

Construction Update: December 24, 2024

Gardiner Expressway Strategic Rehabilitation: Dufferin Street to Strachan Avenue | Community Update

Thank you for subscribing to the Gardiner Expressway Rehabilitation, Section 2 Dufferin Street to Strachan Avenue, community update e-newsletter.

Project Overview:

The project will take place in three stages, focusing on two lanes at a time while keeping four lanes open.

- Stage 1 south two lanes
- Stage 2 middle two lanes (current stage)
- Stage 3 north two lanes

Key elements of the construction project include:

- Preparation work (completed).
- Installing temporary support systems to allow for the construction work to safely take place while keeping two-thirds of the Expressway open.
- Demolishing and reconstructing the elevated roadway.
- Removing and replacing the bridge deck and the large beams (girders) that support the road.
- Rehabilitating the concrete support columns (bents).
- Finishing works.

Completion of Steel Girder Removals:

Steel girders were being removed the other week at the eastern limits of the Stage 2 work area. This work is a critical part of the rehabilitation process. While demolition work started at 6 a.m. late last week due to the acceleration efforts facilitated by the City and Province, the contractor adjusted their schedule to begin work at 7 a.m. following public feedback. Concrete removal (the noisy part) was finished on Saturday, December 14 and the full stage 2 demolition was completed Wednesday, December 18th. Noise levels continue to be monitored to ensure compliance.

Communications on Project Updates:

At this current stage, we don't anticipate disruptive work until stage 3. To ensure widespread awareness, please share this email with your neighbours and encourage them to sign up for updates to stay informed with the latest information. You can also visit the News and Updates section of the [project website](#).

Holiday Hours

Please note that the contractor will be working reduced hours during the holiday period. No construction work will take place December 24 to December 26 or January 1st.

Roadway: Demolishing and reconstructing the elevated roadway.

Completed:

- Stage 2 asphalt removals completed the week of November 11, 2024.
- Stage 2 installation of construction fence for delineation of construction zone completed the week of November 11, 2024.
- Stage 2 bridge deck full depth saw cutting at north removal limits completed from West Abutment to Bent 35 (approx. 220m west to approx. 450m east of GO Station), till date.
- Stage 2 bridge deck demolition completed, till date.
- Stage 2 bent cap full depth saw cutting at north removal limits completed from West Abutment to Bent 10 (approx. 220m to approx. 35m west of GO Station) and from Bent 17 to Bent 30 (approx. 100m to approx. 345m east of GO Station).

What's happening:

- Stage 2 scaffolding installation for bent cap construction ongoing from Bent 6 to Bent 10 (approx. 110m to approx. 35m west of GO Station) and at Bent 17 (approx. 100m east of GO station), progressing eastwards.

Location of work:

- Work is being done behind the green construction screen on the roadway and underneath the roadway.

Girders: Removing and replacing the large beams (girders) that support the road. This process includes the prefabrication of the new girders.

Completed:

- Removal of girders in Stage 1 has been fully completed.
- Installation of girders in Stage 1 has been fully completed.
- Completed prefabrication of 415 precast girders produced till date.
- Stage 2 steel girders removals from Bent 31 to Bent 35 (approx. 365m to approx. 450m East of GO Station) completed.

Location of work:

- Work is being done behind the green construction screen on the roadway and underneath the roadway.
- Girders are being fabricated in a facility north of Toronto.

Bents: Rehabilitating the concrete support columns (bents)

What's happening:

- Stage 2 bent cap full depth saw cutting at north removal limits completed from West Abutment to Bent 10 (approx. 220m to approx. 35m west of GO Station) and from Bent 17 to Bent 30 (approx. 100m to approx. 345m east of GO Station).
- Stage 2 bent cap reinforcement and formwork installation is ongoing from Bent 3 to Bent 6 (approx. 145m to approx. 110m west of GO Station.)
- Stage 2 installation of temporary support at bent caps completed from Bent 1 to Bent 10 (~approx. 205m to approx. 35m West of GO Station).

Location of work:

- Work is being done behind the green construction screen on the roadway and underneath the roadway.

For a visual map of the bent locations, visit the "Map of Work Area and Bent Location" tab on the [project website](#).

Visual Work on Site: The images below describe the type of work occurring on site during the week of December 16th, 2024.



Demolition of bridge concrete deck and piers (bents) was completed for stage 2, including removal of steel girders.



Fully removed steel girders at Stage 2 from Bent 31 to Bent 35.





The three images above depict scaffolding (support system for formwork) for bent cap reconstruction is ongoing. The tent enclosure in image 1 is a measure to protect the concrete during cold weather conditions, while the concrete cures.



The image above depicts a concrete pump, used for one of the bent cap concrete pours.

Thank you for your patience!

We appreciate your patience and understanding as we work towards a safer and more efficient Gardiner Expressway.

For more information

If you have any questions or have any suggestions for what you would like to see in this community update, please contact the field ambassador for this project, Madeleine Eleuteri, at GardinerS2info@parsons.com or 437-996-4065.

Stay tuned for the next update!