

# 2023 Infrastructure Improvements on Broadview Avenue

March 2023

# Overview

In 2023, the City and TTC have worked to coordinate delivery of infrastructure improvement projects along Broadview Avenue.

## **Sewer Rehabilitation – managed by Toronto Water**

- State of good repair under proactive Sewer Rehabilitation Program

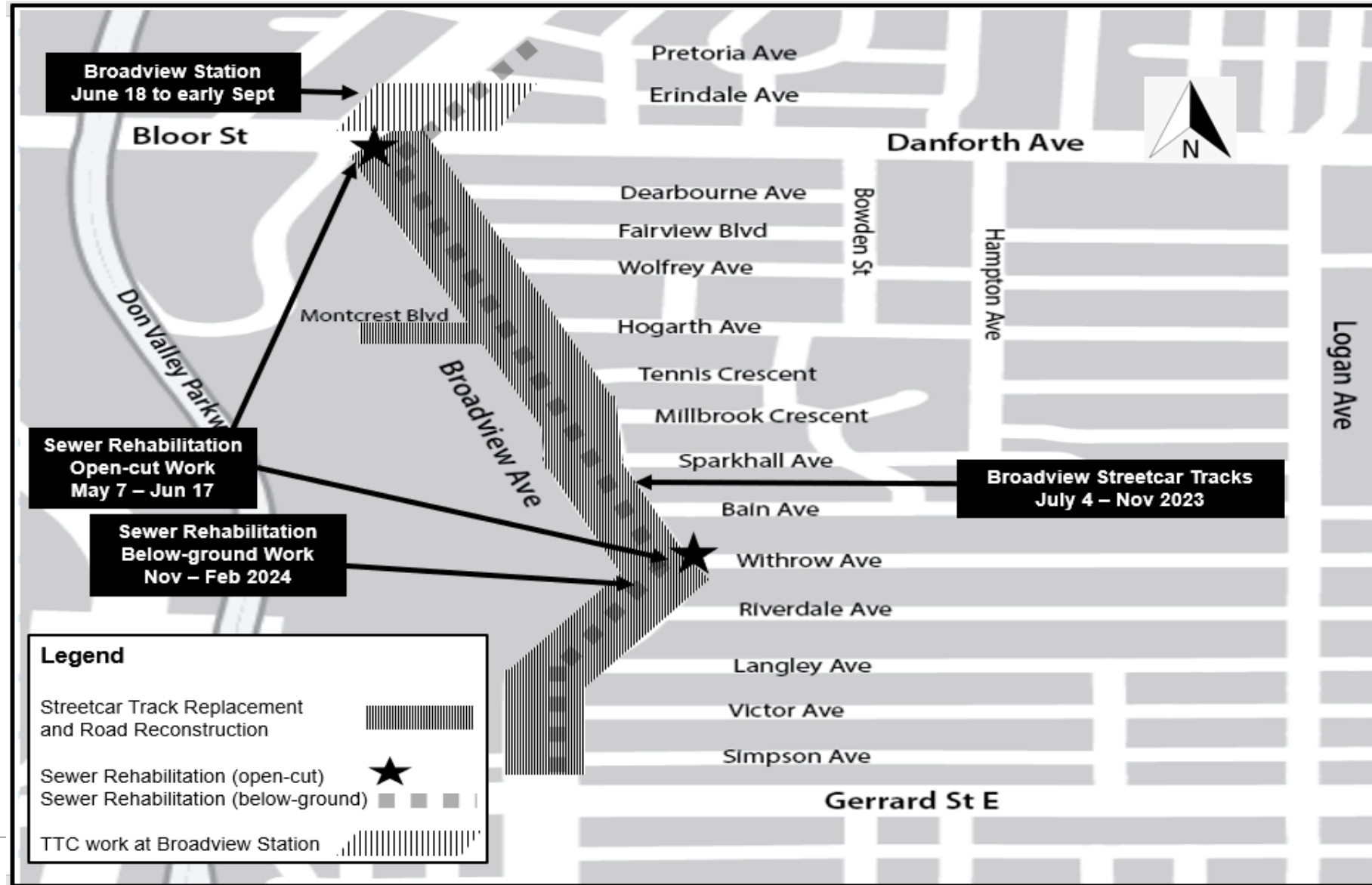
## **Streetcar Track Renewal from Danforth Avenue to Gerrard Street E – managed by City ECS**

- Streetcar track is past end of lifecycle; the last replacement from Danforth Ave. to Hogarth Ave. was in 1996, Hogarth Ave. to Gerrard St. E. was replaced in 2001
- Renewing the ageing streetcar tracks will help reduce current track noise and bring the track infrastructure to a state of good repair

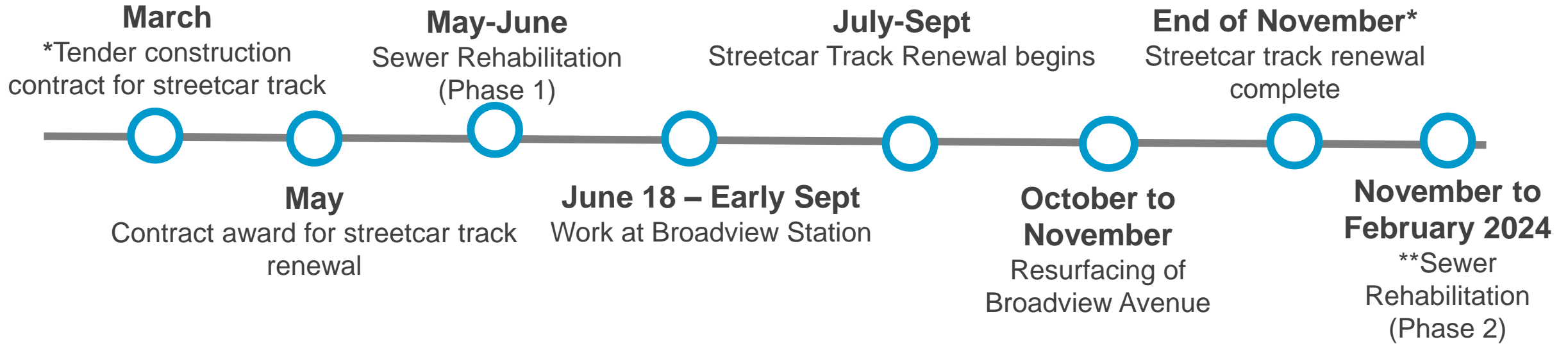
## **Broadview Station – managed by TTC**

- Includes work at Erindale
- State of good repair and streetcar platform expansion to TPA lot, to resolve traffic/transit/safety issues on Broadview; track last replaced in 2003

