

MEMBERS

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Pages

6. NEW BUSINESS STAFF REPORTS

6.7 CONTRACT OVER \$100,000: CONSTRUCTION TENDER FOR THE ISLAND LAKE SOUTH DAM – PHASE TWO

2

A report on the above mentioned subject as submitted by Jeff Wong, Sr. Engineer, Water Operations; John Sinnige, Associate Director, Watershed Management; and Jeff Payne, Deputy CAO and Director, Corporate Services is included in the agenda package as Schedule 'G'.

Recommended Resolution:

WHEREAS the 2016 dam safety review identified deficiencies under the Lakes and River Improvement Act; and

WHEREAS the deficiencies were addressed through improvements designed by our Engineering Consultant, KGS, to bring the south dam up to current provincial standards

THEREFORE BE IT RESOLVED THAT the report entitled “Contract Over \$100,000: Construction Tender For The Island Lake South Dam – Phase Two” be received and appended as Schedule ‘G’ to the minutes of this meeting; and

THAT CVC staff be directed to award the contract to Bronte Construction to undertake the outlet improvement and stabilization works for the Island Lake south dam within a budget of \$720,096 (including HST); and further

THAT a contingency of 10% be set side.

TO: The Chair and Members
of the Board of Directors,
Credit Valley Conservation

SUBJECT: **CONTRACT OVER \$100,000: CONSTRUCTION TENDER
FOR THE ISLAND LAKE SOUTH DAM – PHASE TWO**

PURPOSE: **To request approval by the Board of Directors of CVC for staff
to award a construction contract to improve the stability of
the retaining structures at the Island Lake south dam**

BACKGROUND:

In 2016 KGS Group Consulting Engineers (KGS) completed the Island Lake North and South Dam Safety Review. It was determined that the spillway and the retaining walls for the south dam east and west embankment did not meet the stability requirements under the *Lakes and River Improvement Act* (LRIA).

Credit Valley Conservation (CVC) in 2016 retained KGS to investigate options and to design an implementation plan for the repair works to address the south dam retaining wall deficiencies. The proposed works will ensure that the south dam will meet current provincial requirements under the *Lakes and Rivers Improvement Act*. KGS recommended the most effective solution.

The Island Lake south dam phase one outlet improvement and wall stabilization works were successfully completed in 2017 (Resolution #96/16) under the supervision of KGS.

A tender package was provided by KGS for the phase two implementation works to solicit bids from construction firms which is the subject of this report.

ANALYSIS:

On August 20, 2019 a request for proposal (RFP) was posted publicly on Biddingo.com to solicit bids from construction firms for the proposed works (Table 1 for RFP bid statistics). RFP documents included the design drawings and specifications provided by KGS.

Table 1: RFP Statistics

Number of Contractors viewed RFP from Biddingo.com	39
Number of Contractors downloaded full RFP	28
Number of Contractors attended site-meeting	5
Number of Quotes received	3

CVC received three quotes. The three contractors that submitted quotes all met the RFP minimum requirements. A review of the methodology proposed by the lowest bidder was performed by KGS Ltd. (our consultant retained to provide engineering services and construction supervision) and was found to be consistent with the RFP. Of the three quotes received, the prices ranged from \$638,021 to \$1,511,000 (see Table 2).

Table 2: Contractor Quotes

#	Contractor Name	Cost
1	Advanced Construction Technologies Ltd	1,511,000
2	Bronte Construction	638,021
3	MTM-2 Contracting Inc	1,179,850

Bronte Construction, was selected as the successful bidder for this contract having met the terms of the RFP and being the lowest bidder.

COMMUNICATIONS PLAN:

This project is partially funded under the Water and Erosion Control Infrastructure (WECI) program from the Ministry of Natural Resources and Forestry (MNR). Under the WECI agreement with the province, the conservation authority is required to report to the Senior Program Advisor in the Program Services Section of the MNR Integration Branch on the status of this project by the end of the provincial fiscal year (March 31, 2020).

Notification on the start date of the construction to the MNR Midhurst District office is required as a condition in the permit issued under the *Lakes and Improvement Act* and the *Public Lands Act*.

Based on the scale and scope of this project, notification to the Ministry of Labour is also required.

FINANCIAL IMPLICATIONS:

It is recommended that Bronte Construction be awarded the contract in the amount of \$638,021, exclusive of applicable taxes (see Table 3 below). Matching funds from the Ministry of Natural Resources and Forestry's Water and Erosion Control Infrastructure (WECI) fund have been received. There are sufficient funds available in the Watershed Management budget, account #401-456.

Table 3: Contract Price

Contract Cost	\$638,021
HST	\$82,943
Contingency at 10%	\$72,096
Total	\$793,060

WECI funding will provide up to 50% of the cost. However, all works must be completed prior to March 31, 2020. Unspent portions of the provincial grant following March 31, 2020 will have to be returned back to the province. Future funds are not guaranteed as applications are subjected to a ranking and scoring process amongst other projects purposed by all the conservation authorities across Ontario.

CONCLUSION:

Funding support from the MNRF WECI program has allowed this project to proceed.

CVC staff is requesting Board approval to award a contract in the amount of \$638,021 to Bronte Construction for the Island Lake south dam phase two outlet improvement and retaining wall stabilization.

RECOMMENDED RESOLUTION:

WHEREAS the 2016 dam safety review identified deficiencies under the Lakes and River Improvement Act; and

WHEREAS the deficiencies were addressed through improvements designed by our Engineering Consultant, KGS, to bring the south dam up to current provincial standards

THEREFORE BE IT RESOLVED THAT the report entitled "Contract Over \$100,000: Construction Tender For The Island Lake South Dam – Phase Two" be received and appended as Schedule 'G' to the minutes of this meeting; and

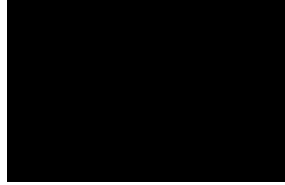
THAT CVC staff be directed to award the contract to Bronte Construction to undertake the outlet improvement and stabilization works for the Island Lake south dam within a budget of \$720,096 (including HST); and further

THAT a contingency of 10% be set side.

Submitted by:



Jeff Wong
Senior Water Operations Engineer

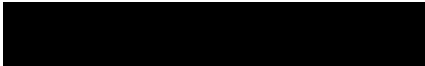


John Sinnige
Associate Director - Watershed
Management



Jeff Payne
Director, Corporate Services

Recommended by:



Deborah Martin-Downs
Chief Administrative Officer