

Town of Canaan

Request for Proposals

Design/Build Services

The Town of Canaan is requesting proposals for engineering and construction services related to design and construction of a replacement bridge for Moore's Mill Road at the Carrabassett Stream. The design and construction shall meet the standards and requirements of the Maine Department of Transportation Standard Specifications.

Please submit three (3) copies of the proposal to:

Denise B. Stetkis
Town Clerk
277 Main Street
P.O. Box 68
Canaan, ME 04924

The proposal must be received no later than **4 PM, September 23, 2019**.

There will be an informational meeting, on site, at **9:00 AM, September 4, 2019**.

The proposals will be publicly opened at **6 PM, September 23, 2019**, at the regularly scheduled Selectmen's meeting, in Room 1 of the Canaan Town Office, located at the above address.

The envelope should be clearly marked "**Moore's Mill Road Bridge Proposal**."

1.0 Background:

On October 3, 2018, a representative from the Maine Department of Transportation inspected the above-mentioned bridge in Canaan. A report summarizing that inspection was delivered to the municipal officers of the Town of Canaan dated August 8, 2019. The report highlighted numerous deficiencies concerning the bridge superstructure, substructure, and approaches. The Town of Canaan municipal officers regard those deficiencies as highly critical to the safety and well-being of the residents, businesses, and general public who use the bridge. This safety concern is further highlighted as another winter season approaches. Therefore, the municipal officers feel that an immediate solution must be in place prior to the upcoming winter season.

2.0 Project Timeframe:

A significant portion of this contract must be completed by December 31, 2019. The significant portion shall include the complete superstructure and any necessary repairs, temporary or permanent, to the abutments and pier. The entirety of the project shall be completed by June 30, 2020.

3.0 Project Description:

The awarded contractor shall design, fabricate, and install a replacement bridge, including approaches, to meet the current Maine DOT standards, as analyzed, designed and certified by a Maine licensed professional engineer, but not limited to, the following:

Phase I – Preliminary Investigation

- Review existing information
- Perform a structural evaluation of the existing structure
- Perform a topographic survey including a minimum of 250' at the centerline of each approach
- Pre-design review with the Town

Phase II – Analysis & Design

- Design Plan and Technical Specifications for a single-span or two-span replacement superstructure to meet the following AASHTO Limit State requirements:
 - Strength 1 – HL93 loading with modified HS20 design truck (HS25).
 - Strength 2a – Town of Canaan Plow Truck requirement
 - Strength 2b – Town of Canaan Fire Truck requirement
 - Service 1 – HL93 loading with modified HS20 design truck (HS25).
- Design Plan and Technical Specifications for approach guardrails at a maximum 25 mph speed limit.
- Design mitigation of existing or potential scour
- Final Civil and Structural design and construction documents

Phase III – Pre-Construction

- Provide contract documents to the Town.
- Coordinate contract/pre-construction meeting with the Town and all other effected parties.
- Provide necessary road improvement(s) to Moore's Mill Road from Clark Dairy to eastern-most residential property in Skowhegan.

Phase IV –Construction

- Demolition and removal of the existing bridge superstructure.
- Repair and/or replacement of the existing abutments and pier.
- Installation, and maintenance of, any shoring as required by engineer-of record, if necessary.
- Fabrication and Installation of entire bridge sub- and superstructure as per engineering plans and specifications.
- Fabrication and Installation of bridge approaches as per engineering plans and specification
- Provisions and Installation of Abutment and Pier protection as per engineering plans and specifications.

Phase V – Engineering Oversight - Construction Control Administration

- Engineering Oversight of Shop Drawings Submittals, Fabrication, and Material Specifications.
- Construction Monitoring including Visual observation of material, equipment and construction to ensure that the work is being performed according to contract specifications
- Address construction questions and concerns.
- Address and Process Change Orders

4.0 Statement of Qualifications & Compensation:

The Design Build Team shall provide the following items in their proposal:

- A narrative demonstrating an understanding of the issues facing this project.
- Method and approach
- A narrative on compensation method, billing rates for related support service and anticipated fees.
- Names and qualifications of person in your firm who will direct and oversee work and any associated firms, which may be used.
- List of references related to this project.
- Proposed timeline with critical milestones.

The Municipal Officers and the Road Commissioner will review all proposals. Their recommendation will be formally voted on at a regularly scheduled Selectmen's Meeting as a final decision. The Town of Canaan reserves the right to select any firm to perform this project and reject any or all proposals should it be in the best interest of the Town.

Questions regarding this Request for Proposals should be directed to Michael Robinson, Jr, Road Commissioner 207.399.9809.