

Municipality of Chatham-Kent

Infrastructure and Engineering Services

Engineering and Transportation

To: Mayor and Members of Council

From: Mark McFadden, P.Eng.
Manager, Infrastructure Services

Date: July 25, 2019

Subject: Tender Award: Contract T19-302, Bloomfield Road Storm Sewer and Road Improvements, Community of Chatham

Recommendations

It is recommended that:

1. The tender in the amount of \$2,648,155.00 including HST for the Bloomfield Road Storm Sewer and Road Improvements in the Community of Chatham be awarded to Henry Heyink Construction Ltd.
2. The Mayor and Clerk be authorized to sign the necessary agreements.

Background

The Municipality of Chatham-Kent is experiencing operational and condition issues with the storm sewer along Bloomfield Road. The existing storm sewer is under sized, in poor condition and therefore in need of replacement. A new watermain was installed along Bloomfield Road in 2011 and the existing watermain in the roadway was abandoned. The existing storm sewer and abandoned watermain have negatively impacted the road surface. In addition, the Pavement Condition Index (PCI) of Bloomfield Road from Richmond Street to Park Avenue is less than 30.

In March 2019, Golder Associates Ltd. submitted a geotechnical report for Bloomfield Road from Richmond Street to Park Avenue. The recommended method of repair for this stretch of road was either cold-in-place recycling or full depth reconstruction. It was determined that Bloomfield Road will be reconstructed from Richmond Street to the CN Railway due to the required storm sewer replacement. Bloomfield Road from the CN Railway to Oriole Parkway requires a number of repairs and therefore it was determined that full reconstruction would be the most cost effective option. Bloomfield Road from Oriole Parkway to 5th Line is proposed to have cold-in-place recycling in 2020 (subject to future budget and Council approval). In order to extend the lifecycle of the road and improve the drainage of the road, all curb and catch basins between the CN Railway and Park Avenue will be replaced.

It was determined that the best course of action for the intersection of Bloomfield Road and Richmond Street was full reconstruction. At this time, the underground

infrastructure within the intersection will be replaced to reduce the likelihood of future work on the underground assets.

Comments

Bloomfield Road from the CN Tracks to Oriole Parkway will be reconstructed with new asphalt, curb and catch basins. The abandoned watermain has had a negative impact on the road surface in this section and will be removed to improve the overall condition and strength of the road base.

The curb and catch basins along Bloomfield Road from Oriole Parkway to Park Avenue will be replaced in preparation for cold-in-place recycling which is scheduled for 2020 (subject to future budget and Council approval).

A new sidewalk crossing at the CN Tracks will be constructed during this project to connect the sidewalk on either side of the tracks.

Bloomfield Road from Richmond Street to the CN Tracks will be reconstructed with new asphalt, curb and catch basins, including 350 m of new storm sewer. The existing storm sewer is in poor condition and undersized. Each property will have a new storm connection installed.

The intersection of Bloomfield Road and Richmond Street will be reconstructed during this project. The watermain in the intersection is an old cast iron watermain from the 1960's and will be replaced with PVC pipe. In addition, 100 meters of sanitary sewer will be installed at this time along Queen's Line to accommodate future development to the west. The traffic signal will be upgraded to comply with Municipal and Provincial standards at this time as well.

Phase 1 of this project will be all work from the CN Tracks to Park Avenue and will be completed in 2019. Phase 2 of the project will be all work from the CN Tracks to Richmond Street and will be completed in 2020.

The engineering, contract administration and inspection on this project are being carried out by the Chatham-Kent Engineering and Transportation Division.

The Purchasing Officer received and opened tenders for the work on Thursday, July 25, 2019. The results are as follows:

**Contract T19-302
Bloomfield Road Storm Sewer and Road Improvements
Community of Chatham**

Rank	Tenderer	Tender Amount incl. HST
1	Henry Heyink Construction Ltd. Chatham, ON	\$2,648,155.00
2	Clarke Construction Inc. Blenheim, ON	\$2,869,070.00
3	Nevan Construction Inc. Kingsville, ON	\$2,870,053.10 ^A
4	Sterling Ridge Infrastructure Inc. Windsor, ON	Incomplete Bid

^A A mathematical error was corrected but it did not impact the tender outcome but changed the tender ranking.

The Engineering and Transportation Division has reviewed the tenders and found them to be complete in all respects.

It is the recommendation herein that the contract be awarded to Henry Heyink Construction Ltd. who submitted the lowest tender bid.

Areas of Strategic Focus and Critical Success Factors

The recommendations in this report support the following areas of strategic focus:

Economic Prosperity:

Chatham-Kent is an innovative and thriving community with a diversified economy

A Healthy and Safe Community:

Chatham-Kent is a healthy and safe community with sustainable population growth

People and Culture:

Chatham-Kent is recognized as a culturally vibrant, dynamic, and creative community

Environmental Sustainability:

Chatham-Kent is a community that is environmentally sustainable and promotes stewardship of our natural resources

The recommendations in this report support the following critical success factors:

Financial Sustainability:

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

Open, Transparent and Effective Governance:

The Corporation of the Municipality of Chatham-Kent is open, transparent and effectively governed with efficient and bold, visionary leadership

Has the potential to support all areas of strategic focus & critical success factors

Neutral issues (does not support negatively or positively)

Consultation

The tenders were opened by the Purchasing Officer and reviewed by the Engineering and Transportation Division.

The General Manager of the Chatham-Kent PUC and the Purchasing Officer were consulted in the preparation of this report.

Financial Implications

This project is being funded through the 2019 Roads Lifecycle, Storm Lifecycle, Sanitary Lifecycle, Water Lifecycle, Sidewalk Lifecycle and Traffic Lifecycle budgets.

The project summary is set out in the following table:

**Contract T19-302
 Bloomfield Road Storm Sewer and Road Improvements
 Community of Chatham**

	Description	Total
(A) Project Costs	Low Tender, with HST	\$2,648,155.00
	Engineering & Admin, with HST	\$80,000.00
	Less HST Rebate (11.24%)	\$(271,366.92)
	Approval Fees	\$2,300.00
	Project Total	\$2,459,088.08
	Description	Total
(B) Project Funding	2019 Road Lifecycle Budget	\$1,013,144.29
	2019 Storm Lifecycle Budget	\$870,517.18
	2019 Sanitary Lifecycle Budget	\$196,727.05
	2019 Water Lifecycle Budget	\$221,317.93
	2019 Sidewalk Lifecycle Budget	\$73,772.64
	2019 Traffic Lifecycle Budget	\$83,608.99
	Funding Total	\$2,459,088.08

The low tender bid submitted by Henry Heyink Construction Ltd. was within the budget estimate.

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Financial Services

Attachments: None