



St. Clair Infrastructure Improvements Overview of Projects

Updated: Spring 2024

Overview

- Coordinating key state of good repair (SOGR) and station improvement projects to improve streetcar service reliability in the long-term.
- Streetcar overhead power upgrades for 512 St Clair (Right of Way).
- Infrastructure renewal projects inside St Clair West Station and St Clair Station.
- Coordinating TTC projects with non-TTC third-party works (Metrolinx, City of Toronto and Toronto Water) to minimize duration.
- Overhead power upgrade work along the route (near loops, poles, pits and substations).



Return of 512 St Clair Streetcar Service – Summer 2024

- TTC is prioritizing work on the east-west track and structural portions of St Clair West Station to return streetcar service as soon as possible. TTC will then complete full structural and electrical works for the *streetcar loop* inside the station.
- **TTC plans to return 512 St Clair streetcar service on June 23, 2024.**
- For an interim period between Summer 2024 and December 2024, boarding for the 512 St Clair Streetcar will be outside of St Clair West Station until the full station loop upgrades are completed.
- Prior to resuming 512 St Clair streetcar service, TTC will run test cars (“out-of-service” vehicles) along the line.
- Deficiencies along the route including damage to street furniture, shelters and signs were addressed during this period as well. Damage to the Spadina stop will be addressed in the near future (date TBD).

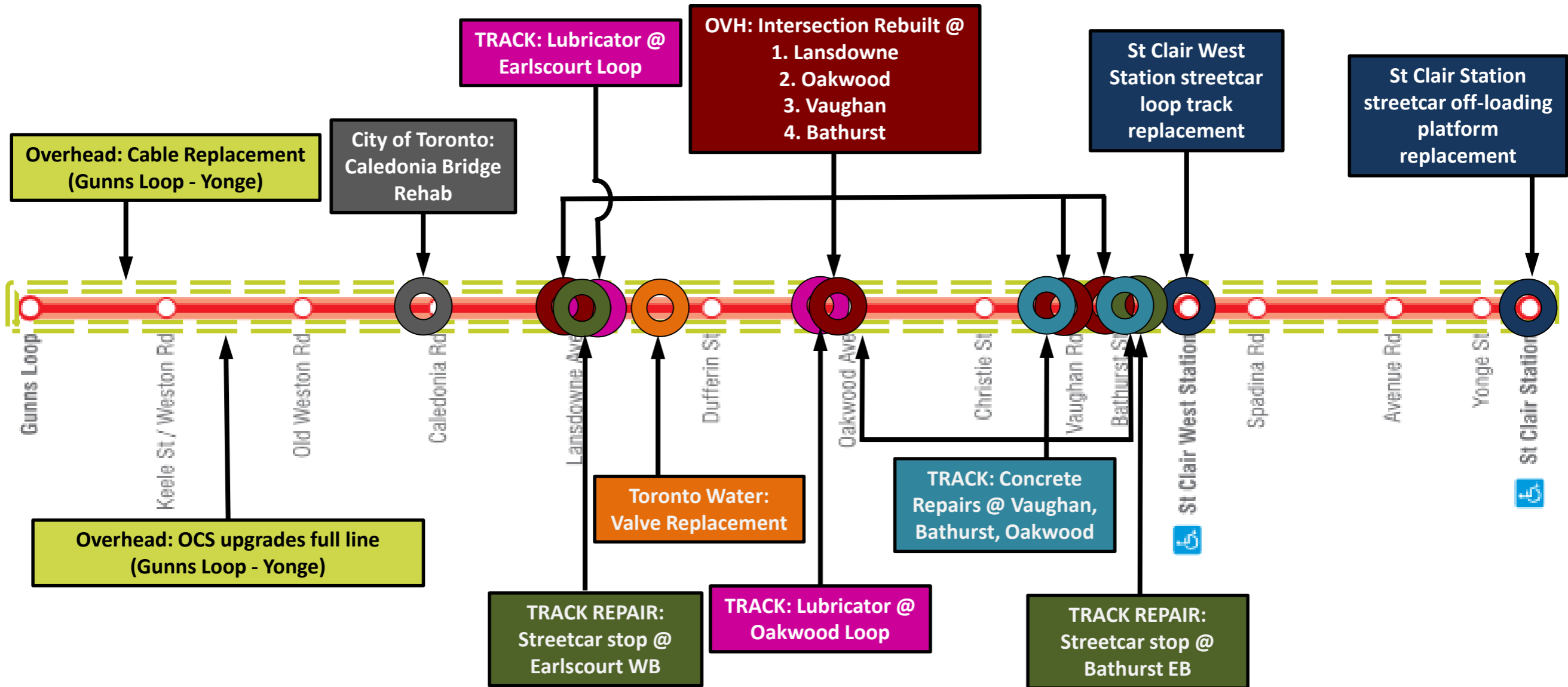


Service Restoration

- **512 St Clair** streetcars will resume between Gunns' Loop and St Clair Station beginning June 23, 2024 and St Clair bus replacement service will be suspended.
- 512 St Clair streetcars will continue to by-pass St Clair West Station in both directions. Customers can transfer to and from Line 1 via St Clair West Station from stops located at Bathurst Street and Tweedsmuir Avenue, located a 5 minute and 2 minute walk away respectively.
- 512 St Clair streetcars will arrive every 10 minutes or better in all time periods. In addition to this change, a new **312 St Clair** night streetcar service will be introduced between 2 a.m. and 5 a.m. and will operate from St Clair Station to Gunns Loop. Streetcars will arrive every 30 minutes. 312 St Clair night streetcars will by-pass St Clair West Station in both directions. As a result of this change, the existing **312 St Clair-Junction** overnight bus will be replaced with a new shortended **340 Junction** overnight bus, operating between Gunns' Loop and Dundas West Station via St Clair Avenue West, Jane Street and Dundas Street West. Buses will arrive every 30 minutes.



