

AGENDA ITEM NO: 7.1

MEETING DATE: February 25, 2025

STAFF REPORT – COVER SHEET

SUBJECT: Elk View Retaining Wall Tender Award DATE: February 6, 2025

DEPARTMENT: Engineering PREPARED BY: Doug Mossey

1. SUMMARY OF ISSUE:

As part of our rehabilitation strategy for the Ryder Lake Area, structural reinforcement is required on Elk View Road approximately 30 metres west of the 3-way stop at Elk View and Ryder Lake Roads. Geotechnical investigations and design were solicited to identify issues and provide adequate reinforcement to the failing section of the road and supporting embankment. The recommended strategy was to construct a 21-metre-long by 4.5-metre-high mechanically stabilized earth (MSE) retaining wall to provide permanent support for the road structure. This design was issued for tender to be completed during the summer season to avoid disruptions to school traffic.

A decision to award the Elk View Retaining Wall Tender to the lowest bidder, Element Excavating, is required.

2. RECOMMENDATION:

Recommendation that Council award the tender for the Elk View Retaining Wall to Element Excavating Ltd. in the amount of \$293,802.60; and further, that the Mayor and Corporate Officer be authorized to sign any necessary documentation.



Kara Jefford, Director of Engineering

3. FINANCE COMMENTS:

The tendered price of \$293,802.60 is accounted for in the current financial plan under Asphalt Rehabilitation Repaving, Ryder Lake geotechnical stabilization.



Glen Savard, Director of Finance

4. CHIEF ADMINISTRATIVE OFFICER'S RECOMMENDATION/COMMENTS:

Supports recommendation.



David Blain, CAO

**STAFF REPORT ON
STRATEGY TO DAYLIGHT WATERCOURSES**

PREPARED BY: Keegan Maclsaac DATE: February 6, 2025

POSITION: Senior Engineering Technologist DEPARTMENT: Engineering

1. DEFINITION OF ISSUE

As part of our rehabilitation strategy for the Ryder Lake Area, structural reinforcement has been identified as being required at the bend in Elk View Road approximately 30 metres west of the 3-way stop at Elk View and Ryder Lake Road abutting the property of 48179 and 48275 Elk View Road. Road settlement and separation pavement cracks are visible in the described area. Geotechnical investigations and design were solicited to identify issues and provide adequate reinforcement to the failing section of the road and supporting embankment. Coring and borehole investigations revealed pavement up to 25cm in thickness which verifies settling asphalt which was continuously overlaid as it settled. The test holes also revealed silty material under the road structure, that had varying degrees of firmness, on top of bedrock.

The recommended reinforcement strategy from the geotechnical consultant, Braun Geotechnical, was to construct a 21-metre-long by 4.5-metre-high mechanically stabilized earth (MSE) retaining wall to provide permanent support for the road structure. This design was issued for tender to be completed during the summer season to avoid disruptions to school traffic.

2. FACTORS

- 2.1 The MSE wall is a permanent stabilization method for the roadway and will provide improved drainage and road grade once completed.
- 2.2 In order to reduce cost, the contractor will be allowed to close the road for a five-day period, subject to application for extension.
- 2.3 Stabilization is necessary to support road rehabilitation. The road has shown significant distress since its previous paving in 2018.

3. SUBMISSIONS

- 3.1 Six bidders submitted bids on the tendered works and the resultant bids are listed in Table 3.1 below:

Table 3.1 Tender Results	
Company	Price
Arnica Contracting Inc.	\$730,285.07
Canadian Landscaping and Civil Services Ltd.	\$498,795.00
Element Excavating Ltd.	\$293,802.60
Pacific Casa Construction Inc.	\$782,591.25
Strohmaier Excavating (2019) Ltd.	\$373,647.57
Triahn Enterprises (2018) Ltd.	\$527,402.40

3.2 Based on the Class A estimate from the City's design consultant, the construction work was estimated to cost \$278,038.20.

4. RECOMMENDATION:

Recommendation:

Recommendation that Council award the tender for the Elk View Retaining Wall to Element Excavating Ltd. in the amount of \$293,802.60; and further, that the Mayor and Corporate Officer be authorized to sign any necessary documentation.