



Staff Report

To: Dan Best, Chief Administrative Officer

From: Don Giberson, Environmental Services Director

Date: June 19, 2017

Report: ESD.17.20

Subject: 2017 Request for Proposals for Engineering Services

Recommendation:

That South Huron Council receive the report from Don Giberson, Environmental Services Director Re: 2017 Request for Proposals for Engineering Services, AND;

That South Huron Council accepts the proposal received from BM Ross and Associates and authorizes the award of a contract to BM Ross and Associates for professional services associated with the following projects:

- a) Dashwood Rd Watermain (Shipka Line - Bronson Line) in the amount of \$20,600.00 plus HST
- b) Shipka Line Watermain (South Road to Kirkton Road) in the amount of \$15,500.00 plus HST
- c) Watermain in Easement (Huron & McTaggart Line) in the amount of \$10,800.00 plus HST
- d) Rehabilitation of McTaggart Line Bridge #3038) in the amount of \$26,850.00 plus HST

That South Huron Council accepts the proposal received from GMBLuePlan Engineering Limited and authorizes the award of a contract to GMBLuePlan Engineering Limited for professional services associated with the following projects:

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- a) Huron Street Reconstruction (Edward to Town Limit) in the amount of \$41,490.00 plus HST
- b) Engineering review of Exeter Sewage Lagoon Sand Filters in the amount of \$36,625.00 plus HST

Background and Analysis:

Professional Engineering services are required for the following 2017 Capital Projects:

1. Huron Street Reconstruction (Edward to Town Limit)
Design, prepare engineering drawings, prepare cost estimates, prepare tenders documents and obtain approvals for the complete reconstruction of all waterworks infrastructure, sanitary sewers, storm sewers, roadway, curbs and sidewalks. The construction phase of this project is proposed to be included in the 2018 Capital Budget.
2. Dashwood Road Watermain (Shipka Line - Bronson Line)
Design, prepare engineering drawings, prepare cost estimates, prepare tenders documents and obtain approvals for the complete reconstruction of all waterworks infrastructure. The construction phase of this project is proposed to be included in the 2018 Capital Budget.
3. Shipka Line Watermain (South Road to Kirkton Road)
Design, prepare engineering drawings, prepare cost estimates, prepare tenders documents and obtain approvals for the complete reconstruction of all waterworks infrastructure. The construction phase of this project is proposed to be included in the 2018 Capital Budget.
4. Watermain in Easement (Huron & McTaggart Line)
Design, prepare engineering drawings, prepare cost estimates, prepare tenders documents, obtain approvals, tender and provide all construction related services for the complete reconstruction/realignment of all waterworks infrastructure in 2017.
5. Engineering review of Exeter Sewage Lagoon Sand Filters Rehabilitation
Review alternatives for the rehabilitation/replacement of the existing sand filters, including a review of disinfection alternatives, recommendations on alternatives (including potential for UV disinfection). Design, prepare engineering drawings, prepare cost estimates, prepare tenders documents and obtain approvals necessary to complete the works in the future.

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6. McTaggart Line Bridge #3038

Review alternatives for the rehabilitation to a reinforced concrete bridge structure, including deck repairs, new barriers, overlay & waterproofing the deck; paving the deck and approaches. Design, prepare engineering drawings, prepare cost estimates, prepare tenders documents and obtain approvals necessary to complete the works in the future.

Accordingly, three Consultants, with proven track records, were invited to submit a proposal for professional engineering services necessary to carry out the above noted assignments. Proposals were requested on April 20, 2017 to be submitted to the Municipality prior to 1:00pm May 18, 2017.

Proposals were received from BM Ross & Associates, GMBLuePlan Engineers Limited and MTE Engineering prior to the submission deadline. The Proposals were reviewed by Sandy Becker, Jason Parr and Don Giberson. The RFP's were evaluated based on the criteria set out in the RFP and in accordance with to the Purchasing and Procurement By-Law.

The proposals were found to be in conformance with the submission requirements and within the approved budget amounts. The proposals excluded the cost of third party costs, such as geotechnical services. However, sufficient funds are available within the approved budgets to cover the cost of these third party costs. Discounts were offered by BM Ross for combining the Huron Street Reconstruction project and watermain replacement projects and this was considered in the evaluation.

Future costs for construction inspection and contract administration were considered for all projects. The BM Ross proposal for the rehabilitation of the McTaggart Line Bridge #3038 included several added value items that were also considered in the evaluation of their proposal.

All proposals were evaluated and BM Ross Engineers proposal received the highest scores for the following assignments:

- a) Dashwood Rd Watermain (Shipka Line - Bronson Line)
- b) Shipka Line Watermain (South Road to Kirkton Road)
- c) Watermain in Easement (Huron & McTaggart Line)
- d) Rehabilitation of McTaggart Line Bridge #3038

GMBLuePlan Engineers proposal received the highest scores for the following assignments:

- a) Huron Street Reconstruction (Edward to Town Limit)

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b) Engineering review of Exeter Sewage Lagoon Sand Filters

Operational Considerations:

None were considered.

South Huron's Strategic Plan:

Section 6.2.2 of the Municipality of South Huron 2015- 2019 Strategic Plan identifies key objectives that are reflective of the collective perspectives of the strategic planning process.

The recommendations and actions outlined in this report are reflective of the following strategic objectives:

Administrative Efficiency and Fiscal Responsibility

The 2017 Engineering RFP was a competitive process in accordance with the Procurement By-law. The construction of all projects will be through a public tendering procurement process to ensure fiscal responsibility.

Increased Communications and Municipal Leadership

Results of the 2017 Engineering RFP and future construction tenders will be communicated to Council and the public through reports to Council.

