

# Brant's Crossing Bridge Superstructure Replacement and Fordview Lookout Removal

## Public Project Update #1

**In-person Open House**  
March 20, 2024 4:00-7:00 pm  
Committee Boardroom at  
City Hall (Main Floor)  
58 Dalhousie St., Brantford,  
ON N3T 2J2

**City Project Website**



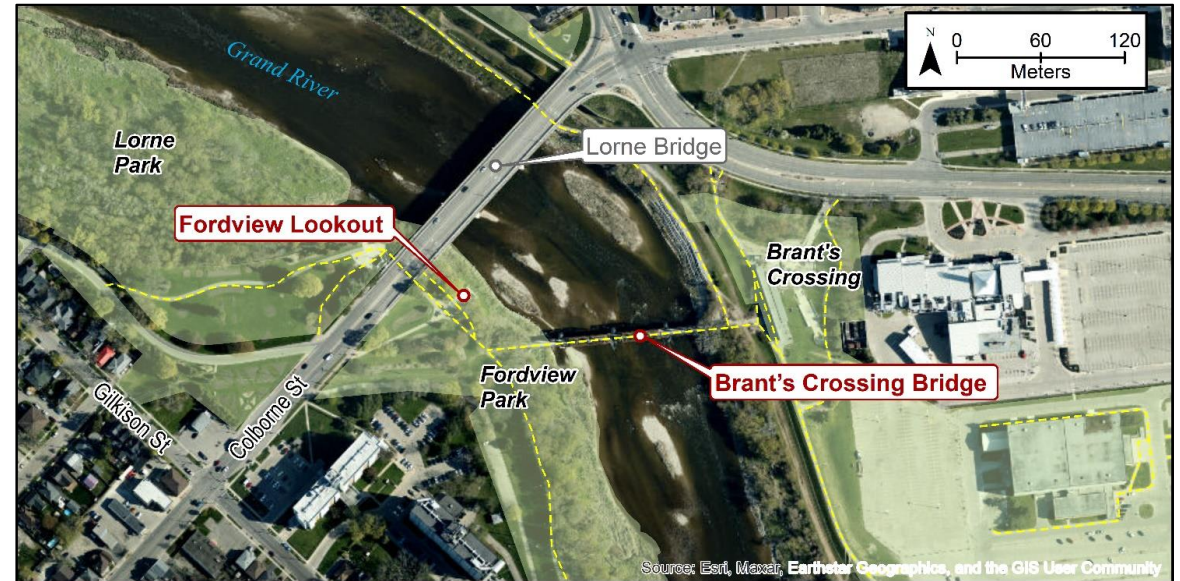
# Project Overview

In 2022, the City of Brantford completed an environmental assessment, which recommended that the Brant's Crossing's existing superstructure is replaced and raised.

The City is now preparing the engineering design for superstructure based on the approved plan. The purpose of this project is to replace the bridge superstructure with one that is:

- More accessible and versatile by accommodating pedestrian and cyclist traffic with the wider deck,
- Sustainable with the materials being used,
- Safer and more resistant to flooding/ice jamming by raising it 1.1 meters (min.), and
- Creates a destination in Brantford by incorporating lighting and lookout.

The City is also taking the opportunity to plan for **Fordview Lookout Removal**.



*The City is hosting this Public Project Update open house to update the public on the progress of the preliminary design and answer any questions.*