512 St. Clair – Site Plan



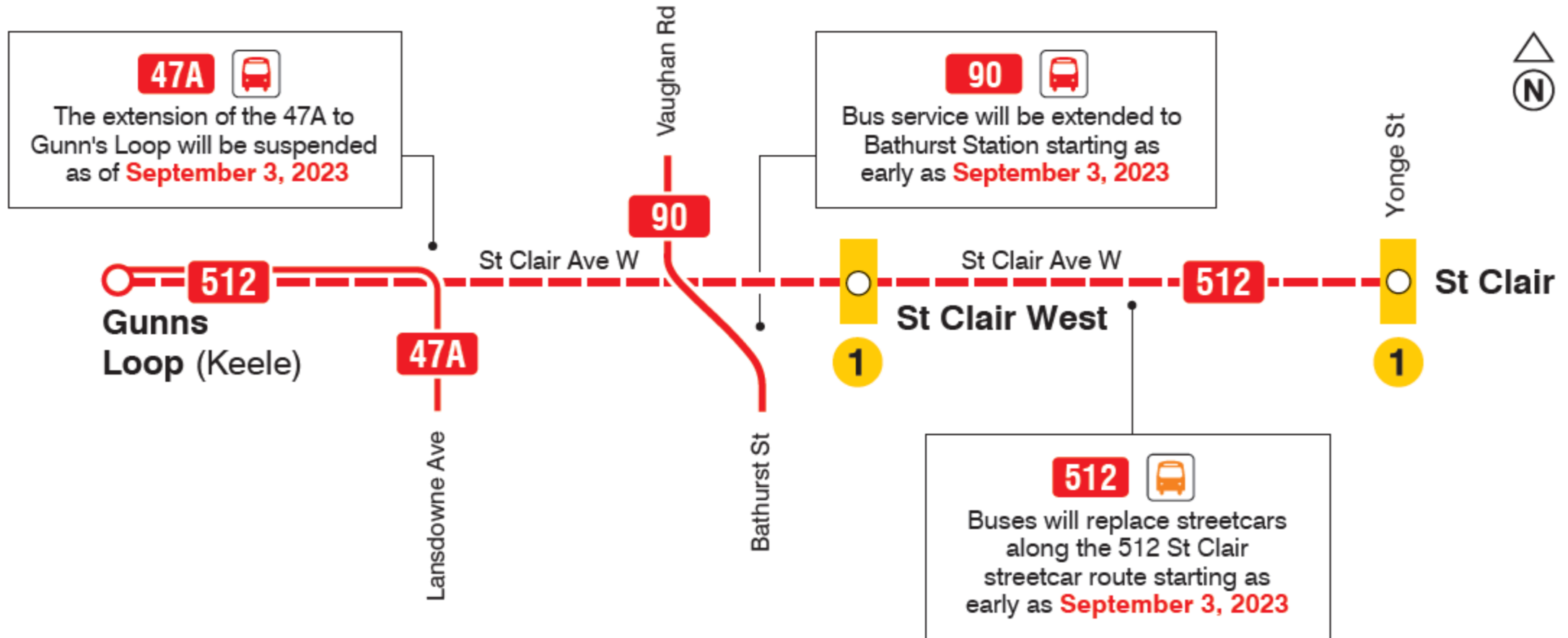
512 replacement bus service

- The service frequency for the 512 streetcar replacement buses is approximately every **3 minutes (peak period)** during construction. 31 buses during peak period scheduled.
- The service frequency for the 512 streetcar replacement buses is approximately every **6-10 minutes (off-peak period)** during construction.



512 St Clair Service Changes (2023-2024)

St Clair Ave. West coordinated projects and transit service changes



For latest information on service changes, please visit [ttc.ca/service-advisories/Service-Changes](https://www.ttc.ca/service-advisories/Service-Changes)



Infrastructure improvements along St Clair Ave. West:

Projects along 512 St Clair route:

- **Third party works (City of Toronto)**
Rail bridge west of Caledonia Rd.
September 2023 - early 2024
- **Streetcar overhead power upgrades**
Gunns Loop to Yonge St.
September 3, 2023 - Winter 2024
- **Third party works (City of Toronto/Metrolinx)**
Rail bridge and GO infill station west of Old Weston Rd.
2024 - 2025 TBD
- **Third party works (Toronto Hydro)**
Bathurst St. to Caledonia Rd.
November 2023 - Q1 2024
- **Third party works (Toronto Water)**
Bathurst St. to Caledonia Rd.
September 6, 2023 – October 2023

St Clair West Station projects:

- **St Clair West Station streetcar loop track replacement**
St Clair West Station
Fall 2023 - Winter 2024
- **St Clair West Station capacity enhancement program (Fire ventilation)**
Cedarvale Park near Heath St. entrance
2026.
No transit impact to 512 route

