

To: Warden and Members of County Council

From: Director of Public Works

Contract Award – Oxford Road 15 (Parkinson Road) Bridge Rehabilitation, Left Turn Lane & Pedestrian Crossing

RECOMMENDATIONS

- 1. That Oxford County Council award a contract to the low bidder, Urbanlink Civil Ltd., in the amount of \$1,101,301 (excluding HST) for the Rehabilitation of Bridge No. 15083 on Oxford Road 15, construction of a left-turn lane and pedestrian crossing;**
- 2. And further, that Oxford County Council authorize the Chief Administrative Officer and Director of Public Works to sign all documents related thereto.**

REPORT HIGHLIGHTS

- The purpose of this report is to obtain County Council approval to award a contract for the above-noted project to Urbanlink Civil Ltd. in accordance with the County Purchasing Policy.
- The proposed bridge rehabilitation, left-turn lane and pedestrian crossing are recommended to improve safety and operations for all transportation end users, including drivers, cyclists and pedestrians.
- This project is anticipated to start in June 2021 and is targeted for completion by October 2021.

Implementation Points

Upon Council approval, a contract will be executed with the low bidder, Urbanlink Civil Ltd., prior to proceeding with the work.

As there are no road closures or detours planned during this construction, traffic will be maintained through lane restrictions. This project is anticipated to start in June 2021 and targeted for completion by October 2021.

Financial Impact

This work was planned for in the 2021 Business Plan and Budget, and the low bid amount is within budget. The construction costs and funding sources for this project are summarized in Table 1 below.

Table 1: Funding Summary for *Oxford Road 15 (Parkinson Road) Bridge 15083 Rehabilitation, Left Turn Lane & Pedestrian Crossing*

2021 Budget Summary Account / Description	Available 2021 Budget	Bid Amount (excluding HST)
930200 – Bridges & Culverts (Approved Budget: \$6,957,500) (Less other projects: \$5,357,500)	\$1,600,000	\$957,595
930015 – Oxford Road 15	\$120,000	\$118,706
930076 – Pedestrian Crossings	\$300,000	\$25,000
Subtotal	\$2,020,000	\$1,101,301
Estimated Contract Administration; Inspection & Materials Testing		\$50,000
Non-Refundable HST (1.76%)		\$19,383
TOTAL ESTIMATED CONSTRUCTION EXPENDITURES		\$1,170,684

Communications

The communication strategy for this project will be similar to other County construction projects. The Contractor’s project manager and the County’s project manager will form an open channel of communication and will include other members of the project team as needed. These communications will commence upon approval of this report and will continue for the duration of the project.







Oxford County staff have had communication with City of Woodstock staff with respect to the scope of work and planned schedule, and further communication is planned prior to and throughout construction. A Notice of Construction letter will be delivered to nearby property owners and construction signage will be posted at the project location to alert the general public in advance.

As construction begins, residents will be informed about traffic control and construction progress through a dedicated webpage focusing on the several projects starting in Woodstock in 2021 as well as through social media. Throughout the duration of construction, two lanes of traffic (2 x 3.1 m wide lanes) will be maintained. If needed, expanded advertising may be also be considered.

This project has been included for a portion of the Federal Gas Tax funding available. As part of the requirements of this type of funding, mandatory communication activities and promotion are required to help the public recognize the importance of infrastructure funding and its impact to their community; this includes project-appropriate information signs be installed within the project sites, additional advertisement on the County website and social media campaigns.

Staff will continue to work with key internal stakeholders (County Management staff, Transportation staff, Waste Management staff, and Water/Wastewater staff) and external stakeholders during the execution of this project as required to ensure the appropriate level of communication and outreach is maintained, and further ensuring all parties involved are updated on project status and outcomes as needed.

Strategic Plan (2020-2022)

					
WORKS WELL TOGETHER	WELL CONNECTED	SHAPES THE FUTURE	INFORMS & ENGAGES	PERFORMS & DELIVERS	POSITIVE IMPACT
1.i.	2.i.	3.iii.			

