



Staff Report PW2023-011

Title of Report: PW2023-011 Holstein Dam Sluiceway Rehabilitation Approval
Department: Public Works
Branch: Transportation & Public Safety
Council Date: April 5, 2023

Recommendation:

Be it resolved that Council receive Staff Report PW2023-011 for information; and
That Council approve the Holstein Dam Sluiceway Rehabilitation project to authorize B. M. Ross Engineering and Associates Limited to complete final design and initiate tendering process for works to be completed in 2023; and
That Council approve the Holstein Dam sluiceway rehabilitation project of \$275,000.00; and
That Council authorize the redirection of the savings on the Excavator project and the paving projects, as needed, to fund the shortfall on the Holstein Dam sluiceway rehabilitation project.

Background:

BM Ross Engineering submitted a supplementary report for the Holstein Dam Sluiceway Rehabilitation to the Ministry of Natural Resources and Forestry (MNR) on February 17, 2023.

The proposed work is limited to the first 22 metres of the headrace. A 150 mm diameter pipe will be inserted into the 45- inch diameter pipe prior to grouting the pipe solid, with a control valve. The purpose of the 150 mm diameter pipe is to maintain baseflows to the tailrace, still out letting to the tributary stream. A permit from Saugeen Valley Conservation Authority (SVCA) was included in the package submission for the proposed works.

BM Ross received comment back from MNR on March 6, 2023 that the application will not require a Lakes and River Improvement Act (LIRA) approval, as the work does not require modification of the earth embankment. Correspondence was received from the Department of Fisheries and Oceans (DFO) on March 7, 2023, providing comment on the application for approval, including working within the timing window to protect fish, no in-water work between October 1st and July 15th, fish salvage if required and contingency plans for sediment control, refuelling machinery and spill response.

Staff Comments:

With receiving comments and feedback from the above agencies, acknowledges the Holstein Dam sluiceway rehabilitation work plan endorsement to be initiated.

BM Ross Engineering will finalize the design and tender documents for release for the in-water works to be completed between July 15th and September 30th 2023. The design will include a new catwalk platform for valve turning control and operations, with restricted access. After completion of the works, the sheet pile coffer dam will be removed.

As a result, there is a shortfall in the funding for the project as the 2023 Budget only anticipated costs of \$50,000.

On February 15, 2023, Council received Staff Report PW2023-007 Insurance Excavator Replacement Offer and authorized the purchase of a replacement excavator at a cost no greater than \$176,000 plus HST. Staff have completed the purchase of the excavator for \$176,000 plus HST and received confirmation that insurance proceeds will cover the cost less the \$10,000 deductible. As a result, the surplus of \$120,000 (\$135,000 less \$10,000 deductible and \$5,000 for modifications) is available to be redirected.

Also, the cost of paving has come in lower than budget. Staff had considered redirecting the saving to allow for base asphalt on SDR 11. Staff will be meeting with the County in early May to continue discussing the timeline of when/if ownership of SDR 11 will shift to the County.

Staff recommend that Council authorize the redirection of the savings on the Excavator project and the paving projects, as needed, to fund the shortfall on the Holstein Dam sluiceway rehabilitation project.

Staff have also determined that other possible funding options are:

- 1) Use of the tax stabilization reserve – winter maintenance. Funds were raised from taxation for operations. 2023 Budgeted ending is \$344,436.08.
- 2) Cut another existing Roads Capital project that anticipated the use of taxation and redirect the funds
- 3) Use of the tax stabilization reserve – general

Financial Implications:

The 2023 Budget contained \$50,000 for the Holstein Dam project, funded from taxation. BM Ross have provided an estimated budget for the dam sluiceway works of construction costs of \$250,000.00. Engineering for final design, tendering and contract administration is \$25,000.00, totalling \$275,000.00 plus HST. In addition to the BM Ross costs, costs will also be incurred for Weatherall Dock & Dredge system estimated to be up to \$50,000.

Staff recommend that savings on the Excavator project and the paving projects, as needed, be redirected to fund the shortfall on the Holstein Dam sluiceway rehabilitation project.

Alternatively, the other funding options are:

- 1) Use of the tax stabilization reserve – winter maintenance. Funds were raised from taxation for operations. 2023 Budgeted ending is \$344,436.08. Use for this project would leave \$69,436 in the reserve and halt further reductions in the amount raised for winter maintenance since this reserve would need to be replenished.
- 2) Cut another existing Roads Capital project that anticipated the use of taxation and redirect the funds. This option would increase the infrastructure funding gap and need an increase in taxation going forward.
- 1) Use of the tax stabilization reserve – general. The tax stabilization reserve has a 2023 budgeted ending of \$329,757.28. Use for this project would leave only \$54,757.28 in the reserve.

Communications & Community Action Plan Impact:

Goal 5 - Upgrading our "Hard Services"

Action 5:

The residents and businesses of Southgate recognize our linear services - roads, bridges, water and sewer works, for example - to be a fundamental purpose of municipal government. This infrastructure needs to be serviceable and sustainable so that our businesses and communities can thrive and grow.

Concluding Comments:

Staff recommends that Council receive Staff Report PW2023-011 for information, and that Council approve the Holstein Dam Sluiceway Rehabilitation project to authorize B. M. Ross Engineering and Associates Limited to complete the final design and initiate tendering process for works to be completed in 2023, and that Council authorize the redirection of the savings on the Excavator project and the paving projects, as needed, to fund the shortfall on the Holstein Dam sluiceway rehabilitation project.

Respectfully Submitted,

Dept. Head: *Original Signed By*
Jim Ellis, Public Works Manager

Treasurer Approval: *Original Signed By*
William Gott, CPA, CA Treasurer

CAO Approval: *Original Signed By*
Dina Lundy, CAO

Attachments: None