sequences are subjected to change based on Contractor's schedule.



Traffic Impacts at Langley Avenue, Riverdale Avenue, and Pape Avenue



- Work zone
- Parking closure
- Pedestrian path accessible
- Road closure
- Driveway access maintained
- Construction access
- Lane merging and direction
- Temporary noise wall

Wet Utility Relocations

(Jun 2024 - Aug 2026)

- **Traffic Impact:**

- Riverdale Ave will be converted to one-way EB
- Pape Ave will be converted to one-way SB
- Langley Ave will be converted to one-way WB
- At least one traffic lane will be maintained at a time
- School driveway will be maintained for all turning movements

- **Pick-up/Drop-off impact:**

- Maintained on Pape Ave or Riverdale Ave

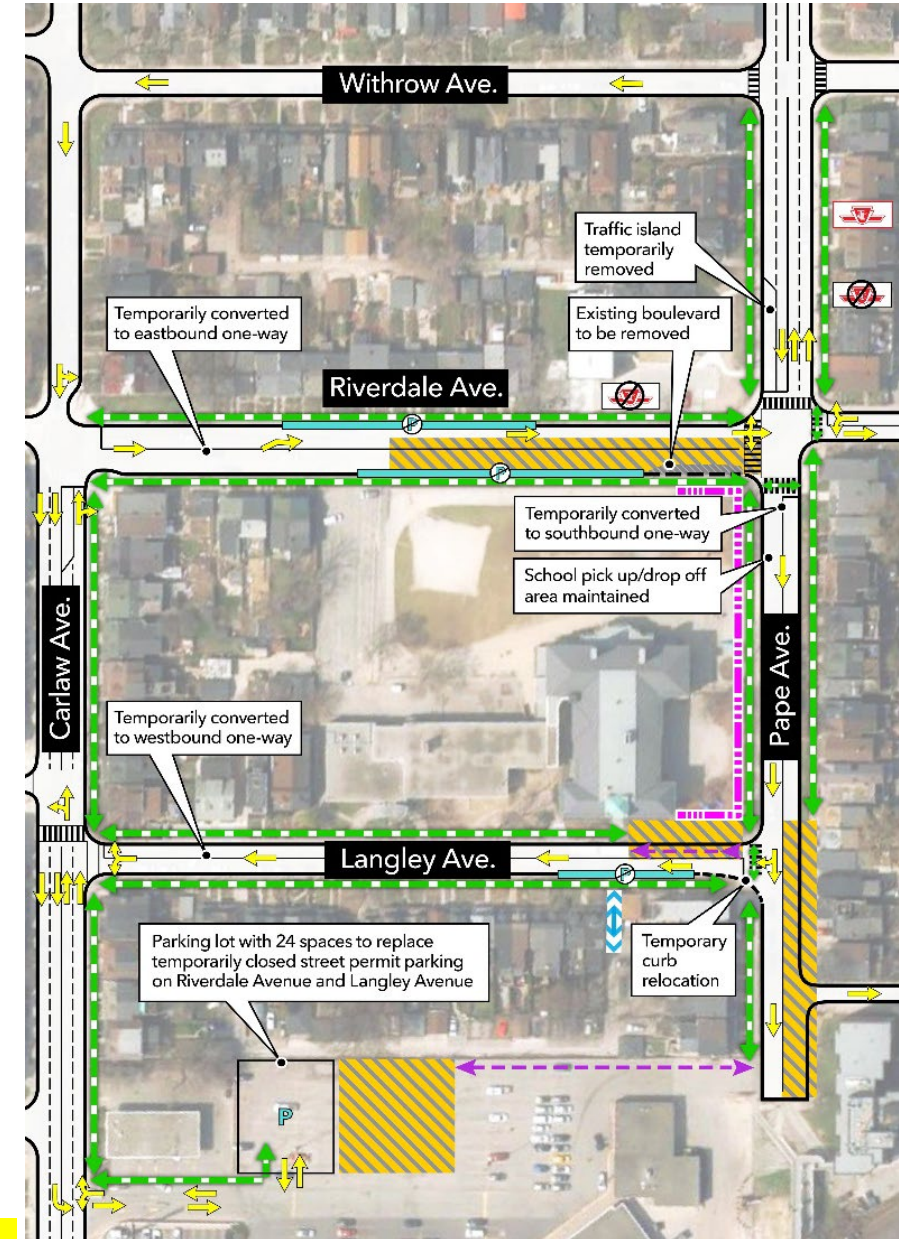
- **Parking impact:**

- 21 parking spaces along Riverdale
- 7 parking spaces along Langley

- **Pedestrian impact:**

- No impact in general. Paid Duty Officer to assist pedestrian if sidewalk closure is required.

Note: This is a functional plan developed by Metrolinx. Timeline, duration, phasing sequence and limits of closure are to be finalized with Metrolinx's contractor



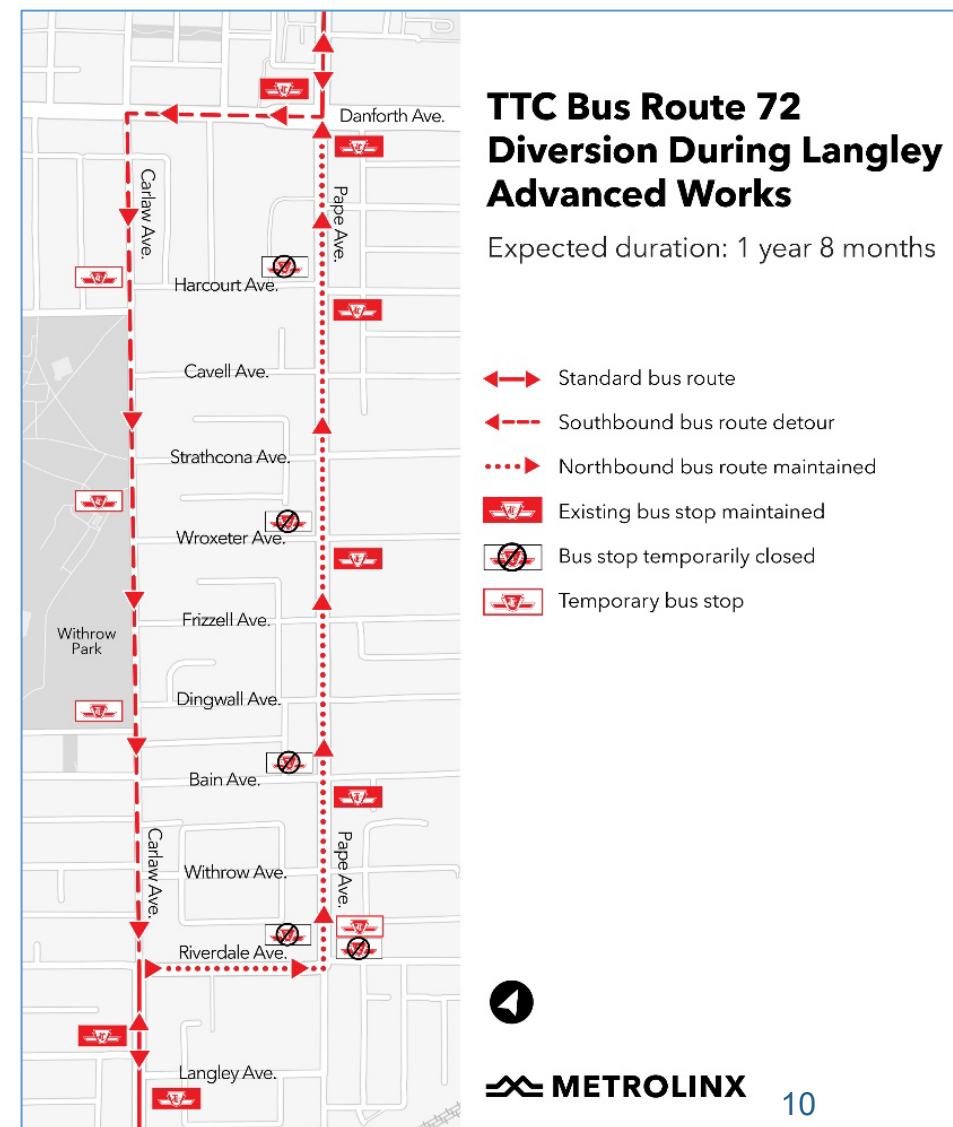
TTC Bus Route Impact

(Jun 2024 – Feb 2026)