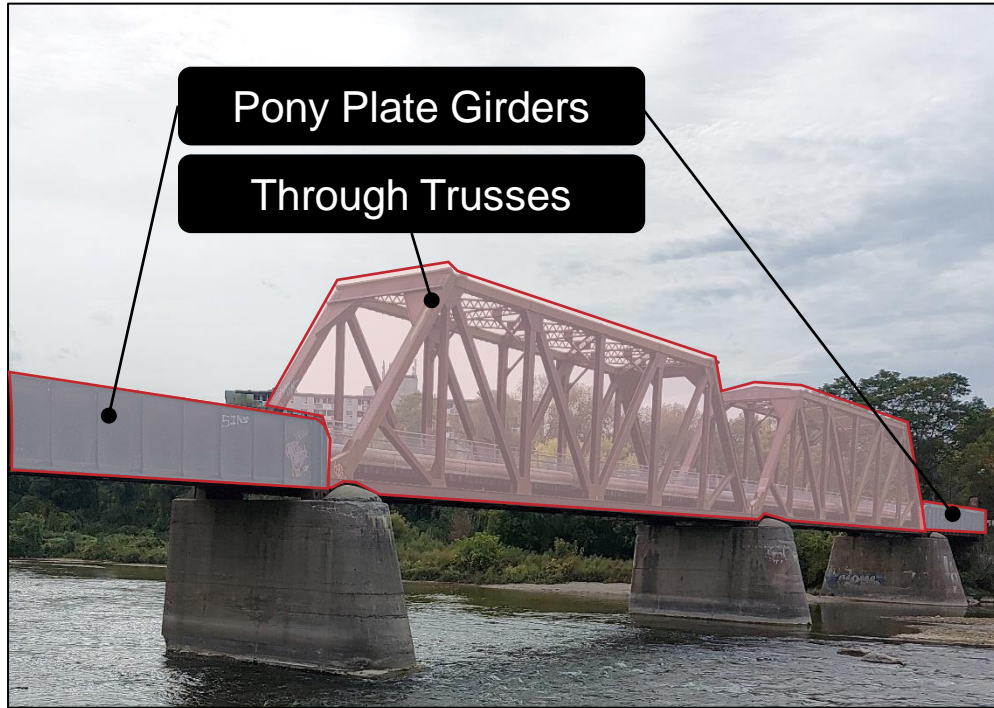
# Brant's Crossing Bridge

- The Brant's Crossing Bridge spans over the Grand River and is located on the Dike Trail, a multi-use trail that connects Fordview Park and Brant's Crossing Park.
- The bridge was constructed in 1875 for the purpose of conveying railway traffic.
- The original crossing was replaced in 1913 with the current structure.
- The bridge was converted to a pedestrian crossing in 1996.
- It carries a multi-use path, a watermain and other utilities.
- In February 2018, the bridge was closed following a flooding and ice jam event.



# Bridge Superstructure

The superstructure is comprised of the following key components:

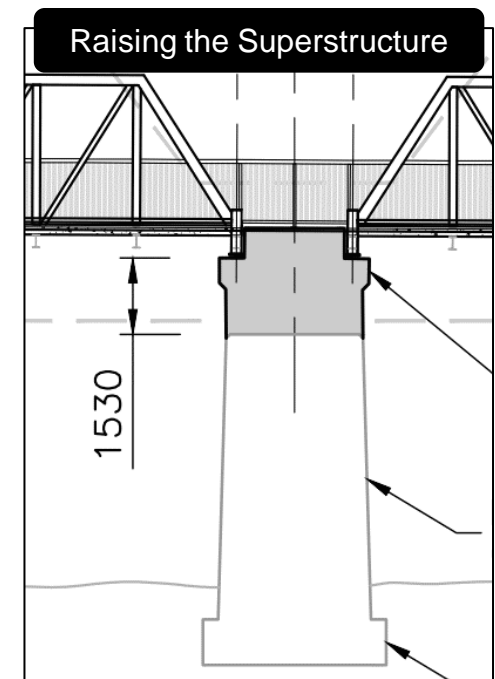
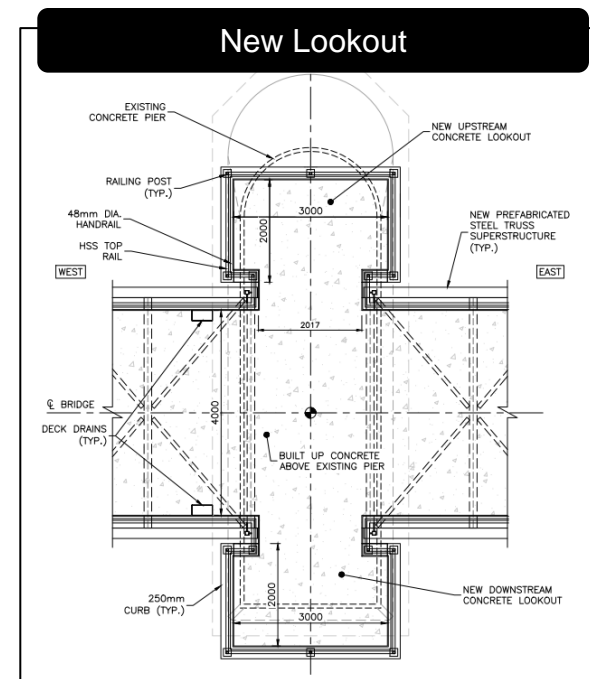
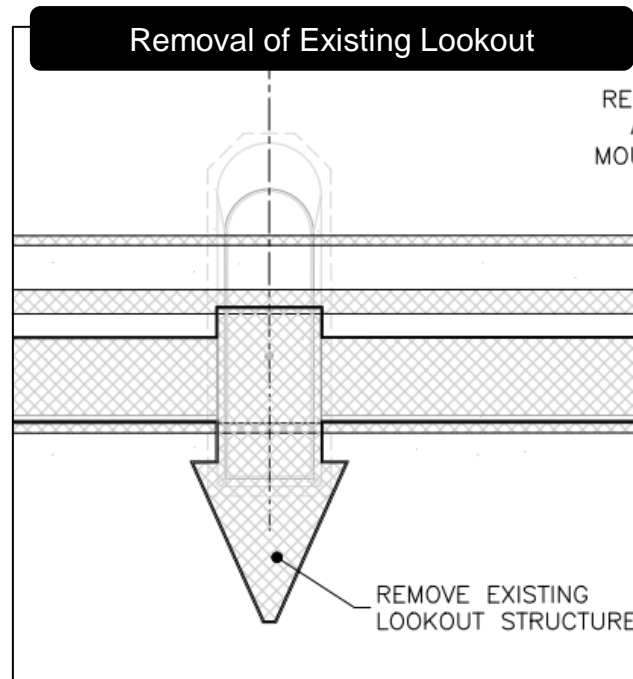
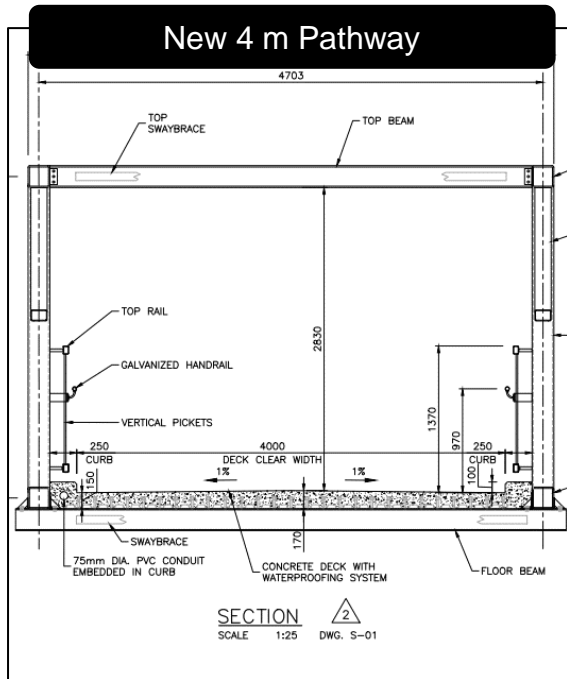
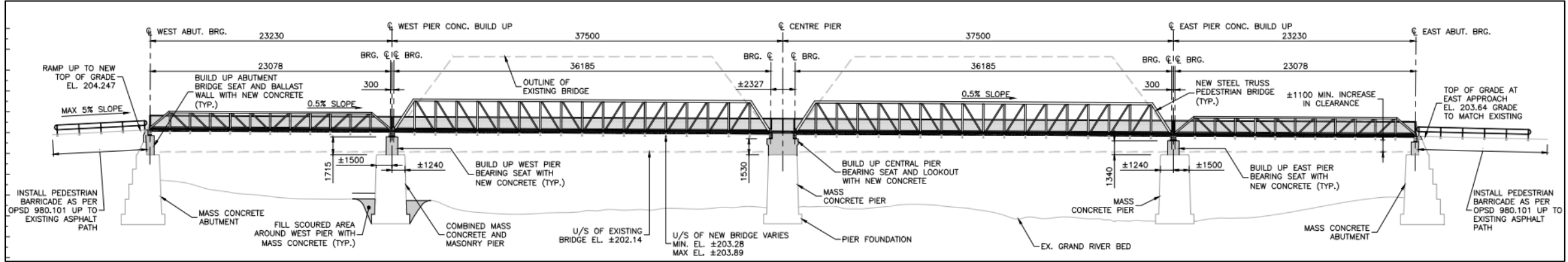


