



St Clair Infrastructure Improvements Overview of Projects

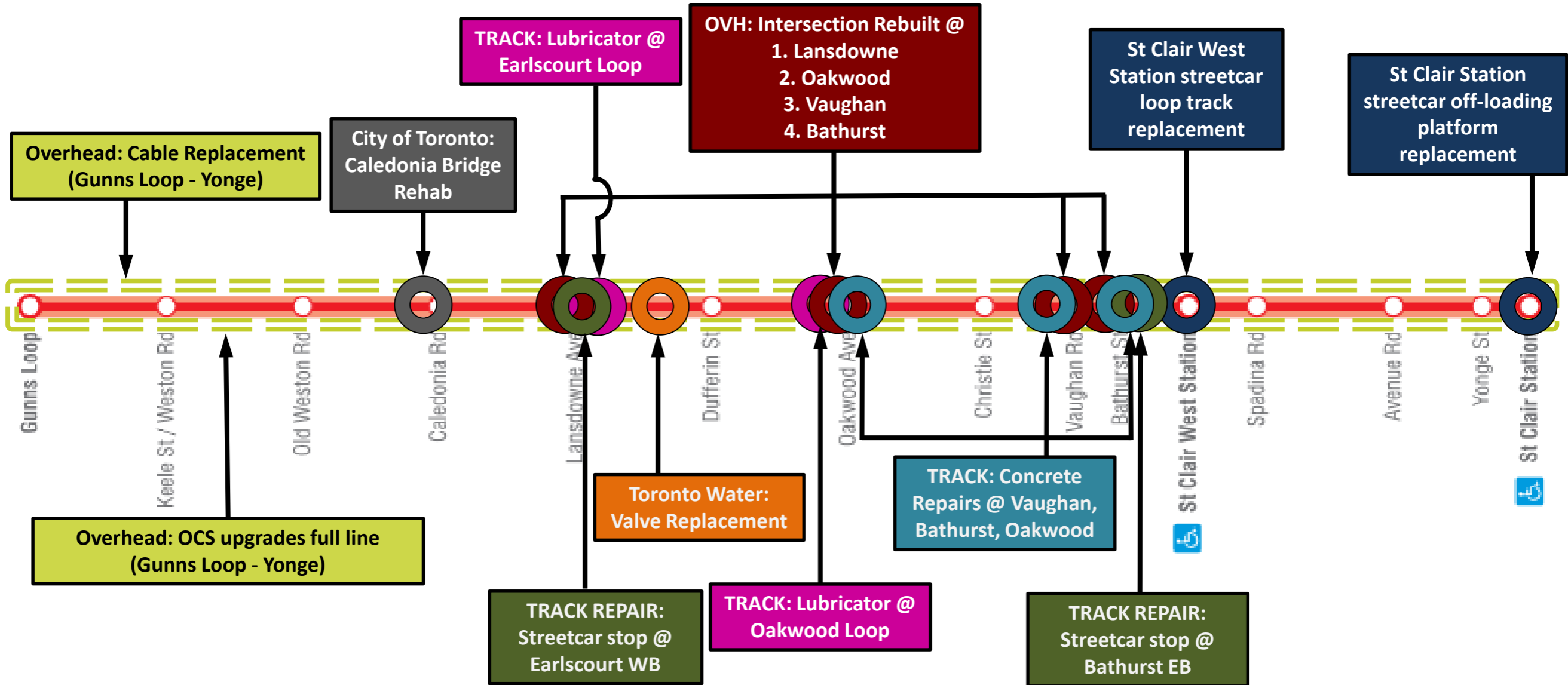
August 24, 2023

Overview

- Coordinating key state of good repair (SOGR) and station improvement projects to improve streetcar service reliability 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).



