

Grand River Conservation Authority

Report number: GM-06-22-56

Date: June 24, 2022

To: Members of the Grand River Conservation Authority

Subject: Conestogo Dam Bridge Deck Rehabilitation - DR22.027 Tender Award

Recommendation:

THAT the Grand River Conservation Authority award the tender for the Conestogo Dam Bridge Deck Rehabilitation project to HugoMB Contracting Incorporated for the amount of \$815,201 (including HST).

THAT AECOM Canada Limited be retained to oversee the Contract Administration and Quality Assurance for the Conestogo Dam Bridge Deck Rehabilitation project for the amount of \$93,485 (including HST).

Summary:

A construction tender for project DR 22.027 Conestogo Dam – Bridge Deck Rehabilitation was publicly advertised. The GRCA received and opened two (2) tender bids on June 2, 2022 and recommends award of the contract to HugoMB Contracting Incorporated as the low bidder. Both bids met all of the submission requirements.

Report:

The GRCA manages a large portfolio of water control structures. Annual inspections are performed at the structures and repair work is identified; then planned and prioritized as part of the 5 year budget forecasts. Concrete repairs have been identified to address deterioration on the upstream and downstream portions of Conestogo Dam along with the bridge deck. The strategy for concrete repairs at Conestogo Dam was developed by engineering consultant, AECOM Canada Limited (AECOM), through consultation with GRCA staff. The downstream repairs were completed in three phases which took place between 2019 and 2021. The work is now moving to the road deck in 2022 with the upstream portions of the dam to be worked on in the years to come.

All the property across the extent of the dam and the embankments is owned by the GRCA and includes a portion of Wellington County Road 11. The County carried out resurfacing of the road across the dam in 2021, however bridge deck work is the responsibility of the GRCA which was last rehabilitated in about 1988. Formal condition assessments are carried out on the bridge structure every two years and the most recent one identified the need for the current rehabilitation which is within time range of an expected maintenance cycle. The project will include rehabilitation of all bridge components including waterproofing, paving, concrete repairs, expansion joint replacement, and the repaving of the dam parking area.

The project tender was publicly advertised on the GRCA website along with the Bidding website. The initial tender was advertised in April and received no bidders. GRCA and AECOM reviewed the tender and extended the allowable construction period from mid

July to October. The project was re-advertised and closed on June 2nd with two bids received as identified in Table 1.

The tender opening was carried out at the GRCA office by Gus Rungis and Katelyn Lynch, Senior Engineers, Dwight Boyd, Pippy Warburton, Director of Water Management, and Sonja Radoja, Manager of Corporate Services. Engineering consultants Trevor Scott and Leah Bourque of AECOM also attended the opening virtually via Team video conference. The tender cost results are summarized in Table 1.

Table 1 – Tender Results

Contractor	Amount (Including HST)
Marbridge Construction Ltd.	\$987,281
HugoMB Contracting Inc.	\$815,201

The tenders were reviewed by GRCA staff and AECOM. AECOM developed the design and tender for the project and is recommended to act on behalf of the GRCA as contract administrators for the project. Both bids met submission requirements and have previously carried out successful phases of work on the dam. The low tender bid was approximately \$125,000 over the engineering pre-estimate value and project budget. The rationale for the higher costs include labour shortages in a busy construction year, and recent inflation in material costs. The project is recommended to advance regardless of the increased costs as these are not expected to reduce in the future and this work is required. The award of the tender is recommended to go to HugoMB Contracting Incorporated as the lowest bid and meeting all tender requirements including suitable experience on large projects.

Financial Implications:

The funding for this project has been included in the Water Control Structures maintenance budgets and 50% grant funding has been received under the provincial Water and Erosion Control Infrastructure (WECI) program. The tender price overage will be offset by deferring planned gate maintenance at the dam, which cannot be completed due to conflicting schedules of work at the site.

Other department considerations:

The Conestogo Dam road deck repair will result in the need for closure Wellington County Road 11 across the top of Conestogo Dam. A 10 week road closure will be required within the work period from mid-July to the end of October and a detour route has been planned. Service disruption notifications will be communicated to registered campers at Conestogo Lake Conservation Area and cottagers at Conestogo Lake, and a general notice will be posted on the GRCA website.

Prepared by:

Gus Rungis, P.Eng
Senior Engineer

Approved by:

Pippy-Ruth Warburton P.Eng.
Director of Water Management