# Work Areas



# Projected Timeline



\*Schedule is subject to weather conditions and based on TTC Board periods

\*\*Toronto Water to continue Phase 2 work with trenchless sewer rehabilitation

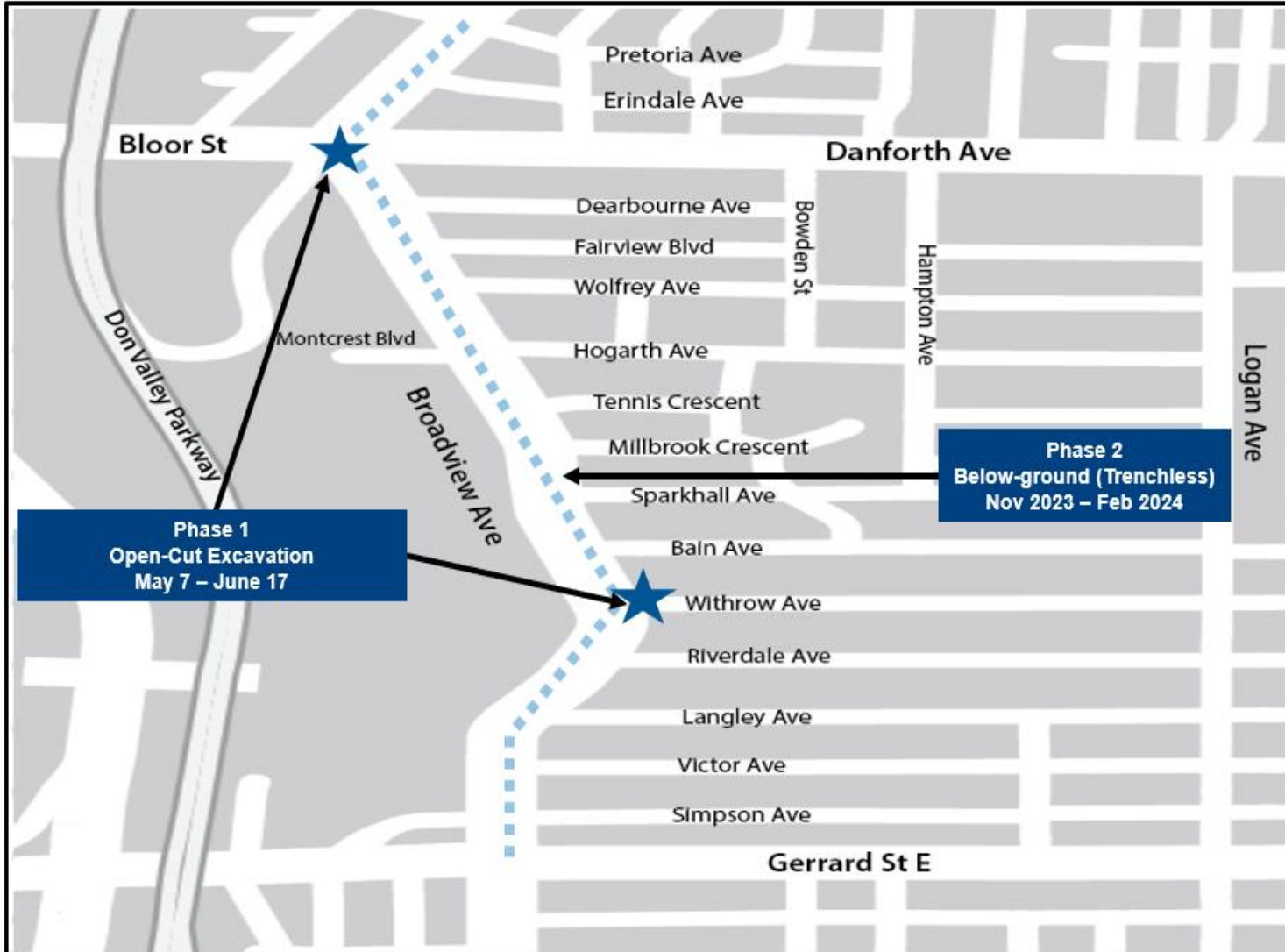
# Toronto Water Sewer Rehabilitation

# Sewer Infrastructure Upgrades

- Existing sewer infrastructure along Broadview Avenue has not been structurally lined before
- Rehabilitated sewers that have been structurally lined have a service life of **over 50 years**
- Renewing aging infrastructure reduce the risk of leaks, and ensure continued long-term reliable sewer service



# Construction Map



## From May 7 to June 17, work to include:

- Excavation including TTC track removal for manhole rehabilitation
- Temporary road cuts will be permanently restored by ECS
- One lane for north and southbound traffic on Broadview Ave to be maintained. Turning lines onto Broadview Ave will be impacted

## From November 2023 to February 2024, work to include:

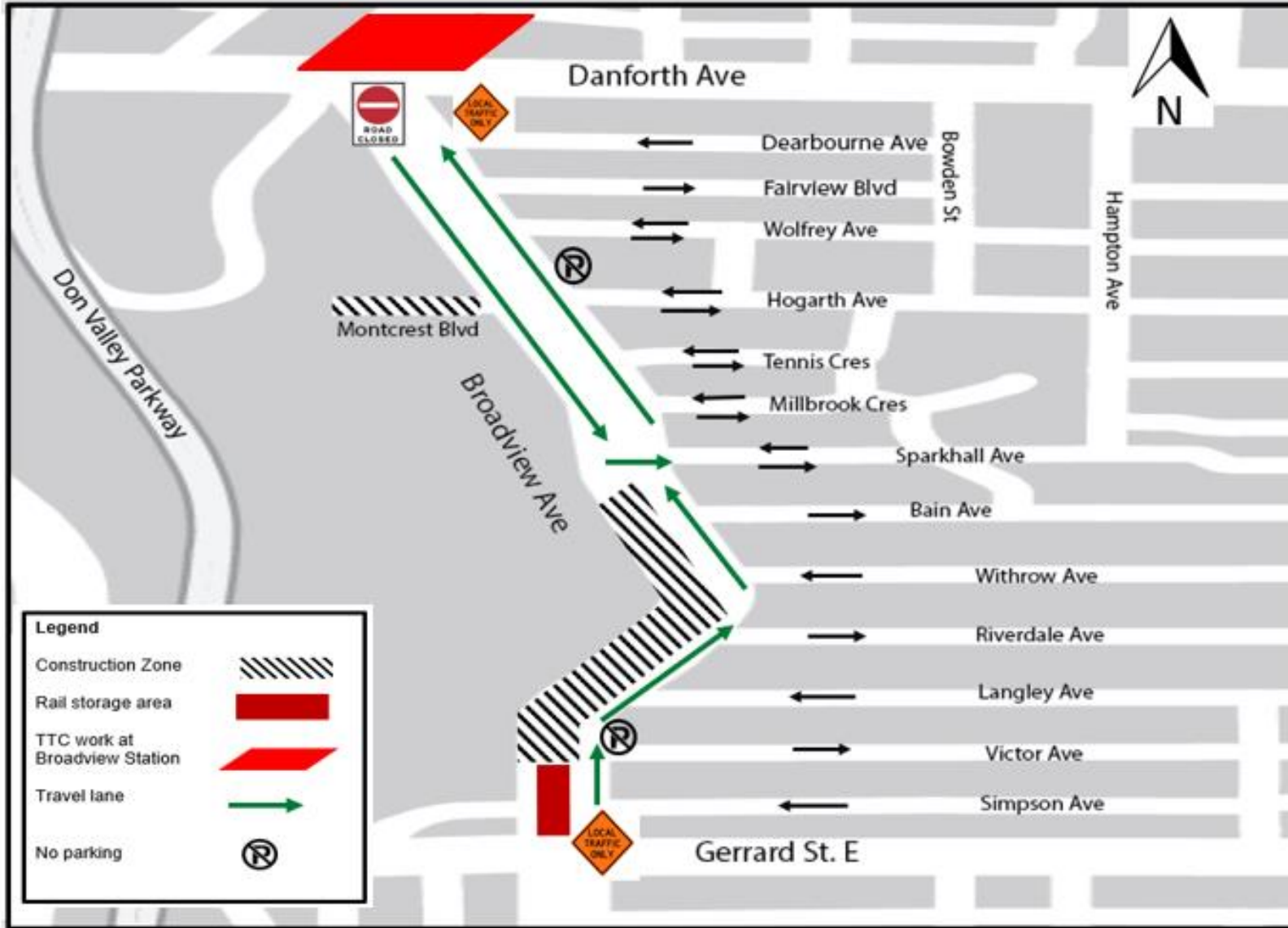
- No open-cut works anticipated
- Trenchless CIPP rehabilitation for remaining sewers along Broadview Ave from Pretoria Ave to Gerrard St E.
- Work will be completed via existing maintenance holes on the street. Construction vehicles will be set up over the maintenance holes where the equipment will be launched into the sewers.
- One lane for both northbound and southbound traffic will be maintained