Note: The timeline and duration of the bus diversion are the worst case scenario. The bus diversion plan will likely be starting in Q1 2025 for up to 12-month.

Metrolinx proposes the followings:

- TTC routes 72 and 325 southbound to be diverted via Carlaw Ave between Danforth Ave and Riverdale Ave
- Northbound route remains unchanged
- **Proposed Bus Stops:**
 - On the west side of Carlaw Ave
 - Near Harcourt Ave, Wroxeter Ave, and Dingwall Ave
 - Northbound bus stop at the Pape and Riverdale Ave intersection (far side) will be relocated approx. 50 m north
- Bus Frequency:
 - Every 10 minutes for most of daytime service (#72 bus)
 - Every 30 minutes for nighttime service (#325 bus)





Key Issues and Concerns from Previous Meeting

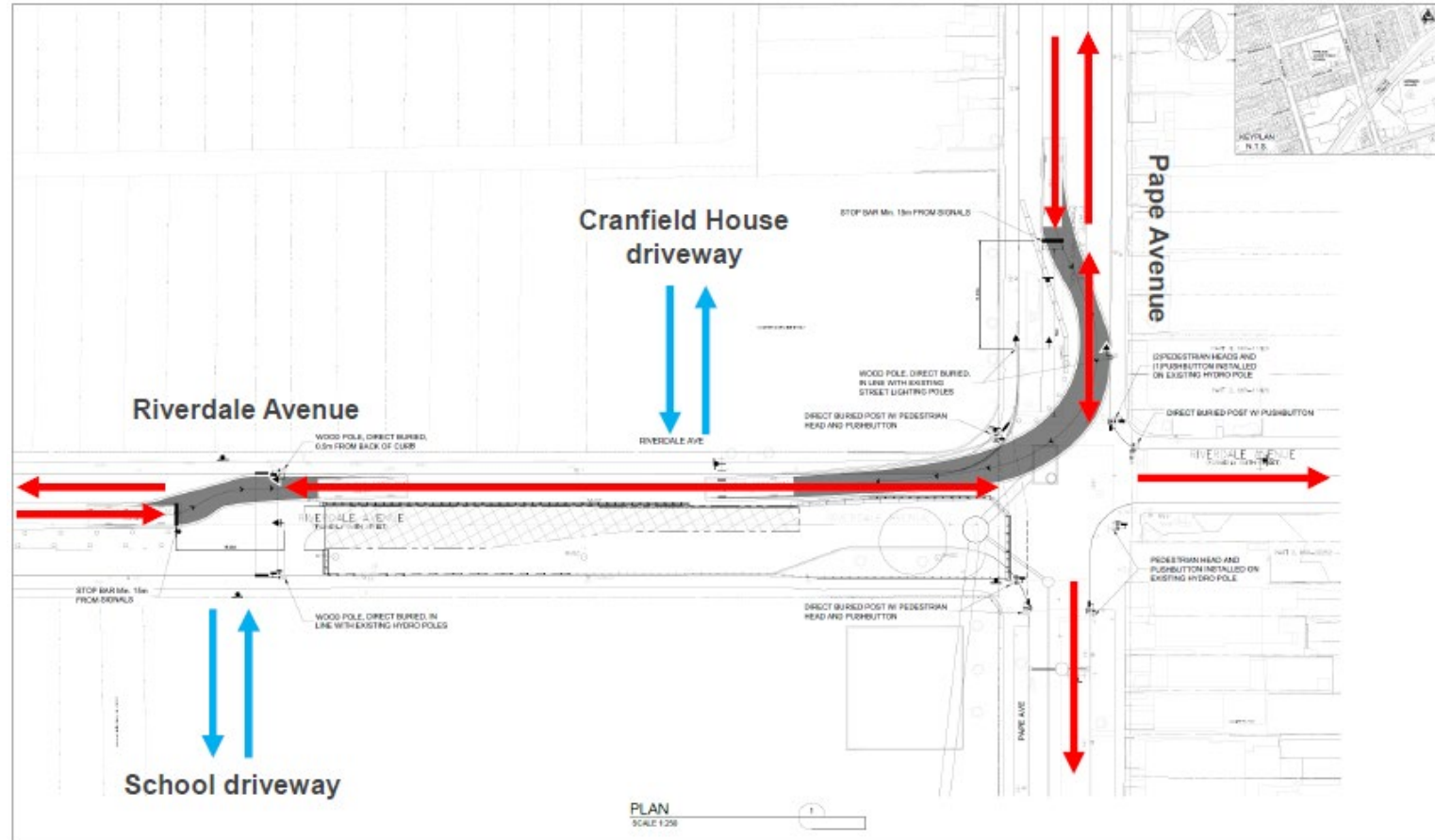
Key Issues and Concerns from Previous Meeting