# Fordview Lookout

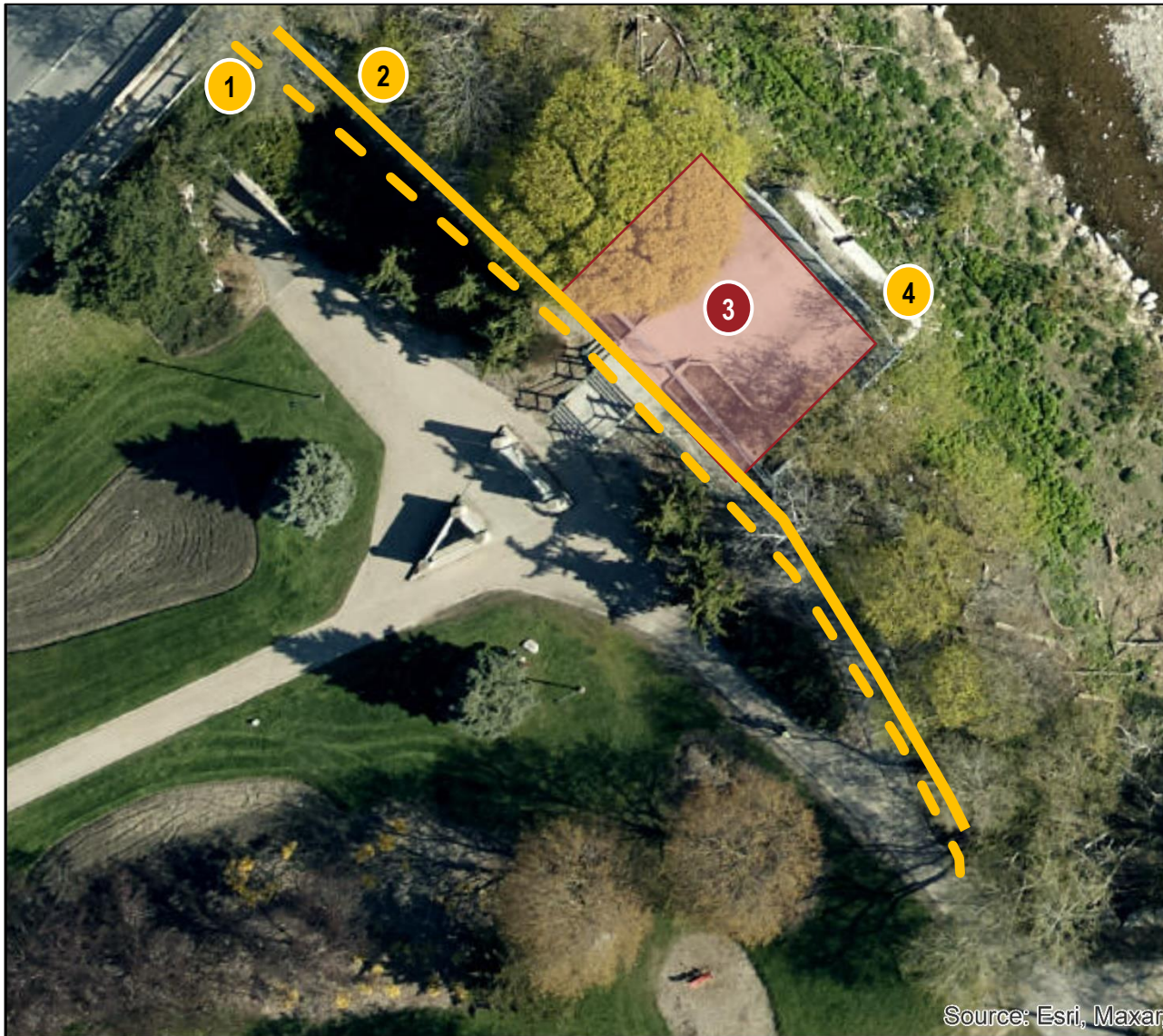
- The Fordview Lookout is located in Fordview Park, northwest of the Brant's Crossing Bridge.
- Based on the City's records, the lookout was built in 1991.
- In August 2017, the lookout was permanently closed due to severe steel corrosion deficiencies identified during regular structural inspection.
- Following the closure, further structural investigation was completed, which documented all the deficiencies and presented alternatives for lookout rehabilitation, replacement, and removal.
- **The City has considered all the alternatives and decided to proceed with the removal of the Fordview Lookout.**