# Streetcar Track Renewal from Danforth Ave to Gerrard St E

# Project Phasing

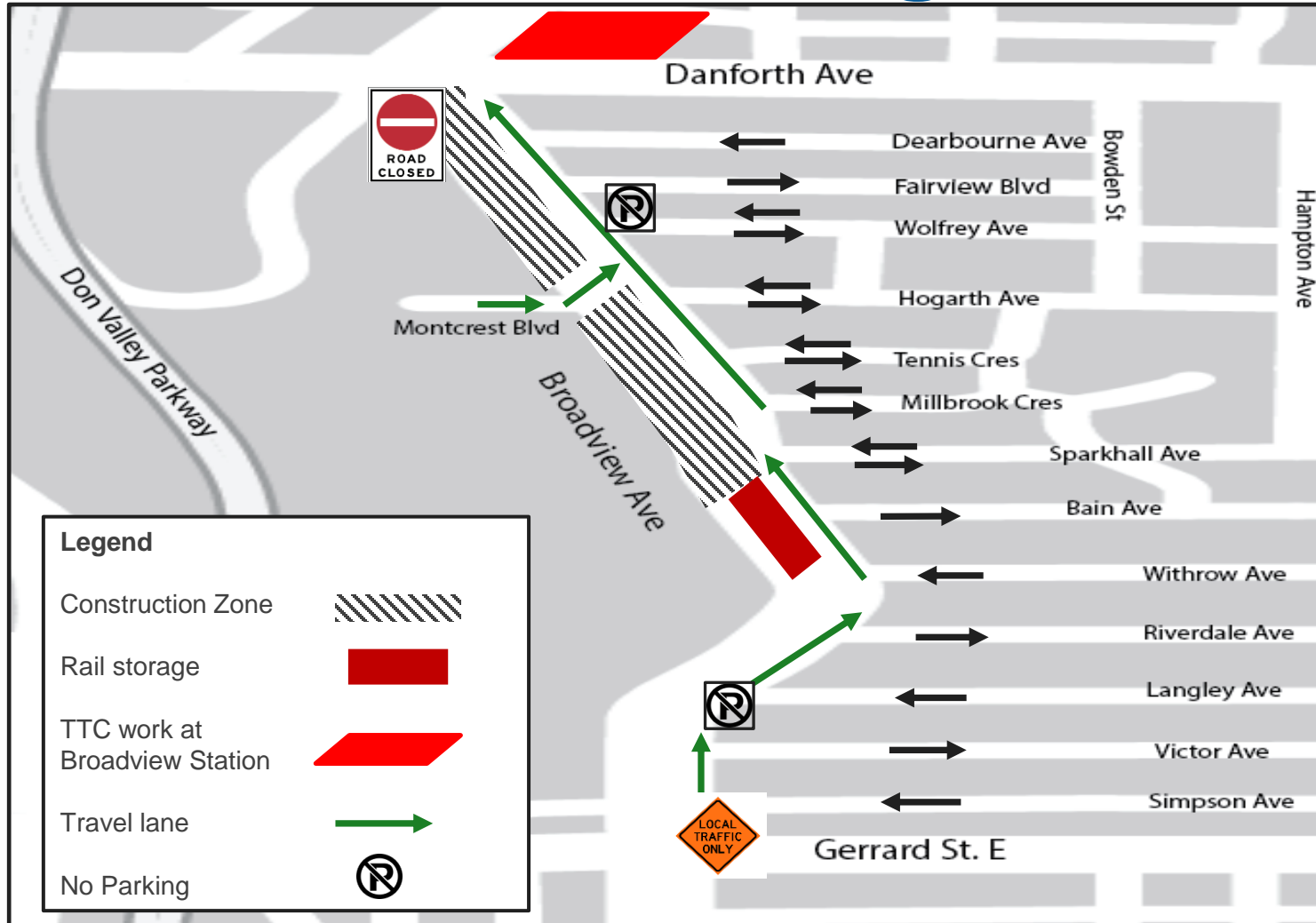
Phase	Timing	Scope of work
1	July 4 to early August	<ul style="list-style-type: none"><li>• Replacement of streetcar tracks between Victor Avenue and Sparkhall Avenue</li><li>• Reconstruction of Montcrest Boulevard</li></ul>
2	Mid-August to late September	<ul style="list-style-type: none"><li>• Replacement of streetcar tracks between Danforth Avenue and Sparkhall Avenue and at the intersection of Danforth Avenue</li><li>• Work at the intersection to occur after Taste of the Danforth and before Labour day weekend</li></ul>
3	Late September to early October	<ul style="list-style-type: none"><li>• Replacement of streetcar tracks between Gerrard Street East and Victor Avenue</li></ul>
4	Early October to end of November	<ul style="list-style-type: none"><li>• Resurfacing from Danforth Avenue to Gerrard Street East</li></ul>

# Phase 1 – July 4 to early August



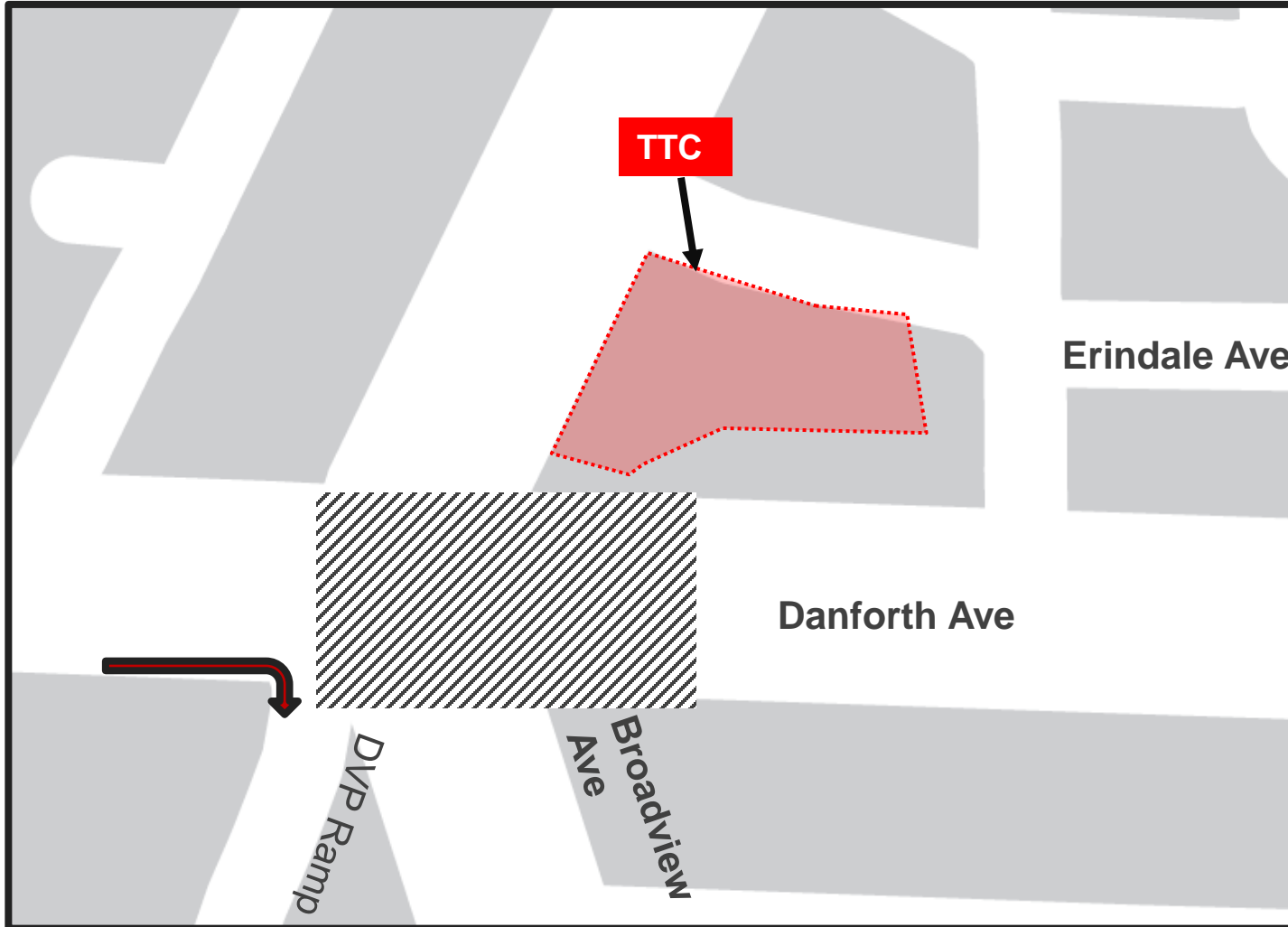
- Work zone will require use of three lanes along Broadview Avenue from north of Gerrard Ave. E to Sparkhall Avenue
- Only the northbound curb lane will remain open during this phase of work
- Sidewalk to remain open to pedestrians; PXO's will be closed within work zone
- Signage to indicate Local Traffic Only and include Road Closed signage at Danforth Ave. to limit vehicles moving southbound (City/contractor to work with businesses/residents on deliveries along Broadview Ave.)
- No parking will be permitted

# Phase 2 – mid-August to late Sept.



- Work zone will require use of three lanes along Broadview Avenue from Sparkhall Avenue to Danforth Avenue
- Northbound curb lane to remain open only
- Sidewalk to remain open to pedestrians; PXO's will be closed within work zone
- Break in work zone will allow for northbound travel from Moncrest Blvd
- Left turns from side streets to go southbound on Broadview will not be permitted
- No parking will be permitted along west side of Broadview and within construction zone

# Phase 2 – Broadview + Danforth Intersection



Work to replace the streetcar tracks in the intersection will require partial closure of lanes as work crews work on south side, followed by north side

During work on north side of intersection only eastbound traffic can get through (shared lane with bikes and vehicles)

- Westbound direction of Danforth Avenue will be closed for up to two weeks because of the rail realignment at the intersection

During work on south side of intersection, one lane in each direction will be maintained