512 St Clair – Site Plan



Communications tactics – 47A Lansdowne

Tactics	Go-live date
Pole cards along the entire route along St Clair and Lansdowne (impacted routes)	Up as of May
Social media	May
Website	May
E-Alerts to route and station subscribers	May
Platform Video Screen (PVS) Content (Line 1 and 2)	May
PA announcement in stations	May
Gateway screens where applicable	May
Presentation deck and notification to three local Councillors and six BIAs	May 25, 2023



Communications tactics - 512 St Clair

Tactics	Dates
Presentation deck and notification to three local Councillors and six BIAs	May 25, 2023
Reminder email and notice to three local Councillors and six BIAs	August
Construction notice mail out to 42,125 properties along the 512 streetcar route	August 25-30
Updates - Website	August-Sept
Wayfinding signage along the route and at streetcar/bus stops	Week of August 28
Digital and print ads	Week of August 28
Customer ambassadors at Gunns Loop, St Clair West, St Clair at Yonge during the first week of the change.	September
Supervisors at St Clair West/St Clair at Yonge to manage bus traffic	September
Announcements on vehicles	September
Pole cards at all affected stops	Post Week of August 28, repost as required
Project posters	Post Week of August 28, repost as required

August 25, 2023



Signage Samples

Temporary route change

Streetcars replaced with buses

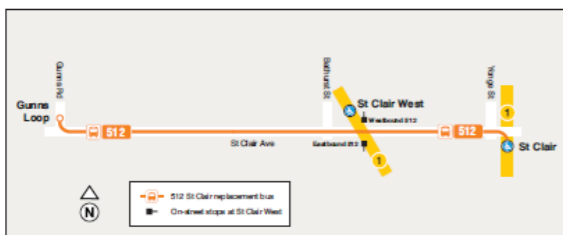
512 St Clair

Effective September 3, 2023 until summer 2024

Streetcar service will be replaced with buses on the full route, to accommodate multiple construction projects.

Buses will arrive every few minutes, serving curbside stops.

At St Clair Station, buses will board on the upper-level streetcar loop.



For more information, call 416-393-4636 or visit ttc.ca



Temporary route change

Buses will divert to Bathurst Station

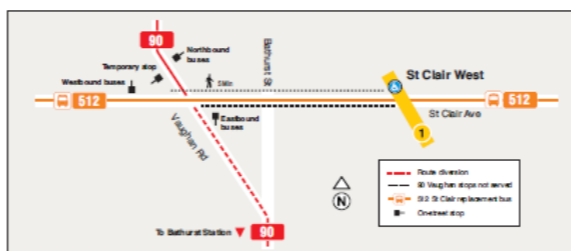
90 Vaughan

Effective September 3, 2023 until summer 2024

90 Vaughan will divert both ways to Bathurst Station, via Vaughan Road and Bathurst Street, due to track renewal.

To access Line 1 at St Clair West Station, southbound customers can use a temporary stop on Vaughan Road, north of St Clair Avenue, and walk approximately 5 minutes, or transfer to eastbound 512 St Clair replacement buses.

The northbound 90 Vaughan stop is on Vaughan Road, north of St Clair Avenue.