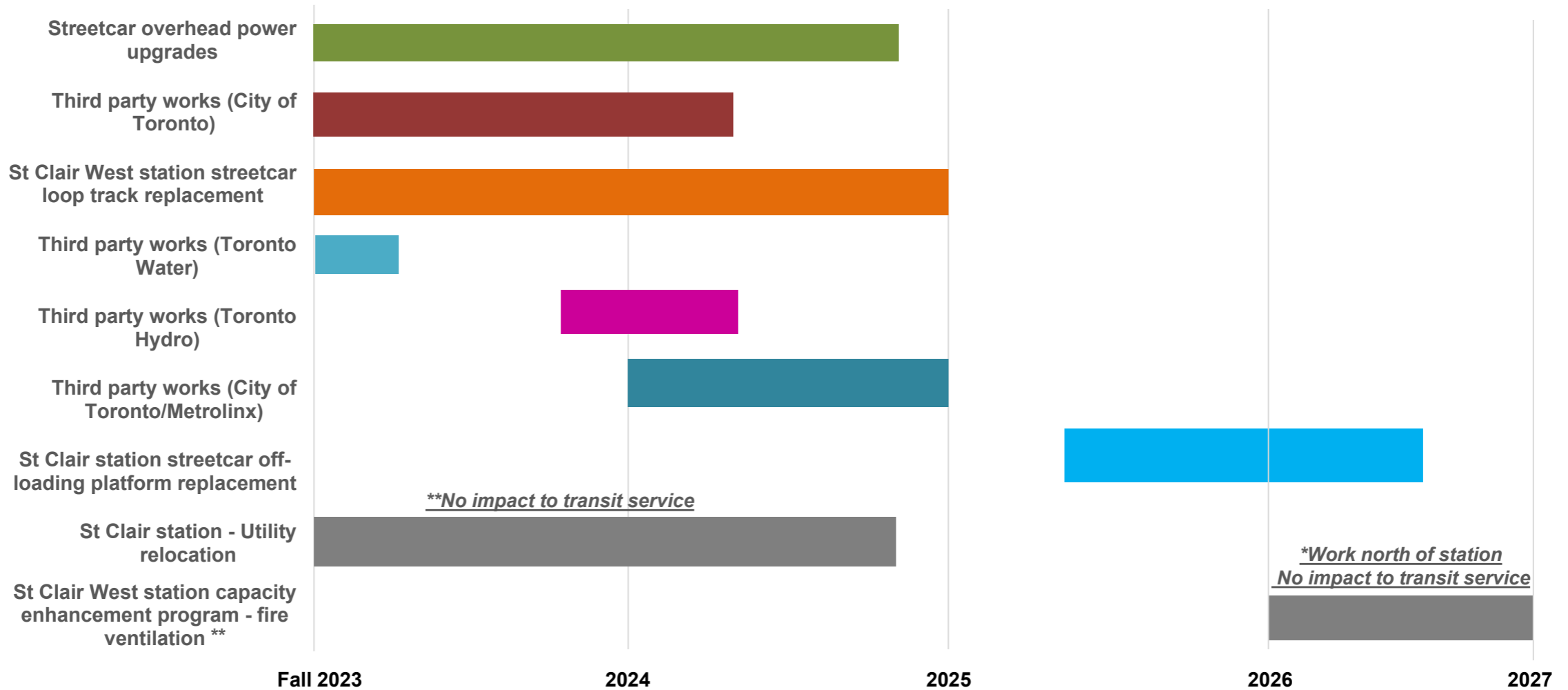
St Clair Station projects:

- **St Clair Station streetcar off-loading platform replacement**
St Clair Station
Summer 2025
- **St. Clair Station - Utility relocation**
St Clair Station
Fall 2023 - Winter 2024
No transit impact to 512 route

**Project details and dates are TBD. Please contact City of Toronto via 311 for questions about any third party works and timelines.*



Timeline* subject to change pending weather and unforeseen events



Progress as of May 2024

Work completed to date:

- Lubricator and streetcar track upgrades at Earls court loop and Oakwood loop.
- Streetcar stop renewal at the Bathurst St. intersection.
- Overhead power upgrades at St. Clair Ave. and Vaughan Rd. intersection.
- Two water valve replacements by Toronto Water at Greenlaw Ave. and permanent restoration of roadway and curbs.
- Upgrades to Gunns Loop streetcar platform to accommodate bus operations.
- Upgraded escalators at the south entrance of St Clair West Station.
- Toronto Water has completed sewer rehabilitation work along St Clair Ave West within the TTC streetcar right of way.
- City of Toronto Caledonia bridge rehabilitation work.
- St Clair West Station Loop – stage 1 a/b.

In progress

- St Clair West Station Loop – full track renewal (stage 2).
- Cable upgrades along the 512 streetcar route.
- Utility upgrade/relocation contract underway at St. Clair station (Yonge Street) to facilitate future station loop upgrades.



Return of 512 St Clair streetcar service

- 512 St Clair streetcar service will return beginning June 23, 2024 and bus replacement service will be suspended.
- The return of streetcar service is dependent on completion of structural and track renewal works inside St Clair West Station. The priority is to return streetcar service for the 512 route before the full loop at St Clair West Station is reconstructed. Once streetcar service is returned, boarding will be on-street before the full project at St Clair West Station is completed by year-end.



St. Clair West Station Loop Renewal – partial completion

SCOPE:

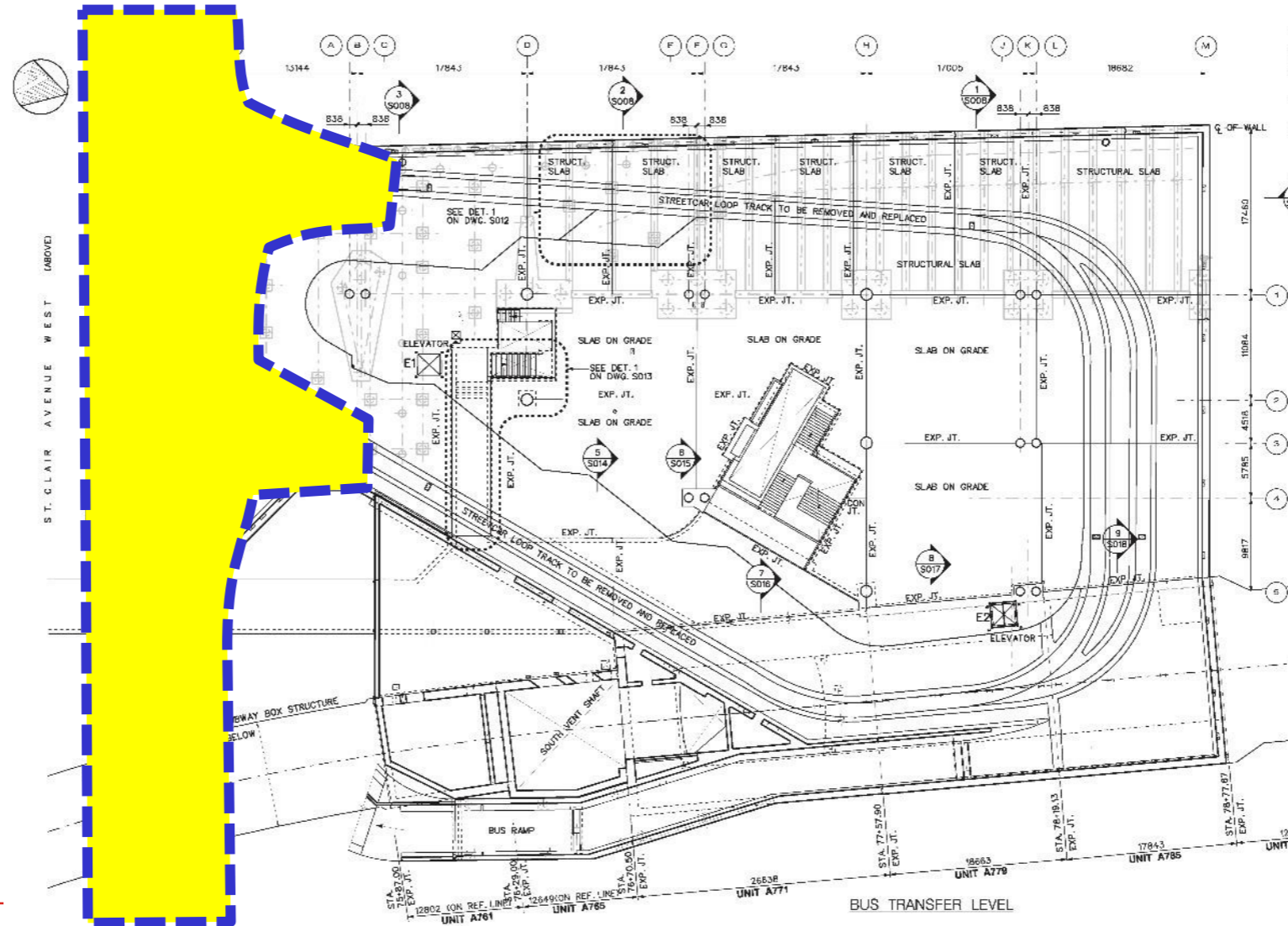
- **14,000 SQ. FT.** TOTAL EXCAVATION AREA
- **3,126 FT.** NEW RAIL/ RAIL REPLACEMENT
- **7 x** NEW TRACK DRAINS
- **4 x** NEW ELECTRIFIED SWITCHES
- **4 x** NEW MANUAL SWITCHES
- **4 x** NEW LUBRICATOR FRAMES
- **16 x** NEW CASTINGS

Note: Structural expansion joint upgrades is a major element of the loop work.



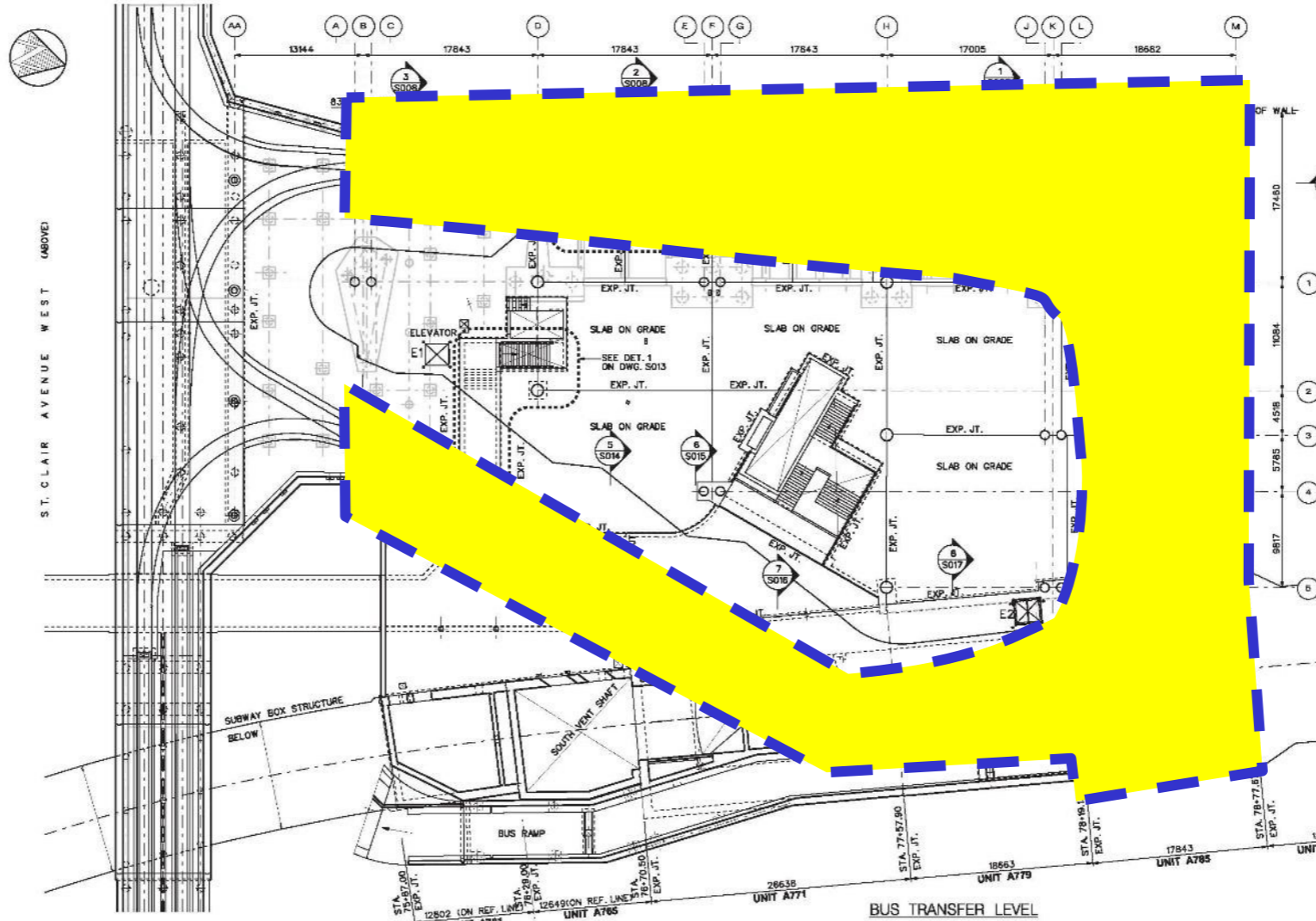
St. Clair West Station Loop Renewal - completed