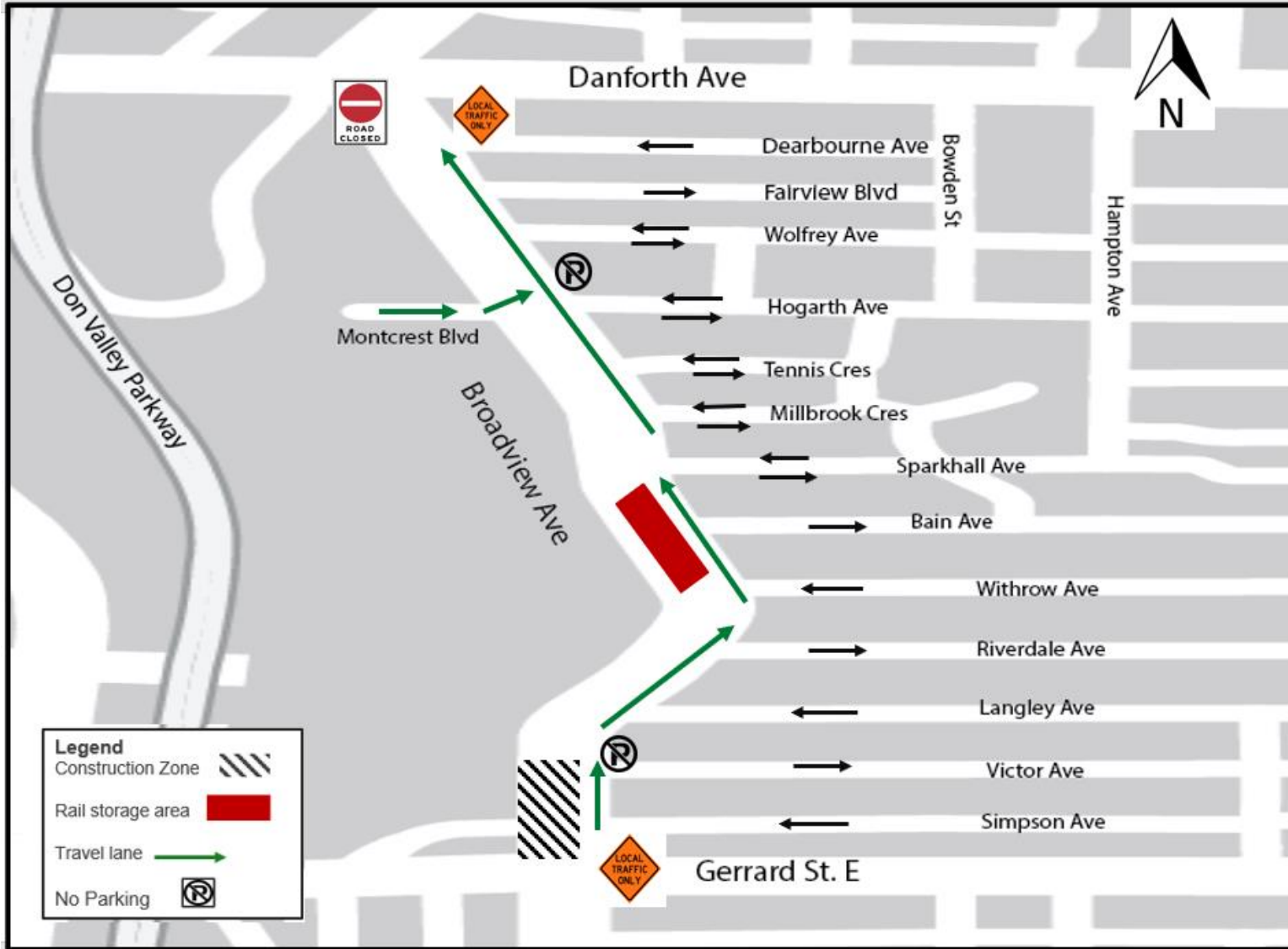
- Eastbound traffic will be maintained throughout this phase

Cyclists will be required to merge with traffic (single file) through the area

Eastbound and westbound traffic will not be able to turn onto Broadview Avenue – straight movements only

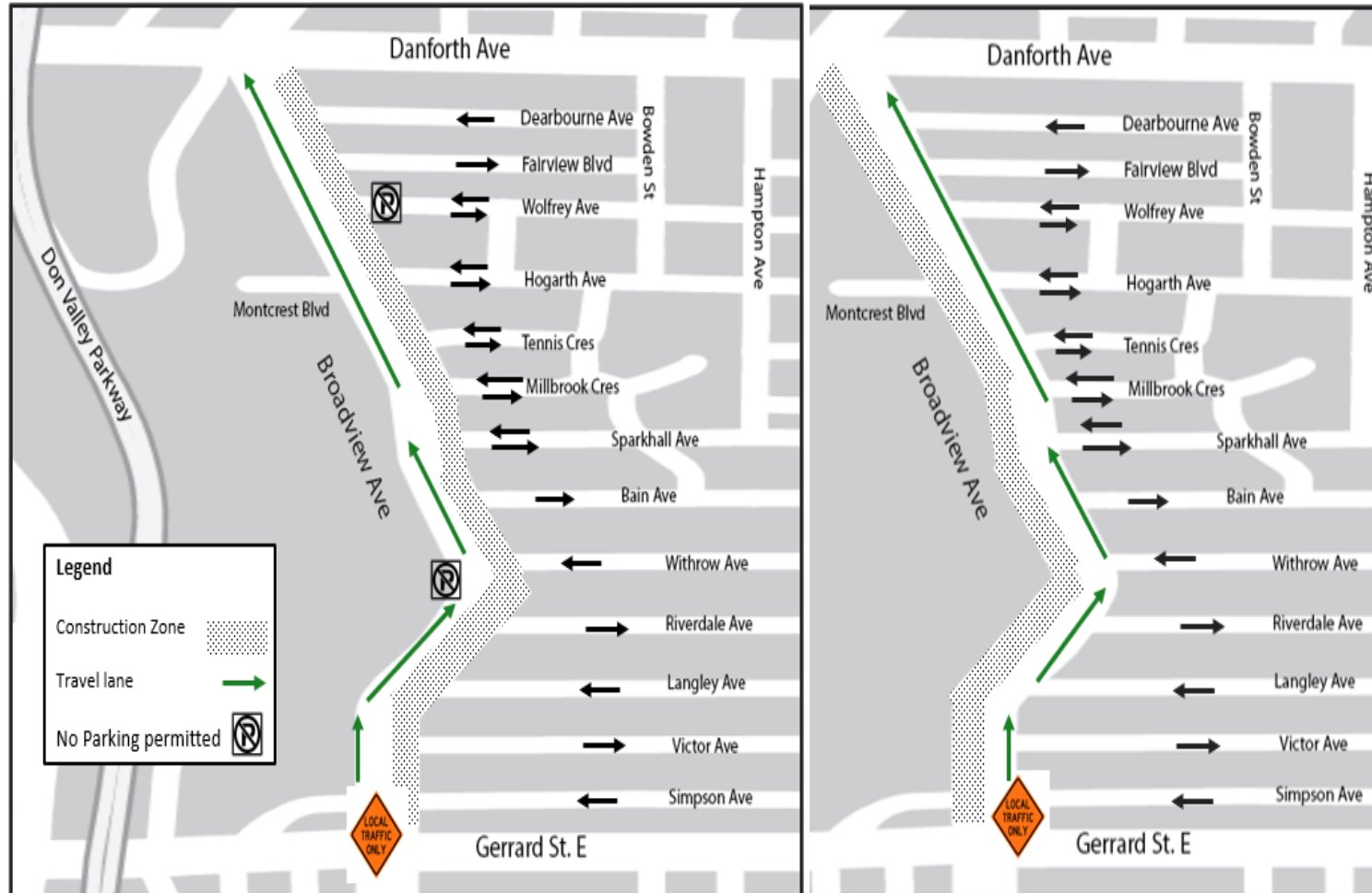
Access to DVP ramp to remain open

# Phase 3 – late-Sept. to early October



- Work zone will require use of three lanes along Broadview Avenue from Gerrard St E to Victor Avenue
- Northbound, curb lane to remain open only
- Sidewalk to remain open to pedestrians
- Left turns from side streets to go southbound on Broadview Avenue will not be permitted

# Phase 4 – October to November



- During this Phase of work crews will move to east side of Broadview Avenue, working in short sections
- Work crews to perform work moving north from Gerrard Street E. to Danforth Avenue in short sections
- Northbound travel to be maintained as crews perform work on the west side of Broadview Avenue
- No parking to be permitted
- Access to driveways and side streets will see limited interruptions (30 minutes) as work crews grind and lay asphalt

# Traffic Management

To help manage traffic flow in the Broadview Avenue area, the City and contractor will:

- Install “Watch Your Speed” signs
- Install portable variable messaging signage at:
  - Bloor Street and Sherbourne Street
  - Gerrard Street E. and Sumach Street
  - Broadview Avenue and Dundas St
  - Gerrard Street E and Jones Avenue
  - Danforth Avenue and Greenwood Avenue
  - Broadview Avenue and Mortimer Avenue
- Install advisory signs at numerous locations from Bloor, Parliament, Eastern, Queen, Greenwood, Danforth, O’Connor (see map)
- Install 10 cameras in various intersections for real time video monitoring of traffic impacts
- Signal timing modifications tailored to traffic impacts, as well timing modifications on alternate routes to increase travel efficiency
- Increase coordination and oversight of work zones through more dedicated resources
- Increased pedestrians safety and accessibility coordination
- Coordination with Cycling Unit on increased safety measures and possible alternate routing
- Hire Paid Duty Officers at locations to direct traffic and assist in diverting TTC bus as required
- Install “Open for Business” signage

The City and TTC will:

- Install transit pole cards/posters on TTC routes
- Issue news releases; tweets about traffic advisories

# Advisory Signs



# Notification & Engagement

Ahead of and during construction, we will:

- **Set-up ongoing meetings with BIA and key stakeholders to provide updates on construction progress and schedule**

Notification and engagement will also include:

- Pre-Construction Notice to all properties between O'Connor, Greenwood Ave, Queen St.
- Door-to-door outreach to business and key properties along Broadview Avenue
- Public Information Event to advise community of phasing, scheduling and local impacts
- Construction Notice about 3 weeks before construction starts
- Regular email updates as work progresses
- Signage to be posed at key locations
- Webpage updates at [www.toronto.ca/BroadviewConstruction](http://www.toronto.ca/BroadviewConstruction)
- Social media posts

# Broadview Station

## Track renewal and loop expansion

# Broadview Station Track Conditions – last full replacement in 2003

- Worn rail
- Deteriorated Concrete



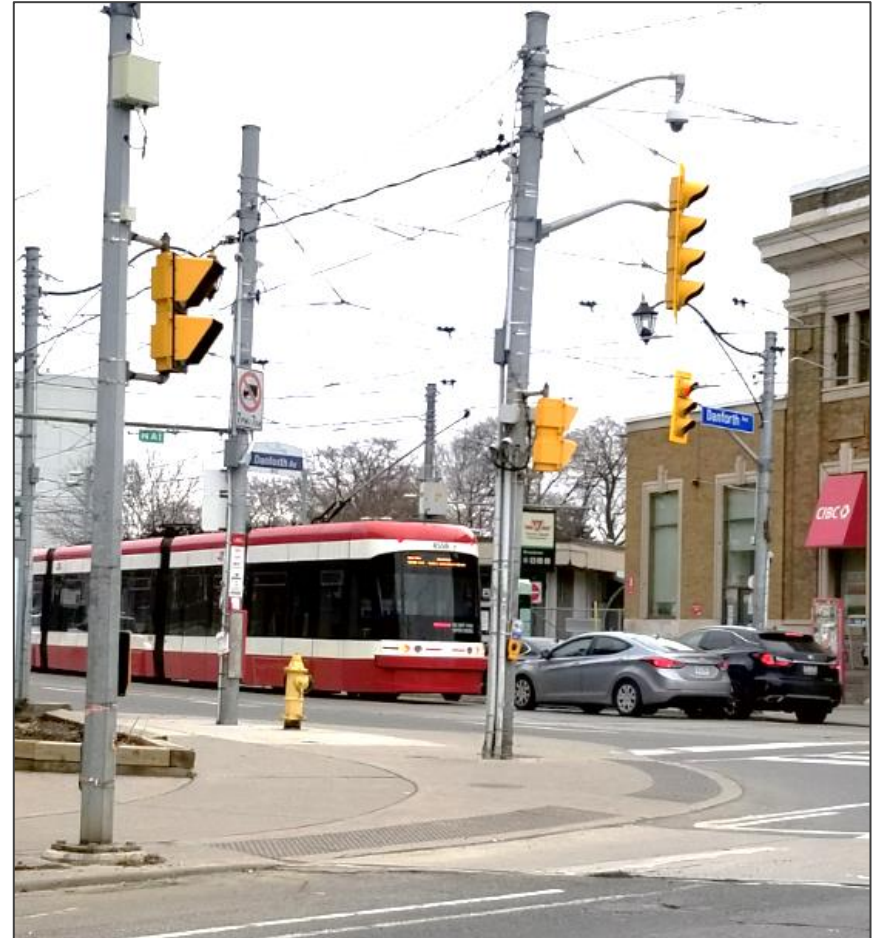
# Broadview Station Track Conditions – last full replacement in 2003

- Deteriorated Concrete
- Heaving Concrete



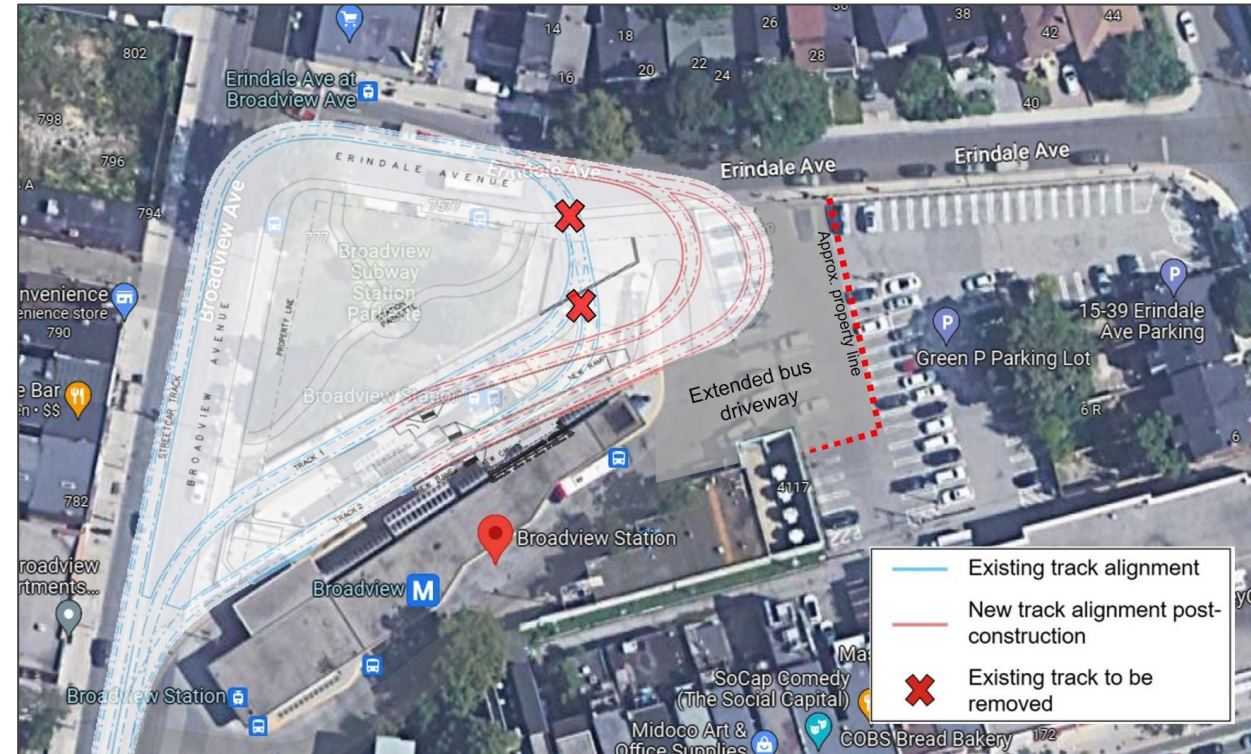
# Broadview Station ridership and streetcar queuing

- Recent counts in 2022 show over 76,000 customers continue to use the 504 King and 505 Dundas streetcars each weekday
- **Over 10,000 streetcar trips begin or end at stops on Broadview Avenue between Queen Street and Danforth Avenue every weekday alone**
- Over 9,500 streetcar trips begin or end at Broadview Station, which makes it as busy as multiple subway station platforms



# Context on Broadview Station Work

- To resolve traffic, transit, pedestrian safety concerns on Broadview Avenue, TTC property/station loop will be expanded east into the TPA “Green P” lot.
- Per City Transportation’s 2020 traffic safety recommendation report, the project will ensure two low-floor streetcars *per platform* can fit inside the station to avoid blocking lanes on Broadview Ave.
- [Traffic Safety Review - Broadview Avenue at Erindale Avenue, Broadview Avenue at Danforth Avenue and Broadview Transit Station \(toronto.ca\)](#)
- Project will significantly enhance pedestrian safety by preventing streetcar blockage of sidewalks on the east side of Broadview Avenue.

