

REPORT TO COUNTY COUNCIL

Contract Award – Punkeydoodles Corners Intersection Improvements

To: Warden and Members of County Council

From: Director of Public Works

RECOMMENDATIONS

1. That County Council award a contract to the lowest compliant bidder, Capital Paving Inc., in the amount of \$1,082,349 (excluding HST) for intersection improvements at Punkeydoodles Corners as described in Report PW 2023-44;
2. And further, that County Council approve the transfer of \$13,500 from the Roads Reserve to fund the budget deficit for this project;
3. And further, that 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 Capital Paving Inc, in accordance with the County's Purchasing Policy.
- The intersection improvements at Punkeydoodles Corners are based on the findings and recommendations of the Intersection Control Feasibility Study (ICFS) that was led by Oxford County (Oxford) as a joint project with Perth County (Perth), Wilmot Township (Wilmot) and the Region of Waterloo (ROW) as approved by Oxford County Council (Report [PW 2023-44](#)) and further endorsed by Perth and Wilmot Councils. The approximate project location is shown in Attachment 1.
- A road closure for eastbound/northbound traffic on Perth-Oxford Road (Oxford Road 24), southbound/westbound traffic on Wilmot Easthope Road, and northbound traffic on Oxford Road 5 is required for the completion of this work and the planned detour routes (Attachment 2) have been created in consultation with Perth, Wilmot and ROW.
- This project is anticipated to begin in July 2024 and is targeted for completion by November 2024.

IMPLEMENTATION POINTS

Upon County Council approval, a contract will be executed with the low bidder, Capital Paving Inc., prior to proceeding with the work.

County Staff (in conjunction with the Contractor) will commence public outreach through various channels including social media posts, website publications, and the installation of advanced construction notice signage. This communication strategy will be implemented before the construction starts.

During construction, Perth-Oxford Road (Oxford Road 24) south of Concession Road to the end of the curve in the road, as well as Road 101A will be closed. Two detour routes have been planned and utilizes Perth Road 107, Line 33, and Provincial Highway 7 and 8 to the west, and Huron Road, Walker Road, and Provincial Highway 7 and 8 to the east (see Attachment 2).

The Contractor will maintain local traffic access to properties for residents, businesses and emergency vehicles at all times. Regulatory authorities, bus services and emergency services will receive advanced notice of the road closures and detour routes from Oxford County staff through *Ontario 511* notifications.

Construction is scheduled to start immediately upon award and contract execution for completion in November 2024.

Financial Impact

This work has been planned for in the 2024 *Business Plan and Budget*. An agreement in principle has been established between Oxford County, Perth and Wilmot/ROW. Oxford County will initially cover all the costs of the intersection improvement work and upon completion will invoice each municipality for their equitable portion of the costs.

Project expenditures are summarized in Table 1.

Table 1: Expenditure Summary for Punkeydoodles Corner Intersection Improvement

| 2024 Budget Summary Account/Description | Available 2024 Budget | Bid Amount (excluding HST) |
|---|-----------------------|-------------------------------|
| 930077 – Intersection Upgrades ¹ (Approved Budget: \$1,265,000) (Less Other Projects: \$265,000) | \$1,000,000 | \$741,251 |
| 930078 – Intersection Illumination ¹ (Revised Budget: \$80,000) (Less Other Projects: \$30,000) | 50,000 | 88,474 |
| 930099 – Road Rehab & Resurfacing ² (Revised Budget: \$6,869,971) (Less Other Projects: \$6,869,971) | 0 | 252,624 |
| Subtotal | \$1,050,000 | \$1,082,349 |
| Estimated Contract Administration, Inspection & Materials Testing | | 50,000 |
| Consultant Costs (Detail Design & Survey) | | 50,000 |
| Contingency | | 100,000 |
| Non-Refundable HST (1.76%) | | 22,569 |
| TOTAL ESTIMATED CONSTRUCTION EXPENDITURES | | \$1,304,918 |

1. Tri-party cost sharing between Oxford, Perth and Wilmot/ROW
2. 50/50 cost share between Oxford and Perth

The County’s share of Road Rehabilitation work (Project 930099) is estimated at \$130,000 and will be funded by the Roads reserve through realized savings within Job 930099, resulting from tenders previously issued.

The County’s share of Intersection Illumination costs (Project 930078) of approximately \$30,000 exceeds the 2024 budgeted levy contribution of \$16,500 by \$13,500. The 2024 budgeted closing balance for the Roads Reserve is approximately \$17.8 million which is sufficient to fund the additional costs associated with the County’s share of this project.

Communications

Operational communication for this construction project will be similar to other County projects. The Contractor and County project managers 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.

Extensive communication with the public is scheduled both before and during the construction phase. In addition to the formal Notice of Construction, a community update will be distributed to nearby property owners in advance, supplemented by construction signage at the project site to inform motorists and residents in the area. The wider public will be informed and updated

throughout the construction period through media relations, social media, the Oxford County website, and print, digital and online advertising. Regulatory authorities and emergency services will receive advanced notice of road closures through Municipal511 notifications.

Staff will continue to work with affected 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 as needed.

Report PW 2024-24 will be circulated to the Township of East Zorra-Tavistock, Wilmot, ROW, Perth and the Punkeydoodles Corners Community Association (PCCA), with a report link on the project webpage.

