

To: Warden and Members of County Council

From: Director of Public Works

Contract Award – Oxford Road 9 (Ingersoll Road) Phase 1 Reconstruction & Bridge 9342 Rehabilitation, Woodstock

RECOMMENDATIONS

1. That Oxford County Council award a contract to the low bidder, J-AAR Excavating Limited, in the amount of \$2,358,865 (excluding HST) for the Phase 1 reconstruction of Oxford Road 9 (Ingersoll Road – from Dundas Street to Main Street) and rehabilitation of Bridge No. 9342 in Woodstock;
2. And further, that Oxford County Council authorize the Chief Administrative Officer and Director of Public Works to sign all documents related hereto.

REPORT HIGHLIGHTS

- The purpose of this report is to obtain County Council approval to award the above-noted project to J-AAR Excavating Limited in accordance with the County Purchasing Policy.
- The proposed road reconstruction, lane reduction to a three-lane configuration and upgrades will improve overall traffic and safety operations for all transportation end-users, including drivers, cyclists and pedestrians.
- The proposed Phase 1 capital works are planned to be completed in the 2021 construction season with all road, storm sewer, sanitary sewer and watermain improvements to be harmonized into one integrated project in order to minimize the extent of road travel disruption to the community and maximize cost efficiencies via project bundling.
- The project is anticipated to begin in July 2021 and be completed by November 2021.

Implementation Points

Upon Council approval, a Phase 1 construction contract will be executed with the low bidder, J-AAR Excavating Limited, prior to proceeding with the work.

Oxford Road 9 will be closed from Dundas Street to Main Street during construction in order to accommodate the planned Phase 1 works. A planned detour via Park Row and Mill Street will be utilized to manage traffic and also afford continued access for emergency response vehicles. Regulatory authorities and emergency services will receive advanced notice through Oxford County road closure notifications.

County Staff will continue to move forward with Phase 2 design work throughout the duration of 2021 (Phase 2 construction planned for 2022). Surface asphalt within Phase 1 limits will be completed in 2022 during the Phase 2 construction.

Financial Impact

Phase 1 road works were planned for in the 2021 Business Plan and Budget, and the low bid amount is within budget. The Phase 1 construction costs and overall project funding sources are summarized in Table 1 below.

Table 1: Funding Summary for Oxford Road 9 (Ingersoll Road) Reconstruction & Bridge 9342 Rehabilitation

2021 Budget Summary Account / Description	Available 2021 Budget	Phase 1 Bid Amount (excluding HST)
930009 – Oxford Road 9	\$2,297,188	\$917,063
930200 – Bridges & Culverts (Approved budget: \$6,957,500) (Less other projects: \$5,957,500)	1,000,000	811,428
930198 – Urban Storm Sewer (Approved budget: \$1,265,000) (Less other projects: \$1,210,000)	55,000	53,850
950174 – Woodstock Wastewater Linear County Roads Projects (Approved budget: \$1,400,000) (Less other projects: \$1,060,000)	340,000	206,272
960153 – Woodstock Water Linear County Roads Projects (Approved budget: \$1,390,000) (Less other projects: \$1,015,000)	375,000	370,252
Subtotal	\$4,067,188	\$2,358,865
Estimated Contract Administration; Inspection & Materials Testing		100,000
Non-Refundable HST (1.76%)		41,516
TOTAL ESTIMATED CONSTRUCTION EXPENDITURES		\$2,500,381

With respect to account 930009, the funds not needed to complete the Phase 1 construction will be carried forward to 2022 for planned Phase 2 road works as part of the 2022 budget process.

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 has communicated 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. Additionally, County Public Works staff and City of Woodstock Engineering and Operations staff meet on a quarterly basis to discuss capital projects, operational and development-related issues. This Ingersoll Road reconstruction project has been discussed at these meetings. Furthermore, as part of the County's detailed design process, the City has actively participated in each design review meeting.