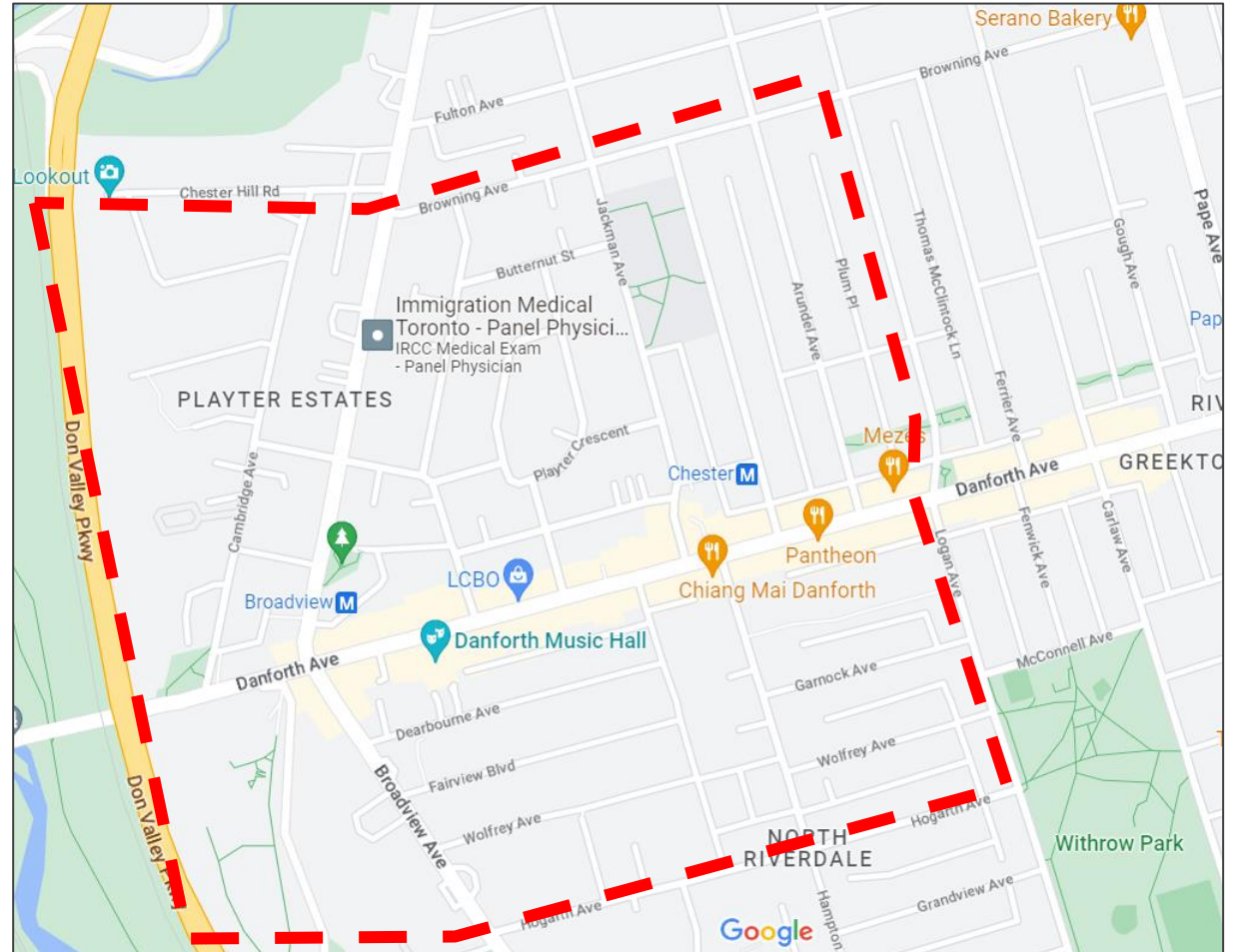


# Parking Mitigation – under consideration by City Transportation

Broadview Station construction would temporarily close TPA's lot for approximately 60 days. A permanent loop expansion would impact approx. 33 parking spots.

In support of BIAs and local residents, mitigation is required to create new on-street parking spaces. Review underway with City Transportation, TPA within a 400-500 metre radius of Broadview Station bounded by:

- North – Browning Avenue
- South – Hogarth Avenue
- West - DVP
- East – Logan Avenue



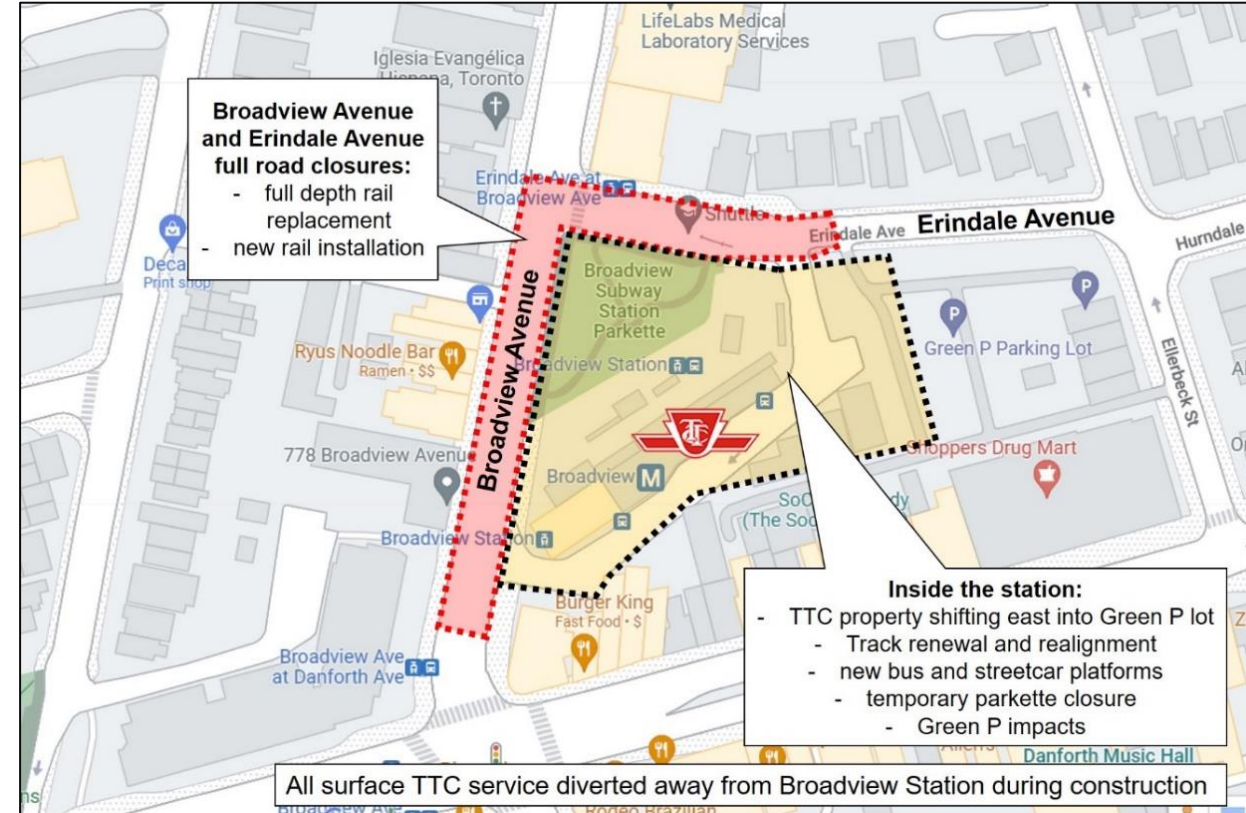
# Broadview Station Construction Details

Timing: June 18 to Sept 2023

Rail infrastructure at the station is at end of life and needs to be returned to state-of-good-repair

