



MUNICIPALITY OF SHUNIAH

REQUEST FOR PROPOSAL

DETAILED VISUAL BRIDGE INSPECTIONS

August 14, 2020

GENERAL INFORMATION AND INSTRUCTIONS

- G1. **Submissions must be received at the Municipality of Shuniah Administrative Office, 420 Leslie Avenue, Thunder Bay, Ontario by 2:00pm on August 31, 2020.**
- G2. Submission must arrive in a sealed envelope, addressed to the attention of:
Mr. Craig Baumann
Manager of Operations
RFP Detailed Visual Bridge Inspections
- A) The Municipality will not be held responsible for any proposal, which is not properly identified, on the outside of the envelope as herein indicated.
- G3. Submissions received after the closing time and date will be rejected and returned to the proponent unopened.
- G4. To be considered, one original copy of the proposal shall be submitted.
- G5. General and technical enquiries regarding this request for tender should be directed to Craig Baumann, Manager of Operations via email at cbaumann@shuniah.org
- G6. Addenda (revisions, clarifications) may be issued prior to the closing date and time.
- G7. The study will commence upon award and will be received by the Municipality **No** later than January 16, 2021.
- G8. The Municipality will issue its standard Purchase Order to the successful Proponent.
- G9. The Municipality has the right to cancel this RFP at any time and to reissue it for any reason whatsoever without incurring any liability and no proponent will have any claim against the Municipality as a consequence.
- G10. Bids will be opened at 2:15pm local time on the 31st day of August, 2020 at the Municipal Office located at 420 Leslie Avenue.
- G11. The Municipality is not bound to accept the proposal that provides for the lowest price or cost to the Municipality, nor any proposal of those submitted.

TERMS OF REFERENCE

1.0 Municipal Objectives

This RFP assignment is for the provision of Engineering Services associated with the inspection of various bridge structures found within the Municipality of Shuniah.

2.0 Background

The purpose of the structure inspections is to ensure an acceptable standard in terms of structure safety, public safety, comfort and convenience.

The structure inspections are being performed in order;

- To satisfy the Ontario Public Transportation and Highway Improvement Act – Ontario Regulation 104/97, clause 2, Subsection 3.
- To prolong the useful life of the structures.
- To identify and record any differences in information from records with observations made on-site, and to up-date the records accordingly.
- To identify and record observed defects and deficiencies in structures and their components.
- To identify maintenance performed or required on structures, and to identify and prepare annual maintenance needs reports for structures.
- To identify repair and rehabilitation needs for structures.

3.0 Project Terms of Reference

This assignment is to:

- Record initial inventory data.
- Enter and/or verify information related to various appraisal Indices.
- Carry out a Detailed Visual Inspection.
- Record the inspection information into OSIM Format.

Municipality of Shuniah Bridges

- Wildgoose Creek Box Culvert; single span, reinforced concrete box culvert, approximately 5.5 meters in length
- Mitchell Road Bridge; Single span, modular steel timber deck bridge founded on timber crib abutments, approximately 9.0 meters in length.
- Amethyst Avenue Bridge; Single 3.7 meter span longitudinally laminated timber bridge founded on timber crib structures.
- Blind Creek Box Culvert; reinforced concrete box culvert with rigid frame and vertical legs approximately 28.5 meters in length.
- Walkinshaw Creek Bridge; timber deck founded on steel girders with timber crib abutments, approximately 12.5 meters in length.
- Compressor Station Road Culvert; multi plate steel arched culvert founded on concrete footings, approximately 15 meters in length
- Silver Beach Road Bridge; stressed laminated timber deck founded on timber crib abutments, approximately 7.5 meters in length.
- East Loon Road Bridge; single 18 foot span stress laminated timber deck founded on timber crib structures.

3.1 Assignment Details

The bridge inventory and data inspection procedure, including the amount and minimum type of data to be collected and recorded, shall be in accordance with the requirements of the most current version of the OSIM.

This assignment will involve the initial field measurements of the general structure and the specific elements required for entry of the data on OSIM forms. In addition to rating the elements, the Consultant shall also complete the suspected performance deficiencies, maintenance needs, and recommended rehabilitation work with associated Class C cost estimates.

The Consultant shall take a sufficient number of photographs to clearly identify each structure and the condition of all elements of each structure. Digital photographs shall show the date (month-day-year) when they were taken.

The requirements for the safety and protection of workers in the field, including protective clothing, traffic control and protection devices, is the sole responsibility of the Consultant.

4.0 Deliverables

The Consultant shall provide a hard copy draft report for review, then three (3) Final hard copies of the complete Inspection Report containing tabbed sections for each structure inspected. The report shall be printed on standard 8.5"X11" paper. Copies of all photographs shall be appropriately labeled. The Inspection Report shall identify the condition states of the elements, performance deficiencies, required maintenance and recommendations for repairs and rehabilitation including Class C Cost Estimates.