

# King Street West Watermain Replacement & TTC Streetcar Track Renewal Dufferin Street to Shaw Street



Virtual Public Information Event  
February 15, 2024

# Land Acknowledgment

We acknowledge the land we are meeting on is the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Huron-Wendat peoples and is now home to many diverse First Nations, Inuit and Métis peoples. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.

# Overview

Starting in February 2024, the City of Toronto and TTC will begin construction work along King Street West between Dufferin Street and Shaw Street. Construction is expected to take ten months to complete.

The work involves:

- replacing the 146-year-old watermain
- replacing the streetcar tracks

Future watermain replacement and streetcar track replacement on other sections of King Street West is planned in 2025 and 2026.

# Project Timeline

**February to end of July 2024**

Phase 1

Watermain replacement  
Dufferin St. to Shaw St.

**Late June to late July 2024 (5 weeks)**

Phase 3

Streetcar track renewal at Dufferin St./King  
St. intersection

**September to October 2024**

Phase 5

Streetcar track renewal  
Atlantic Ave. to Shaw St.

**May to June 2024**

Phase 2

Streetcar track renewal  
Dufferin St. to Fraser Ave.

**August to September 2024**

Phase 4

Streetcar track renewal Fraser Ave.  
to Atlantic Ave.

**October to December  
2024**

Restoration and  
Overhead work

\* Schedule is subject to weather conditions

# Watermain Replacement

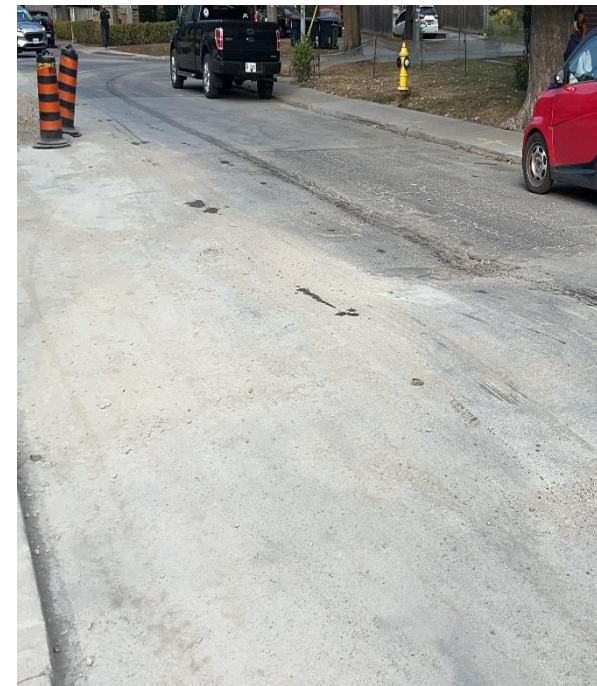
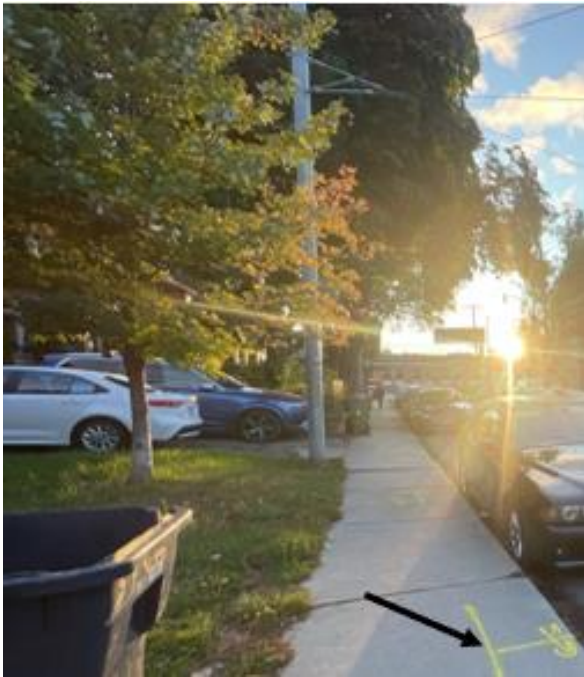
The contractor will replace the watermain and City-owned portion of substandard water services.

1. Locate underground utilities (gas, electric)

2. Dig a trench.

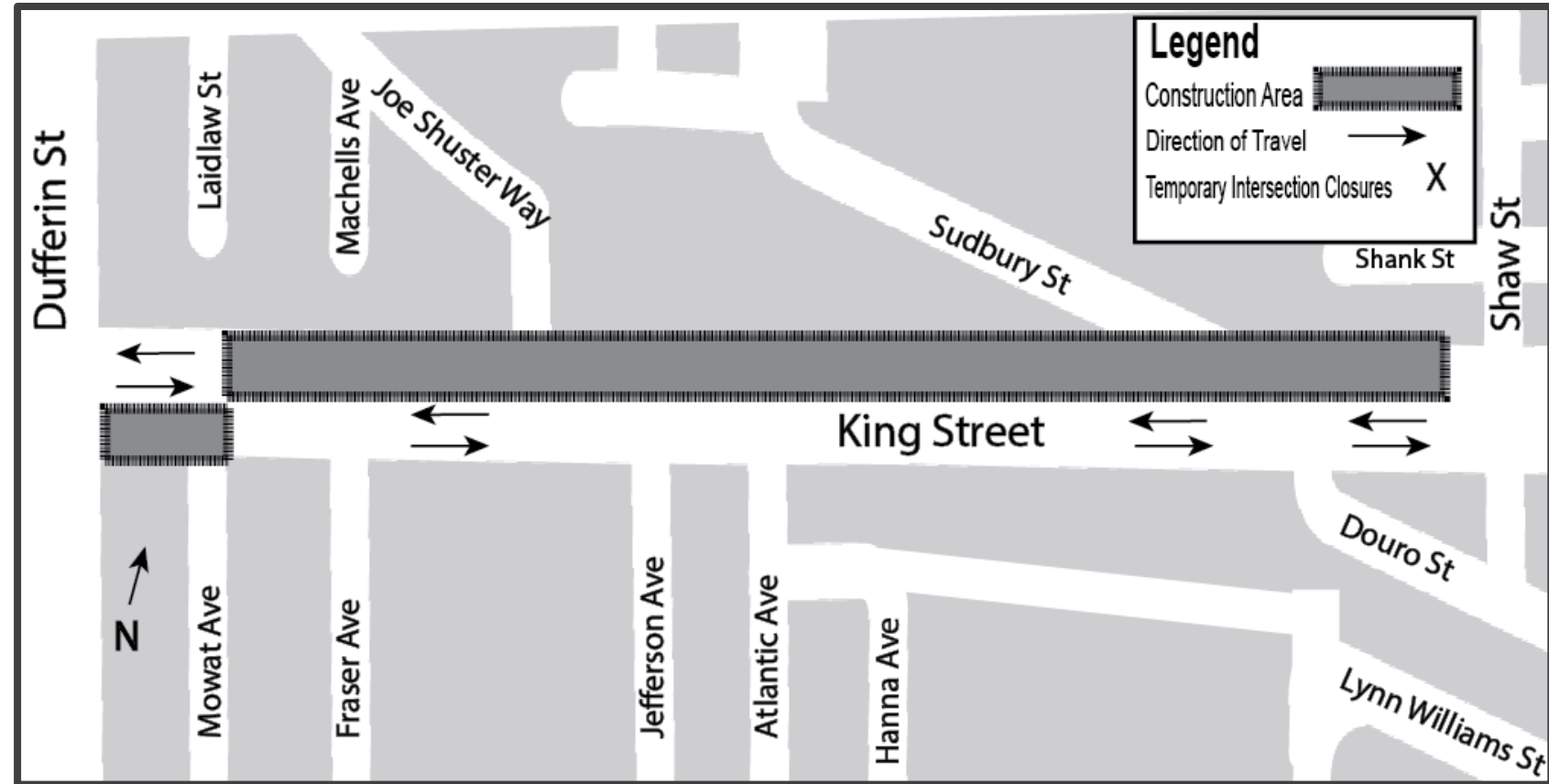
3. Remove and install new watermain. Replace City-owned water service pipes.

