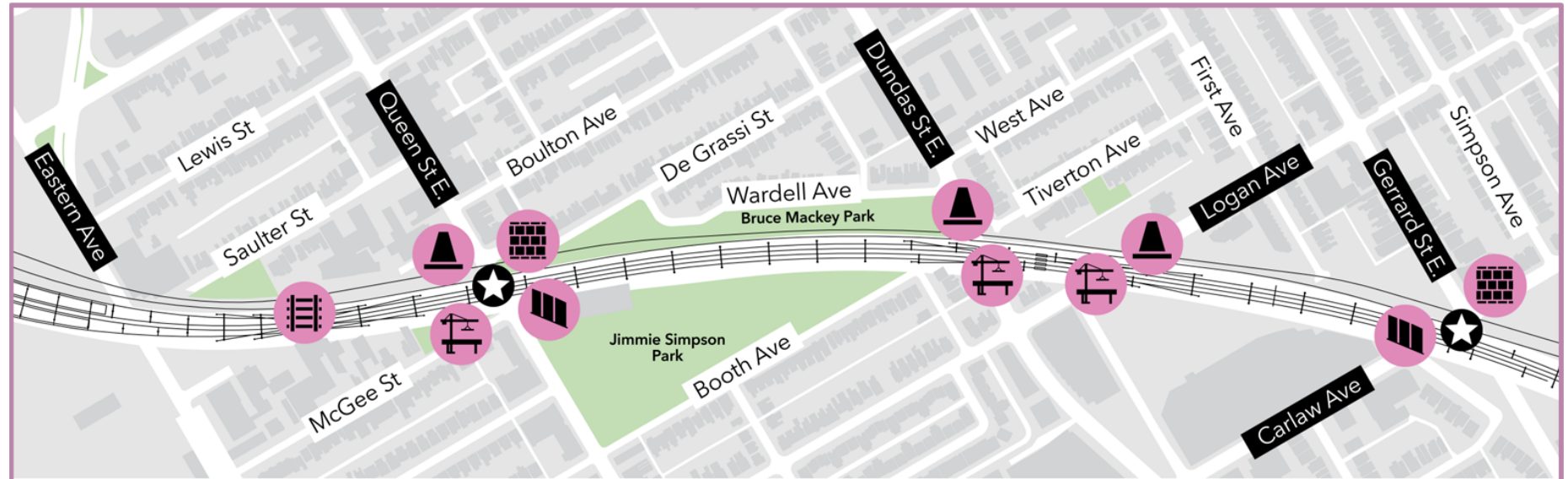


Overview: Lakeshore East Joint Corridor Early Works

Lakeshore East Joint Corridor early works will enable other major construction on the Ontario Line and GO Expansion Projects.

A major piece of the work is upgrading the bridges at Queen Street East, Logan Avenue, and Dundas Street East.

These bridge upgrades will help prepare for construction of Riverside-Leslieville and Gerrard Stations.



Lakeshore East Joint Corridor Early Works Scope of Work Summary



Future station



Utility relocations along Queen Street, Dundas Street, Logan Avenue and the surrounding side streets.



Upgrade to the rail corridor, including excavation of the existing embankment, installation of new drainage infrastructure, installation of pre-cast concrete retaining walls and backfill of the corridor.



Removal of existing and construction of new GO Bridges at Queen Street East, Dundas Street East and Logan Avenue. Construction of two new Ontario Line bridges at Dundas and Logan.



Realignment of the existing GO tracks, construction of a fourth GO track, and preparation works for eastbound and westbound Ontario Line tracks.



Construction of noise barrier walls to mitigate the impact of the railway on adjacent properties.



Construction of retaining walls for construction of the future Ontario Line stations: Riverside-Leslieville station and Gerrard station.



What to Expect

Excavator

Excavators will be used to demolish the bridge's piers, abutments, and decks. They will also remove and rebuild the retaining walls and excavate the rail corridor embankment.



Drill Rig

Drills deep holes which are filled with concrete and steel to support structures. A drill rig will be used at the Dundas St. E. bridge in August to install temporary supports called piles.



Mobile Crane

Will lift the new bridges and temporary supports into place. A mobile crane will be set up at Queen St. E. bridge on Aug 12-Aug 13, 2023



Loader

Transports materials into and out of the site. Loaders will use the construction access roads to enter and exit the rail corridor.

Construction Methodology: Bridge Reconstruction

Rail bridges at Queen Street East, Dundas Street East and Logan Avenue are at the end of their service life and need to be rebuilt to accommodate new Ontario Line and GO rail tracks in the existing corridor.

Replacing these bridges now means they will last for at least another 100 years and eliminate the need for future repairs.

Construction Methodology:

- **Reinforce:** Install temporary support structures to reinforce existing bridges (piles, tiebacks, and temporary bridge spans).
- **Demolish:** Partially demolish bridge abutments, piers, and decks.
- **Build:** Construct new bridge structures.



Construction Schedule : Bridge Works

Work Area	August 2023	September 2023	October 2023
Queen Street East	<p>Bridge reinforcement (install temporary bridge)</p> <p>* Aug 12-14: Queen St. E. Closure</p> <p>Utility relocations on Queen St. E.</p>	<p>TTC 501 Queen Streetcar shutdown Sept 3 - Oct 8</p>	<p>Bridge demolition and shoring</p> <p>* Sept 30 - Oct 2: Queen St. E. Closure</p>
Logan Avenue	<p>Bridge reinforcement (install tiebacks)</p> <p>Access Rd. construction Dundas St. E. North</p>	<p>Bridge demolition and shoring</p> <p>* Aug 19-20 Logan Ave. Closure</p> <p>Retaining wall removal: Logan Ave. - Dundas St. E.</p>	
Dundas Street East	<p>Bridge reinforcement (piling installations)</p> <p>Utility relocation works on Dundas St. E.</p>	<p>Bridge demolition and shoring</p> <p>* Sept 23-24 Dundas St. E. Closure</p>	

Construction Mitigation



Noise Barriers

Where possible, temporary barriers surround loud equipment to reduce noise.



Advance Notice

Providing notice ahead of construction to give local stakeholders the opportunity to ask questions and plan for the work.



Site Maintenance

Keeping the site clean and tidy to support the positive appearance of the neighbourhood.



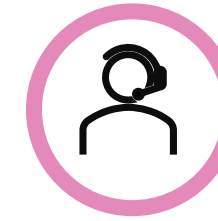
Noise Monitors

Located throughout the rail corridor, these monitors measure noise to make sure proper levels are maintained.



Hoarding and Signage

Hoarding provides a protective barrier between the construction site and the public. Signage informs of ongoing and upcoming work, as well as way-finding.



24-Hour Support

Providing a 24-hour call number to address complaints and issues.



Mindful Work Schedules

Work is scheduled to consider community needs, other major projects, and neighbourhood events.



Good Neighbor Approach

Making sure project staff are considerate of the community during construction.