Transparent, Accountable and Collaborative Governance

Public reporting of the results of the 2017 Engineering RFP demonstrates commitment to transparent, accountable and collaborative governance.

Dedicated Economic Development Effort

Ensuring safe reliable drinking water, wastewater and transportation services is essential to maintaining public confidence; retention/attraction of businesses and economic development opportunities.

Financial Impact:

The cost of all 2017 engineering work is within the overall amounts approved in the Transportation and Environmental Services Budgets, with the exception of the project to replace the watermain in the easement (Huron & McTaggart Line). This project is \$3,300 over the estimated engineering cost.

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However, this is more than offset by the savings realized on all other water related projects.

A summary and breakdown of these costs are as follows:

FINANCIAL ANALYSIS SUMMARY					
2017 Engineering Services Proposal Costs					
		Total	Sanitary	Water	Roads
Huron Street Reconstruction (Edward to Town Limit)	G&M	\$41,490.00	\$12,447.00	\$8,298.00	\$20,745.00
Dashwood Rd Watermain (Shipka Line - Bronson Line)	BMRoss	\$20,600.00	\$0.00	\$20,600.00	\$0.00
Shipka Line Watermain (South Road to Kirkton Road)	BMRoss	\$15,500.00	\$0.00	\$15,500.00	\$0.00
Watermain in Easement (Huron & McTaggart Line)	BMRoss	\$10,800.00	\$0.00	\$10,800.00	\$0.00
Upgrade Exeter Sewage Lagoon Sand Filters	G&M	\$36,625.00	\$36,625.00	\$0.00	\$0.00
Rehabilitation of McTaggart Line Bridge #3038	BMRoss	\$26,850.00	\$0.00	\$0.00	\$26,850.00
	Subtotal	\$151,865.00	\$49,072.00	\$55,198.00	\$47,595.00
	Non-recoverable HST	\$2,672.73	\$863.64	\$971.45	\$837.64
	TOTAL	\$154,537.73	\$49,935.64	\$56,169.45	\$48,432.64
2017 Budget					
		Total	Sanitary	Water	Roads
Huron Street Reconstruction (Edward to Town Limit)		\$190,000.00	\$60,000.00	\$70,000.00	\$60,000.00
Dashwood Rd Watermain (Shipka Line - Bronson Line)		\$25,000.00	\$0.00	\$25,000.00	\$0.00
Shipka Line Watermain (South Road to Kirkton Road)		\$25,000.00	\$0.00	\$25,000.00	\$0.00
Watermain in Easement (Huron & McTaggart Line)		\$7,500.00	\$0.00	\$7,500.00	\$0.00
Upgrade Exeter Sewage Lagoon Sand Filters		\$50,000.00	\$50,000.00	\$0.00	\$0.00
Rehabilitation of McTaggart Line Bridge #3038		<u>\$65,000.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$65,000.00</u>
	Subtotal	\$362,500.00	\$110,000.00	\$127,500.00	\$125,000.00
	Net Difference (savings)	\$207,962.27	\$60,064.36	\$71,330.55	\$76,567.36
Proposed 2018 Engineering Services Costs					
		Total	Sanitary	Water	Roads
Huron Street Reconstruction (Edward to Town Limit)	G&M	\$94,270.00	\$18,854.00	\$28,281.00	\$47,135.00
Dashwood Rd Watermain (Shipka Line - Bronson Line)	BMRoss	\$33,700.00	\$0.00	\$33,700.00	\$0.00
Shipka Line Watermain (South Road to Kirkton Road)	BMRoss	\$25,400.00	\$0.00	\$25,400.00	\$0.00
Watermain in Easement (Huron & McTaggart Line)	BMRoss	\$14,700.00	\$0.00	\$14,700.00	\$0.00
Upgrade Exeter Sewage Lagoon Sand Filters	G&M	\$0.00	\$0.00	\$0.00	\$0.00
Rehabilitation of McTaggart Line Bridge #3038	BMRoss	<u>\$26,000.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$26,000.00</u>
	Subtotal	\$194,070.00	\$18,854.00	\$102,081.00	\$73,135.00
	Non-recoverable HST	\$3,415.52	\$331.82	\$1,796.56	\$1,287.13
	TOTAL	\$197,485.52	\$19,185.82	\$103,877.56	\$74,422.13

Legal Impact:

There are no legal implications for the Corporation resulting from the proposed recommendation.

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Staffing Impact:

There are no staffing implications for the Corporation resulting from the proposed recommendation.

Policies/Legislation:

1. Ontario Water Resources Act, R.S.O. 1990, c. O.40
2. Safe Drinking Water Act, 2002, S.O. 2002, c. 32
3. Clean Water Act, 2006, SO 2006, c 22
4. Ontario Regulation 169/03 – Ontario Drinking Water Quality Standards
5. Ontario Regulation 170/03 - Drinking Water Systems
6. Ontario Regulation 188/07 - Licensing of Municipal Drinking Water Systems
7. Approved 2017 Water, Sewer and Transportation Capital Budgets.

Consultation:

Sandy Becker, Financial Services Manager was consulted on the financial aspects of this report. Jason Parr, Transportation Services Manager and Shawn Young, Water/Sewer Foreman were consulted on the technical aspects of this report.

File or Reference

F18

Attachments:

None

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Respectfully submitted,

A handwritten signature in black ink, consisting of a large, loopy 'D' followed by several vertical strokes and a long horizontal flourish at the bottom.

Don Giberson
Environmental Services Director

I concur with this report.

Dan Best MPA, BA
Chief Administrative Officer