4. Restore the watermain trench



# Phase 1: Watermain Work - Dufferin St. to Shaw St.

- Mid-February 2024 to end of July 2024
- Crews will replace the watermain that runs east-west on King St. West between Dufferin St. and Shaw St.
- The work zone will be rolling, with three crews.
- One travel lane will be maintained in each direction.
- Temporary closures of sidewalks may be required. Pedestrian detours and signage will be in place. Access to businesses and properties will be maintained.



# Streetcar Track Replacement

The contractor will remove and replace the rails and concrete layer of the streetcar tracks.

Steps include:

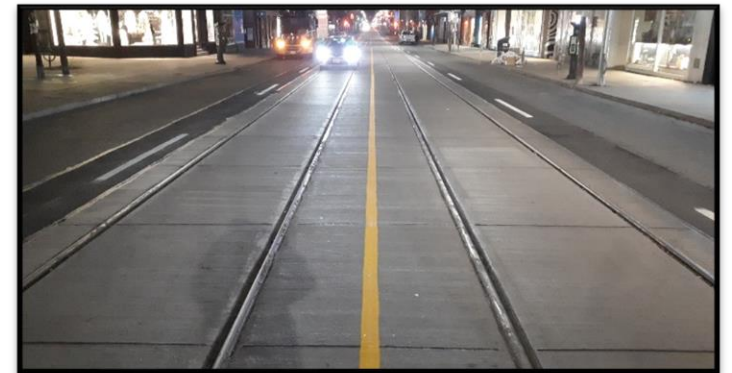
1. Cutting and removing old concrete and rails



2. Pouring new concrete track and installing new rails

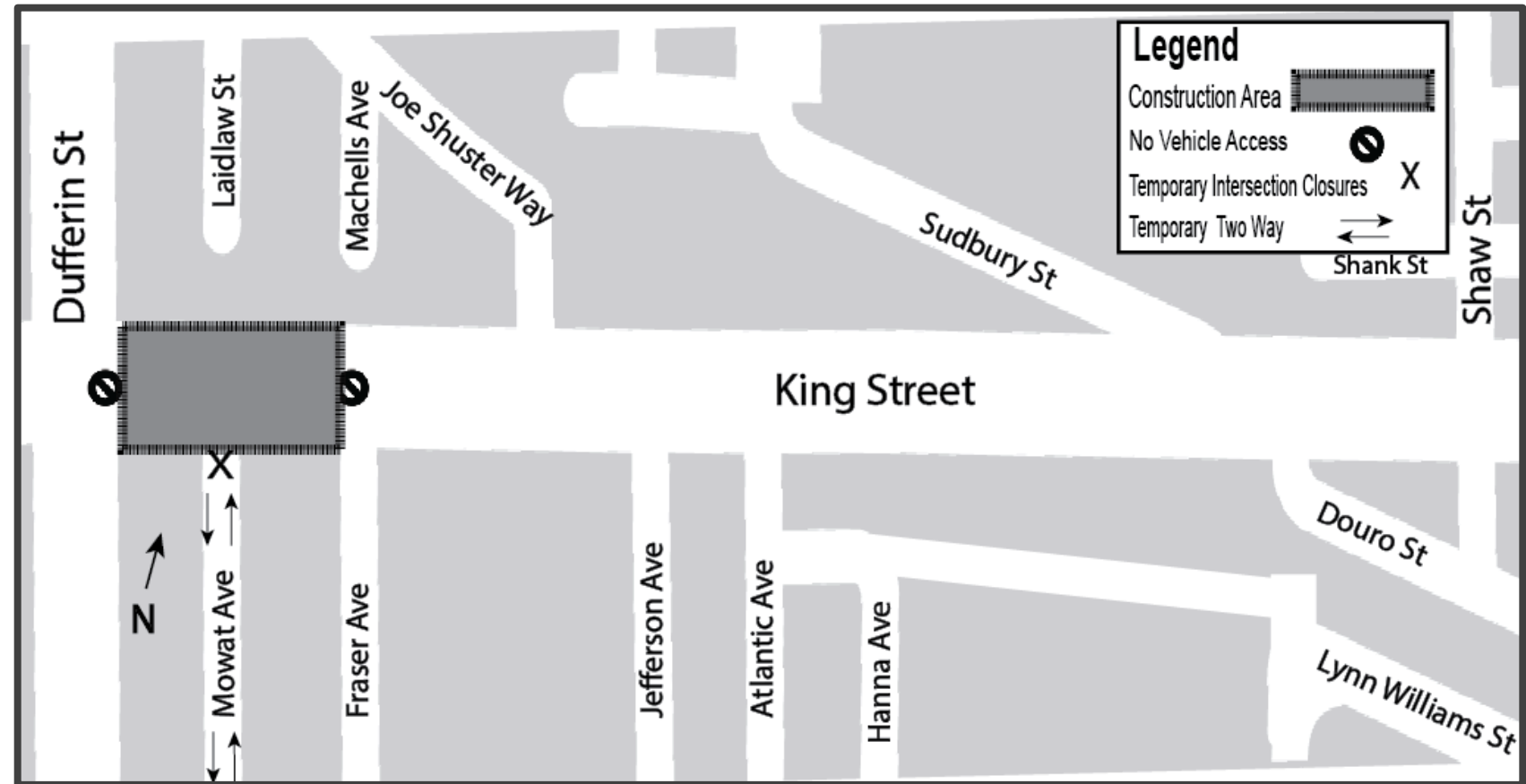


3. Restoring and re-opening the road to vehicles



# Phase 2: Track Replacement - Dufferin St. to Fraser Ave.

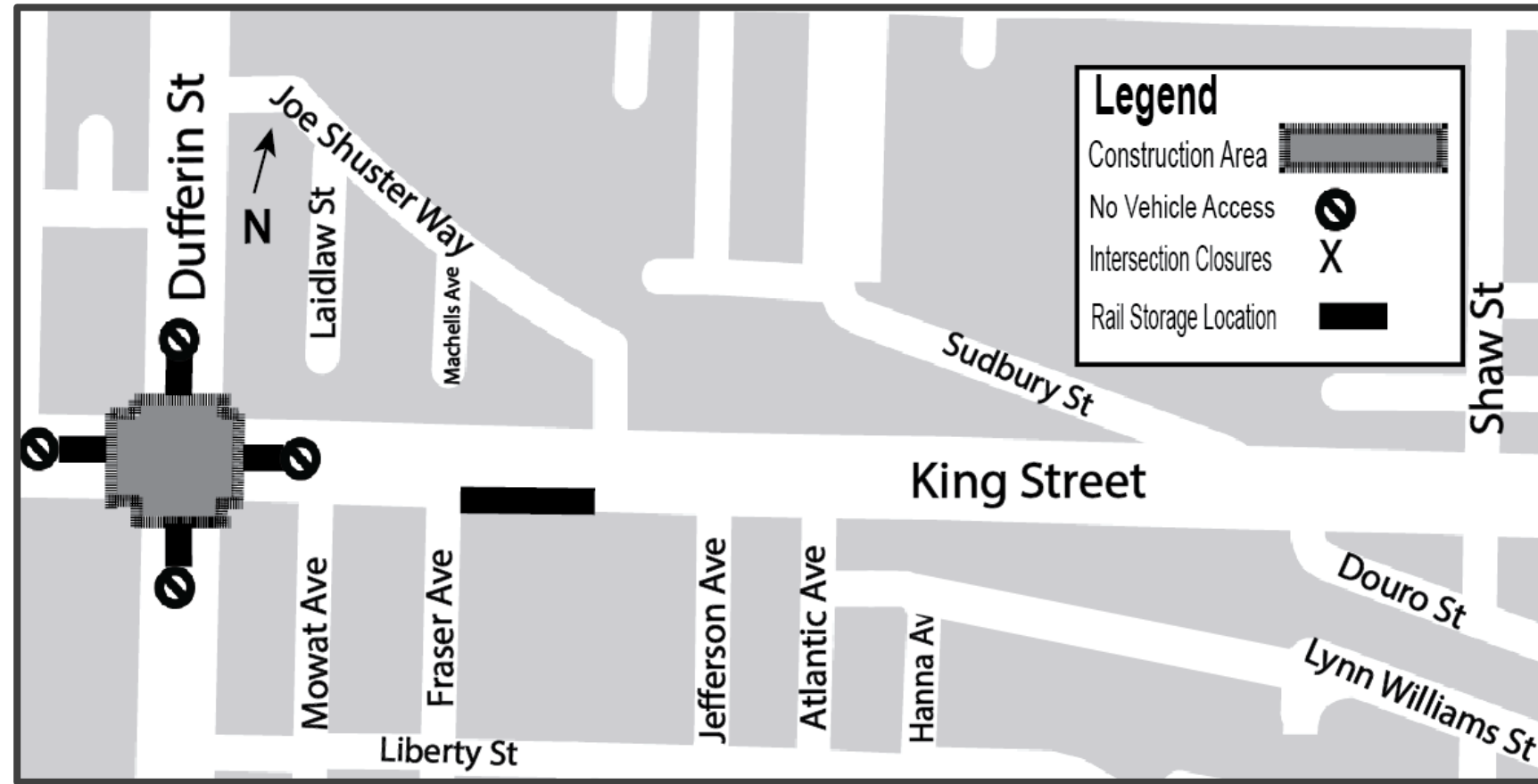
- May to June 2024
- TTC streetcar track will be replaced on King St. West between Dufferin St. and Fraser Ave.
- Full road closure to all vehicles through the work zone
- Temporary intersection closure and two-way access on Mowat Ave.
- Access to sidewalks maintained