STAGE 1A & 1B



St. Clair West Station Loop Renewal

STAGE 2

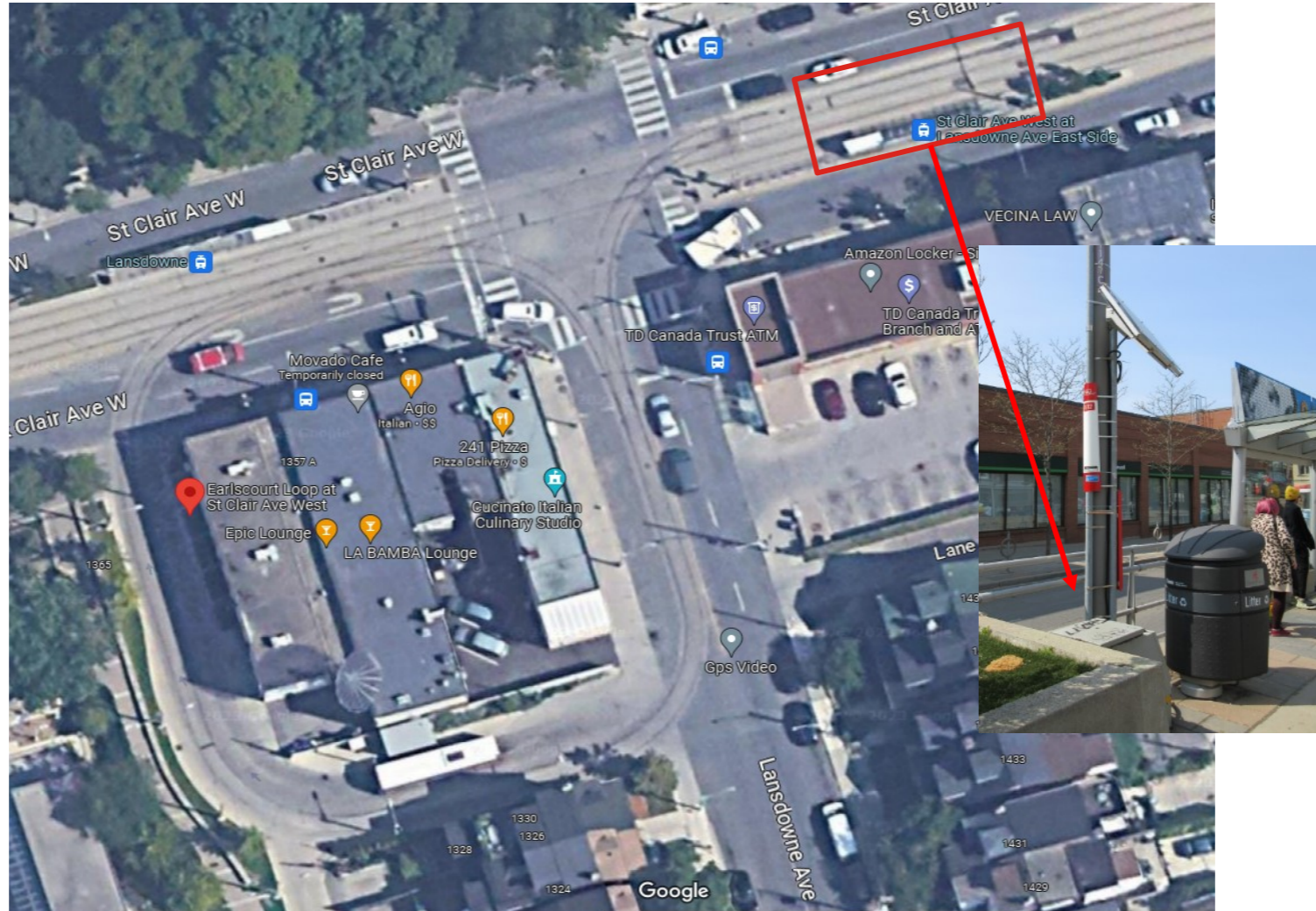


TRACK: Lubricator improvements at Oakwood Loop – completed

This project helped reduce the noise level and will provide a better service to our customers.



TRACK: Lubricator improvements at Earlscourt Loop - completed



TRACK: Streetcar stops at Earlscourt and Bathurst - completed

SCOPE:

Concrete milling and excavation, rail replacement (including final welds) and infill restoration.



WB. East of Earlscourt



EB. East of Bathurst

TRACK: Concrete repair work at various locations - completed

SCOPE:

Repairs to concrete along right-of-way.

- **St. Clair and Vaughan:**
 - 4 bays of track allowance
 - 6 bays of margin
 - some locations required asphalt during temporary joint repair work
- **St. Clair and Bathurst:**
 - 25' margin westbound
- **Oakwood Loop:**
 - 3 bays + 1 bay devil strip (any area on a railway system where there is not enough clearance for someone to stand as a train passes by)
 - 2 bays inside the loop heaved



Repairs and improvements to power infrastructure St Clair Station to Gunns Loop - completed

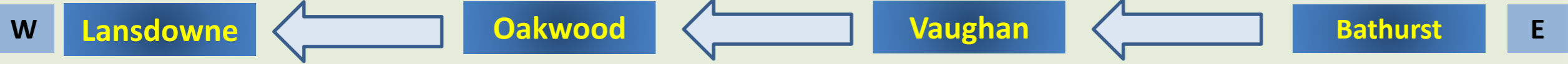
SCOPE:

- Installation and reinforcing of traction power cable to allow additional flexibility
- Work allows for easier/improved service turn backs at streetcar loops
- Repairs to chamber walls and covers
- This is to improve streetcar service reliability in the long-term



Intersection Rebuild Full Pantograph Bathurst to Lansdowne

START



Work will begin from the East and move through to the West.

