

Municipality of Chatham-Kent

Infrastructure and Engineering Services

Engineering and Transportation Division

To: Mayor and Members of Council

From: Jason Cikatricis, C.E.T.,
Engineering Technologist - Engineering & Transportation Division

Date: December 20, 2019

Subject: Request for Proposal Award: RFP R19-399 Consulting Engineering Services for the Rehabilitation of the Clachan Road Bridge (Bothwell Bridge) over the Thames River, Community of Orford.

Recommendations

It is recommended that:

1. The Request for Proposal R19-399, Consulting Engineering Services for the Rehabilitation of the Clachan Road Bridge (Bothwell Bridge) over the Thames River, Community of Orford, be awarded to GM Blueplan Engineering of London in the amount of \$197,505.92 (including HST).
2. The Mayor and Clerk be authorized to sign the necessary agreements.

Background

The Clachan Road Bridge (Bothwell Bridge) over the Thames River was built in 1958. This structure has a north-south orientation and is located on Clachan Road 1 km south of Longwoods Road. This slab on I-girder bridge carries 2 lanes of predominantly vehicular traffic across the Thames River in 3 continuous spans with a total crossing length of 92.5m and a maximum clearance of 10m. The deck has a travel width of 8.64m and an overall width of 10.28m.

With an average annual daily traffic volume (AADT) of 700, the crossing is lightly used with truck volumes accounting for 25 to 50% of the total traffic. The speed limit at this location is 80 km/hr. The bridge is currently load posted at: _ / 36 / 48 tonnes.

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 20 year plan managed by the Engineering and Transportation Division.

Comments

The scope of this project is for the design and construction administration for rehabilitation of the Clachan Road Bridge (Bothwell Bridge) over the Thames River.

Two (2) separate proposals were received by the Purchasing Officer on December 4, 2019 and forwarded to Engineering and Transportation Division for review and evaluation using the Council approved evaluation matrix (as shown in **Table 1**) provided in the proposal call to all submitting firms. The two (2) proposals are shown in **Table 2**. The proposals were received using a two-envelope system with the fee schedule submitted in a separate envelope opened by the panel only after the ratings had been determined.

Table 1: Evaluation Matrix

Qualification Criteria	Weighting
Company Profile & Qualifications of the Project Team	
<i>Project Manager and Senior Designers</i>	18
<i>Technical Support Staff Design</i>	10
<i>Contract Administration & Tech Support</i>	8
Management Qualificaitons	
<i>Experience on Similar Projects</i>	15
<i>Availability of Key Staff</i>	5
<i>Local Office</i>	3
Project Implementation	
<i>Approach and Methodology</i>	15
<i>Scheduling / Understanding Key Activities</i>	12
<i>Project Quality Assurance</i>	12
Project Fee	
<i>Project Fee</i>	42
TOTAL	140

Table 2: Summary of Evaluation Scores

Rank	Submitting Firm	Office Location	Final Score
1.	GM Blueplan Engineering Limited	London, ON	1274.8
3.	R.C. Spencer Associates Inc.	Chatham, ON	1089.5

The proposal submitted by GM Blueplan Engineering Limited illustrated the staffing resources, methodology and quality controls necessary to initiate and successfully complete the project. Based on the panel review process, the proposal submitted by GM Blueplan Engineering Limited was deemed to be the preferred submission, ranked highest by the panel as identified in **Table 2**.

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 proposals were received, opened and distributed to Engineering and Transportation Division by the Purchasing Officer. Proposals were reviewed, evaluated and ranked by a panel consisting of Engineering Technologists and the Director, Engineering and Transportation.

Financial Implications

Costs associated with engineering consulting fees and disbursements will be funded as summarized in the following table:

**Proposal R19-399
Consulting Services for the rehabilitation of the Clachan Road Bridge (Bothwell Bridge) over the Thames River
Community of Orford**

Description	Total
A) Project Costs	
Recommended RFP	\$174,784.00
Plus HST 13%	\$22,721.92
Total Cost including HST	\$197,505.92
Less HST Rebate 11.24%	-\$19,645.72
Total Project Costs	\$177,860.20
B) Estimated Project Funding	
2019 Lifecycle Bridge Budget – 100%	\$177,860.20
Total Project Funding	\$177,860.20

The total current project costs listed above are to be funded from the Bridge Lifecycle account.

Prepared by:

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Engineering Services – Clachan Road Bridge (Bothwell Bridge) over Thames River,
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