Report to Council

Report Title: Bridge 11 (Greenock) Walking Bridge Consideration
Prepared By: Gregory Furtney, Director of Operations
Department: Public Works
Date: May 28, 2019
Report Number: PW2019-25
File Number: C11PW, T11BR
Attachments: None

Recommendation:

That the Council of the Municipality of Brockton hereby receives Report Number PW2019-25, Bridge 11 (Greenock) Walking Bridge Consideration, prepared by Gregory Furtney, Director of Operations and in doing so accepts GM Blue Plan’s report and recommendation and authorizes moving ahead with the removal of Bridge 11 (Greenock).

Report:

Background:

GM BluePlan Engineering Limited (Consultant) has previously provided Brockton Municipal Council and Staff four (4) options relating to Bridge 11. The options are:

1.) Rehabilitate the existing structure;
2.) Replace the existing structure;
3.) Remove the existing structure (Full Removal); and
4.) Do nothing.

At the February 12, 2019 Brockton Council Meeting, staff were directed to review the option of having Bridge 11 remain open only as a walking bridge and to investigate the costs and liability associated with that option.

GM BluePlan will be attending the May 28, 2019 meeting to provide an update on the status of the project, including the Schedule “B” Environmental Assessment Project File Version 3 and Appendix “A” Public Notices and Circulation.

Analysis:

Additional costs would need to be incurred to consider leaving Bridge 11 open as a walking bridge. For instance, another engineering study may be required to determine whether and for how long the condition of
the bridge would support walking traffic. Another EA study would need to be conducted by an engineer to consider the impacts of removing the bridge when it finally reached the end of its life as a walking bridge.

In addition, cul de sacs would be required to be built at each end of the bridge and the Municipality would still be required to have the biannual bridge inspection completed. The surface of the bridge and the structure will require ongoing maintenance. Staff also have liability and safety concerns with respect to the structural stability of the bridge structure as well as safety concerns related to unauthorised motor vehicle traffic.

Bridge 3 (Riversdale) was left open as a walking bridge and road obstacles at each end of the bridge were constantly being removed by area residents to give access to unauthorized small motorized vehicles. Road barriers included 2X4 cement blocks, guardrails, and loads of gravel. Each obstacle was removed partially or completely.

In addition, Bridge 11 (Greenock) may not be suitable for a walking bridge as it is not otherwise connected to an existing trail system. Any such trail system would need to be developed in order to maximize the potential of Bridge 11 (Greenock).

It is still the recommendation of staff and GM Blue Plan Engineering Limited to completely remove Bridge 11.

**Sustainability Checklist:**

What aspect of the Brockton Sustainable Strategic Plan does the content/recommendations in this report help advance?

- Do the recommendations help move the Municipality closer to its Vision? N/A
- Do the recommendations contribute to achieving Cultural Vibrancy? N/A
- Do the recommendations contribute to achieving Economic Prosperity? N/A
- Do the recommendations contribute to Environmental Integrity? N/A
- Do the recommendations contribute to the Social Equity? N/A

**Financial Impacts/Source of Funding:**

- Do the recommendations represent a sound financial investment from a sustainability perspective? No

Cul De Sacs (one at each end) will cost approximately $15,000 to build initially. Annual maintenance will be approximately $2,000. The Bi-Annual Bridge Inspection will cost approximately $1,000 every other year.

The municipality has currently spent approximately $60,000 on Bridge 11 for engineering studies. The cost of an engineer reviewing the condition of Bridge 11 to be used as a walking bridge and an additional EA study in the future would likely cost a similar amount.

**Reviewed By:**

[Signature]

Chief Financial Officer
Respectfully Submitted by:

[Signature]

Gregory Furtney, Director of Operations

Reviewed By:

[Signature]

Chief Administrative Officer