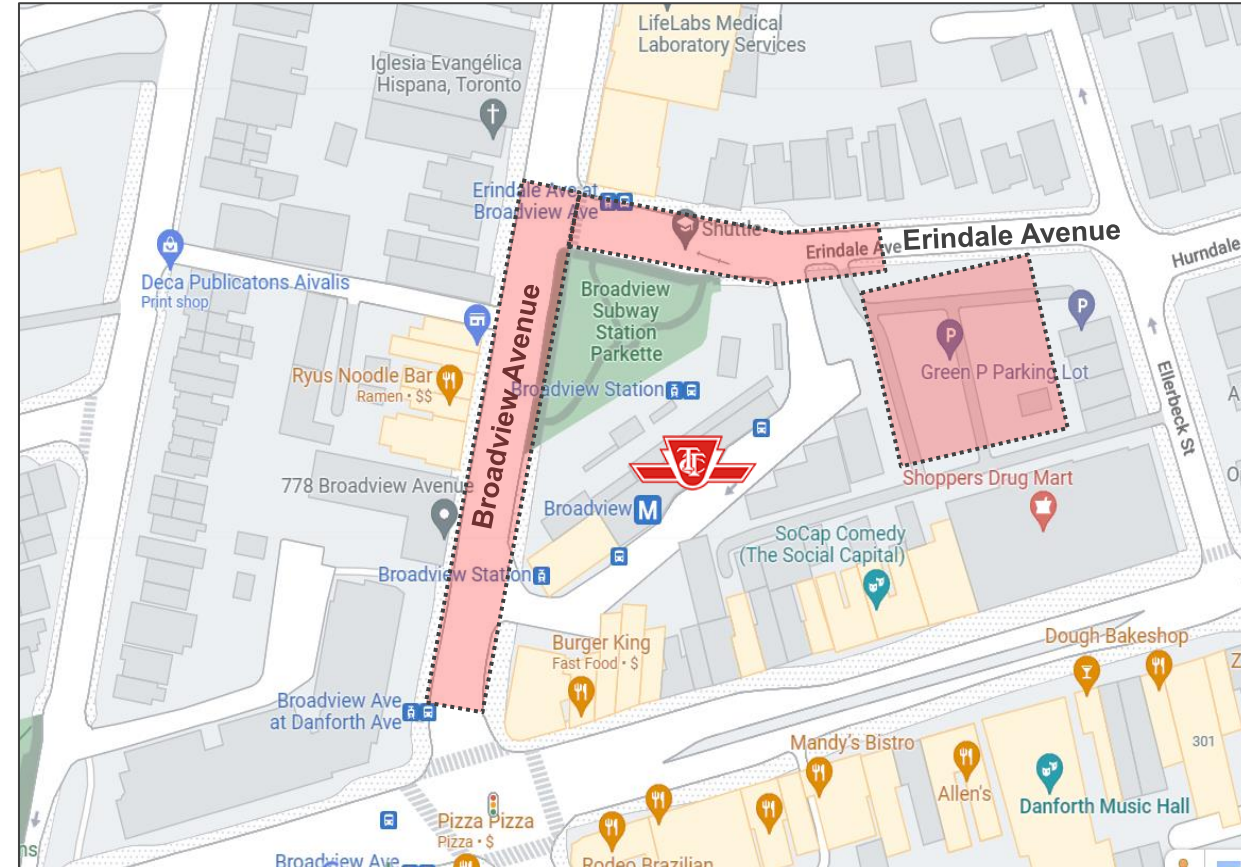
TTC will renew and expand the track and overhead infrastructure on Broadview Avenue north of Danforth, at Broadview Station, on Erindale Avenue, and into part of the TPA lot. TPA land required is the absolute minimum to fit an additional streetcar as recommended in City's Traffic Safety report.

- A full closure on Broadview, north of Danforth and on Erindale will be required for a maximum total 30 days.
- Following construction, four streetcars will fit into the station loop, significantly improving current safety/traffic issues on Broadview Avenue from queueing streetcars.
- Bus and streetcar service will be re-routed for full duration. Subway service will be maintained.



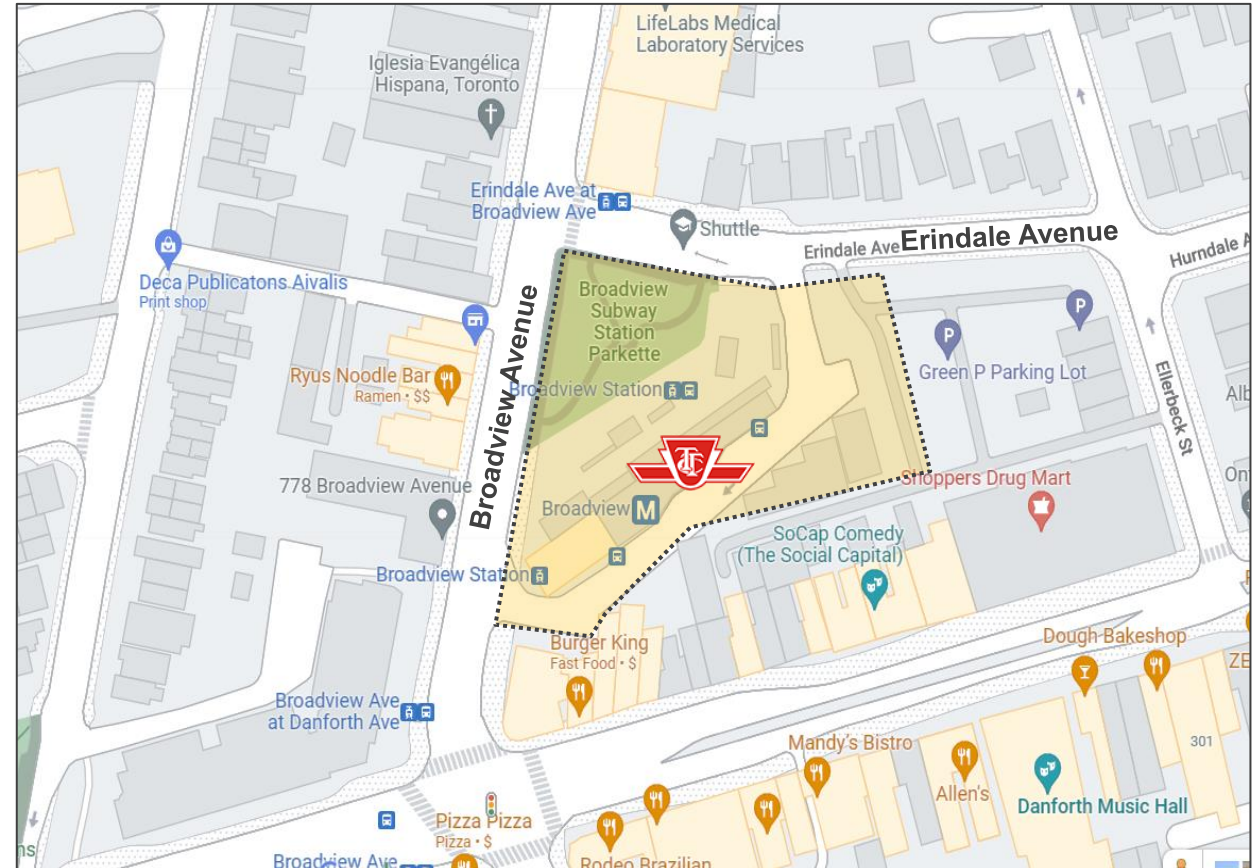
# Phase 1 – starting June 18

- **Timeline: June 18 to Mid-July (30 days)**
- Road closure and track work on Broadview Avenue prioritized first
- Erindale Avenue will be closed following work on Broadview Avenue
- Green P lot will be closed for reconfiguration
- Customers can access station for subway service



# Phase 2 – starting mid-July

- **Timeline: Mid-July to Early Sept**
- Work will occur inside station property:
  - Track, overhead and customer platforms will be renewed
  - Bus entrance and bus driveway on Erindale Avenue shifting east
- Customers can access station for subway service



# Notification & Engagement

Ahead of and during Broadview Station construction, TTC will:

- Meet with Broadview-Danforth BIA and other key stakeholders in the immediate area
- Issue TTC-specific Pre-Construction Notice to the wider community. Hand-deliver notice to the immediate area including Broadview, Danforth, Erindale, Ellerbeck
- Coordinate public information event with City of Toronto to advise community of phasing, scheduling and local impacts
- Issue flyer specific to transit changes before construction start
- Issue Construction Notice prior to construction start
- Set-up ongoing meetings with BIA and key stakeholders
- Regular email updates as work progresses
- Construction signage and transit signage to be posted at key locations
- Updates on TTC's construction webpage: [ttc.ca/broadviewconstruction](http://ttc.ca/broadviewconstruction)



**Come in we're OPEN for Business During Construction**

The TTC and City of Toronto will be working in your neighbourhood this spring to improve rail transit, road, and sidewalk infrastructure. This work will require an intersection closure at Spadina Avenue and College Street.

We encourage the community to support local businesses, which will remain open during construction. Access to the Centre for Addiction and Mental Health (CAMH), including the emergency department entrance, will be maintained at all times.

**Service Changes**

**March 29 – May 9:**  
 510 Spadina – buses will replace streetcars on this route and operate between Spadina Station and Queens Quay/Spadina Loop only (not to Union Station). Fare payment by PRESTO will not be available. Proof of Payment (POP) will continue to be in effect.  
 500 Harbourfront – new streetcars will operate on this route and provide service on Queens Quay West between Exhibition Loop and Union Station. Fare payment by PRESTO will be available (new streetcars only). Proof of Payment (POP) will be in effect.

