

**Municipality of Chatham-Kent**  
**Infrastructure and Engineering Services**  
**Engineering and Transportation Division**

**To:** Mayor and Members of Council

**From:** David Charon  
Engineering Technologist

**Date:** April 29, 2016

**Subject:** Bridge Replacement on Base Line over Cruickshank Drain  
Community of Zone

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**Recommendations**

It is recommended that:

1. The tender in the amount of \$258,770.00 (including HST) for the work associated with Contract T16-186: Bridge Replacement on Base Line over Cruickshank Drain be awarded to Goodreau Excavating of Tilbury, Ontario.
2. The total project cost of \$288,410.40 to be funded from the Federal Gas Tax Budget.
3. The Mayor and Clerk be authorized to enter into the recommended agreements.

**Background**

This contract consists of complete removal and replacement of the concrete culvert Base Line at the Cruickshank Drain in the community of Zone Township. The bridge can be found within the Municipality of Chatham-Kent Bridge Inventory.

Bi-annual inspections have been conducted by the Municipality of Chatham-Kent (as legislated under the *Public Transportation and Highway Improvement Act*) to continually monitor the condition of the structures and to ensure public safety. All structures form part of the comprehensive Investment Plan put forward by the Engineering and Transportation Division.

The Base Line over Cruickshank Drain culvert was built in 1960. The structure has a North-South orientation and is located on Base Line 0.2 km West of Jane Street in the

Municipality of Chatham Kent. This culvert carries two lanes of predominantly vehicular traffic across the Cruickshank Drain in one continuous span with a crossing length of 4.3m and a maximum clearance of 2.6m. The deck has a travel width of 7.5m and an overall width of 16.25m.

With an Average Annual Daily Traffic volume (AADT) of 200, the crossing is very lightly used with truck volumes accounting for less than 10% of the total traffic. The speed limit at this location is 80 km/hr. There is no load limit posted at this site. There is no record of rehabilitation for this structure.



Figure 1. Base Line over Cruickshank Drain - South

### **Comments**

The tender was let in March of 2016 and the Purchasing Officer received and opened tenders for the work on April 21, 2016. All tenders were found to be in order. The following table summarizes the bids received.

The tender results are as follows:

T16-186 Base Line over Cruickshank Drain Bridge Replacement			
Bidder	Location	Bid	Bid (+ HST)
Goodreau Excavating	Tilbury, ON	\$ 229,000.00	\$ 258,770.00
SLR Contracting	Windsor, ON	\$ 258,775.00	\$ 292,415.75
Clarke Construction	Blenheim, ON	\$ 265,378.00	\$ 299,877.14
Murray Mills Excavating	Sarnia, ON	\$ 312,013.00	\$ 352,574.69
Delway Contractors	Chatham, ON	\$ 317,000.00	\$ 358,210.00
Henry Heyink	Chatham, ON	\$ 326,295.00	\$ 368,713.35
Facca Incorporated	Ruscom, ON	\$ 342,700.00	\$387,251.00

Per the terms of the tender, work may commence any time after July 1, 2016 with total completion required by September 15, 2016. Due to low traffic volumes in this area, the road will be closed for the duration of the project for three continuous weeks as per contract.

### **Council Directions**

The recommendations in this report support the following Council Directions:

☐ **Jobs:**

Everyone in Chatham-Kent who wants to work is able to work in meaningful employment

☐ **People:**

Chatham-Kent is a welcoming community where people choose to live, learn, work, and play

☐ **Health:**

Chatham-Kent is a healthy, active, safe, accessible community within a healthy natural and built environment

☐ **Financial Sustainability:**

The Corporation of the Municipality of Chatham-Kent is financially sustainable

☒ Has the potential to support **all** Council Directions

☐ Neutral issues (does not support negatively or positively)

### **Consultation**

No consultations were held specifically related to the preparation of this report.

### **Financial Implications**

Project fees (consultant fees, costs of construction, etc.) associated with this contract will be funded as summarized in the following table:

Financial Implications T16-186 Bridge Replacement on Base Line over Cruickshank Drain Community of Zone		
A) Project Costs	Recommended Tender <sup>A</sup>	\$ 229,000.00
	Recommended Contingency Allowance (not included in Tender) <sup>B</sup>	\$ 50,000.00
	Engineering – Design, Tendering and Contract Administration	\$ 4,500.00
	Plus HST 13.00%	\$ 36,270.00
	Less HST Rebate 11.24%	-\$ 31,359.60
	<b>Total Current Project Costs</b>	<b>\$ 288,410.40</b>
	<b>Total Current Project Funding<sup>C</sup></b>	<b>\$ 288,410.40</b>
Note A: Material testing is carried as a \$3,000 allowance in the contract and is accounted for in the Recommended Tender. Note B: Contingency allowance may or may not be expended and is recommended to address any unforeseen issues which present during the course of the project and are covered by the contract specifications. Note C: This project is being funded through a contribution from the Transfer of Federal Gas Tax Revenues Under the New Deal for Cities and Communities Agreement as administered by AMO.		

Prepared by:

Reviewed by:

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Attachment(s): none

(RTC:\Infrastructure & Engineering\I&ES\2016\3817 – Tender Award Contract T16-186  
 Bridge Replacement on Base Line over Cruickshank Drain)