St Clair and Lansdowne



St Clair and Oakwood



St Clair and Vaughan



St Clair and Bathurst



City of Toronto Bridge Rehabilitation Project Caledonia Park Road - completed

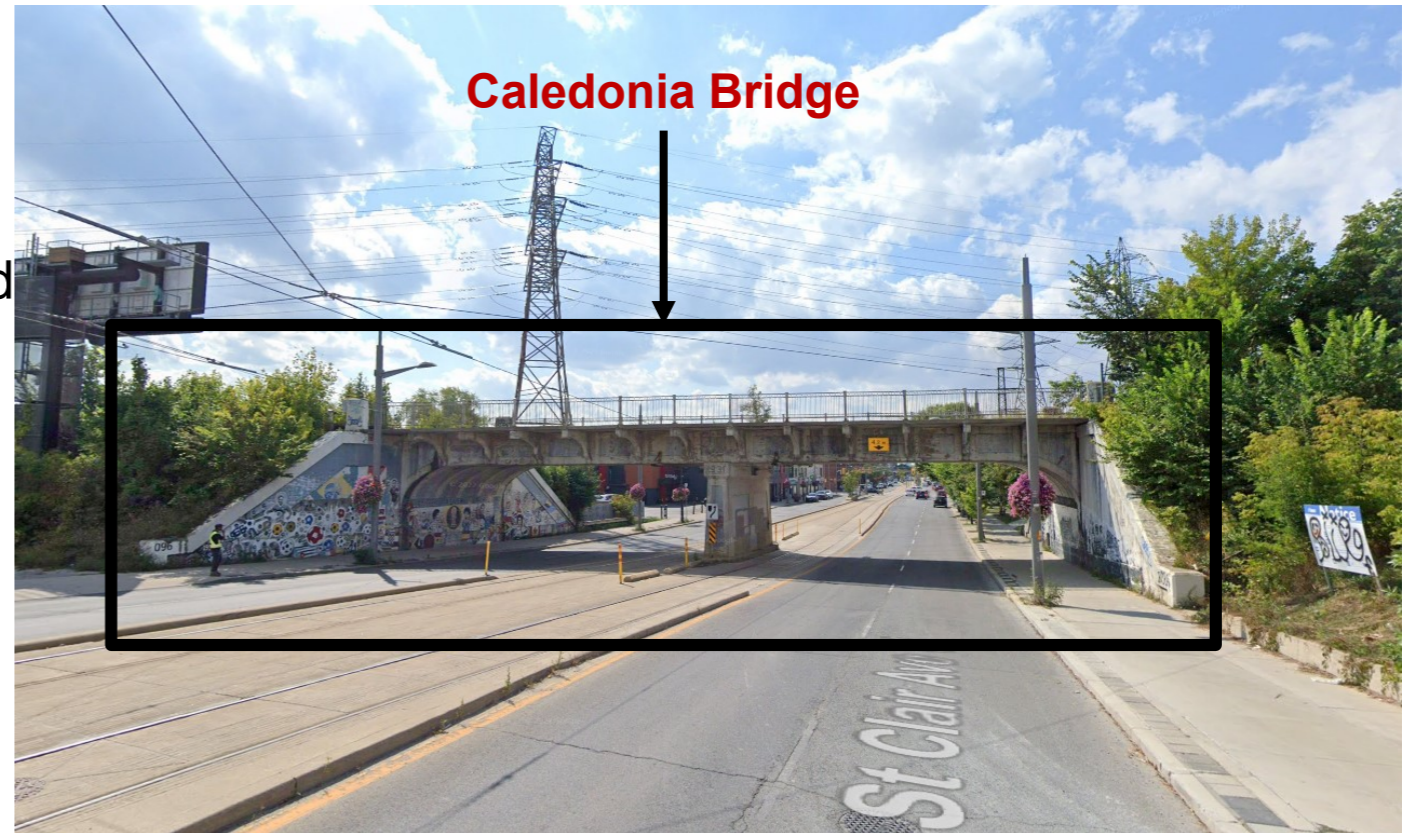
SCOPE:

The City of Toronto is carrying out a major construction project for the construction of the Caledonia bridge and thus, the overhead system has to be removed temporarily.

This is necessary to ensure the safety of people during the construction work and to ensure that the bridge is built to the highest standards.

TIMELINE:

Expected to begin in September 2023



Please contact City of Toronto via 311 for questions about bridge works and timelines.

Toronto Water Emergency Valve Replacements at Greenlaw Ave. - completed

SCOPE:

Two water main valves are broken (off position), and need to be replaced. They are located in TTC track margin. In order to excavate wide enough for valve install, part of the westbound TTC track base and track need to be removed. The excavation depth is around 2 meters. *Track reconstruction (by SCI Track) will be required due to excavation activities.*

Removal of OCS for this work could limit ability to upgrade Self-Tensioners

ROUGH TIMELINE:

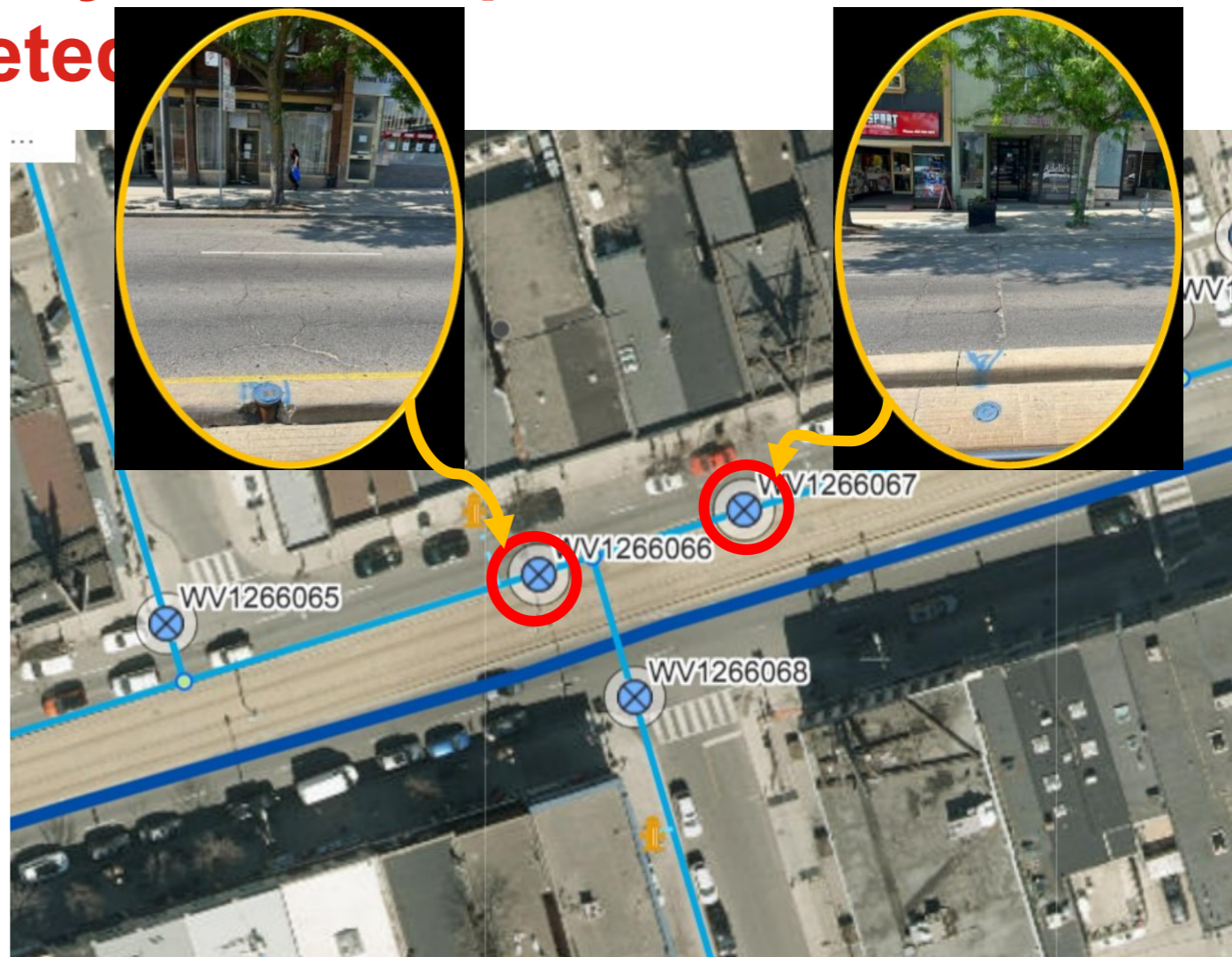
2 to 3 weeks.

Start date – September 6

HOURS OF WORK:

Monday to Friday- 7:00 a.m. to 7:00 p.m.

Note that work may extend past 7:00 p.m. in special circumstances.



Please contact City of Toronto via 311 for questions about this work and timelines.