For more information, call 416-393-4636 or visit ttc.ca



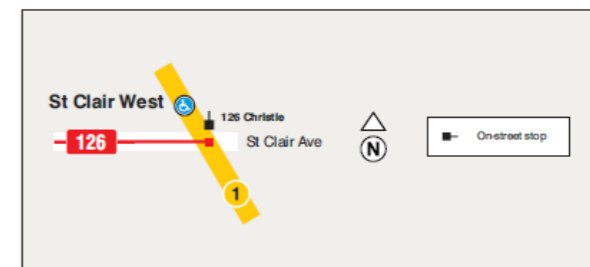
Temporary route change

Buses will not enter St Clair West Station

126 Christie

Effective September 3, 2023 until summer 2024

126 Christie will board on the north side of St Clair Avenue outside of the station, due to track renewal.



For more information, call 416-393-4636 or visit ttc.ca



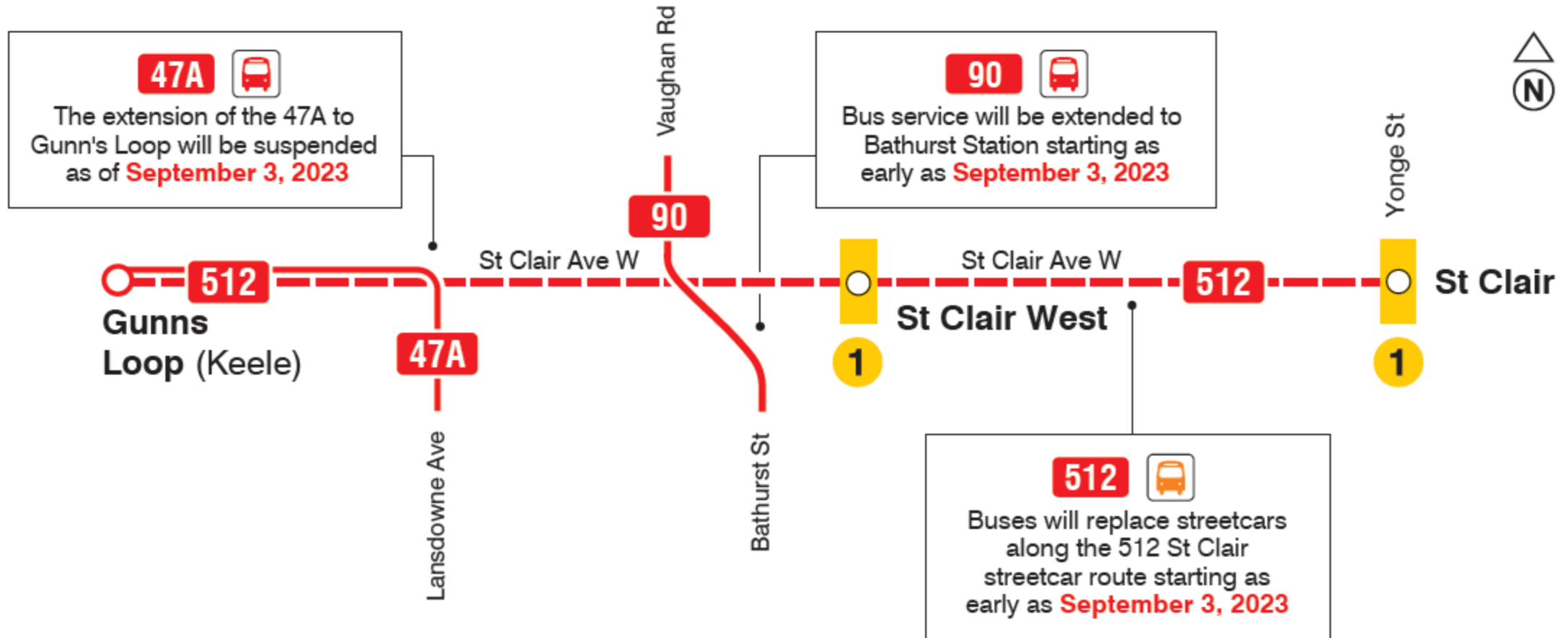
512 replacement bus service