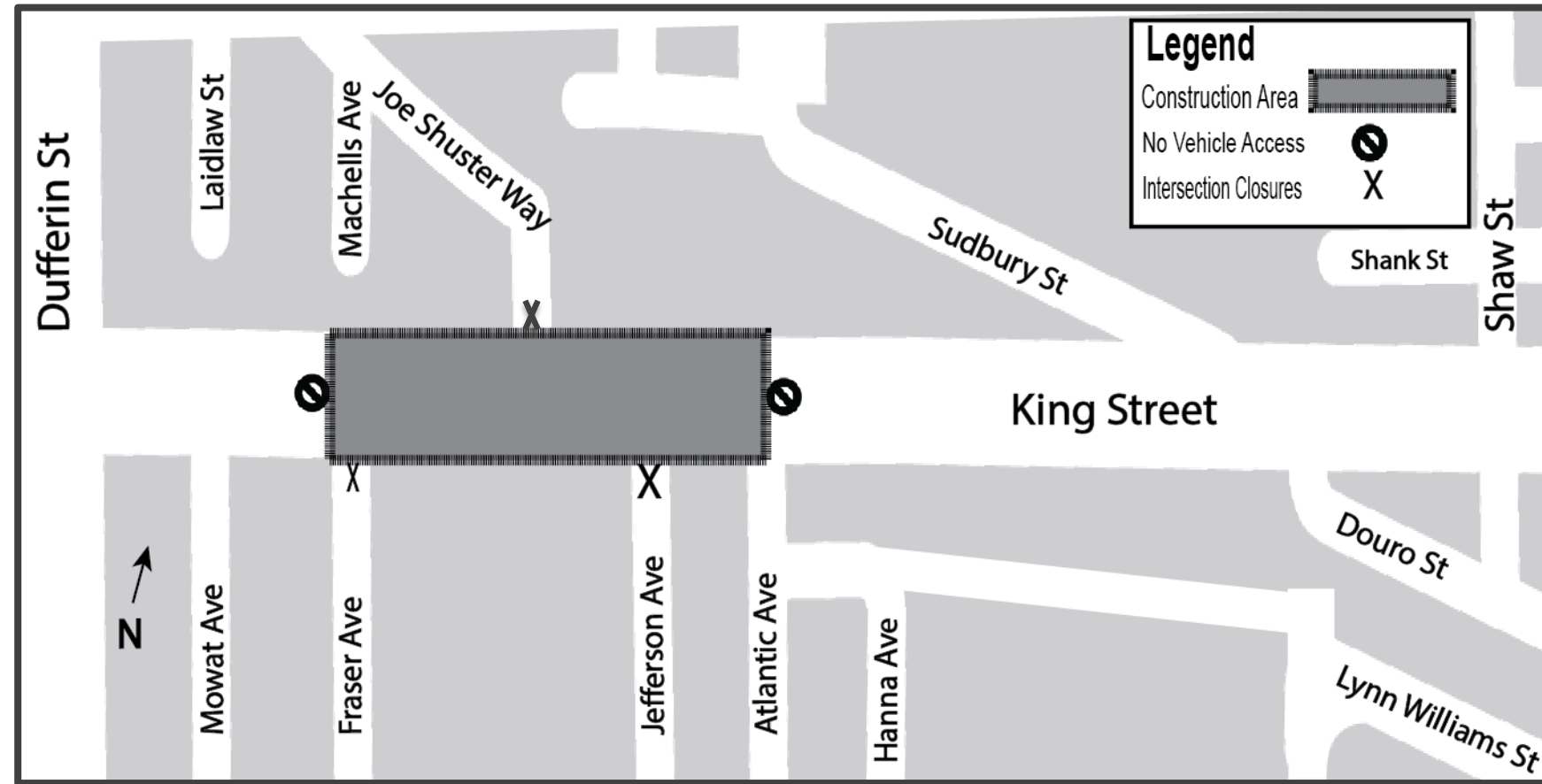
# Phase 3: Track Replacement at King St. West and Dufferin St.

- Late June to late July 2024
- TTC streetcar track will be replaced at the intersection of King St. West and Dufferin St.
- Full intersection closure to all vehicles.
- Access to sidewalks maintained
- Rail storage east of Fraser Ave.



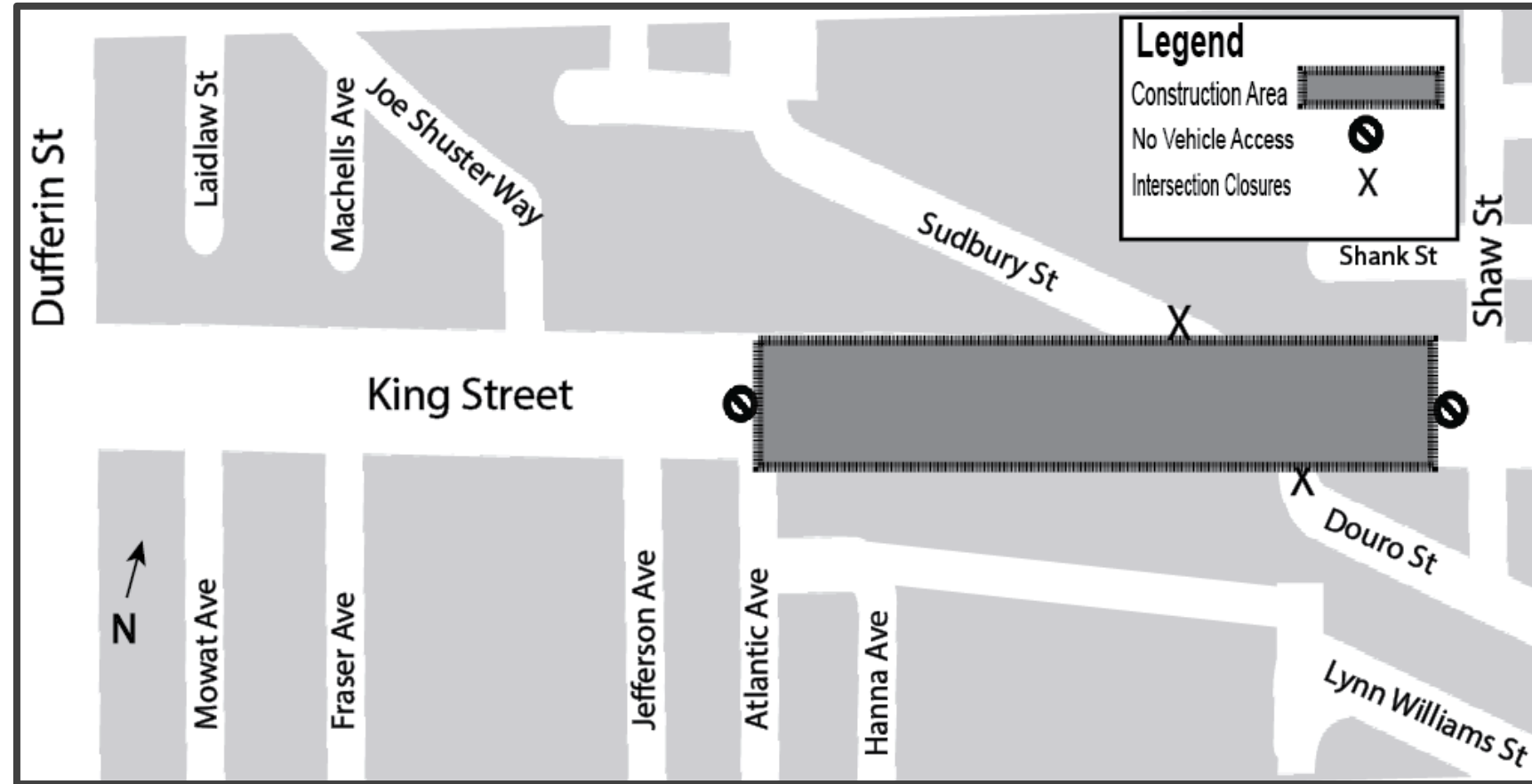
# Phase 4: Track Replacement - Fraser Ave. to Atlantic Ave.

