



Report
Staff Report
 The Corporation of the City of Brampton
 3/20/2024

Date: 2024-02-29

Subject: **Request to Begin Procurement for the Replacement of Heritage Road Culvert over Heritage Creek North of Steeles Avenue West– Ward 6**

Contact: Borendra Sanyal
 Senior Project Engineer
 Capital Works, Public Works and Engineering

Report number: Public Works & Engineering-2024-216

RECOMMENDATIONS:

1. That the report from Borendra Sanyal, Senior Project Engineer, Capital Works, Public Works and Engineering to the Committee of Council Meeting of March 20, 2024, re: **Request to Begin Procurement for the Replacement of Heritage Road Culvert over Heritage Creek North of Steeles Avenue West– Ward 6**, be received; and
2. That the Purchasing Agent be authorized to commence the procurement for **the Replacement of Heritage Road Culvert over Heritage Creek North of Steeles Avenue West.**

OVERVIEW:

- **This report is to obtain Council authorization to commence procurement for the Replacement of Heritage Road Culvert over Heritage Creek North of Steeles Avenue West in Ward 6;**
- **Heritage Road Culvert over Heritage Creek North of Steeles Avenue West is an existing single cell, structurally and geometrically deficient culvert on a two (2) lane rural roadway to be widened to a four (4) lane urban roadway bridge with new roadside safety features, curb, gutter, and multi-use paths; and,**
- **The Heritage Road Culvert Replacement will provide a wider and safer roadway, accommodate future road widening, improve roadway geometry, provide new active transportation facilities, enhance traffic capacity, enhance stormwater capacity, provide improved landscaping and roadside safety features including street lighting.**

BACKGROUND:

The City of Brampton has completed a Schedule “C” Class Environmental Assessment Study for the widening of Heritage Road to four lanes.

The Class Environmental Assessment (EA) Study recommended the widening of Heritage Road from a two lane rural roadway to a four lane urban roadway with curb, gutter, multi-use path, new street lighting systems, new stormwater/ storm sewer systems, new roadway structures, landscaping, and utility relocations. Detailed design for the widening of Heritage Road is commencing in 2024 and construction is expected to be completed by 2027.

Further to the EA Study recommendations, the existing culvert is “structurally poor” as reported in the recent inspection by an Engineering Consultant.

CURRENT SITUATION:

The existing Heritage Road Culvert is located approximately 800m North of Steeles Avenue West (see Attachment #1). The existing structure is carrying a two-lane roadway with a rural cross-section that runs from north to south with narrow gravel shoulders. The posted speed limit is 60 km/h.

The following issues have been identified with the current structure:

- The existing structure is Geometrically and Structurally in poor condition;
- Lack of sidewalk and Accessibility;
- Inadequate roadside safety systems;
- No roadway illumination;
- No stormwater management systems

The existing structurally poor roadway culvert will be replaced with a new widened roadway bridge. The new structure is under design and expected to be completed by April 2024. The new bridge will address the issues identified above.

The anticipated procurement process will begin in April 2024, subject to Council approval. Tentative project timelines are as follows:

Issuance of Tender for Construction	April 2024
Tender Closing	June 2024
Purchase Order Issued	June 2024
Construction Start	July 2024
Completion	December 2024

CORPORATE IMPLICATIONS:

Financial Implications:

There is sufficient approved funding within the Public Works & Engineering capital budget for the Bridge Construction identified in this report.

Purchasing Implications

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.

STRATEGIC FOCUS AREA:

This report achieves the Strategic Plan priorities for growth management by improving roadway infrastructure to support growth in the City of Brampton.

CONCLUSION:

This report recommends that the Purchasing Agent be authorized to commence the procurement process for the replacement of culvert on the Heritage Road culvert over Heritage Creek.

Authored by:

Reviewed by:

Borendra Sanyal, P.Eng.
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Sunil Sharma, P.Eng.
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Approved by:

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Commissioner, Public Works and
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- Attachment 1 – Structure Location Map