

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

To: Mayor and Members of Council

From: Chris Thibert, P.Eng.
Acting Director, Engineering and Transportation

Date: April 10, 2018

Subject: Tender Award, Contract No. T18 – 125 Municipal Bridge Washing
2018 – 2020

Recommendations

It is recommended that:

1. The tender in the amount of \$300,631.98 including HST for the Municipal Bridge Washing Contract from 2018 – 2020 be awarded to DeAngelo Brothers Corporation for the washing of the bridge structures noted in Appendix A.
2. The Mayor and Clerk be authorized to sign the necessary agreement.

Background

The Engineering and Transportation Division has contracted the services associated with the washing of Municipal bridges and culverts. The purpose of washing the structures is to clean off the salt and debris that is accumulated over the winter. This debris, a direct result of the winter season, accelerates deterioration of concrete and steel members. Furthermore, accumulated debris can clog deck drain holes and expansion joint assemblies creating operational issues.

Municipal bridge and culvert washing operations are beneficial, preventative maintenance activities undertaken by the Municipality of Chatham-Kent. These washing operations benefit the subject structures in that they remove detrimental materials from the surfaces of said structures in an attempt to extend lifespan. Furthermore, annual washing operations facilitate the bi-annual requirement for visual inspection (as mandated by Provincial Legislation) as inspectors are allowed an uninhibited view of all structural and non-structural components.

116 structures will be washed under the requirements of this contract. The previous contract consisted of 115 structures and ran from 2014 to 2017 through DeAngelo Brothers Corporation.

Comments

The Municipal Bridge Washing Contract calls for the washing of the bridge structures identified Appendix A (Bridge Washing Details for Each Structure).

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

Two contractors submitted tenders for the project and bidding was an open competitive process. One contractor was rejected because they did not meet the bid security requirement. The lowest tender is within the budget estimate. The Purchasing Officer received and opened tenders for the work on Thursday, May 10, 2018. The results are as follows:

T18-125: Municipal Bridge Washing Contract

Rank	Bidder	Amount (excl. HST)	Amount (incl. HST)
1	DeAngelo Brothers Corporation	\$ 266,046.00	\$ 300,631.98
2	2076939 ON Inc.	Rejected	Rejected

The lowest bidder is approximately \$10,000.00 over the engineers estimate, and approximately \$30,000 less than the previous contract for bridge washing.

The Engineering and Transportation Division has reviewed the tenders and found them to be complete in all respects. There was a small math error in DeAngelo's Brothers bid which did not affect the lowest bid outcome.

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.

Financial Implications

This project is being funded from the approved 2018 Bridge Lifecycle Budget.

The project is summarized in the following table:

**Contract T18-125
 Municipal Bridge Washing
 Municipality of Chatham-Kent**

	Description	Total
(A) Project Costs	Low Tender, with HST	\$300,631.98
	Less HST Rebate (11.24%)	\$(29,903.57)
	Project Total	\$270,728.41
	Description	Total
(B) Project Funding	2018 Bridge Lifecycle	\$270,728.41
	Project Total	\$270,728.41

Prepared by:

Reviewed by:

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Consulted and confirmed the content of the consultation section of the report by:

Jennifer Scherle
Purchasing Officer
Financial Services

Miguel Pelletier
Director, Public Works

Attachment: Appendix A – Bridge Washing Details for Each Structure

- c. Purchasing Officer, Financial Services
Director, Financial Services
Manager, Public Works North
Manager, Public Works South

