	<p style="text-align: center;">Township of Amaranth 374028 6th Line, Amaranth ON L9W 0M6 Phone: 519-941-1007 Fax: 519-941-1802 Email: info@amaranth.ca</p>
<p style="text-align: center;">Request for Proposal 1-2017</p>	
<p style="text-align: center;">Design-Build Reconstruction of Bridge No. 15 and Bridge No. 17</p>	

Description of Works

The works generally consist of supplying a shovel ready Design-Build Proposal that includes design engineering, labour, materials and equipment to build the replacement of the complete bridge deck and rehabilitation of existing abutments.

Proposal For	Design-Build Reconstruction of Bridge No. 15 and Bridge No. 17
Closing Date	Friday, January 27th, 2017
Closing Time	12:00 pm
Tender Opening	Friday, January 27th, 2017 at 1:00 pm
Location of Opening	Township Office – 374028 6 th Line, Amaranth ON L9W 0M6

Bidders are to give separate, itemized quotes for two bridges. Bidders are instructed to qualify their Design-Build Proposal using the following criteria:

Current Bridge No. 15 and Bridge No. 17 Site Condition

1. 0-400 AADT
2. 80 km/hr Speed Limit
3. Water Crossing: Willow Creek
4. Bridge No. 15 Span – 15.2m, Deck Length 16.7m, Deck/Soffit Width 6.5m, Roadway Width 4.9m
Bridge No. 17 Span – 15.9m, Deck Length 16.4m, Deck/Soffit Width 6.55m, Roadway Width 4.9m
5. Bridge No. 15 Location: On the 7th Line, Lot 19, 1.2 Km south of 20 Sideroad
Bridge No. 17 Location: On the 20th Sideroad, just east of the 7th Line of Amaranth

Specifications

1. Canada Highway Bridge Design Code
2. Engineered and stamped by two certified Professional Engineers Ontario
3. Design CL 625 Ontario Truck Loading
4. Environmental Assessment and Permit
5. MTO Structural Manual
6. Design Life of 100+ years for the Bridge Deck

7. PL1 Rails Thrie Beam or Approved Equal, minimum 205 mm deck thickness
8. 2% cross slope built into structure
9. Traffic control to MTO Book 7

Work Scope

1. Preliminary and detailed engineering of new bridge deck replacement and new abutments.
2. Mandatory Site Survey to assess existing conditions.
3. Soils Report.
4. a) Detailed Design.
b) New bridge deck to be a meter higher than existing bridge deck.
5. Build new prefabricated bridge approximately:
Bridge No. 15: 17.50m Long x 8.0m Wide (clear inside rails) and with new railing.
Bridge No. 17: 18.50m Long x 9.0m Wide (clear inside rails) and with new railing.
6. New bridge deck and girders must be pre-cast concrete units or FRP composite decking with Steel girder system.
7. Close the bridge and supply/install traffic control signs and detour signs.
8. Mobilizing to site.
9. Supply and install environmental protection under the existing bridge to prevent the debris from falling into the watercourse.
10. Supply and install erosion protection outside of abutments and wing walls with river stone.
11. Remove existing compacted granular road and sub-grade on top of the existing bridge deck.
12. Removal of old bridge deck and girders from site.
13. Dispose of old bridge deck and girders off-site to designated locations.
14. Rehabilitation of existing abutments to meet the designed bridge bearing requirement.
15. Delivery of new bridge to site and install the new bridge.
16. Semi-integral abutment according to design.
17. Supply and install the compacted granular with $\frac{3}{4}$ " crush clear granular on top of new installed bridge deck.
18. Compact granular material to 98% SPDD.
19. 4m approach pads with thrie beam transition to guard rails on approaches.
 - a) Finish wear surface, asphalt base course 50mL HL8 asphalt.
 - b) Finish Course 40mL HL3 full length of new approaches on Bridge 17 only.
 - c) Finish Course Bridge 15 "B" Gravel and finish with "A" Gravel.
20. Reopen the bridge upon substantial completion.
21. Demobilize from site.