- August to September 2024
- TTC streetcar track will be replaced on King St. West between Fraser Ave. and Atlantic Ave.
- Full road closure to all vehicles through the work zone
- Temporary intersection closures at Fraser Ave., Jefferson Ave. and Joe Shuster Way
- Access to sidewalks maintained







# Phase 5: Track Replacement - Atlantic Ave. to Shaw St.




- September to October 2024
- TTC streetcar track will be replaced on King St. West between Atlantic Ave. and Shaw St.
- Full road closure to all vehicles through the work zone
- Temporary intersection closures at Sudbury St. and at Douro St.
- Access to sidewalks maintained



# Construction Impacts

	<b>Pedestrians</b> <ul style="list-style-type: none"><li>• No crossing within the active work zone. Signs will be installed directing pedestrians where to cross.</li></ul>
	<b>Deliveries</b> <ul style="list-style-type: none"><li>• Alternate location arrangements should be made – i.e. nearest intersecting street, or public lane.</li></ul>
	<b>Parking</b> <ul style="list-style-type: none"><li>• No parking within the work zones</li><li>• No on-street parking within 'Road Closed' signs</li></ul>
	<b>Access to businesses</b> <ul style="list-style-type: none"><li>• Signage will be installed along construction fencing advising the public that businesses remain open during construction.</li></ul>

# Construction Impacts

	<p><b>Work hours and excavation</b></p> <ul style="list-style-type: none"><li>• Watermain work will take place between 7 a.m. and 7 p.m., Monday to Friday, with late work or weekend work when needed.</li><li>• Track replacement work (Phases 2-5) will take place at all hours, 7 days per week.</li><li>• Excavation and heavy breaking will occur at various times throughout the day. Concrete milling and breaking activity will occur mainly between 7 a.m. and 11 p.m.</li></ul>
	<p><b>Waste collection</b></p> <ul style="list-style-type: none"><li>• Please follow your normal routine. If required, the contractor will move bins to an appropriate location and return them. Please ensure that you label your bins with your address.</li></ul>
	<p><b>Vibration and dust</b></p> <ul style="list-style-type: none"><li>• On-site vibration monitoring will be in place.</li><li>• The contractor will take necessary steps to reduce dust caused by construction (concrete wetting).</li></ul>

# Rail Welding and Storage

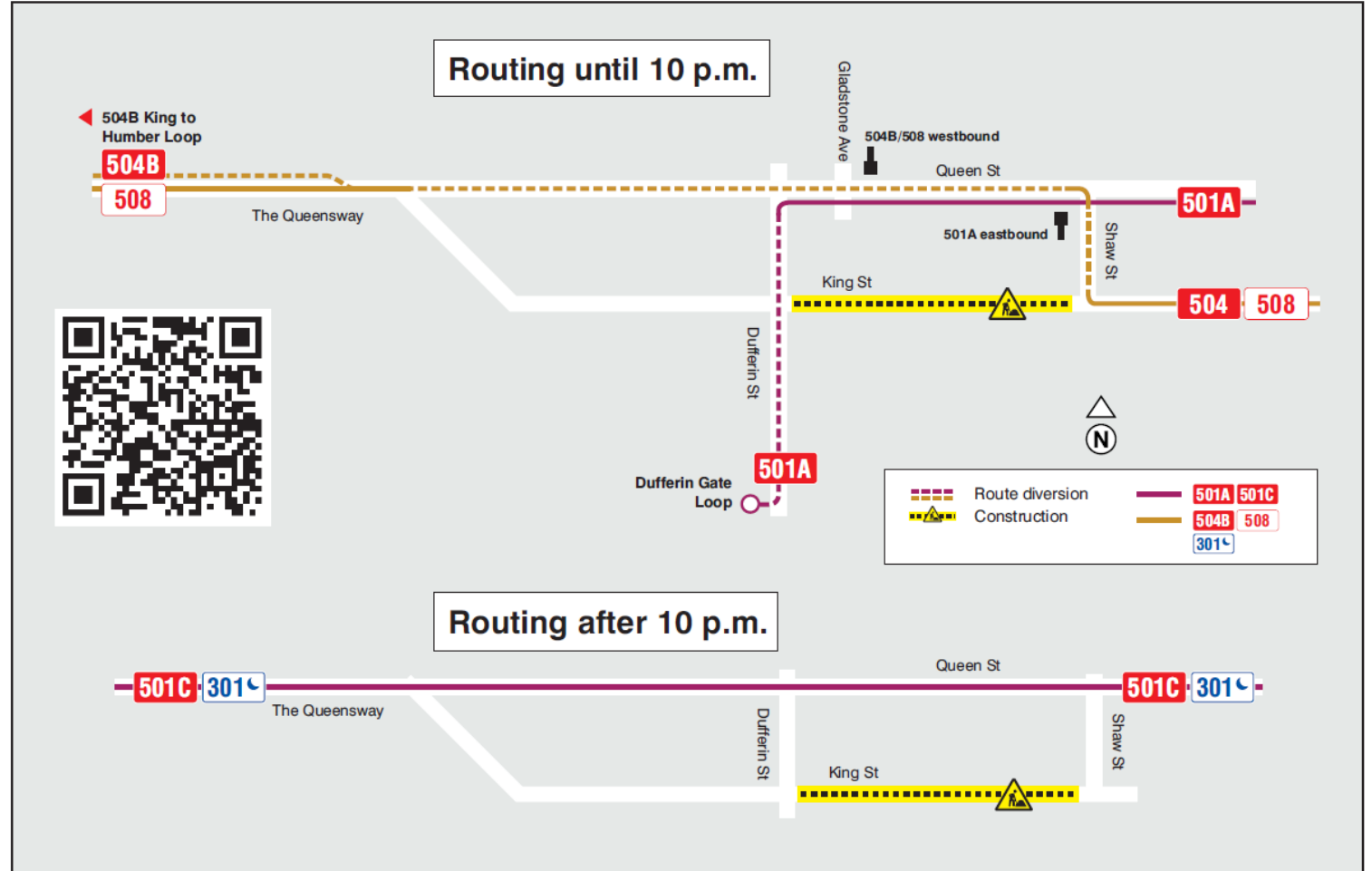
- TTC work crews must weld rail tracks before construction begins to allow for faster installation and reduced disruption to the community.
- Rail welding will take place on site or at the TTC yard.
- Work hours are 24 hours, 7 days a week.
- To move the rails safely and efficiently, a crew will pull the rails overnight with a Toronto Police escort. Noise can be expected.
- Once welded, the rail strings will be moved to the designated storage locations.
- Additional details on rail welding and storage locations will be provided closer to the project start date.



