

MEMORANDUM

To: Paul McMunn
Director of Public Works & Utilities
Town of Smiths Falls

From: Lisa Marshall, P. Eng.
Project Manager
McIntosh Perry Consulting Engineers Ltd.

Cc: Vanessa Bernicky
Environmental Coordinator
Town of Smiths Falls

Date: May 25, 2022

Re: Town of Smiths Falls Municipal Class EA (Schedule B) for Confederation Drive River Crossing Problem/Opportunity Statement and Alternative Solutions
Contract 21-PW-020

McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) has been retained by the Town of Smiths Falls (Town) to provide engineering and consulting services related to the Confederation Drive River Crossing, Schedule 'B' Municipal Class Environmental Assessment (MCEA) and Preliminary Design.

Further to our start-up meeting of December 15, 2021, McIntosh Perry has a general understanding of the issues related to the existing Confederation Drive River Crossing.

Phase 1, Step 1 of the MCEA requires the identification of the problem or opportunity to be addressed through the MCEA study. It is important that a clear statement of the problem or opportunity is developed, which dictates the scope of a project. As an important component of the Schedule B MCEA the Problem/Opportunity Statement will be used for development of Alternative Solutions.

McIntosh Perry proposes the following Problem/Opportunity Statement for consideration by the Town:

Problem/Opportunity Statement:

Confederation Drive River Crossing is in an advanced state of deterioration and has been closed for public use at this time. The existing bridge is also a single-lane with other functional and operational deficiencies. Therefore, the Town of Smiths Falls has the opportunity to identify and evaluate alternative solutions and determine a preferred bridge solution in accordance with the Municipal Class Environmental Assessment Process.

To address the Problem/Opportunity Statement the following Alternative Solutions have been developed, which will be evaluated after appropriate studies and consultation have been completed:

Alternative Solutions:

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| Alternative 1: | Do nothing. |
| Alternative 2: | Remove the existing Confederation Drive River Crossing and provide new turn around areas on either side of the watercourse crossing. |
| Alternative 3: | Rehabilitate the existing Confederation Drive River Crossing to meet engineering and public safety standards, reinstate as a new vehicle crossing and/or pedestrian structure. |
| Alternative 4: | Remove the existing Confederation Drive River Crossing and replace with a new vehicle and/or pedestrian structure. |

The above Problem/Opportunity Statement and Alternative Solutions will be further updated and evaluated following the completion the preliminary investigations.

McIntosh Perry Consulting Engineers Ltd.



Lisa Marshall, P.Eng.
McIntosh Perry Consulting Engineers Ltd.
Project Manger/Manager of Environmental Engineering