- The service frequency for the 512 streetcar replacement buses will be approximately every **3 minutes (peak period)** during construction. 31 buses during peak period scheduled.
- The service frequency for the 512 streetcar replacement buses will be 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 - Summer 2024
- **St Clair West Station capacity enhancement program (Fire ventilation)**
Cedarvale Park near Heath St. entrance
2026.
No transit impact to 512 route

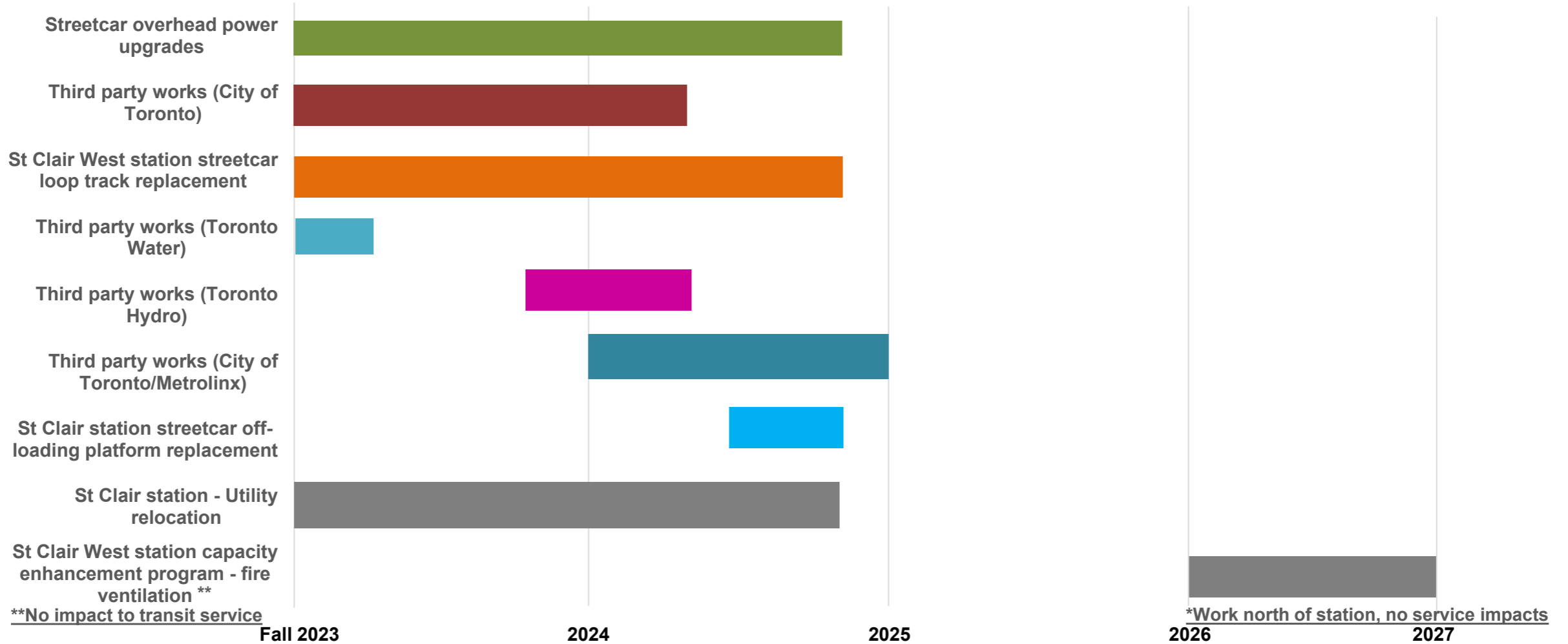
St Clair Station projects:

- **St Clair Station streetcar off-loading platform replacement**
St Clair Station
Fall 2024
- **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



St Clair West Station Loop – Renewal

SCOPE:

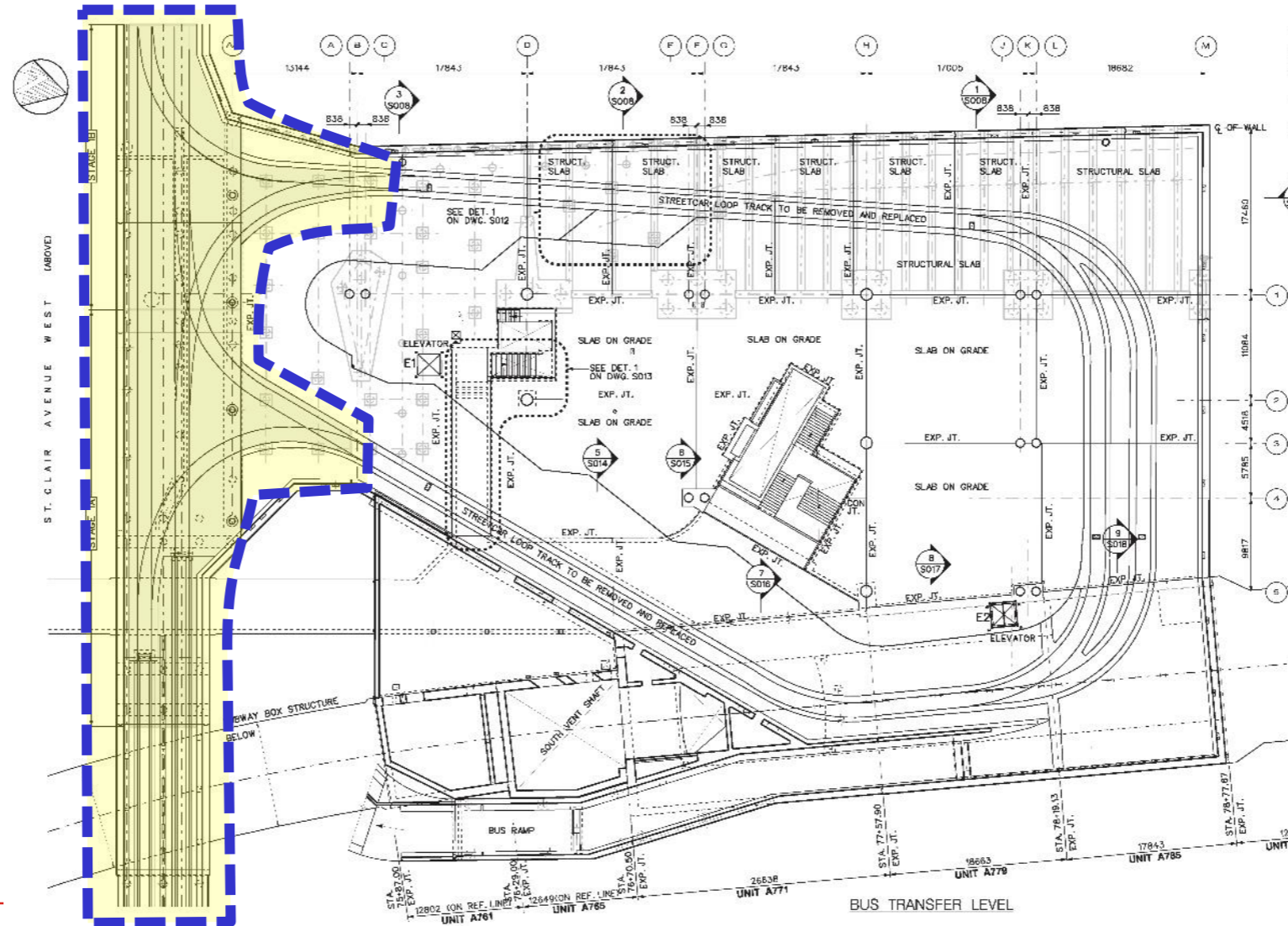
- **14,000 SQ. FT.** TOTAL EXCAVATION AREA
- **3,126 FT.** NEW RAIL/ RAIL REPLACEMENT
- **7 x** NEW TRACK DRAINS
- **4 x** NEW ELECTRIFIED SWITCHES
- **4 x** NEW MANUAL SWITCHES
- **4 x** NEW LUBRICATOR FRAMES
- **16 x** NEW CASTINGS