Public Meeting was held on Feb 23, 2023 to provide updates on the Pape and Riverdale utility works.

- **Traffic Management:** Inquiry regarding traffic re-routing, bus diversions, and impacts on local streets.
- **Safety Measures:** Concerns about safety, emergency vehicle access, and accountability of contractors.
- **Community Impact:** Issues regarding parking, air quality, noise impacts.
- **Bus Route Alternative:** Feasibility of TTC bus to be maintained on Riverdale Ave

What if buses are to be maintained on Riverdale Ave?

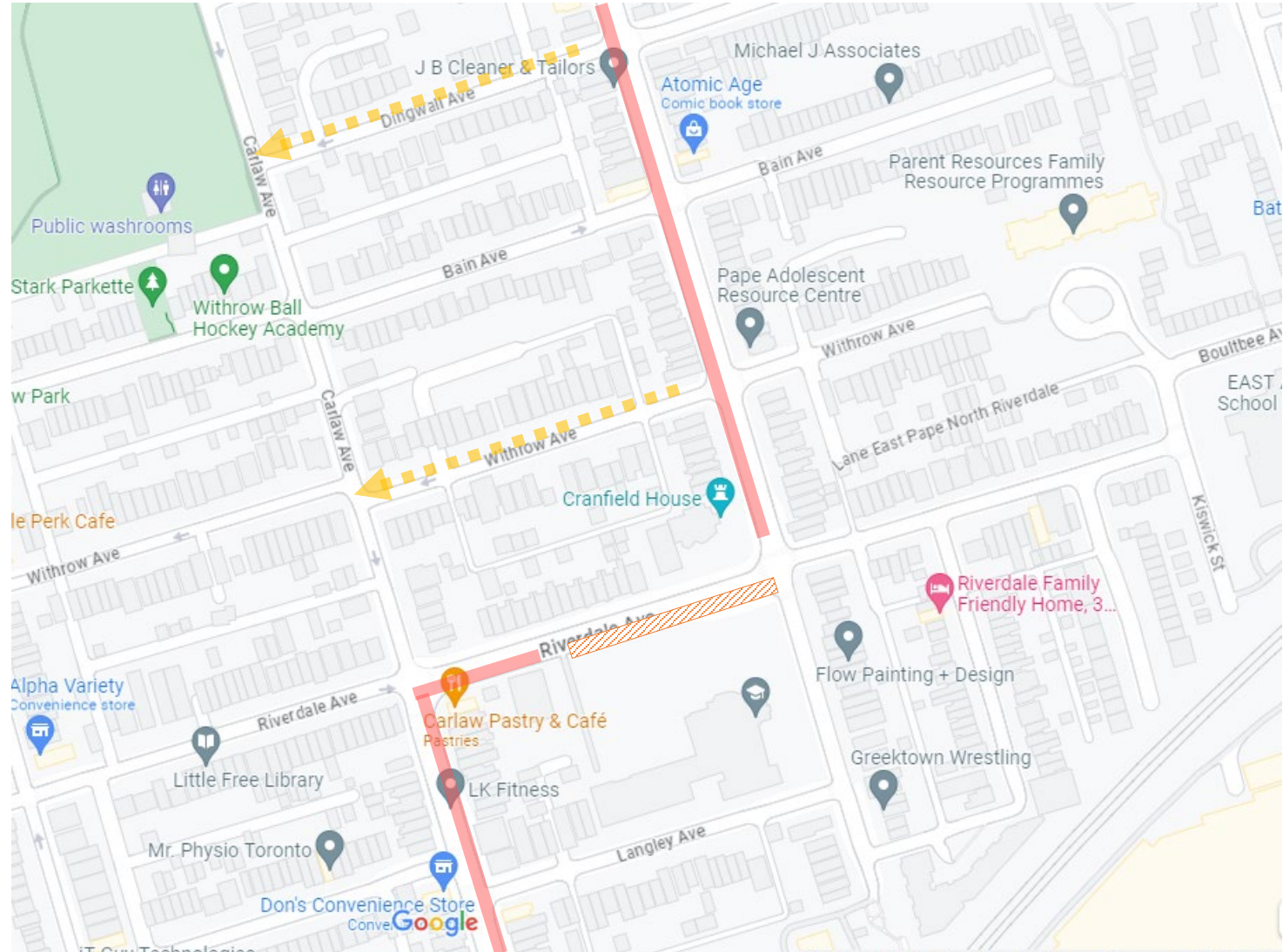
- Require temporary traffic signal
- Riverdale Ave changes
 - One-way EB east of Pape
 - Single lane with bi-directional traffic between Pape and School Driveway
- Pape Ave changes
 - One-way SB south of Riverdale
 - Single lane with bi-directional just north of Riverdale



Traffic Analysis: Queue and Delay

- Pape SB Queue up to ~260m
 - Potential traffic infiltration to Dingwall Ave and Withrow Ave
- Riverdale EB Queue up to ~370m
 - Traffic will queue up to NoFrills driveway