DISCUSSION

Background

15083 Bridge Rehabilitation

The Parkinson Road bridge is a single-span, 21 metre-long, precast concrete girder bridge, constructed in 1973. The bridge deck has an overall width of 17.7 m and provides a roadway width of 14 m between concrete curbs that accommodates two lanes of vehicular traffic and two bike lanes. The width of the bridge deck will allow the construction work to be staged, avoiding lane closures and detours. The vehicular lane assignments will remain unchanged as a result of the proposed rehabilitation.

Inspection of the County’s bridges and culverts are required every two years in accordance with the *Ministry of Transportation - Ontario Structure Inspection Manual (OSIM)*. As part of the 2018 Municipal Bridge Inspection Report, R.J. Burnside and Associates Limited evaluated Bridge No. 15083 and this bridge was identified as a top-priority structure to be rehabilitated. Based on the OSIM bridge inspection, the following rehabilitation work was recommended:

- Remove expansion joints and replace with semi-integral abutment system;
- Overlay, waterproof and pave the exposed concrete deck;
- Concrete repairs as required to the deck, superstructure and substructure; and
- Steel repairs to deck drainage.

In 2019, County staff retained a consulting engineering firm (DM Wills) to carry out a detailed site inspection to assess the current condition of the bridge and undertake detailed design to address the bridge repair requirements.

The current construction assignment (contract) will address the above-noted rehabilitation requirements. It is expected that the proposed work will extend the service life of the bridge and reduce the need for a major intervention for approximately 30 years. Minor maintenance and new asphalt wearing course may be required after 15 years.

Within the City of Woodstock, Oxford Road 15 has been identified as a primary bike route in the City of Woodstock Cycling Master Plan. The finished right-of-way will have appropriate road surface pavement markings and traffic signage to identify this as a cycling route.

Left Turn Lane & Pedestrian Crossing

A new apartment complex (to be located on Ferguson Drive) is anticipated to increase traffic and pedestrian volumes at the intersection of Parkinson Road and Ferguson Drive. In 2018, a traffic impact study completed by Paradigm Transportation Solutions Limited submitted for this development identified the need for a westbound left-turn lane to be constructed on Parkinson Road, based on existing traffic volumes. The new westbound left-turn lane will improve traffic flows along Parkinson Road.

Furthermore, Green Light Consulting undertook a pedestrian control study at the intersection in 2019, where it was identified that the implementation of a level 2 Type B Pedestrian Crossover is warranted.

A map identifying the project site location is included as Attachment 1 to this report.

Comments

Based on its current asset condition, Bridge No. 15083 was prioritized for rehabilitation in order to extend its useful service life. If the bridge rehabilitation is not completed, the condition will continue to degrade to the point where the bridge is considered structurally deficient and/or unsafe to use. Failure to complete the structure rehabilitation will increase the risk of structure failure, load restrictions and/or road closure.

This project has the potential risks that would be associated with any construction project. Construction bonds and insurance were required by the successful contractor to mitigate risks related to the exposure of financial loss.

County staff received the following three bids at tender close on Wednesday, March 17, 2021.

Table 2: Summary of Bid Submissions

Contractor	Bid Amount (HST Excluded)
1. Urbanlink Civil Ltd.	\$1,101,301
2. Clearwater Structures Inc.	\$1,141,529
3. Sierra Bridge Inc.	\$1,204,460

Staff have reviewed the submissions and confirmed that the low bid received from Urbanlink Civil Ltd. in the amount of \$1,101,301 (excluding HST) represents good value for the work.

Since tender close, County staff have reached out to three other Ontario municipalities that have previously entered into construction contracts with Urbanlink Civil Ltd. for work-related references and positive feedback was received.

Conclusions

Staff have reviewed the submissions and confirmed that the low bid received from Urbanlink Civil Ltd., in the amount of \$1,101,301 (excluding HST), represents good value for work.

SIGNATURES

Report Author:

Original signed by

Reuben Davis, P.Eng.
Supervisor of Engineering Services

Departmental Approval:

Original signed by

David Simpson, P.Eng., PMP
Director of Public Works

Approved for submission:

Original signed by

Michael Duben, B.A., LL.B.
Chief Administrative Officer

ATTACHMENT

Attachment 1: Project Site Map, March 23, 2021