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No.	Identifier	Bridge Description	Remarks	Abutments	WingWalls	Approaches	Barriers	Curbs	Deck	Joints	Drains	Sidewalks	Underside	Bearing Seats
DO1	GM722	Winter Line over Boyle Drain	Winter Line 360 m SE of St.Phillipes Line	X	X	X	-	X	X	X	X	-	-	X
DO2	GM729	Marsh Line over Hind Relief Drain	Marsh Line 625 m E of Winter Line	X	X	X	X	X	X	X	X	-	-	-
DO3	GM809	Winter Line over Hind Relief Drain	Winter Line 700 m NW of Marsh Line	X	X	X	X	X	X	X	X	X	-	-
DO4	GM798	Heritage Line over 16/17 Concession Branch Drain	Heritage Line at Bear Line	X	X	X	X	X	X	X	X	-	-	X
DO5	GM794	Bear Line Road over Little Bear Creek North	Bear Line 425 m NW of Robin Line	X	X	X	X	X	X	X	X	X	X	X
DO6	GM728	Baldoon Road over 17/18 Concession Drain	Baldoon Road at Swan Line	X	X	X	X	X	X	X	X	-	-	-
DO7	GM790	Bear Line over Little Bear Creek South	Bear Line 35m NW of McLeod Creek Road	X	X	X	X	X	X	X	X	-	-	-
DO8	GM789	Electric Line over Little Bear Creek South	Electric Line 450 m NE of Bear Line	X	X	X	X	X	X	X	X	X	-	-
DO9	GM725	Baldoon Road over Little Bear Creek	Baldoon Road 675m NW of Bush Line	X	X	X	X	X	X	X	X	-	-	-
DO10	GM730	Meadowvale Line over Maxwell Creek	Meadowvale Line 700m East of Baldoon Road	X	X	X	X	X	X	X	X	X	-	-
DO11	GM731	Baldoon Road over Maxwell Creek	Baldoon Road 700m NW of Meadowvale Road	X	X	X	X	X	X	X	X	X	X	X
DO12	GM724	Green Valley Line over Little Bear Creek Drain	Green Valley Line 300 m SW of St.Clair Road	X	X	X	X	X	X	X	X	X	-	-

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No.	Identifier	Bridge Description	Remarks	Abutments	WingWalls	Approaches	Barriers	Curbs	Deck	Joints	Drains	Sidewalks	Underside	Bearing Seats
DO13	GM726	Bush Line over Little Bear Creek	Bush Line 725 m SW of St.Clair Road	X	X	X	X	X	X	X	X	X	-	-
DO14	GM818	Town Line over Rivard Drain	Town Line Road 100 m SE of Rivard Line	X	X	X	X	X	X	X	X	-	X	X
DO15	GM721	Heron Line over Rivard Drain	Heron Line 850 m NE of Town Line Road	X	X	X	X	X	X	X	X	-	-	-
DO16	GM718	Balmoral Road over McFarlane Relief Drain	Town Line Road 25 m SE of Balmoral Line	X	X	-	-	-	X	-	X	-	-	-
DO17	GM716	Townline Road over McFarlane Relief Drain	Town Line Road 30 m SE of Maple Line	X	X	X	X	X	X	X	X	X	-	-
DO18	GM717	Pain Court Line over McFarlane Relief Drain	Pain Court Line 1200 m SE of Jacob Road	X	X	X	X	X	X	X	X	X	-	-
DO19	GM719	Maple Line over Rivard Drain	Maple Line 25 m NE of Jacob Road	X	X	-	X	-	X	X	X	-	-	-
DO20	GM738	Given Line over Rivard Drain	Given Line 20 m NE of Jacob Road	X	X	-	X	-	X	X	X	-	-	-
DO21	GM817	Belle Rose Line over Rivard Drain	Belle Rose Line 20 m NE of Jacob Road	X	X	X	X	X	X	X	X	X	-	-
DO22	GM814	Jacob Line over Rivard Drain	Jacob Road 20 m SE of Heron Line	X	X	X	X	X	X	X	X	X	-	-
DO23	GM710	Big Pointe Road over Rivard Drain	Big Point Road SE of Maple Line	X	X	-	-	X	X	X	X	X	-	-
DO24	GM720	Winter Line over McFarlane Relief	Winter Line Road 460 m SE of Normandin Line	X	X	-	X	X	X	X	X	X	-	-
DO25	GM709	Winter Line over Rivard Drain	Winter Line Road 10 m SE of Maple Line	X	X	-	-	X	X	X	X	X	-	-