**April 5 – April 27 (6 a.m.) subject to weather:**  
 Full intersection closure of Spadina Avenue and College Street.  
 510 Spadina and 506/306 Carlton routes diverting (see map).

**Spadina Avenue and College Street Intersection Closure April 6 – 27, 2015**

**Map Legend**

- 506/306 Carlton Diversion
- 510 Spadina Diversion
- 500 Harbourfront Diversion
- 504 Spadina Loop Diversion
- 509 Harbourfront Diversion
- 503 University Ave Diversion
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Please visit [ttc.ca](http://ttc.ca) for more information about TTC route and service changes during construction, and visit [toronto.ca/construction](http://toronto.ca/construction) for construction updates.

Thank you for your patience as we continue to improve transit in Toronto.

TORONTO TRANSIT COMMISSION



# TTC service during the various projects

# TTC Service

## May 7 to June 17, September 3 to February 2024

(1) May 7 to June 17, 2023

Toronto Water work at three locations

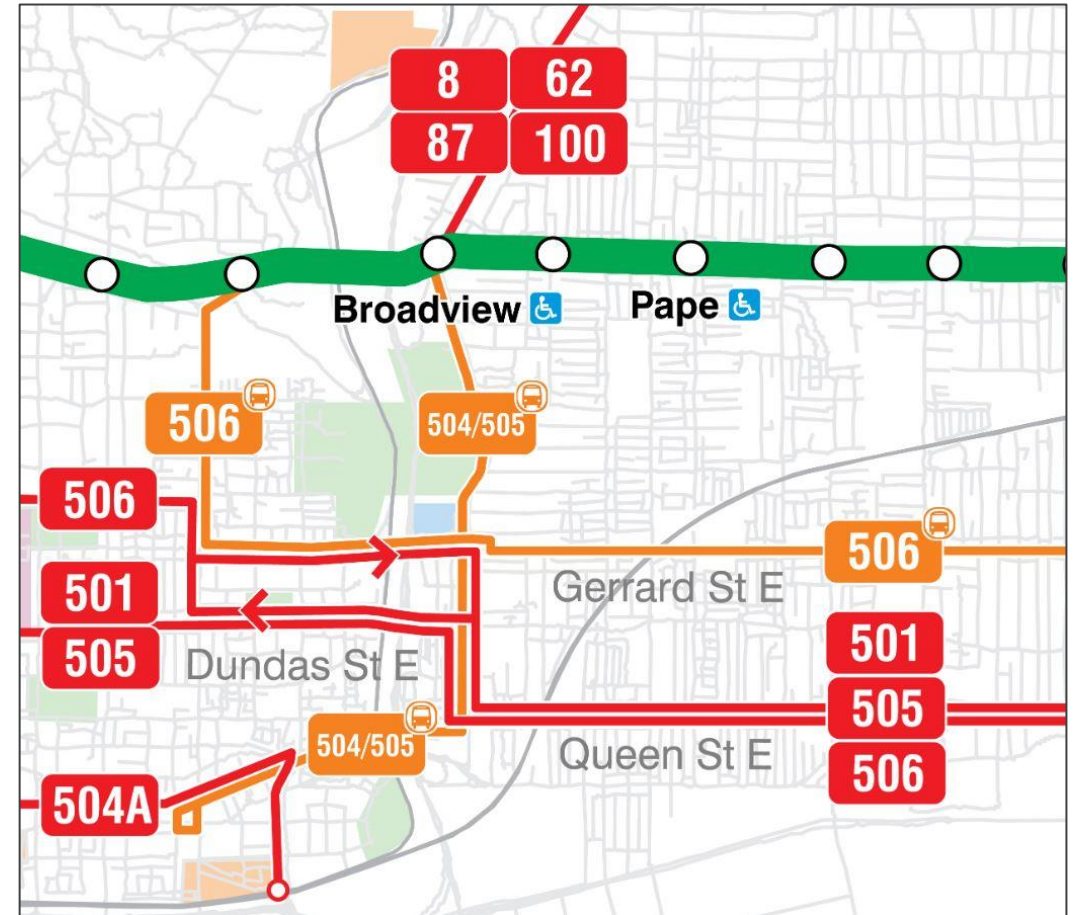
504/304 King and 505 Dundas streetcars replaced with buses operating on Broadview Avenue to Broadview Station. **8 Broadview, 62 Mortimer, 87 Cosburn, 100 Flemingdon Park** maintained.

(3) September 3 to February 2024

City ECS Broadview Avenue resurfacing work, TTC overhead work

504/304 King and 505 Dundas streetcars replaced with buses operating on Broadview Avenue to Broadview Station. **8 Broadview, 62 Mortimer, 87 Cosburn, 100 Flemingdon Park** maintained.

\*transit details subject to change



# TTC Service

## June 18 to September 2, 2023

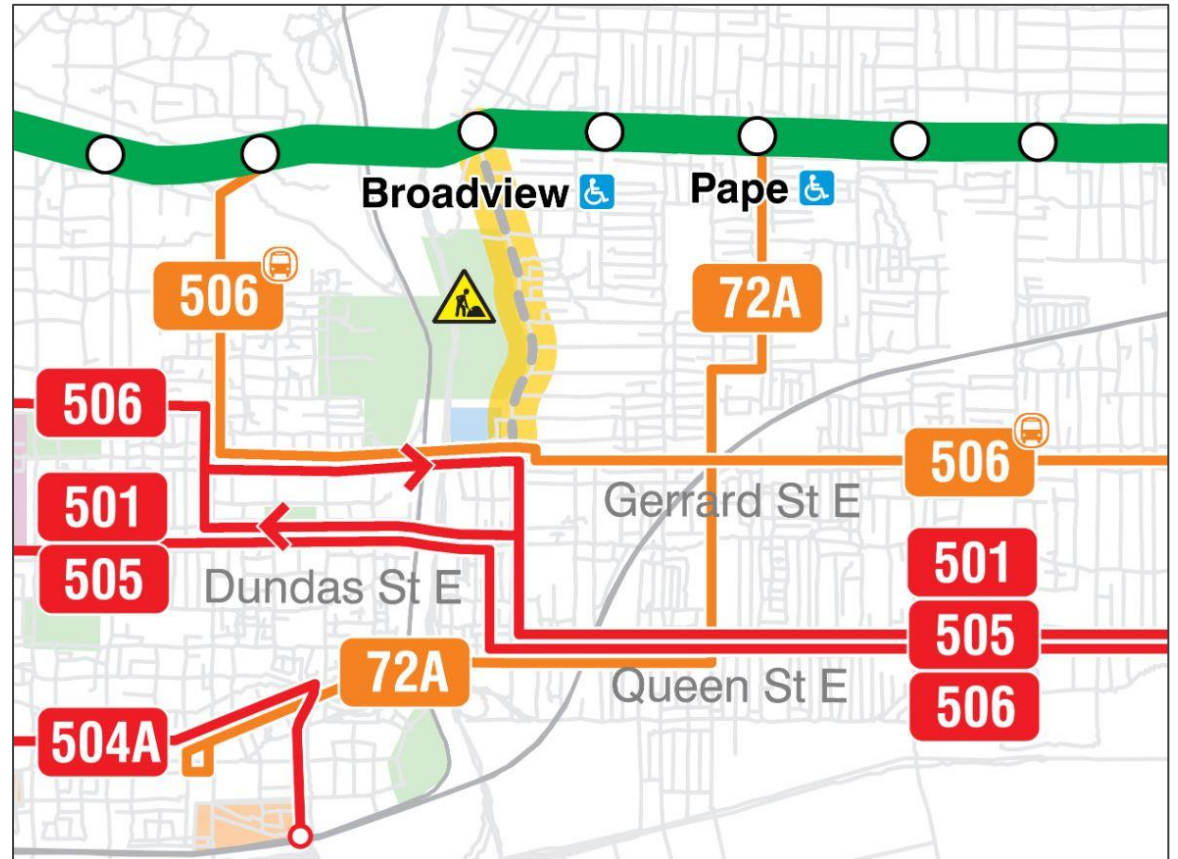
(2) June 18 to September 2, 2023

**TTC Broadview Station work, ECS Broadview Avenue track work**

Bus operations not possible on Broadview from Gerrard to Danforth. Connection between Line 2 and Broadview at Queen via diverted **72 Pape** buses. **504 King streetcars** routing to Distillery Loop. **505 Dundas streetcars** routing to Bingham Loop.

Bus operations not possible on Broadview from Erindale to Mortimer. **8 Broadview, 62 Mortimer, 87 Cosburn, 100 Flemington Park** divert.

\*transit details subject to change



# Key Contacts

## **Broadview Streetcar Track Renewal**

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