A Notice of Construction letter will be delivered to nearby property owners and business owners, along with the posting of construction signage at the project location in advance to alert the general public. Through social media notifications and a dedicated project web page, residents and businesses will be informed about project scope, timelines, road closures and progress. Expanded advertising may also be considered as required.

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.	4.ii.		

DISCUSSION

Background

Oxford Road 9 (Ingersoll Road) is a four-lane cross section urban arterial road located within the City of Woodstock. It experiences an annual average daily traffic (AADT) volume of about 5,000 to 10,000 vehicles. The 2020 *Road Needs Study* undertaken by Golders Associates identified Oxford Road 9 as having a Pavement Condition Index (PCI) ranging from 45 to 57 (poor to fair condition), and recommended Oxford Road 9 undergo rehabilitation within the next year.

The full road re-construction limits on Oxford Road 9 (Phases 1 & 2) will extend from Dundas Street to approximately 200 m southwest of Anderson Street. The original work schedule was to undertake all construction work within the 2021 construction season; however, as the design and planning progressed to include replacement of underground infrastructure, it was decided to phase the work over two years to allow Contractors adequate time to schedule and complete each phase in a construction season. Phase 1 construction will be initiated this summer on Oxford Road 9 from Dundas Street to the CN Railway just south of Main Street (about 450 m). The design for Phase 2 will be completed this year with construction planned for 2022. Surface asphalt (topcoat) within the Phase 1 limits will be planned for 2022 as Phase 2 construction works are nearing completion.

Upon completion of the entire project (Phase 1 & Phase 2) by the end of 2022, the existing road cross section shall change from the existing four-lane cross-section (double lane each way) to a three-lane cross-section (single lane each way, two way left turn, dedicated bike lanes). This change in cross-section is called a road diet and will achieve systemic improvements, such as provision for active transportation facilities or wider boulevards adjacent to private properties. Typically, road diets reduce vehicle speeds and minimize conflicts, thus making other modes of transportation more attractive.

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

Accordingly, the general scope of Phase 1 construction work includes:

- Full depth pavement structure removal and replacement, convert four-lane cross section to three-lane cross section (two single lanes with centre two-way left turn lane);
- Bridge rehabilitation;
- Localized curb and gutter and sidewalk repairs;
- Repaving and line painting; and
- Relocation of telecommunications and hydro pole (by other).

As part of the planned road reconstruction, underground linear infrastructure that is nearing the end of its useful service life will be bundled into the project and replaced as follows:

- Remove existing 150 mm watermain and replace with 200 mm watermain;
- Remove/replace existing 300 mm sanitary sewer;
- Remove/replace sanitary laterals with cleanouts; and
- Remove/replace water services where required.

Comments

A prequalification process was completed ahead of the tendering stage of this project. Twelve Contractors expressed interest and were pre-qualified. The evaluation of submissions was based on a number of factors including Contractors' previous project experience with similar projects of scope and size, overall management team background and experience managing projects of this scale.

As this project has the possible risks that would be associated with any construction project of this scale and scope, the successful Contractor is also required to secure construction bonds and insurance to mitigate risks related to the exposure of financial loss.

After the prequalification process was completed and the Contractors that were eligible to move forward were selected, the project was tendered through a competitive bidding process. County staff received the following five bids at tender close on Friday, June 4th, 2021.

Table 2: Summary of Bid Submissions

Contractor	Bid Amount (HST Excluded)
1. J-AAR Excavating Limited	\$2,358,865
2. Viewcon Construction Ltd.	\$2,383,636
3. Oxford Civil Group	\$2,412,044
4. Steed and Evans Limited	\$2,594,000
5. E. & E. Seegmiller Limited	\$3,589,627

Staff have reviewed the submissions and confirmed that the low bid received from J-AAR Excavating Limited in the amount of \$2,358,865 (excluding HST) represents good value for the work.

Conclusions

Review of the competitive bid submissions confirms that it is appropriate to award the proposed reconstruction works on Oxford Road 9 to the low bidder, J-AAR Excavating Limited of London, Ontario.

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