Utilities

Design-Build Proposal to include relocating existing services attached to bridge. Contactor to confirm existence of any utilities (Bell cable).

Environmental Protection

Design-Build Proposal is to include a method of control and protection including the type and location of silt fence, straw bales, floating curtains, etc.; and OPSS guidelines such as dewatering OPS517.

Design-Build Proposal to include obtaining all necessary permits / approvals from the Grand River Conservation Authority (GRCA) and/or any other regulatory agencies requirements for a General Permit Application – Application made under the Conservation Authorities Act and O.Reg. 179/06 – Private Residential Property and Municipal Permits include:

- Coldwater fisheries timing window for in water works (no in water works between October 1st and June 30th).
- If new Bridge is anticipated to increase in depth due to current design standards, a hydraulic analysis may be required through the GRCA at the Proponent's expense and must be completed using HEC-RAS to confirm no upstream / downstream impacts (model is available through the GRCA).
- Guide rails proposed must be open.
- No rip rap allowed within watercourse. Only rounded granite is permitted.
- Ecological analysis is not required provided that only the deck size is replaced like for like (i.e. no widening).
- Detailed erosion control measures must be provided to the satisfaction of GRCA. No debris enters watercourse during construction / removal of bridge.

Disposal

All surplus material and resultant debris from the operation will be disposed of as outlined in OPSS 180. All costs associated with disposal shall be included in this bid submission and are the sole responsibility of the contractor, including any environmental testing.

Testing

Design-Build Proposal will include the testing procedures and personnel used to verify conformance to CHBDC.

Mandatory Site Meeting

Bidders are advised that a minimum of one (1) site visit is required to assess the existing conditions of the bridge. The assessment will, at a minimum, include the following:

- Existing bridge deck dimensions (length, width, thickness and seating conditions); and
- Confirmation of abutment strength.

Bonding

On or before the execution and delivery of the Contract, the Contractor shall provide to the Township:

- (a) a performance bond for 50% of the Estimated Contract Price in the form called for in the bid documents; and
- (b) a labour and materials payment bond covering 50% of the Estimated Contract Price in the form called for in the bid documents.

Such bonds shall be issued by a duly licensed surety company authorized to transact a business of suretyship in the Province of Ontario of the Place of the Work and shall be maintained in good standing until the fulfillment of the Contract.

The Township shall be entitled to demand payment from the surety under the performance bond for any monies payable to the Township by the Contractor under any stipulation herein.

Liability / Insurance

Design-Build Proposal will include a copy of the following:

- | | |
|-----------------------------------|--------------------------|
| 1. Errors and Omissions Insurance | Two Million |
| 2. General Liability Insurance | Five Million |
| 3. Motor Vehicle Insurance | Two Million |
| 4. WSIB | Certificate of Clearance |

The general liability policy shall include the Municipality as an additional insured, but only in respect of and for the duration of the services to be performed under this Contract and shall contain a cross-liability clause endorsement.

Bid Deposit

The Design-Build Proposal shall be accompanied by a bid deposit by way of a bid bond, certified cheque, bank draft, irrevocable letter of credit or money order, in its original form, in the amount of 10% of the total bid price, made payable to the Corporation of the Township of Amaranth.

The bid deposit delivered to the Township with the bid documents is acknowledged to be in accordance with the amount calculated as per the bonding requirements. The Bidder agrees that a bid deposit delivered to the Township with the bid documents will be held as security for the execution and delivery of the Contract, the delivery of the bonds, proof of insurance and all other documents required to be delivered to the Township upon the execution and delivery of the Contract and for the performance by the Bidder of any obligations in the Contract Documents. In the event that the Bidder fails to comply with any of such obligations, the Township may apply the bid deposit to remedy such failure.