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



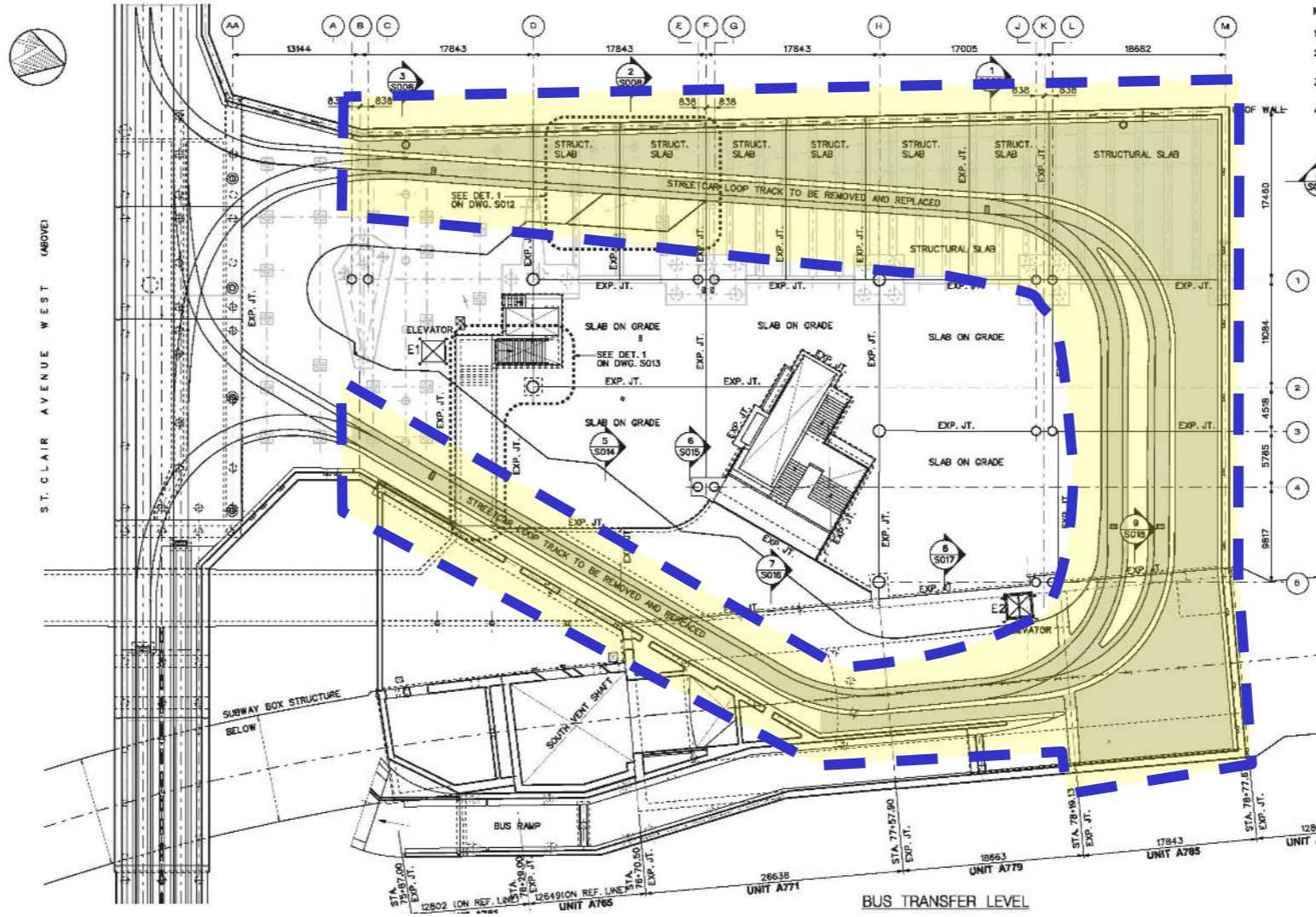
St Clair West Station Loop – Renewal

STAGE 1A & 1B



St Clair West Station Loop – Renewal

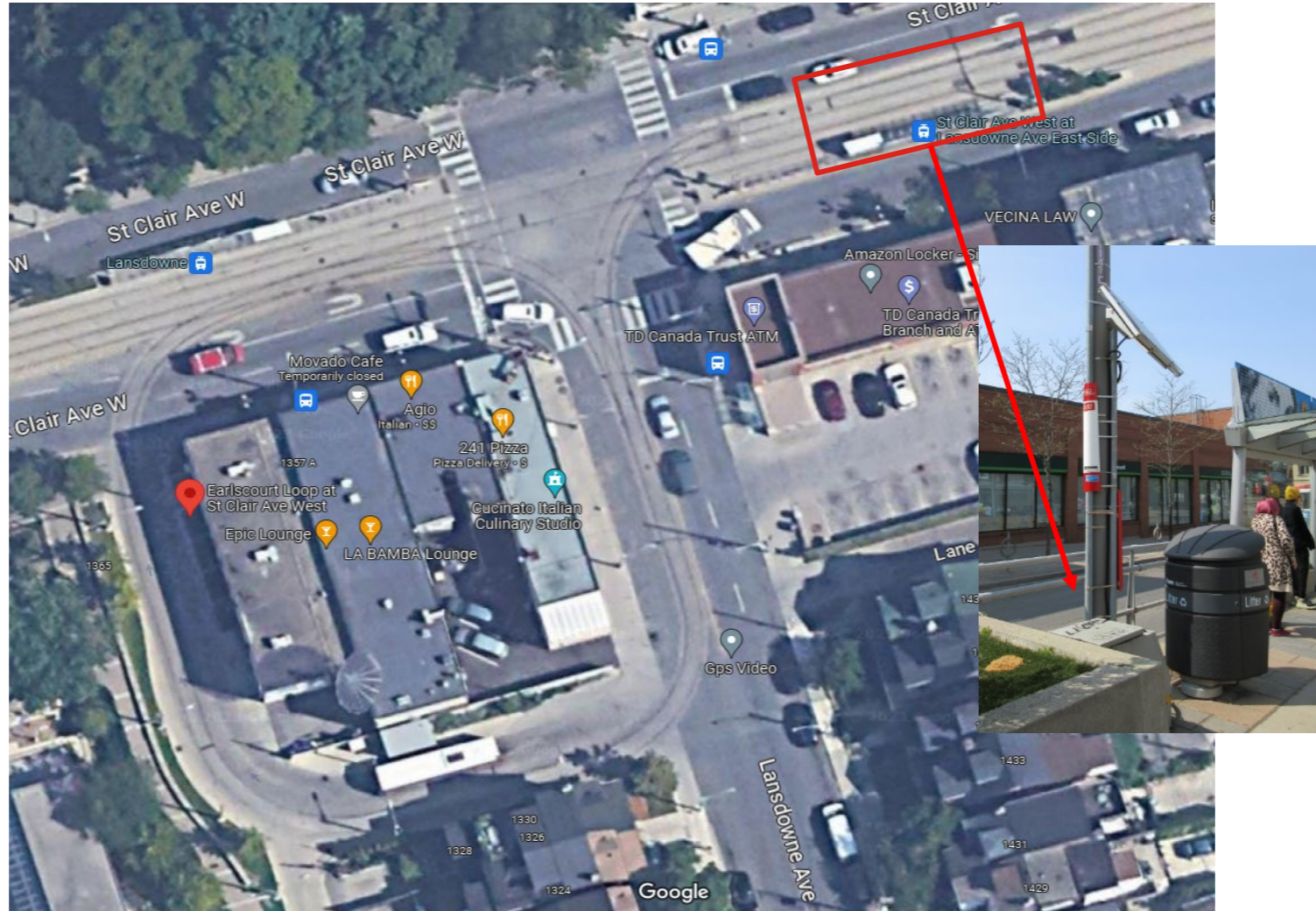
STAGE 2



TRACK: Lubricator improvements OAKWOOD LOOP



TRACK: Lubricator improvements EARLSCOURT LOOP



TRACK: Streetcar stops EARLSCOURT & BATHURST

SCOPE:

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



WB. East of Earls Court



EB. East of Bathurst

TRACK: Concrete Repair Work VARIOUS LOCATIONS

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 WB
