

**Subject:** Sulphur Springs Slope Stability Design-Build Tender Results

**Recommendation:**

**BE IT RESOLVED THAT Council receive Report #2023-0220-Public Works – Sulphur Springs Slope Stability Design-Build Tender Results, for information;**

**AND THAT Council approve the cancellation of the Sulphur Springs Slope Stability Design-Build project;**

**AND THAT Council authorizes Staff to prepare a Request for Proposal for engineering services to prepare geotechnical engineering investigations and provide slope stability designs for the four (4) failing embankments identified in this report.**

**Background:**

During the 2023 budget presentation Staff presented a capital project RD 17-23 to investigate slope failures at a site located on Sulphur Springs Road approximately 500m south of Roland Road and a site located on Centre Street just north of Rolland Road. The project's purpose was to retain an engineering consultant to undertake geotechnical investigations, review the failures, prepare detailed slope stability designs, and prioritize the embankments' reconstruction based on the failures' severity.

Council directed staff to proceed with a design-build project to address slope stability issues on Sulphur Spring Drive exclusively. The project was approved in the 2023 Capital Budget in the amount of \$250,000.

This report serves to provide an update to the project based on the results of the design-build RFP process and seek direction from Council on moving forward with the project.

**Analysis:**

When staff proposed the slope stability design project, the intention was to have only engineering work take place in 2023 that would prioritize the embankment

repairs based on severity and allow the Town to repair the embankments over the coming years as budget permits. At the time of the 2023 budget presentation staff had identified two locations:

- (1) Sulphur Springs Road (approximately 500 m south of Roland Road); and
- (2) Centre Street (approximately 100 m north of Roland).

During the 2023 budget deliberations Council directed staff to initiate an RFP for a design-build project for the Sulphur Springs Road slope repair project. The project was tendered on July 17, 2023, and closed on August 22, 2023. There was one submission that was received by the Town. The bid that was received by the Town exceeds the budget amount approved in the 2023 Capital Budget by \$137,000.

Since the 2023 budget presentation and approval staff have identified two (2) additional locations that are experiencing slope stability issues. The two additional areas include

- (1) Spencer Lane (which is adjacent to Marlene Stewart Streit Park); and
- (2) a failure on River Road located approximately 600 m east of Cream Street.

The four failures that staff have now identified as needing rehabilitation are on Sulphur Spring Drive, Spencer Lane, Centre Street, and River Road. (See Appendix A for a map showing the identified slope failure locations).

It is the recommendation of staff to cancel the Sulphur Springs Design-Build project and initiate a new RFP to undertake a geotechnical engineering analysis at the following failure locations:

- (1) Sulphur Springs Drive;
- (2) Spencer Lane;
- (3) Centre Street; and
- (4) River Road.

This assignment will assist staff in prioritizing the failure locations and preparing rehabilitation projects to be included for Council's consideration in future capital budgets.

### **Financial Considerations:**

No financial considerations are associated with the recommendation in this report because the prior approved budget for capital project RD 17-23 will be the funding source for the initial engineering studies.

**Alternatives Reviewed:**

Council may direct staff to award the design-build RFP for the Sulphur Springs Road failure and continue forward with that project. Staff do not favor this approach since Council will be required to provide additional funding for the project in the amount of \$137,000 (plus net HST). In addition, staff will be required to include further engineering studies and investigations at the other locations identified above to address the failures at those sites.

**Strategic Plan Relationship: Infrastructure Investment and Renewal**

The Town's infrastructure benefits from the timely replacement of our aging infrastructure and is critical to ensuring the Town maintains a safe and efficient transportation network.

**Consultation:**

Consultation was undertaken with the Treasurer and Director of Corporate Services in the preparation of this report.

**Other Pertinent Reports/Attachments:**

Appendix A – Maps indicating identified slope failure locations.

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