Kent Centre														
No.	Identifier	Bridge Description	Remarks	Abutments	WingWalls	Approaches	Barriers	Curbs	Deck	Joints	Drains	Sidewalks	Underside	Bearing Seats
KC1	GM691	Creek Road over McGregor Creek (South)	Creek Road 100 m SW of Communication Road	X	X	X	X	X	X	X	X	X	X	X
KC2	GM690	Creek Road over McGregor Creek (North)	Creek Road 60 m SE of Maynard Line	X	X	X	X	X	X	X	X	X	X	X
KC3	GM689	English Line over McGregor Creek	English Line 325 m SW of Creek Road	X	X	X	X	X	X	X	X	-	X	X
KC4	GM396	Creek Road over McGregor Creek Diversion Channel	Creek Road 700 m NW of English Line	X	X	X	X	X	X	X	X	X	X	X
KC5	GM785	Indian Creek Road over McGregor Creek Diversion Channel	Indian Creek Road 530 m NE of Creek Road	X	X	X	X	X	X	X	X	X	X	X
KC6	GM685	Indian Creek Road over McGregor Creek	Indian Creek Road 180 m SW of Creek Road	X	X	X	X	X	X	X	X	X	-	-
KC7	GM686	Indian Creek Road over McGregor Creek	Indian Creek Road 425m Southwest of Creek Road	X	X	X	X	X	X	X	X	X	X	X
KC8	GM395	Colborne Street over McGregor Creek Diversion Channel	Colborne Street 900 m NE of Sass Road	X	X	X	X	X	X	X	X	X	X	X
KC9	GM688	Park Avenue over McGregor Creek Diversion Channel	Park Avenue East 235 m NE of Siemens Drive	X	X	X	X	X	X	X	X	X	X	X
KC10	GM692	Horton Line over Lucas Drain	Horton Line 210 m SW of Communication Road	X	X	X	X	X	X	X	X	X	X	X
KC11	GM694	Lagoon Road over Locke Drain	Lagoon Road 550 m NW of Horton Line	X	X	-	X	X	-	-	-	-	-	-
KC12	GM695	Charing Cross Road over Locke Drain	Gagner Line at Charing Cross Road	X	X	X	X	X	X	X	X	X	-	-
KC13	GM712	Mull Road over Fields Creek Drain	Mull Road 325 m NW of Northwood Line	X	X	X	X	X	X	X	X	X	-	-
KC14	GM708	Mull Road over McGregor Creek	Mull Road 265 m SE of Pinehurst Line	X	X	X	X	X	X	X	X	X	X	X
KC15	GM784	Snobelen Road over McGregor Creek	Snobelen Road 115 m SE of Pinehurst Line	X	X	X	X	X	-	X	X	X	X	X

Tilbury East

No.	Identifier	Bridge Description	Remarks	Abutments	WingWalls	Approaches	Barriers	Curbs	Deck	Joints	Drains	Sidewalks	Underside	Bearing Seats
TE1	GM776	Tecumseh Line over Jeannette's Creek	Tecumseh Line 260 m SW of Poppe Road	X	X	X	X	X	X	X	X	X	X	X
TE2	GM765	Tecumseh Line over Baptiste Creek	Tecumseh Line 40 m NE of Baptiste Road	X	X	X	X	X	X	X	X	X	X	X
TE3	GM170	Coutts Line over Government Drain #1	Coutts Line at Pump Road	X	X	-	X	-	X	X	X	-	X	X
TE4	GM22	Queens Line over Government Drain #1	Queens Line at Merlin Road	X	X	-	X	-	X	X	X	-	X	X
TE5	GM826	Coutts Line over Baptiste Creek	Coutts Line 250 m NE of Dashwheel Road	X	X	-	X	X	X	X	X	-	X	X
TE6	GM167	Mint Line over Baptiste Creek	Mint Line 175 m SW of Dashwheel Road	X	X	-	X	X	X	X	X	-	X	X
TE7	GM734	Middleton Line over Two Creeks	Middleton Line 175m SW of Harbour Road	X	X	-	X	X	X	X	X	-	X	X
TE8	GM735	Klondyke Road over Two Creeks	Klondyke Road 200 m SE of Drovers Road	X	X	-	X	X	X	X	X	-	-	-
TE9	GM737	Third Concession Line over Two Creeks	3 rd Concession Line 16 m NE of Klondyke Road	X	X	-	X	X	X	X	X	-	-	-
TE10	GM11	Coutts Line over King & Whittle Drain	Coutts Line at Montpettit Road	X	X	-	X	X	X	X	X	-	-	-