- **Oakwood Loop:**
 - 3 bays + 1 bay devil strip
 - 2 bays inside the loop heaved



Repairs and improvements to power infrastructure St CLAIR STATION TO GUNNS LOOP

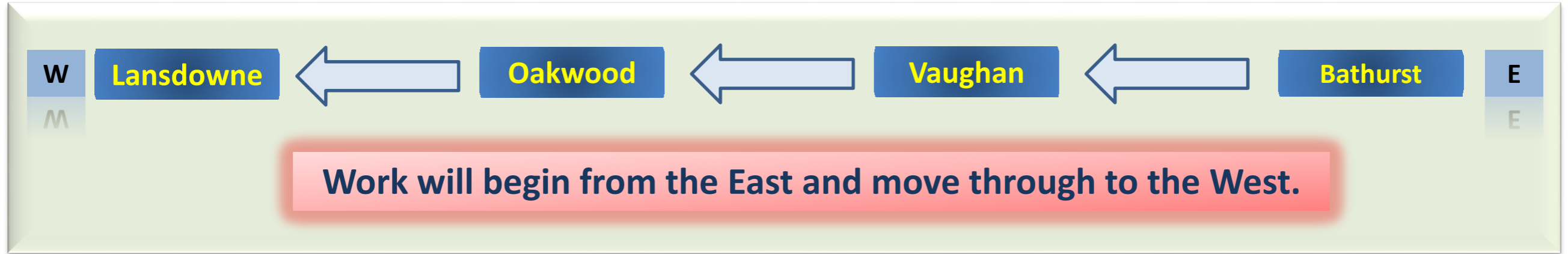
SCOPE:

- 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



Intersection Rebuild - Full Pantograph BATHURST TO LANSDOWNE

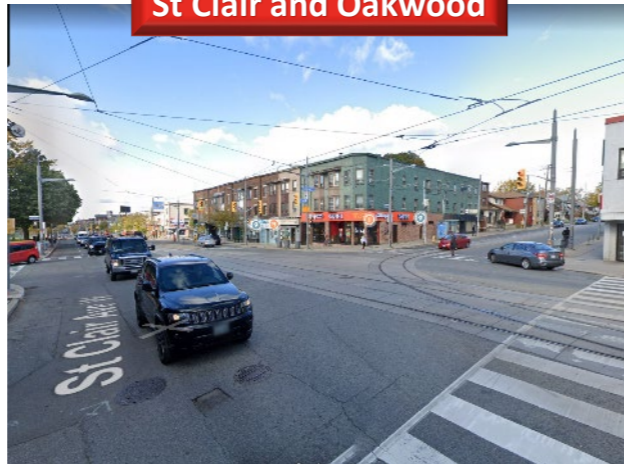
START



St Clair and Lansdownne



St Clair and Oakwood



St Clair and Vaughan



St Clair and Bathurst



City of Toronto Bridge Rehabilitation Project CALEDONIA PARK ROAD

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 GREENLAW AVE.