2023-2026 STRATEGIC PLAN

Oxford County Council approved the **2023-2026 Strategic Plan** on September 13, 2023. The Plan outlines 39 goals across three strategic pillars that advance Council’s vision of “Working together for a healthy, vibrant, and sustainable future.” These pillars are: (1) *Promoting community vitality*, (2) *Enhancing environmental sustainability*, and (3) *Fostering progressive government*.

The recommendations in this report supports the following Strategic Plan pillars and goals:

| | | |
|--|---|--|
|  |  |  |
| Promoting community vitality | Enhancing environmental sustainability | Fostering progressive government |
| <p>Goal 1.2 – Sustainable infrastructure and development</p> <p>Goal 1.3 – Community health, safety and well-being</p> <p>Goal 1.4 – Connected people and places</p> | | <p>Goal 3.1 – Continuous improvement and results-driven solutions</p> <p>Goal 3.2 – Collaborate with our partners and communities</p> <p>Goal 3.4 – Financial sustainability</p> |

See: [Oxford County 2023-2026 Strategic Plan](#)

DISCUSSION

Background

Intersection improvements at Punkeydoodles Corners was approved by Oxford County Council in Report PW 2023-44, as part of a three-way capital cost sharing arrangement with Perth and Wilmot/ROW that all share jurisdictional authority. The project includes several intersections where regional boundary and local roads converge as shown in Attachment 1.

Improvements at Punkeydoodles Corners were recommended following an ICFS and conceptual design that was completed as a joint undertaking and further endorsed by Perth and Wilmot Councils.

The scope of work for immediate implementation is as follows:

- Closing west leg of Punkeydoodles Avenue at Perth Road 101 and adding stop control to east leg;
- Removal of stop control on Oxford Road 5 northbound/southbound;
- Closing the north leg of Huron Road at the intersection of Huron Road/Perth Road 101;
- Addition of new southbound left turn lane, northbound right turn lane, and deceleration lanes along the curve on Perth Road 101;
- Realignment of Road 101A at Perth Road 101 to meet geometrical design guidelines and improve sightlines; and
- Illumination at the intersection of Road 101A and Perth Road 101.

A number of operational improvements were additionally identified in the ICFS and from Public feedback to further complement the intersection infrastructure improvements noted above. As such, Road Authorities have implemented the following immediate operational improvements:

- Removing the tree row on the Perth Road 101 curve (west side) to improve sightlines;
- Installing electronic speed feedback signs at the north and south approaches to the curve;
- Installing additional diamond reflectors along the east side of the curve; and
- Removing centreline painting on the curve at Road 101A intersection.

The project team consisting of staff from respective municipalities, with Oxford County serving as project lead, procured third party consulting services for the completion of detailed design and preparation of tender documents, including a legal property survey, geotechnical soils investigation, and development of a construction staging and traffic control plan.

Additional road resurfacing was also included as part of the proposed works in order to provide continuous asset renewal and appropriate alignment with Oxford Road 24/Perth Road 101 resurfacing work that is currently in progress between Tavistock and Punkeydoodles Corners under a separate contract (Report [PW 2024-19](#)).

Accordingly, additional resurfacing works included with Punkeydoodles Corners intersection improvements is not part of the tri-party cost sharing arrangement and will be funded separately by Oxford and Perth County.

Comments

Following completion of detailed design in Q1/Q2 2024, tender documents were posted on Oxford's electronic bidding system to solicit bids from qualified Contractors through an open competitive bidding process that resulted in 8 bid submissions as summarized in Table 2.

Table 2: Summary of Bid Submissions

| Contractor | Bid Amount (HST Excluded) |
|----------------------------------|----------------------------------|
| Capital Paving Inc. | \$1,082,349 |
| GIP Paving Inc. | \$1,104,979 |
| J-AAR Civil Infrastructures Ltd. | \$1,133,453 |
| Navacon Construction Inc. | \$1,199,581 |
| GHN Group | \$1,211,698 |
| Cox Construction Ltd. | \$1,274,244 |
| Dufferin Construction Company | \$1,327,575 |
| Steed and Evans Ltd. | \$1,355,114 |

Staff has reviewed bid submissions and confirmed the lowest compliant bid received from Capital Paving Inc., in the amount of \$1,082,349 (excluding HST), is approximately 22% lower than the engineer’s estimated cost and represents good value for the work. Capital Paving Inc. has completed similar infrastructure projects in recent years and has demonstrated resource capacity to complete this work in accordance with specified requirements. Contract award to Capital Paving Inc. is also supported by respective municipalities that are represented as part of the project team.

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.

Should the contract not be awarded and the work does not proceed, Perth Road 101 will continue to operate without deceleration and turning lanes, the existing intersection of Perth Road 101 and Road 101A will not be re-aligned, and the proposed operational improvements to the confluence of intersections in the vicinity of the project area will not be implemented. Driving conditions will remain difficult and the costs to rehabilitate it in the future will rise.

CONCLUSIONS

Review of the competitive bid submissions confirms that it is appropriate to award intersection improvements at Punkeydoodles Corners to the lowest compliant bidder, Capital Paving Inc.

SIGNATURES

Report author:

Original signed by

Ryan Vink, P. Eng.
Project Engineer

Departmental approval:

Original signed by

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

Approved for submission:

Original signed by

Benjamin R. Addley
Chief Administrative Officer

ATTACHMENTS

Attachment 1 – Project Location Map
Attachment 2 – Traffic Detour Routes