Bid Requirements

The bidder, in submitting a proposal, accepts the time period of substantial completion on or before August 31, 2017 in the timeline.

Signing

The successful Bidder, if any, in the presence of the Municipal CAO and/or Director of Public Works, shall sign the Contract in triplicate (3), within seven (7) Working Days of written notification of acceptance.

Measurement for Payment

Measurement for payment shall be identified in the proposal as Schedule of Values.

Basis of Payment

Payment at the contract price for the tender item shall be full compensation for all labour, equipment and material to do the work as described in the Schedule of Values. A 10% holdback, in accordance with the Construction Lien Act shall apply to all payments.

Special Provisions

1. Schedule of Values are to be included in the RFP by providing a breakdown of the work scope items on page two of this request for RFP, as the lump sum amounts are to become the basis for payments.
2. Once the project has been awarded, the Owner will give due notice to schools, school transportation firms, police, ambulance, fire and the public concerning the Design Build Scheduled time lines.
3. Schedule of Values are to be included in the RFP by providing a breakdown of the work scope items on page two of this request for RFP, as the lump sum amounts are to become the basis for payments.
4. Bid proposals shall be supplied by the RFP taker and submitted in a sealed envelope clearly marked with the BID FORM noted on page 10.
5. The lowest or any tender will not necessarily be accepted.
6. Bidders are requested to provide the name of the engineering firm if joint venture.
7. Bidders are requested to provide a list of sub-contractors if applicable.
8. Bidders are to include HST.
9. The following policies and procedures are to be included in the proposal:
 - a) Health and Safety Policy with procedure
 - b) Fall Protection Policy with procedure
 - c) Water Rescue Policy with procedure
 - d) Traffic Control Plan
 - e) Municipal Safe Work Plan
 - f) To sign a Municipal Accessible Customer Service Training Acknowledgement after the contract is awarded.

Evaluation and Selection Criteria

The bid documents received by the Municipality will be evaluated using a matrix scoring system based on the following criteria:

Compliance with Specifications	-	Pass / Fail
Bridge & Components Evaluation	-	30 points
Suppliers and Installer	-	30 points
Cost	-	40 points

The Municipality reserves the right to conduct a technical interview with any or all of the proponents for clarification purposes. All interviews or requests for information will be completed before the awarding process.

Each sealed Envelope will be opened and checked/corrected for the arithmetic. Each submission will be evaluated for price and criteria based on the above breakdown. The preferred Proposal will be the Proposal with the highest score. If there is a tie, then the following tie-breaking measures will be used to select the successful Tenderer:

Design-Build Proposal Requirements

Bidders shall provide the following within their proposal:

1. Bid deposit
2. Proof of insurance and WSIB clearance
3. Stamped preliminary drawing submission of proposed work, outlining proposed bridge cross-section and plan view
4. Construction schedule
5. Explanation of proposed work and materials used with specifications
6. Project cost
7. Warranty of work
8. References supplied with a minimum of three or more bridge projects
9. Project manager and site supervisor experience
10. List of sub-contractors, if required

Opening of Design-Build Proposals

The proposals will be opened in compliance with the Township's Procurement Policy and reviewed by the Director of Public Works and CAO and presented to Council for final approval.

References

- 1.
- 2.
- 3.

Engineers

1. List the name of the engineering firm(s).
2. List two engineers to be used for this project.

Project Manager

List person and past work experience.

Project Supervisor

List person and past work experience.

Sub-Contractors

Bidders must identify below sub-Contractors to be employed on this project. Nothing contained in this document shall be interpreted as the Owner having any contractual obligation or relationship to a sub-Contractor.

1.

2.

3.

4.

Declaration of Bidder

The Bidder declares that:

- a) No persons, other than the Bidder(s), have any interest in this Request for Proposal or in the Contract proposed to be entered into.
- b) This RFP is made without any connection, knowledge, comparison of figures, or arrangement with any other person or persons making a Request for Proposal for the same work, and is in all respects fair and without collusion or fraud.
- c) The several matters stated in the said RFP are in all respects true.