# TTC Service Impacts: 501 Queen

**501A Queen streetcars** will divert onto Dufferin Street (to Dufferin Gate Loop) until 10 p.m.

**501C Queen streetcars** will operate west to Long Branch Loop along regular routing after 10 p.m.



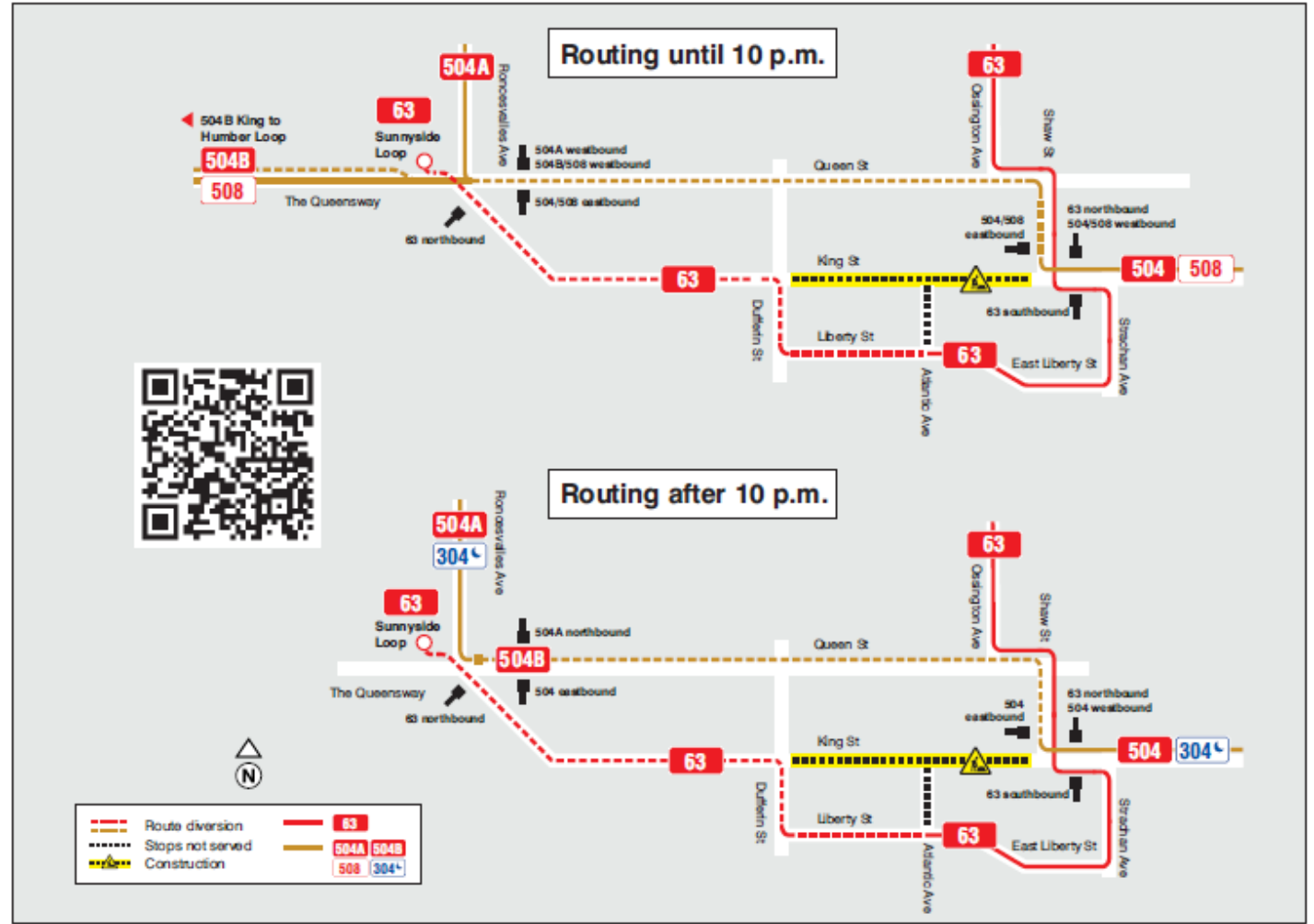
# TTC Service Impacts: 504 King 508 Lake Shore

**504/304 King streetcars** will divert onto Queen Street West between Shaw Street and Roncesvalles Avenue

**504A King streetcars** will continue to operate between Dundas West Station and Distillery Loop.

**504B King streetcars** will operate between Humber Loop and Broadview Station until 10 p.m.

**504B King streetcars** will operate between Roncesvalles Avenue and Broadview Station, after 10 p.m.

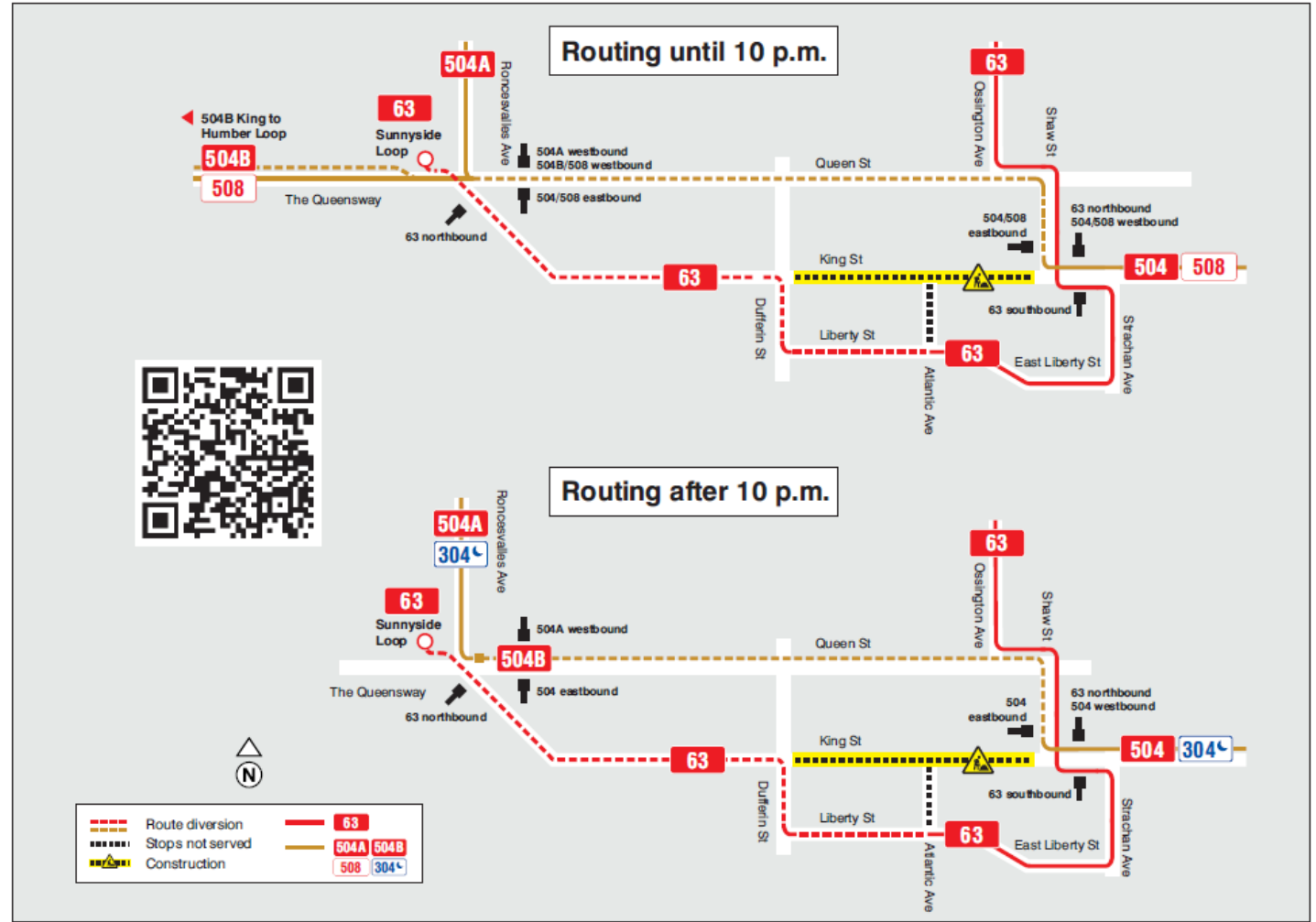




# TTC Service Impacts: 63 Ossington

**63 Ossington buses** will be extended along King Street West between Dufferin Street and Roncesvalles Avenue. This will provide service both ways along this section of King Street West, Liberty/East Liberty Avenue, and Strachan Avenue.

