

INFRASTRUCTURE SERVICES

Staff Report

REPORT NO: IS-2023-14

TO: Council

SUBMITTED BY: Jeff Molenhuis, P. Eng., Director of Infrastructure Services

PREPARED BY: Ken VanderWal, P.Eng. Manager of Engineering

REVIEWED BY: Sharon Chambers, CAO

DATE: May 29, 2023

SUBJECT: Award of Contract – Lisbon Road Culvert Replacement

RECOMMENDATION:

THAT Council award RFT 2023-03 to Ron Van Manen Trucking Inc. of Norwich, Ontario as per their tender submitted Thursday April 27th 2023 in the amount of \$181,736.64; and further,

THAT Ontario Community Infrastructure Fund (OCIF) funding, in the amount of \$185,000.00 be re-allocated from the Casselholme Crescent Reconstruction project savings towards the replacement of a 900mm culvert on Lisbon Road.

SUMMARY:

The Lisbon Road culvert is a 900mm diameter Corrugated Steel Pipe (CSP) initially was identified in late 2022 and in-house designed in 2023 before being tendered in early April. This structure is under the Ontario Structure Inspection Manual (OSIM) size requirements for review. Only recently these types of assets were identified in the asset registry after field review, and due to the volume staff were staging condition inspections. With road culverts like this, repairs or replacement work can range from \$10,000 to \$200,000 depending on size, depth, road, location, and other factors.

With this smaller culvert only recently being identified, the asset represents a new addition within our centralized asset management registry. The condition of the culvert is very poor, with an outlet collapse and eroded embankment. Infrastructure Services staff investigated the culvert in early 2023 and found it was in need of emergency replacement in order to avoid an entire culvert failure, similar to what occurred previously on Christner Road in the winter of 2021.

BACKGROUND:

The Lisbon Road culvert is a 900mm diameter CSP located downstream of Culvert 3C-T1 per the Townships OSIM reports. The larger structure, Culvert 3C-T, was included within the Council approved 2023 Capital Program. Subsequent to the budget, the smaller 900mm diameter culvert was found to have failed at its outlet, and as such the repair is required in 2023 to this structure.

Engineering Staff will work in collaboration with the budget and finance team, as part of the 2024 budget, to address the non-OSIM sized culvert priorities. Staff may look to utilize cost savings derived from culvert capital projects in 2023, to provide requisite funding for smaller culvert maintenance in 2024. Infrastructure Services Staff are presently working with a consultant to continue OSIM reports and prioritize the works required.

REPORT:

On April 6, 2023, the tender document for Bid number 2023-03 was made available online through the Township's e-bidding site. There were a total of twenty-four (24) plan takers including suppliers, with a total of seven (10) bids received at time of close on April 27, 2023.

The lowest bid received was from Ron Van Manen Trucking Inc, Ont. at a cost of \$181,736.24, plus HST. The low bidder has provided the appropriate bid bond documentation. References have been checked by Township Staff and appear to be satisfactory. Results of the bids received are summarized below:

Bidder	Location	Bid Amount
Ron Van Manen Trucking Inc	Norwich	\$181,736.64
Roubos Farm Service Ltd.	Moorefield	\$182,471.00
Robert M Simon Construction Ltd	Waterford	\$187,616.20
VanDriel Excavating Inc.	Clinton	\$196,152.64
Kieswetter Excavating Inc.	St. Clements	\$207,400.00
2545224 Ontario Ltd. O/A T. Musselman Excavating Limited	Petersburg	\$219,854.00
J-AAR Excavating Limited	London	\$224,761.91
Lancoa Contracting Inc.	Caledon	\$227,004.00
Cox Construction Limited	Guelph	\$262,991.91
Buildscapes Construction Ltd.	Toronto	\$295,664.41

AVERAGE BID		\$ 218,565.27
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The above figures do not include HST. The bids include provisional items for the contract ranging from \$12,050 to \$37,305 as well as a stipulated \$20,000 contingency.

The tendered costs are in line with staff construction estimates totaling \$184,935.20 (net of HST rebate). Staff are therefore recommending this project be awarded to the low bidder from Ron Van Manen Trucking Inc.

ALIGNMENT WITH THE TOWNSHIP OF WILMOT STRATEGIC PLAN:

This initiative supports the goals and strategies of enhancing:

- Quality of Life through Active Transportation and Transit investments; and
- Responsible Governance through Active Communications, Fiscal Responsibility and Infrastructure Investments.

FINANCIAL CONSIDERATIONS:

The 2022 and 2023 capital budget included funding towards the engineering design and replacement of Culvert 3C-T1 as outlined below.

	2022	2023	Total
Ontario Community Infrastructure Fund	\$45,000	\$180,000	\$225,000
Development Charges-Infrastructure Services		\$20,000	\$20,000
Total Estimated Project Cost	\$45,000	\$200,000	\$245,000

Staff are recommending that this funding allocation remain in-place for the original scope of work to be tendered for Culvert 3C-T1 later in 2023.

The unbudgeted, emergency replacement of the smaller 900mm culvert is recommended to be funded via savings from the previously approved capital works on Casselholme Crescent. As noted in Report IS 2023-11, tender results generated significant savings on this project, which resulted in approximately \$191,000 in surplus funding from the Ontario Community Infrastructure Fund (OCIF), which was previously committed to Casselholme Crescent.

As such, staff are seeking Council endorsement to redirect \$185,000 of these OCIF funds to the unanticipated works on this Lisbon Road Culvert.

ATTACHMENTS:

None