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:

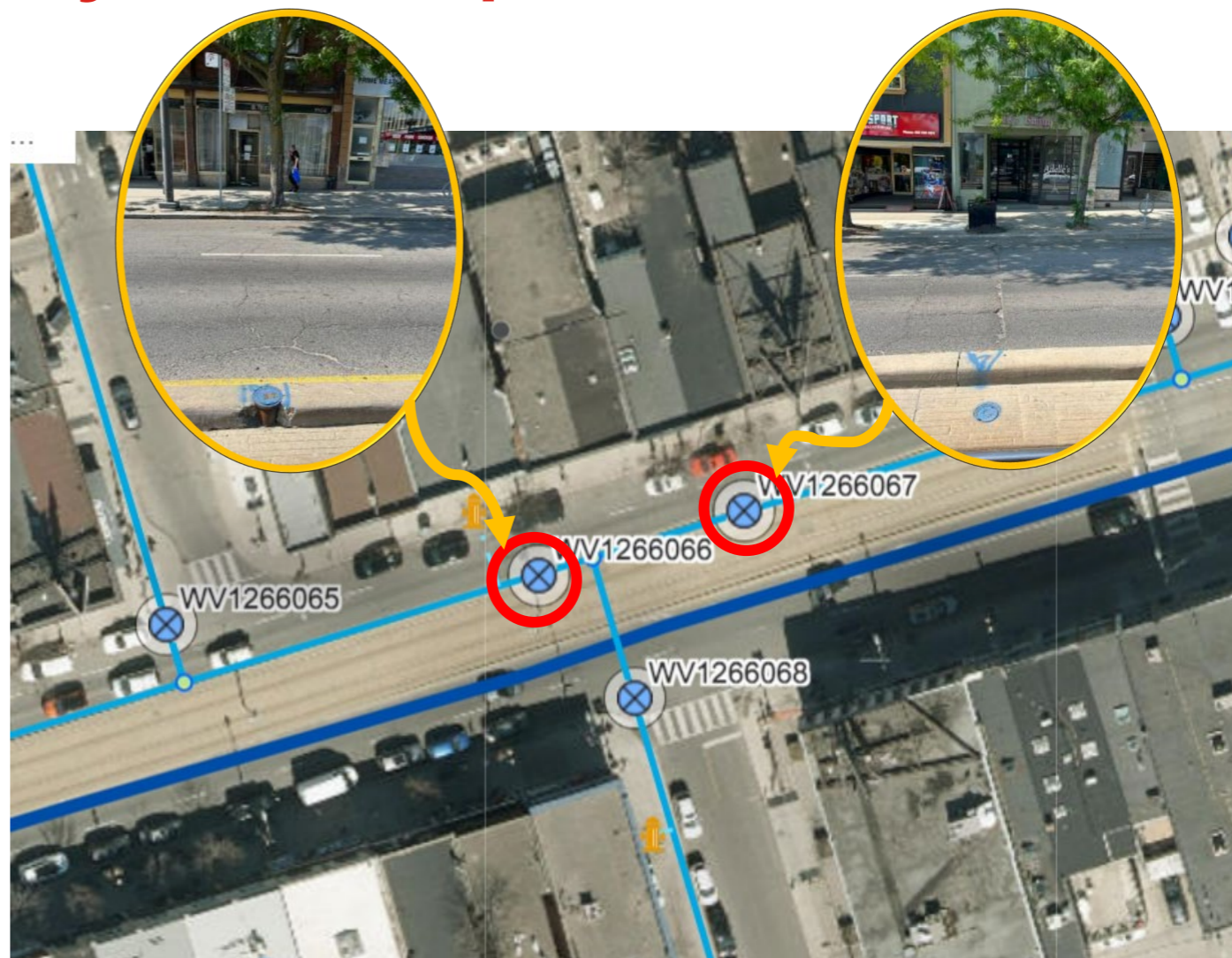
2 to 3 weeks.

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.

| Local BIAs, businesses & CaféTO

- CafeTO patios remain in place until the end of the 2023 CafeTO season.
- Access to paid parking lots along St Clair Avenue will remain available.
- Updates will be provided during station construction.



Changes to keep transit and traffic moving

- TTC will review the bus service and coordinate with City Transportation and TPA to remove parking in pinch points identified following the CafeTO season.
- Signal modifications will be made along the St Clair corridor to improve transit and traffic flow.
- Modifications made to facilitate bus use of the centre ROW where feasible following completion of overhead work.



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
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