- Pape SB Delay up to **20 min**
- Riverdale EB Delay up to **29 min**

Traffic infiltration will be expected on Dingwall Ave and Withrow Ave



Traffic Analysis Results

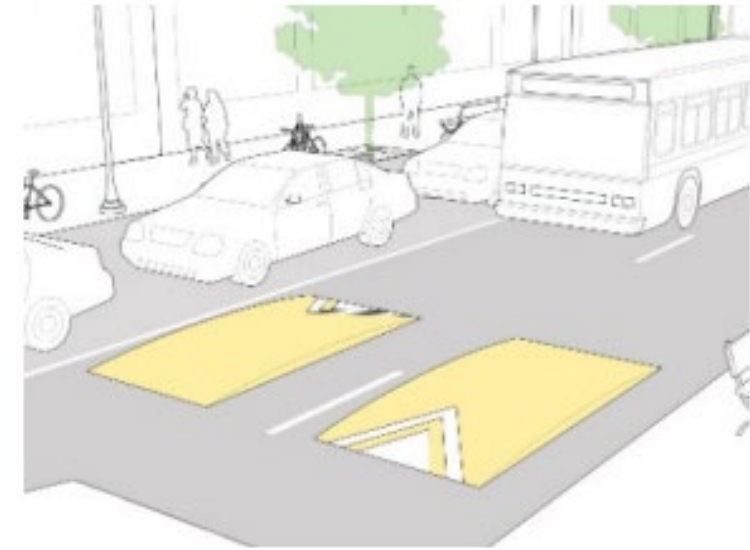
- Traffic modelling analysis shows significant queue length and delay at the intersection.
- Proposed traffic signal cycle length exceed the minimum values established by the City
- Longer cycle length to clear the intersection equates to longer delay for TTC buses and general traffic, as well as longer pedestrian waiting time to cross the road.
- With the excessive queue length, traffic will be infiltrated to other local streets (e.g. Dingwall Ave, Withrow Ave, etc.)
- Excessive delay may result with aggressive driving behaviour, thus safety concerns for vulnerable users at intersection.
- TTC staff are concerned with operational difficulty due to tight turning radii.
- **City staff do not recommend maintaining two-way bus operations on Riverdale Ave due to operational and safety concerns.**