Overhead work at St Clair loop - completed



Overhead work at St Clair and Bathurst - completed

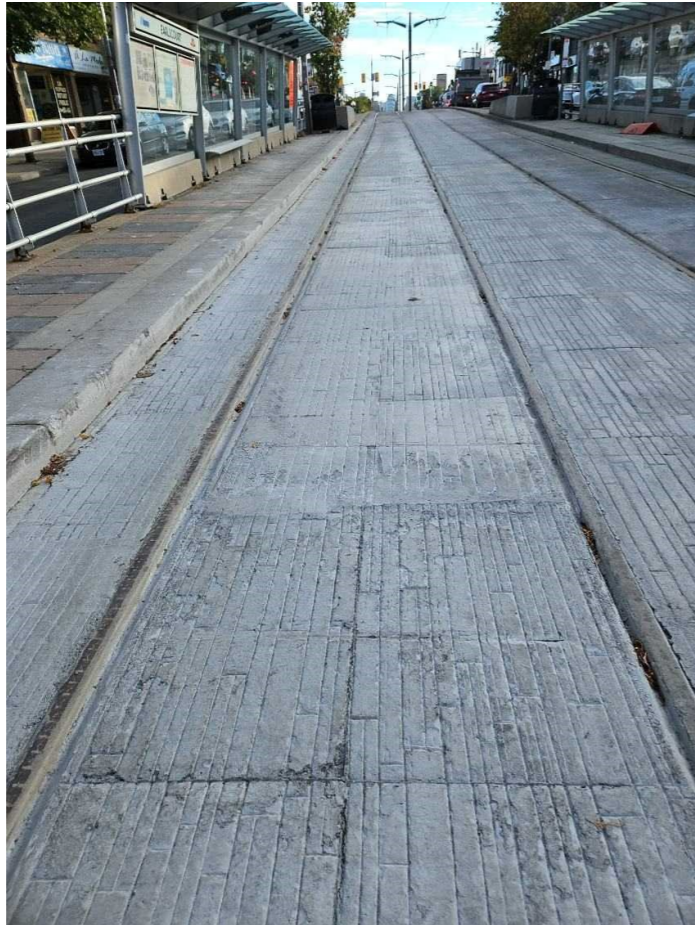


Overhead work at St Clair/ Oakwood & Robina loop - completed



| Car stop work at Earlscourt - completed

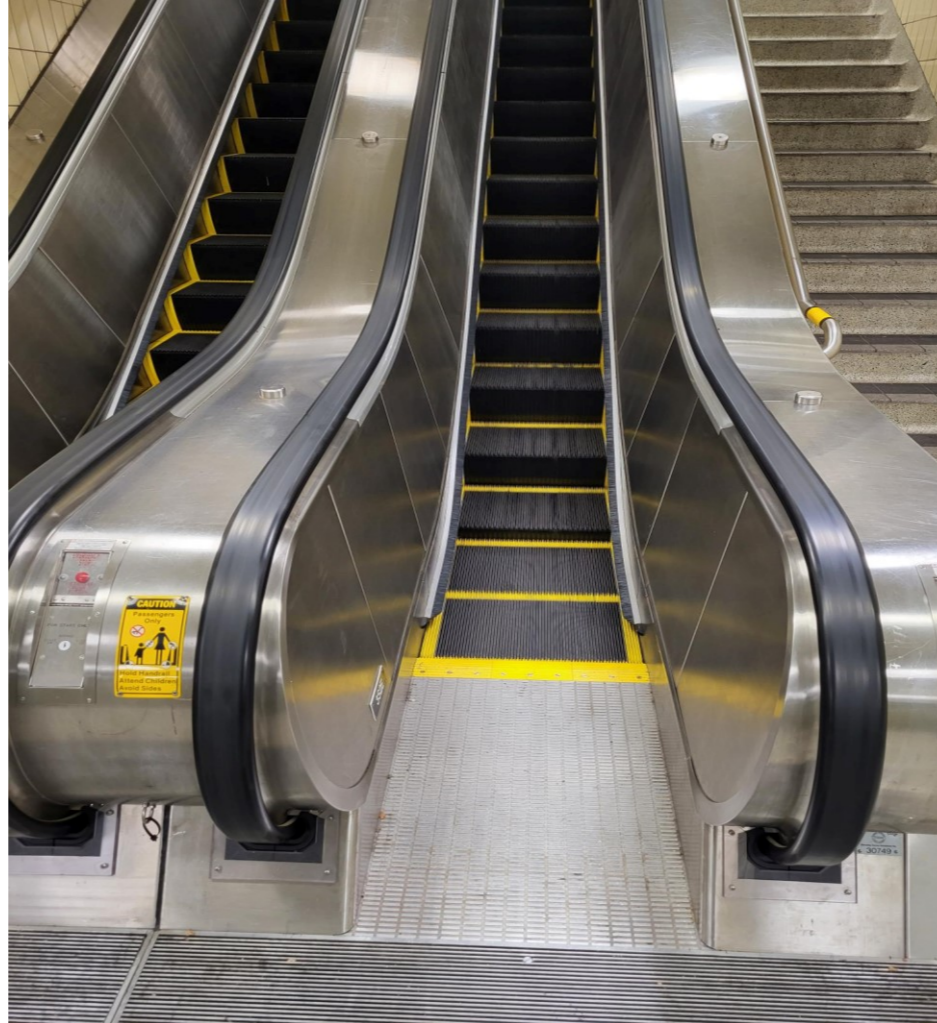
Replaced the rail at the Earlscourt streetcar stop as it approached the end of its lifecycle and was due for an upgrade.



Cable replacement work along St Clair Ave West from St Clair Station to Gunns loop



Escalator at South Entrance of St Clair West Station - back in service and fully operational



City of Toronto Caledonia bridge rehabilitation work - completed



Local BIAs, businesses & CaféTO

- CafeTO patios remained in place until the end of the 2023 CafeTO season.
- Access to paid parking lots along St. Clair Avenue continued to remain available in 2023.
- No impact to CafeTO patios along St. Clair Avenue is expected for 2024.
- Parking restrictions changes on St. Clair Avenue around Dufferin Avenue will be restored summer 2024.



Changes to keep transit and traffic moving

To keep transit and traffic moving as best as possible during construction, rush hour parking restrictions were extended with City Council approval at key pinch points along the corridor. Measures to help facilitate better flow of transit and vehicular traffic on St Clair Ave West were:

- 30 metre “no standing zones” installed at all 512 St Clair bus stop locations. This facilitates intended pick-up in curb lanes while traffic continues past.
- TTC is staging construction at St Clair West Station to complete the east-west track renewal first. This will be done to return streetcar service between St Clair West Station and Lansdowne as soon as possible.
- With support of Councillor Matlow and Councillor Bravo, City Council passed a Motion to extend rush hour parking restrictions on segments of St. Clair Avenue West. On-street signage has been adjusted by the City to match approved by-law changes.



State of good repair – St Clair Ave.

- State of good repair work for tracks, overhead power, City of Toronto & Utility assets are required to ensure safety, continue operations as well as to improve streetcar service reliability in the long-term.
- Maintenance for infrastructure along the route is expected to occur from time to time as various assets come to their end of life (and assets reach their maintenance or end of life milestones at different times - wear and tear can also speed up these timelines and is not always predictable)
- Every effort to coordinate various asset maintenance updates along the route and any associated transit changes will be made to minimize overall impact to residents and transit users.
- **Upcoming works: St Clair Station streetcar off-loading platform replacement** is scheduled to begin in summer 2025 and will result in transit service changes. TTC will keep the community informed about any changes in advance, once details are confirmed.



Communications

- Updates posted on project: [website](https://www.ttc.ca/about-the-ttc/projects-and-plans/512-St-Clair-state-of-good-repair-projects-and-third-party-works).
<https://www.ttc.ca/about-the-ttc/projects-and-plans/512-St-Clair-state-of-good-repair-projects-and-third-party-works>
- Contact:
Sr. Community Liaison: Gurjeet Kaur
Phone: 437-551-4407
Email: gurjeet.kaur@ttc.ca