# Proposed Bridge Superstructure Design



# Proposed Fordview Lookout Removal



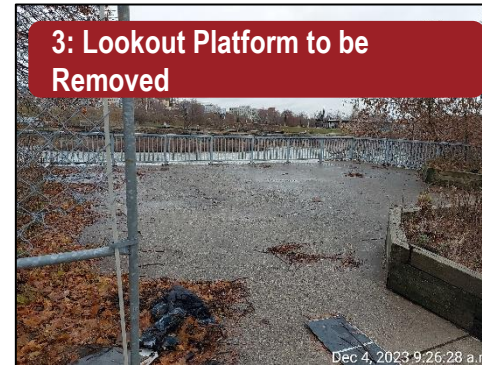
1: Fence to be Retained and Protected



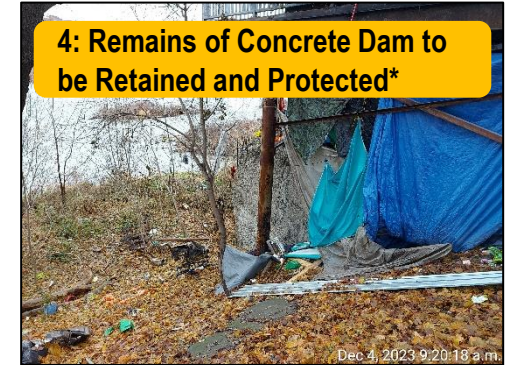
2: Retaining Wall to be Retained and Repaired



3: Lookout Platform to be Removed



4: Remains of Concrete Dam to be Retained and Protected\*



\*Top of Dam Remains to be Regraded and Vegetated to Deter Future Encampments.

# Heritage Conservation Plan

- The Brant Crossing Bridge retains cultural heritage value or interest as a standalone structure and also as part of a Cultural Heritage Landscape together with neighbouring crossings of the Lorne Bridge and the Toronto, Hamilton & Buffalo (TH&B) Crossing Bridge.
- One of the two through trusses will be fully or partly salvaged and conserved as an interpretive feature.
- A Heritage Conservation Plan is being completed to prepare a conservation strategy for the bridge, which will be implemented during the design and construction process of the bridge.





