

Report To: Municipality of Arran-Elderslie Council

From: Jennifer Stephens, General Manager/Secretary-Treasurer, Saugeen Conservation

Date: January 16, 2023

Subject: Support for SVCA Paisley Dyke Repair project

Purpose: To request a Council resolution to support SVCA in submitting an application under the WECI funding program, for repairs to the Paisley Flood Control Works dyke.

Recommendation

THAT the Municipality of Arran-Elderslie Council support the remainder of the Paisley Dyke Repair project, proposed by Saugeen Valley Conservation Authority; and

THAT Council supports the Saugeen Valley Conservation Authority in making an application to the Water and Erosion Control Infrastructure funding program for the Paisley Dyke Repair project; and

THAT the Municipality is prepared to pay its share of the project costs, at \$14,828.50 should the project be funded by the Water and Erosion Control Infrastructure Program; and

FURTHER THAT should SVCA be unsuccessful in obtaining funding from the Water and Erosion Control Infrastructure Program, the Municipality is prepared to pay for the project in its entirety at \$29,657.

Report Summary

Due to scheduling of the Teeswater River Bridge Replacement project, repairs of the Paisley dyke will not be completed within the 2022-2023 Water and Erosion Control Infrastructure (WECI) fiscal year; therefore, funding received under this program will lapse prior to completion of the work. SVCA staff seek Council approval to support a new WECI application for the 2023-2024 fiscal year to complete the dyke repair work.

To apply for WECI funding, SVCA staff need a Resolution of Council supporting the project, noting that the Municipality is prepared to pay its share (50%) of the project costs.

Background

A SVCA staff presentation was made on September 27, 2021, to Members of Council regarding the necessary repairs needed along a portion of the Paisley Flood Control Works dyke. With support from Council, SVCA staff applied and were successful in receiving a provincial grant for these dyke improvements under the WECl program.

The WECl program is a cost-share program where the Ministry of Natural Resources and Forestry (MNRF) provides funding for the maintenance of flood and erosion control infrastructure owned or maintained by Conservation Authorities. The WECl program approves eligible projects on a yearly basis, provided that an application is submitted during a short window in January/February; SVCA staff have been informed that the application window is January 23rd, 2023 to February 17th, 2023. In accordance with WECl program guidelines, all approved projects must be completed in the fiscal year (April 1 to March 15) in which they are approved and funded.

The Paisley Dyke Repair project was tendered under the Teeswater River Bridge Replacement to reduce expenses related to insurance, mobilization, scheduling, etc. There are two main components to the Paisley Dyke Repair project:

- 1) Address toe erosion along the bottom of the dyke, upstream of the bridge
- 2) Address elevation changes to the top of the dyke, upstream of the bridge

Under 2022-2023 WECl program, a condition of funding for this project was the completion of a dyke stability assessment by a geotechnical consultant.

On June 21, 2022, SVCA staff attended an on-site meeting for the bridge replacement project, where overall project schedule was discussed. It was noted that the dyke repair work was not scheduled until Summer/Fall 2023 and would therefore not be completed within the 2022-2023 WECl fiscal year. However, SVCA staff contacted the WECl Program Analyst and confirmed that the dyke stability assessment would still be eligible for funding in 2022-2023 if it could be completed by March 2023. Boreholes for the Paisley dyke stability assessment are scheduled for January 16th and 17th, with project completion by March 2023.

Analysis

Under the bridge replacement tender, the following items are related to the proposed Paisley Dyke Repair project:

Item	Tender Amount (no HST)
5-10 Rip rap erosion protection Class 1 for dyke	\$13,836.00
5-11 Armor stones for dyke	\$7,527.00
5-12 Raise dyke elevation	
a) Strip, stockpile and replace topsoil	\$5,058.00
b) Place fill to raise dyke elevation	\$3,236.00
Total:	\$29,657.00

The tendered cost of the project did not include the dyke stability assessment that was a condition of WECl funding.

The remainder of the project work related to toe erosion repairs and elevation changes are scheduled for late summer 2023, based on the current bridge replacement schedule. SVCA staff will need to re-apply for WECl funding for the remaining \$29,657.00, with support from Council. Completion of the dyke stability assessment will strengthen the new WECl application, however there are no guarantees of a successful application.

Financial Impacts/Source of Funding

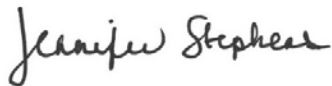
The total cost of the Paisley Dyke Repair project is \$29,657.00. The Municipality would be fully responsible for this expense as they are the benefitting party. Should SVCA staff be successful with a new WECl application, this amount could be reduced by up to 50%. If SVCA staff are unsuccessful, the Municipality would be responsible for the full project expense.

Prepared by:



Elise MacLeod
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Approved by:



Jennifer Stephens
General Manager / Secretary-Treasurer