*Service on the 63 Ossington will operate every 5 minutes during the peak periods and between 7 to 10 minutes in all other travel periods*



# TTC Service Impacts: Wheel-Trans

Wheel-Trans users in the community will be notified about construction activities.

If necessary, additional arrangements will be made for customers to continue to access Wheel-Trans services.



# TTC Service Impacts Communication

If you have any questions regarding TTC, please contact:

**Michael Vieira**

Senior Community Liaison

Telephone: 437-551-4609

Email: [KingStreetTrackRenewal@ttc.ca](mailto:KingStreetTrackRenewal@ttc.ca)

[ttc.ca/KingStreetTrackRenewal](http://ttc.ca/KingStreetTrackRenewal)



**King Street West watermain and streetcar track renewal project**

The following routes are impacted:

- 63
- 501A 501C
- 504A 504B
- 304
- 508

February 18 to December 2024

**Temporary route change**  
Due to watermain replacement and TTC track renewal

**63 Ossington**

**Effective February 18, 2024**

63 Ossington will be extended to replace streetcars on King Street, between Dufferin Street and Roncesvalles Avenue. Both 63A Ossington and 63B Ossington will operate both ways along Strachan Avenue, East Liberty Street, Liberty Street, Dufferin Street and King Street to Roncesvalles Avenue, rather than loop back via King Street and Atlantic Avenue.

Stops not served: northbound Atlantic Avenue, eastbound King Street, between Atlantic Avenue and Shaw Street.

**Transfer points:**

- 63 Ossington northbound: board on King Street (south side), south of Queen Street.
- 504A King westbound, 504B King/508 Lake Shore westbound: board on King Street (north side), east of Roncesvalles Avenue.
- 504B King/508 Lake Shore eastbound: board on King Street (south side), east of Roncesvalles Avenue.
- 63 Ossington southbound: board on King Street (south side), east of Shaw Street.
- 504B King/508 Lake Shore westbound: board on King Street (north side), east of Shaw Street.
- 504B King/508 Lake Shore eastbound: board on Shaw Street (west side), north of King Street.

For more information, call 416-393-4636 or visit [ttc.ca](http://ttc.ca)

**King Street West watermain and streetcar track renewal project**

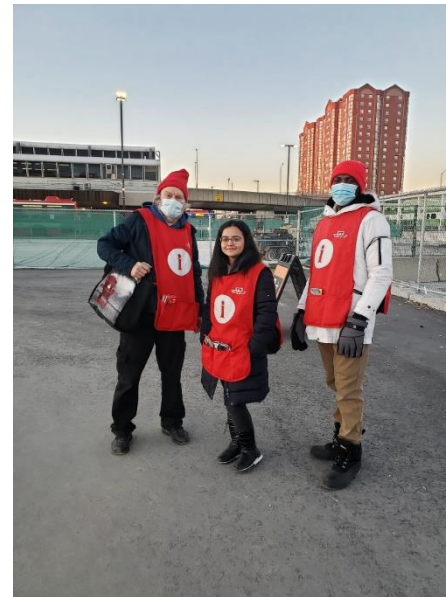
Route diversions February 18 to December 2024

**63 Ossington**

63 Ossington buses will extend to replace 504 King and 508 Lake Shore streetcars between Shaw Street and Roncesvalles Avenue. Routes 504 and 508 will divert along Queen Street during this period. These buses will operate along King Street West, Strachan Avenue, East Liberty Street, Liberty Street, Dufferin Street and King Street West to Roncesvalles Avenue. Transfer at Roncesvalles Avenue to the 504 King (501 Queen after 10 p.m.) to continue your journey westbound. See routing map on the reverse for more detail.

Board the 63 Ossington bus at the southeast corner of King Street West and Shaw Street.

ttc.ca | [TTC Notices](#) @TTCChelps



# Project Coordination

Watermain work and streetcar track replacement on King Street West will be coordinated with other programmed construction work in the area:

## **Gardiner Section 2 Rehabilitation**

- Starting in Spring 2024, the elevated section of the Gardiner Expressway will be rehabilitated between Dufferin Street and Strachan Avenue. Work is anticipated to be complete in mid-2027.
- The City will host a Virtual Public Information Event on March 4<sup>th</sup>, 2024. Visit [toronto.ca/gardinerS2](https://toronto.ca/gardinerS2) for details.

## **Local Road Resurfacing – Fraser Avenue**

- Sanitary sewer replacement and road resurfacing are planned at the intersection of Fraser Avenue and Liberty Street as well as 100m south along Fraser Avenue from the intersection. This project will proceed once work on King Street West is completed in this area.

# Tools to Manage Traffic

To help manage traffic flow during construction, the City will undertake the following measures:

- Traffic Signal Timing Adjustments
- Signage Plan
- Camera Observations
- Travel Time Data
- No Fly Zone



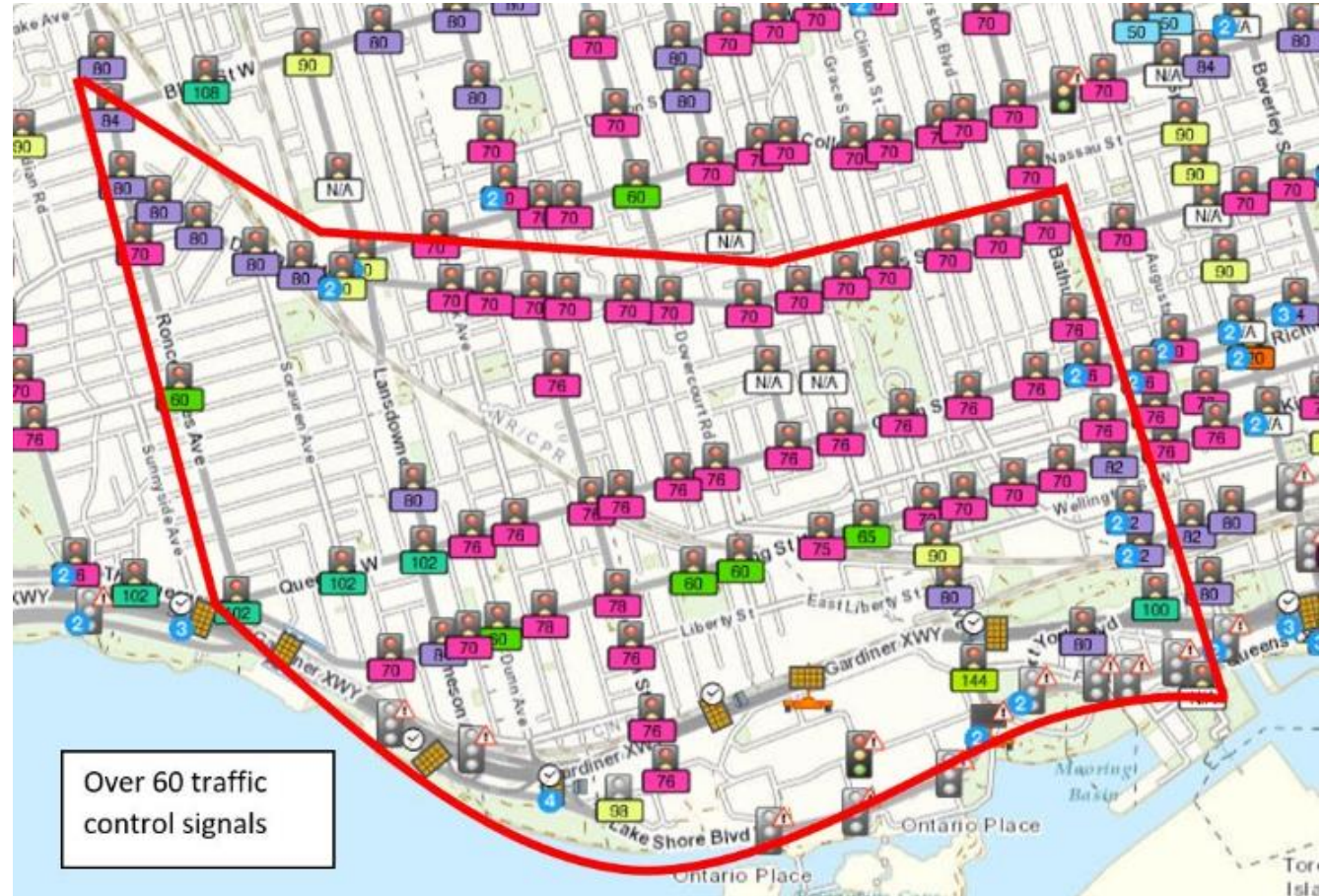
# Signal Timing Adjustments

Traffic signal timing adjustments are planned within the following boundaries:

- Dundas Street West to the north
- Bathurst Street to the East
- Lake Shore Boulevard to the south
- Roncesvalles Avenue to the west

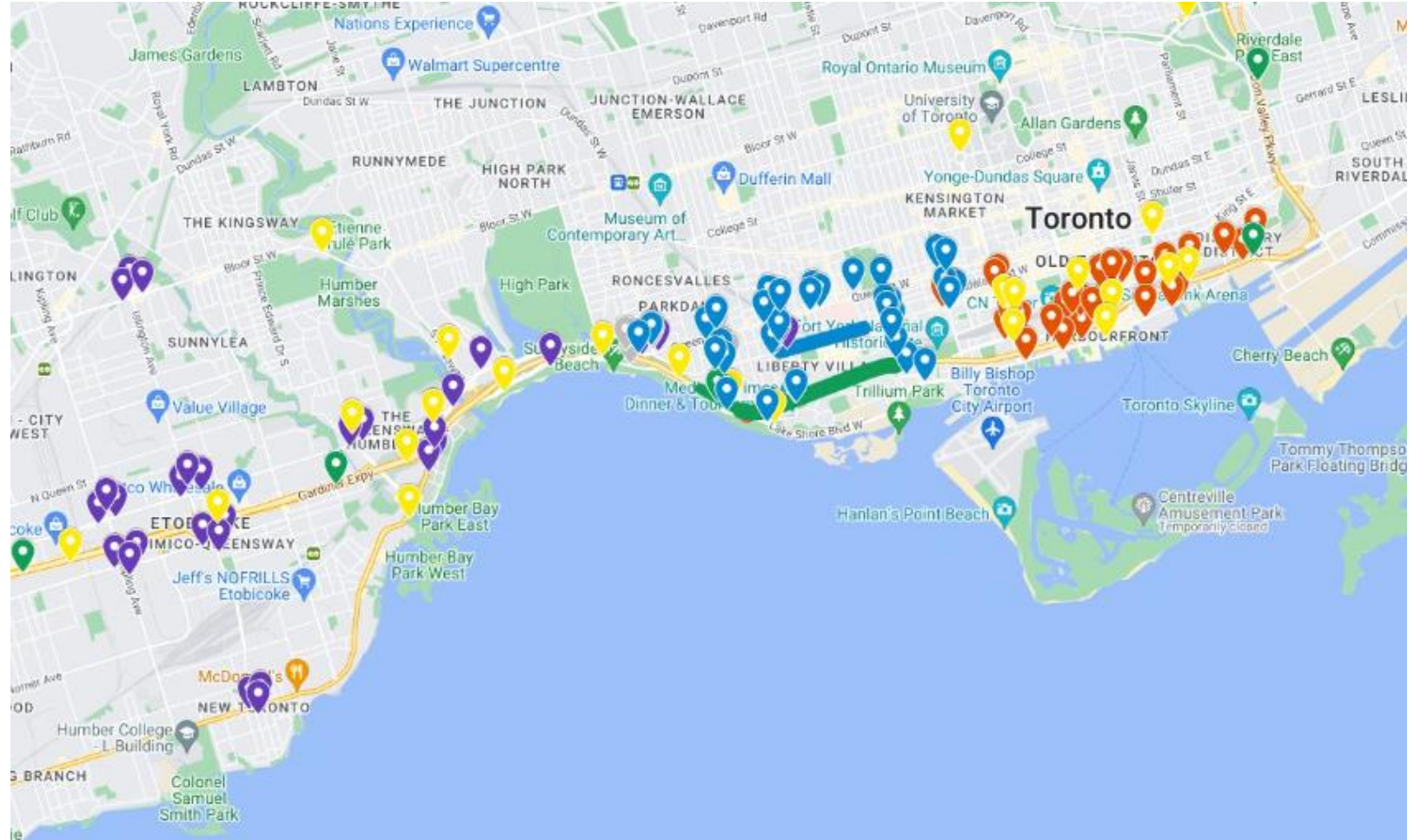
Further timing adjustments within and outside the boundaries may be applied during the project based on

- other construction activities
- special events
- on-going staff monitoring/observations
- public feedback



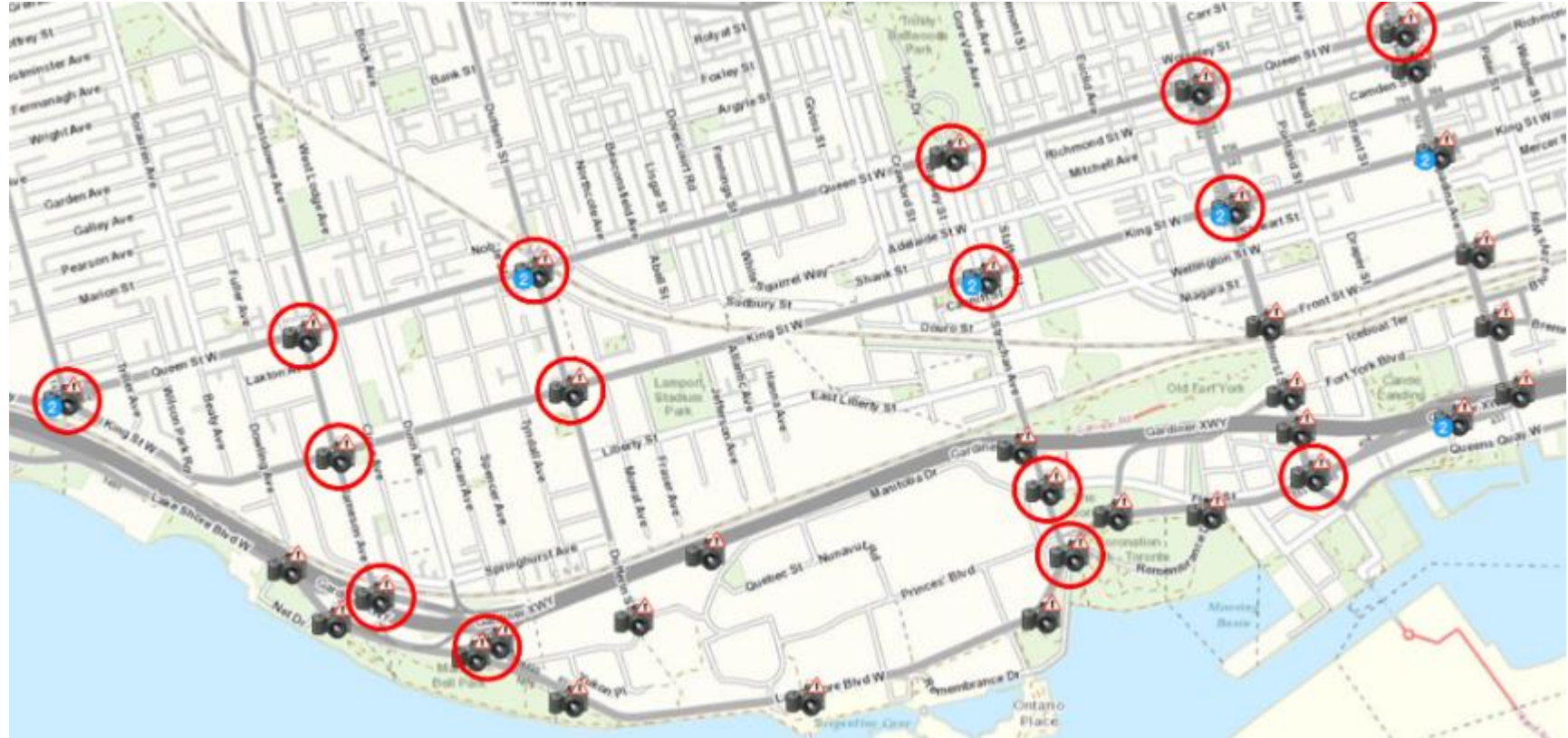
# Signage Plan

- Portable Variable Message Units (PVMS), Variable Message Signs (VMS) and static signage are installed two weeks prior to construction.
- 25 PVMS and 80 static signs for Gardiner Section 2
- 5 VMS on Gardiner/DVP
- 3 PVMS and over 33 static signs for King Street West construction



# Camera Observations

- Cameras will be used at critical locations to monitor traffic conditions before and during construction.
- Additional traffic management measures may be considered at the most impacted locations.
- Assessment of new camera installations are being carried out at three intersections:
  - Dundas Street West and Dufferin Street
  - Dundas Street West and Bathurst Street
  - Lake Shore Blvd and British Columbia Road





# Travel Time Data

- Travel time data will be collected and monitored on the following roadways:
  - College Street
  - Dundas Street West
  - Queen Street West
  - King Street West
  - Lake Shore Blvd West
- Data collected on a weekly basis will be analyzed to determine hot spots and assess the need for further traffic mitigation measures.