# Environmental Protection

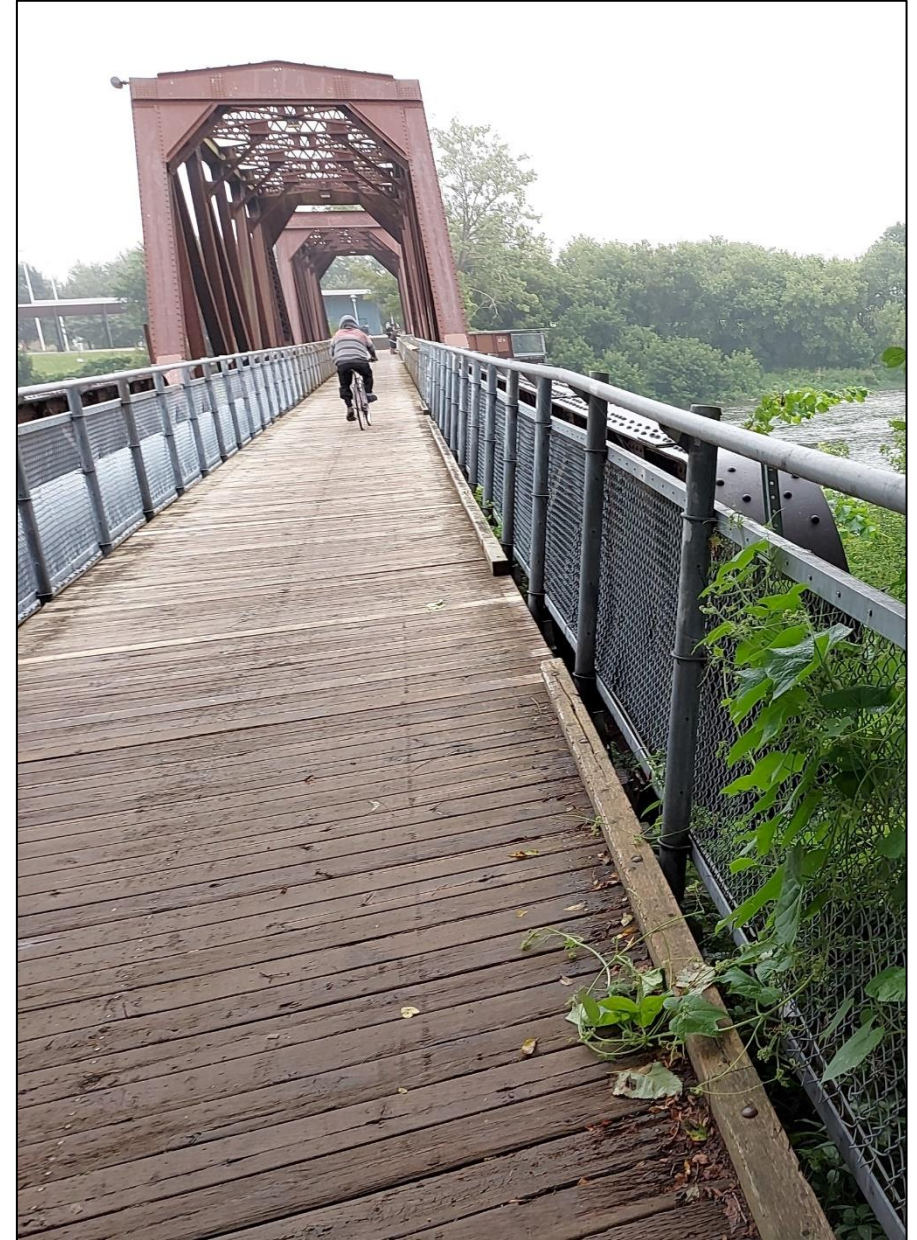
- A tree preservation plan will be developed for the project area where existing trees are expected to be impacted by the construction work. This plan will identify trees to be impacted and propose tree protection measures.
- A number of aquatic and terrestrial Species at Risk have the potential to occur in the general Project Area. The City will consult with Government Regulatory Agencies and obtain all required environmental permits and approvals prior to the start of construction.
- Environmental protection measures will be included in contract documentation for implementation during construction.



# Project Benefits

Some of the key benefits of this Project include:

- **Improved user experience** by providing:
  - 4 m wide pathway with concrete deck
  - New bridge lighting with additional variable colour flood lights
  - New lookout on both north and south sides at the middle pier for upstream and downstream views.
  - New structure with varying heights to mimic existing design. Open view of the landscape along the entire bridge.
- **Increased safety of public and infrastructure** from flooding hazards by raising the superstructure.
- **Increased public safety** by removing Fordview Lookout Platform due to severe steel corrosion deficiencies.



# Project Schedule

**Summer 2023 – Fall 2023**

**Winter 2024 – Spring 2024**

**Winter 2024 – Spring 2024**

**Spring 2024 – Summer 2024**

**Fall 2024 – Summer 2025**

**Preliminary Design**

**Detailed Design**



**Permitting and Approvals**

**Final Design and Tendering**

**Construction**

## Next Steps: We Want to Hear from You!

- Thank you for participating in this Public Project Update. We welcome your feedback on the proposed design.
- We encourage you to complete the comment form, or submit comments by sending an email to the Project Team Members by **March 22, 2024**:

	
<p><b>Adam Galezowski, P.Eng.</b> Interim Manager of Design and Construction City of Brantford <a href="mailto:agalezowski@brantford.ca">agalezowski@brantford.ca</a></p>	<p><b>Nathan Kranendonk, P.Eng.</b> Senior Bridge Engineer WSP Canada Inc. <a href="mailto:nathan.kranendonk@wsp.com">nathan.kranendonk@wsp.com</a></p>

For future updates, visit project website:

<https://www.brantford.ca/en/your-government/brant-s-crossing-bridge-rehabilitation.aspx>