What about maintaining buses on Riverdale Ave during nighttime only?

- TTC staff still has the same concern with operational difficulty due to tight turning radii.
- TTC customers will be confused on the location to board the 72 bus service if there are two different routes at different time of the day.
 - Example: Delay of the last daytime bus during day-night transition time may result with customer frustration as they may think that they wait at the wrong bus stop or miss the bus.
- Consistency of bus service is the key to encourage transit use.

TTC Bus Diversion: Mitigation Measure

- No impact to the existing parking on Carlaw Ave
- **Traffic Calming Measures** on Carlaw Avenue:
 - Speed Humps will be replaced by **Speed Cushions**
 - Operating **Hybrid Electric bus** for noise and vibration mitigation
- **Other measures:**
 - Adjust the TTC bus schedule during the school bus operation hours
 - TTC bus frequency will be reduced for night service



Traffic Mitigation and Safety Measures

- ✓ **Watch Your Speed** monitoring system will be installed to remind drivers of speed limit.
- ✓ **Paid Duty Officer and/or Traffic Control Person(s)** will be on-site managing traffic and pedestrian flow.
- ✓ Pedestrian wayfinding signage will be installed along all routes aiding students reaching to/from the school.
- ✓ Metrolinx and their contractor to install advanced advisory signage (**PVMS**).
- ✓ Temporarily removed permit parking will be accommodated at the 449 Carlaw Ave site.



VISIONZERO



Traffic Mitigation and Safety Measures

- ✓ Noise wall at the Pape School will be maintained for the entire duration.
- ✓ Metrolinx's contractor is required to apply for permits for work within the City road right-of-way.
- ✓ Traffic Control Plan will be reviewed by City staff to ensure that traffic, safety and emergency access issues are addressed.
- ✓ City staff will include traffic and work restrictions as conditions in the permit:
 - No construction truck operation during School pick-up/drop-off times between 7 a.m. – 9 a.m. and 3 p.m. – 5 p.m.
 - Mx and the contractor will ensure the safety of Pick-up/Drop-off activities by maintaining clear pathways, ensuring accessibility for all users.
 - Construction activities that may generate excessive noise will be limited to daytime only.
 - City's Road Disruption Activity Reporting System (RoDARS) will be updated to reflect the traffic restrictions.

Next Steps

- The City will coordinate with Metrolinx and their Contractor to ensure the work zone and traffic setup be compliance with City requirements from operations and safety perspectives
- Monitor the work zone and traffic configurations for the duration of the works
- Request Metrolinx to continue provide updates of the work plan and address issues and concerns raised at Pape School Construction Liaison Committee (CLC)
- Request Metrolinx to notify the community of any traffic changes in between construction phases
- Ensure area-wide capital works coordination to minimize concurrent work on parallel routes and maximize traffic mobility and safety

City of Toronto Contacts

Navi Tathgar, Manager

Transit Infrastructure Projects, Transportation Services

Tel: 416-397-4588

Email: Navi.Tathgar@toronto.ca

Astro Man, Senior Engineer

Transit Infrastructure Projects, Transportation Services

Tel: 416-338-2046

Email: Astro.Man@toronto.ca

Terry Francoeur, Senior Project Manager

Transit Infrastructure Projects, Transportation Services

Tel: 416-338-5396

Email: Terry.Francoeur@toronto.ca

