

City of Mississauga  
**Corporate Report**



<p>Date: August 20, 2021</p> <p>To: Chair and Members of Heritage Advisory Committee</p>	<p>Originator's files:</p>
<p>From: Jodi Robillos, Acting Commissioner of Community Services</p>	<p>Meeting date: September 14, 2021</p>

## Subject

**Request to Alter a Heritage Designated Property: Old Derry Road Bridge (Ward 11)**

## Recommendation

That the request to alter the guiderails on Old Derry Road Bridge, as per the Corporate Report from the Acting Commissioner of Community Services dated August 20, 2021, be approved.

## Executive Summary

- The Old Derry Road Bridge spans the Credit River and is the western entrance to the Meadowvale Village Heritage Conservation District. The bridge is designated under Part V of the *Ontario Heritage Act*.
- The City's Transportation and Works Infrastructure unit is proposing a significant work plan focused on the rehabilitation of the bridge to prolong its active lifespan.
- The proposed work plan is sensitive to the heritage characteristics of the bridge.
- The existing guiderails are mounted directly to the steel trusses of the bridge. The work plan proposes to remove the existing guiderails and replace them with a 4-tube stand-alone guiderail.
- The proposed guiderails will not have an impact on the heritage elements of the bridge and the alteration should be approved.

## Background

The subject property is designated under Part V of the *Ontario Heritage Act* as it forms part of the Meadowvale Village Heritage Conservation District (HCD). Changes to the property are subject to the Meadowvale Village HCD Plan, 2014 and non-substantive alterations do not require a heritage permit. The bridge represents an entry feature into Meadowvale Village. The final work plan from the City's Transportation Infrastructure Department is analysed in the accompanying revised Heritage Impact Assessment (Appendix 1). The work plan proposes

rehabilitation work on the Old Derry Road/Creditview Road Bridge over the Credit River. While the work plan is significant in scope, the result will be minimal impacts to the heritage features of the bridge.

The scope of work is discussed in Section 6.0 of HIA and is broken down as follows:

1. Remove deck asphalt and waterproofing system from deck top and approach slabs;
2. Remove expansion joint assemblies and concrete end dams at the east abutment, replace with new expansion joint assemblies and concrete end dams;
3. Remove existing steel beam guardrails and steel beams spacers from steel arch truss and construct a new guardrail system. A 4-tube railing steel barrier is recommended.
4. Install energy attenuator at the south barrier ends;
5. Remove concrete sidewalk surrounding steel truss members to remove corrosion in steel truss as directed by the contract administrator. Patch repair removed portion of sidewalk around steel truss;
6. Remove delaminated and deteriorated concrete and conduct patch repair and use a sealant on the concrete;
7. Remove deteriorated concrete from abutment walls, bearing seat and wingwall and patch repair;
8. Remove deteriorated concrete from deck soffit and fascia and patch repair;
9. Clean and recoat the entire steel trusses, end floor beams and stringer; and
10. Waterproof deck top and pave deck top and approach slab.

## Comments

The work plan above is sensitive to the heritage attributes of the bridge and will prolong its current active lifespan. The only significant alterations proposed is the removal of the existing steel guiderails, which are mounted directly onto the steel trusses of the bridge, and replace it with a standalone 4-tube steel guiderail. The proposed guiderail will not significantly impact the overall bridge and will be an improvement to the current guiderail directly attached to the bridge support system.

Heritage Planning staff agree with the recommendations set out in the HIA.

## Financial Impact

There are no financial impacts resulting from the Recommendations in this report.

## Conclusion

The City of Mississauga Transportation Infrastructure Department are proposing an extensive work plan for the Old Derry Road Bridge. The majority of the work plan involves the removal of damaged and degrading material from the bridge, replacement with like-for-like materials and

preventative maintenance. The only substantive alteration is the replacement of the existing guiderail with a standalone 4-tube option. The proposed widening will not impact the overall character of the bridge or the village. As such, the proposal should be approved.

## **Attachments**

Appendix 1: Heritage Impact Assessment



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Jodi Robillos, Acting Commissioner of Community Services

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