- d) The Bidder has carefully examined the locality and site of the proposed works, as well as all the Contract documents, and hereby accepts the same as part and parcel of this Contract, and do as hereby tender and offer to enter into a Contract to do all the work, provide the labour and to provide, furnish, deliver, place and erect all materials mentioned and described or implied therein, including in every case freight, duty, exchange, and all other charges on the terms and conditions, and under the provisions therein set forth, and to accept in full payment therefore set forth, and to accept in full payment therefore in accordance with the schedule or values hereto attached, and the Bidder also agrees that this offer is to remain open to acceptance until the formal Contract is executed by the successful Bidder for said work, and that the Owner may at any time without notice accept this RFP whether another RFP has been previously accepted or not.
- e) The prices offered in this schedule take into account in all respects for the cost of execution of work under all weather conditions.
- f) The submission of this RFP is based on the terms and conditions of the form of agreement furnished to us, and any addenda identified herein. It is agreed that in the event of conflict between the unit prices and definitions of this RFP form, and those contained in the specifications, then this RFP form shall govern.
- g) In tendering for the Design Build work and in entering into the Contract, he has investigated for himself the character of the work to be done and all local conditions that might affect his RFP of his acceptance of work. He also declares that in tendering for the work and in entering into the Contract, he did not and does not rely upon verbal information furnished by the Owner.

Enquiries, Omissions, Discrepancies and Interpretations

All enquiries relative to the Request for Proposal shall be directed to the Director of Public Works of the Township of Amaranth.

Should a Tenderer find omissions from or discrepancies in any of the Tender Documents or should the Tenderer be in any doubt as to the meaning of any part of such documents, the Tenderer shall notify the Director of Public Works without delay. If the Director of Public Works considers that a correction, explanation or interpretation is necessary or desirable, an Addendum will be issued to all who have taken out RFP tender documents. No oral explanation or interpretation will modify any of the requirements or provisions of the RFP Tender Document.

Owner Reserves the Right

The Owner reserves the right to reject any and all RFP tenders, to waive minor informalities or minor irregularities and to accept the RFP tender which appears to be in the best interest of the Owner, and is conditional upon securing funding, with Bridge #17 being the highest priority.

BID FORM

Description: Design-Build RFP – Bridge No. 15 and Bridge No. 17

Documents to be enclosed with this Bid Form:

- ☐ Design-Build Proposal, signed
- ☐ Errors and Omissions Insurance
- ☐ General Liability Insurance
- ☐ Bid Deposit
- ☐ Certificate of Clearance WSIB
- ☐ List of Sub-Contractors
- ☐ List of Engineers
- ☐ Addendum (if any)

Submission Label

From:

Address:

Contact:

Telephone:

Deliver to Address:

The Corporation of the Township of Amaranth

Attention: Ben Ryzebol, Director of Public Works

RFP Bid Number: RFP No. 1-2017

Description: Bridge No. 15 and Bridge No. 17

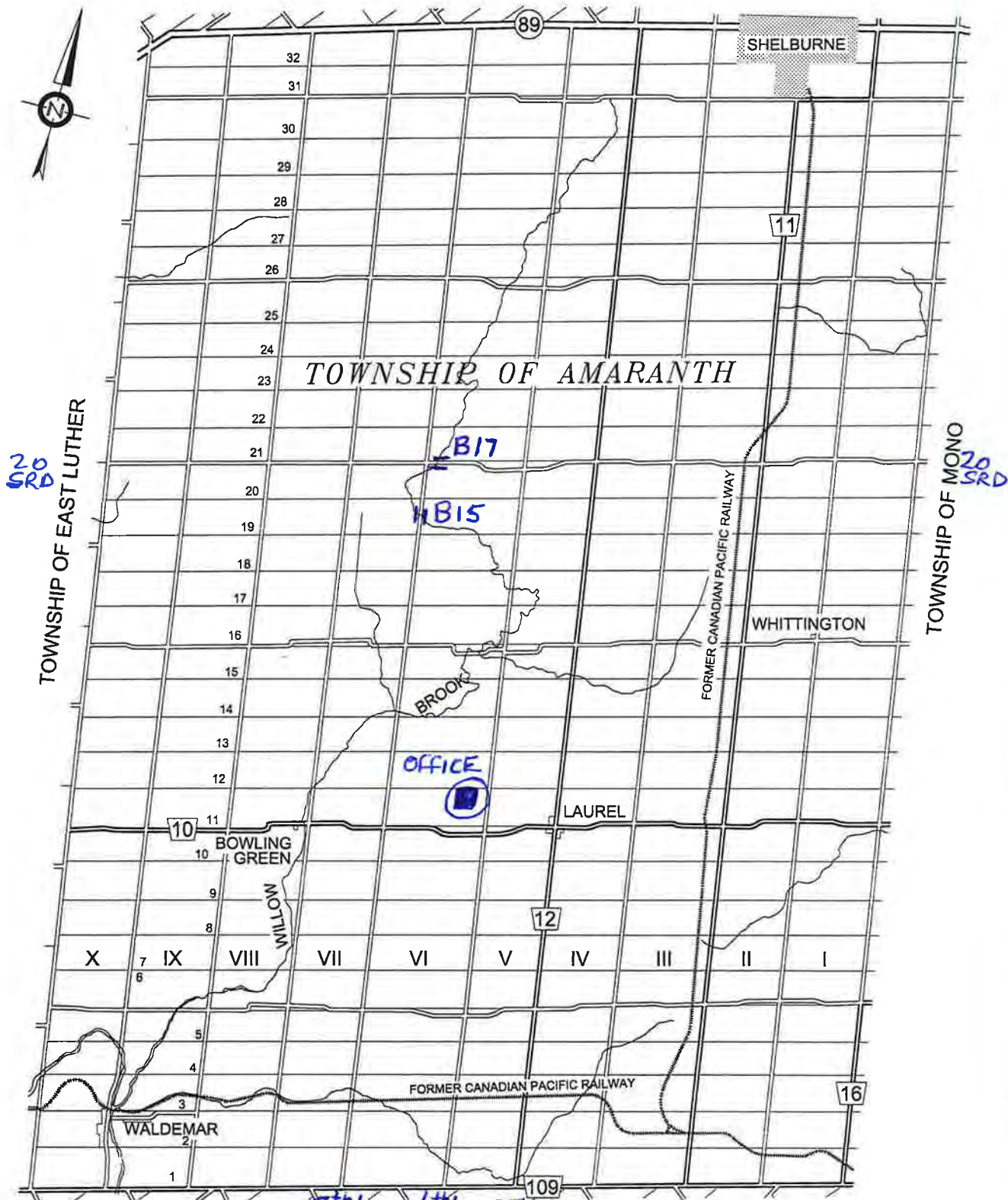
Closing Time and Date: Friday, January 27, 2017 at 12:00 pm

Received Date and Time:

Received by:

TOWNSHIP OF AMARANTH

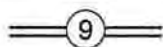
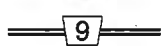

TOWNSHIP OF MELANCTHON



TOWNSHIP OF EAST GARAFRAXA
RD 12

MAP SHOWING: LOCATION OF MUNICIPAL OFFICE
: BRIDGE #15 & BRIDGE #17

LEGEND:

-  KING'S HIGHWAYS
-  COUNTY ROADS
-  TOWNSHIP ROADS

SCALE:



OCTOBER, 2000



W.E. KELLEY AND ASSOCIATES LIMITED
CONSULTING ENGINEERS & PLANNERS