# No Fly Zone

- Non-emergency utility work/ lane closures on major arterial roads will be temporarily suspended in Zone A during the CNE (August 16 to September 2)
- Zone B No Fly Zone will be in effect during games and events at Rogers Centre and Scotia Bank Arena.



## No Fly Zone Boundaries:

- Zone A - Queen Street to the north, Spadina Avenue to the east, Lake Ontario to the south
- Zone B - Front Street West to the north, Bay Street to the east, Queens Quay to the south, Spadina Avenue to the west

# Future King Street Construction

Future watermain work and streetcar track replacement on King Street West is planned in 2025 and 2026.

## Close Avenue to Dufferin Street

- Starting in 2025, replace existing watermains with new 300mm mains on both north and south sides. TTC track replacement in the same area. Work is anticipated to be complete in 2025.

## Shaw Street to Bathurst Street

- Starting in 2025, replace existing watermains with new 300mm mains on both north and south sides. TTC track replacement in the same area. Work is anticipated to be complete in 2026.

\* Project schedule and details may be adjusted based on insights from the 2024 project, regulatory approvals, and final design criteria.

# Keeping You Informed

Throughout the construction, the City and TTC will:

- Issue Construction and Transit Update notices ahead of major changes
- Send regular email project updates
- Regularly update the City and TTC project webpages

Sign up for email updates at

[toronto.ca/KingWestConstruction](https://toronto.ca/KingWestConstruction)

For the latest TTC information visit:

[ttc.ca/KingStreetTrackRenewal](https://ttc.ca/KingStreetTrackRenewal)

**TTC Construction Notice**  
TTC Streetcar Track Renewal and Watermain Replacement on King Street West between Dufferin Street and Shaw Street

Start Date: Mid-February 2024  
End Date: December 2024

The City of Toronto and the Toronto Transit Commission (TTC) plan to renew aging streetcar tracks on King Street West between Dufferin Street and Shaw Street in 2024. This work is required to bring City infrastructure to a state of good repair and is part of the Council-approved 2023 Capital Works Program.

Sign up to receive email updates about this project at [toronto.ca/KingWestConstruction](https://toronto.ca/KingWestConstruction)

**LEARN MORE**  
The City invites you to attend a virtual Public Information Event to learn about the upcoming construction. There will be an opportunity to ask questions during the event.

Thursday, February 15, 2024  
6:00 p.m. to 8 p.m.  
Register at [toronto.ca/KingWestConstruction](https://toronto.ca/KingWestConstruction)

If you have a specific accessibility need or require accommodation, please contact us.

Join online or by phone  
Date: 4 Feb 2024 6:00-8:00  
Meeting number: 2024 118 9655  
Meeting password: 5484

CONSTRUCTION PHASES	King Street West Travel Impacts
<b>Phase 1 – Mid-February to end of February 2024</b> Watermain replacement Dufferin Street to Shaw Street	City travel time in each direction will be maintained around the work zone. Pedestrian access will be maintained. TTC service will be re-routed – see page 4.  No east-west travel through the work zone (King Street) will be maintained. Pedestrian access will be maintained. TTC service will be re-routed – see page 4.  No travel time will be spent, however temporary pedestrian access will be maintained. TTC service will be re-routed – see page 4.
<b>Phase 2 – Mid-May 2024 to June 2024</b> Streetcar track renewal Dufferin Street to Fraser Avenue	
<b>Phase 3 – June 2024 to July 2024</b> Streetcar track renewal Intersection of King Street and Dufferin Street (full intersection closure)	
<b>Phase 4 – August 2024 to September 2024</b> Streetcar track renewal Fraser Avenue to Adelaide Avenue	
<b>Phase 5 – September 2024 to end of October 2024</b> Streetcar track renewal Adelaide Avenue to Shaw Street	
Full closure of streetcar track construction work will continue to December 2024.	

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**Transit Notice** Issued on January 31, 2024

Planned service changes to the 501 Queen, 504 King, 508 Lake Shore, and 63 Ossington streetcar/bus routes due to watermain replacement and streetcar track renewal on King St. W., from Dufferin St. to Shaw St.

TTC service changes: Starting February 18 to December 2024  
*\*Content/timeline accurate at the time of printing*

**What the City of Toronto and TTC are doing on King Street West and why**

Starting in February 2024, the City will begin renewing the aging watermain along King Street West from Dufferin Street to Shaw Street. In May 2024, City and TTC crews will begin replacing the aging streetcar tracks along the same section of King Street West. This work is required to bring City infrastructure to a state of good repair and is part of the Council-approved 2023 Capital Works Program.

**Work activities will include:**

- Watermain replacement on King Street West from Dufferin Street to Shaw Street
- Streetcar track renewal on King Street West from Dufferin Street to Shaw Street. This will include streetcar track renewal at the intersection of King Street West and Dufferin Street
  - A full intersection closure will be required between five and six weeks to complete this work. TTC routes operating through the area will be adjusted to accommodate this work. Details on such changes will be communicated before work starts.
- Before streetcar track renewal starts in May 2024, TTC crews will deliver new streetcar rail strings near the work area. Crews will weld the new rail strings into longer strings and store them adjacent to the work area for eventual installation. Businesses/residents affected by this work/storage will receive a notice from the TTC with additional information.

**Changes to TTC service due to this work**

**Starting Sunday, February 18, 2024 (see maps on Page 2):**

- 601 Queen streetcars will divert onto Dufferin Street (to Dufferin Gate Loop) until 10 p.m.
  - After 10 p.m., 601 Queen streetcars will operate west to Long Branch Loop along its regular routing.
- 604A King streetcars will divert onto Queen Street West between Shaw Street and Roncesvalles Avenue.
  - 604B King streetcars will divert onto Queen Street West between Shaw Street and Roncesvalles Avenue and extend to Humber Loop before 10 p.m., and to Roncesvalles Avenue after 10 p.m.
- 608 Lake Shore streetcars will divert onto Queen Street West between Shaw Street and Roncesvalles Avenue (starting February 19, 2024, as this route does not operate on weekends).

Routes/Schedule/Fares: 416-393-4536 (automated - 24 hours daily)  
Customer Service: 416-393-3030 (daily 7 a.m. to 10 p.m.)  
TTY Line: 1-800-855-0511 (daily 8 a.m. to 6 p.m.)

ttc.ca  
@TTCinfo  
@takehomettc



# Questions?

If you have any questions regarding construction, please contact:



## **Mark De Miglio**

Senior Coordinator, Public Consultation Unit

Telephone: 416-395-7178

Email: [kingwestconstruction@toronto.ca](mailto:kingwestconstruction@toronto.ca)

**[toronto.ca/KingWestConstruction](https://toronto.ca/KingWestConstruction)**

If you have any questions regarding TTC,  
please contact:

## **Michael Vieira**

Senior Community Liaison

Telephone: 437-551-4609

Email: [KingStreetTrackRenewal@ttc.ca](mailto:KingStreetTrackRenewal@ttc.ca)

**[ttc.ca/KingStreetTrackRenewal](https://ttc.ca/KingStreetTrackRenewal)**