

**Date:** 2021-04-13

**Subject:** **Request to Begin Procurement to rehabilitate the Bartley Bull Parkway bridge over Etobicoke Creek and replace the Joyce Archdekin Park pedestrian bridge over Etobicoke Creek in Ward #3 (file I.AA.214230-004 and 204230-006)**

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**Report Number:** Public Works & Engineering-2021-462

### **Recommendations:**

**THAT** the report from Borendra Sanyal, Senior Project Engineer - Bridges, Capital Works, Public Works and Engineering to the Committee of Council meeting of April 28, 2021, re: **Request to Begin Procurement to rehabilitate the Bartley Bull Parkway bridge over Etobicoke Creek and replace the Joyce Archdekin Park pedestrian bridge over Etobicoke Creek in Ward #3 (file I.AA.214230-004 and 204230-006)**, be received; and,

**THAT** the Purchasing Agent be authorized to begin procurement to rehabilitate the Bartley Bull Parkway bridge over Etobicoke Creek and replace the Joyce Archdekin Park Pedestrian bridge over Etobicoke Creek

### **Overview:**

- **This report is to obtain Council authorization to commence procurement to rehabilitate and replace the following bridges;**
  - **Bartley Bull Parkway road bridge over Etobicoke Creek (G4RBWTE085) and**
  - **Joyce Archdekin Park pedestrian bridge over Etobicoke Creek (F4FBOWE032)**
- **The rehabilitation of the Bartley Bull Parkway bridge is being coordinated with the Traffic and Active Transportation Groups. This rehabilitation will enhance the capacity of the structure, accommodate active transportation, extend the lifespan of the structures and reduce disruption to the residents.**

- **The replacement of the Joyce Archdekin Park pedestrian bridge is being coordinated with the Community Service and Park Operation Groups. This structure replacement will enhance the aesthetics of the structure and the surrounding areas, extend the lifespan of the structures and reduce disruption to the residents.**

### **Background:**

The bridge structures require regular rehabilitation to extend their life. The Public Works & Engineering Department budgets each year to complete the rehabilitation of bridge structures. The rehabilitation and replacement of these structures is anticipated to be completed in 2021. The design and approvals have been completed and the project is ready to tender.

### **Current Situation:**

The detailed deck condition survey and engineering evaluation of both of these bridges over Etobicoke Creek revealed that the Bartley Bull Parkway road bridge requires rehabilitation and/or replacement of its various structural components.

The current deck width of the Bartley Bull Parkway bridge is not sufficient enough to complete the rehabilitation in one construction season without closing the road. Therefore, a full closure of Bartley Bull Parkway is planned at the bridge location and the traffic will be detoured to Peel Village Parkway. This will expedite the construction process and the full rehabilitation will be completed in 18 to 22 weeks (subject to weather). A permanent traffic signal will be installed at Peel Village Parkway and Main Street intersection to facilitate easy and smooth transition of the traffic. Further elaboration about this detour and related traffic calming measures are detailed in the Appendix 1.

The Joyce Archdekin Park pedestrian bridge requires complete replacement and is currently closed for vehicular traffic. The bridge is currently being used for pedestrian only.

The construction work of both bridges are expected to be completed in 2021 subject to weather conditions. All work will be coordinated as appropriate with operations staff. A short description of the respective structures, location map and brief rehabilitation scopes of the individual structure are outlined in the attached Appendix 1.

### **Project Timing (Anticipated):**

Description	Bartley Bull Parkway road bridge over Etobicoke Creek	Joyce Archdekin Park pedestrian bridge over Etobicoke Creek
Council Approval	May 5, 2021	May 5, 2021
Issue for Tender	May 2021	May 2021
Tender Closing	June 2021	June 2021
Purchase Order Issued	July 2021	July 2021
Construction Start	August 2021	August 2021
Completion	December 2021 subject to weather conditions	December 2021

**Corporate Implications:**

Financial Implications:

Sufficient funding is available within the Public Works & Engineering approved Capital Budget for this initiative.

Purchasing Comments:

A public Procurement Process will be conducted and the lowest compliant Bid will be eligible for contract award. Purchase approval shall be obtained in accordance with the Purchasing By-law.

All communication with Bidders involved in the procurement must occur formally, through the contact person identified in the Bid Document.

Realty Services Comments:

Acquisitions of the property rights for these structures are not required as the structures will be built on the existing bridges footprint. The structures are located within the City of Brampton's Right of Way.

**Strategic Plan and Term of Council Priorities:**

This report achieves the Strategic Plan priorities for growth management by improving the roadway network to move people more efficiently and to support the advancing urbanization and development within the City of Brampton.

**Living the Mosaic - 2040**

Upgrading Brampton's deteriorated bridge/culvert structures through planned replacements and rehabilitations will provide a mosaic of safe, integrated transportation choices and new modes of transportation to the Brampton's residents. Also, this will positively contribute towards the civic sustainability by emphasizing walking, cycling and efficient transit system as promoted within Brampton's 2040 Vision.

## **Conclusion:**

This report recommends that the Council to approve the request to Begin Procurement to rehabilitate the Bartley Bull Parkway bridge over Etobicoke Creek and replace the Joyce Archdekin Park pedestrian bridge over Etobicoke Creek in Ward #3 to provide connectivity for the residents in the respective areas. This report also recommends the Purchasing Agent be authorized to commence the procurement as described in this report.

Authored by:

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## **Attachments:**

1. Structures description and rehabilitation scopes
2. Key Plans: Structure's Location (2 pages)