



TOWNSHIP OF EDWARDSBURGH CARDINAL ACTION ITEM

Committee: Public Works, Environmental Services and Facilities

Date: July 18, 2022

Department: Operations

Topic: Cedar Grove Surface Remediation

Purpose: To provide options to Council in regard to Cedar Grove surface remediation

Background: Cedar Grove Road is listed as a priority road for surface remediation in the current Roads Management Plan. Surface remediation has been put on hold over the last few years pending the outcome of the Jobsite Challenge selection. Some funding has been invested in Cedar Grove for engineering design and legal survey. There was approximately \$70,000.00 carried forward into 2022 for Cedar Grove Road work. The road surface has deteriorated and requires some work to improve the surface. The section from the Augusta Township boundary east to Fraser Road is in particularly poor condition. The following options are suggested for consideration:

Option 1 Pad and pave – Asphalt padding is applied to level the road surface by filling wheel ruts and deformities of the road surface with asphalt. Once completed, a 25mm lift of asphalt is applied to the padding. Estimated cost for asphalt is from \$140.00 to \$200.00 per tonne. At \$140.00/tonne, 500 tonnes of asphalt could be applied to form both lifts.

Option 2 Cold in place recycling – finely pulverized surface asphalt is recycled by mixing with a binder and reapplied to the surface. After compaction and curing, a layer of asphalt is applied. This method not only recycles the existing asphalt, it adds stabilization of the roadway base. The estimated cost is \$324,000.00 plus the cost of a top coat of asphalt. Cedar Grove is 4800m in length and 7.5m wide.

Option 3 Full depth reconstruction – The cost of full depth reconstruction is estimated at \$300,000.00/km for rural roads. This would equate to approximately \$1,440,000.00 + HST assuming that no vertical/horizontal correction or land accusation is required.

Policy Implications: By-law 2015-57 establishes policies with respect to the procurement of goods and services. It states that all expenditures shall be within the current approved budget or within approved estimates, otherwise, prior approval of Council is required. In addition, expenditures above \$50,000 require approval of Council.

Financial Considerations: Approximately \$70,000.00 was carried forward from the 2021 budget for Cedar Grove Road improvements. This could be used as the upset limit for surface repairs this year to improve driving conditions.

Recommendation: That Committee recommends that Council direct staff to undertake Option 1 – Pad and Pave improvements to the surface of Cedar Grove Road, starting at the boundary of Augusta Township heading east toward Fraser Road, to an upset limit of \$70,000.00.



Director of Operations



Manager of Public Works



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