

**REQUEST FOR PROPOSAL
FOR
PROFESSIONAL ENGINEERING SERVICES**

**CR 100 (B01-72-06-21) BRIDGE
OVER CUT RIVER
ROSCOMMON COUNTY, MICHIGAN**

The Roscommon County Road Commission is seeking proposals for the following:

Engineering Services for the replacement of the CR 100 Bridge (B01-72-06-21) over the Cut River located along section 28 of Markey Twp. (T23N R3W)

Proposals are being requested for providing preliminary and final design, and construction engineering services. Submittals may address the design, the construction engineering, or both construction engineering and design. The design and construction engineering shall be in accordance with the Michigan Department of Transportation Standard Plans and Specifications. A quality based selection process for the design and/or construction will be used to award the contract.

The replacement of the CR 100 bridge over the Cut River is funded under the Michigan Department of Transportation's Local Bridge Program for the fiscal year 2020. This reconstruction is for a full replacement. **This project must be let to contract for the 2019 Fall/2020 Spring Letting.**

The subject bridge is a two span 80-foot long concrete deck supported by 21" concrete box beams. The box beams sit on cast-in-place concrete pile abutments and pier. The structure was built in 1961. The 1961 plans are available for review at the office of the Roscommon County Road Commission or may be made available for electronic transmission upon request.

The Roscommon County Road Commission is requesting qualifications and a “lump sum bid” from your firm to perform the following items of work. Any incomplete bids without addressing all of the following may not be considered:

Preliminary and Final Design Phases

1. Provide a study to show public impact and cost of full closure vs partial closure.
2. Provide recommendation on single span vs double span with supporting documentation.
3. Conduct a complete field survey.
4. Complete Bridge Material Asbestos Testing for structure.
5. Provide and interpret soil boring data with blow counts to determine bearing capacity.
6. Type, Size & Location (TS&L) submittal.
7. Prepare preliminary plans and engineers estimate.
8. Prepare final design plans (i.e. final plans, specifications, estimate)
9. Conduct necessary liaison with MDOT Engineering Services Division to receive their approval, including Engineering Services project programming.
10. Attend the grade inspection and other meetings.
11. Coordinate design plans as may be required with applicable agencies to insure completeness of the project design (i.e. Drain Commission, Utilities, etc.)
12. Provide cross-sections and quantity computations.
13. Any applicable permits required.
14. Perform necessary hydraulic and scour analysis.

Construction Phase

1. Attendance at pre-construction meeting.
2. Construction staking and layout as needed.
3. Day to day on-site inspection.
4. All on-site and off-site materials testing.
5. Shop drawing review and approval.
6. Project documentation in accordance with MDOT and FHWA standards. (Field Manager)
7. Preparation of progress reports, change orders, recommendations and estimates.
8. Final review of project records and project closeout with MDOT.
9. Participation in any contractor claims proceedings.

Your submission should also indicate the capability and willingness of your firm to provide design and construction engineering services by providing the following items:

1. Your technical approach to the project considering the special considerations mentioned above and below.
2. Total manpower available for the project.
3. Name and classification of key personnel to be assigned to the project.
4. Confirmation of your ability to complete the project on time and within budget.
5. A detailed man-hour estimate per classification and discipline.
6. A detailed progress schedule for each phase of work.

7. A list of similar projects completed in the last (5) years which were handled by the key personnel listed in item number 3 above who are assigned to this project.
8. A statement of degree of familiarity with the MDOT Construction Project Records Keeping System (Field Manager).
9. Your ability to respond timely to requests from the Roscommon County Road Commission.
10. Reasons your firm should be selected to complete this work.

Your technical approach to the project must include how your firm proposes to address the following special considerations;

11. Recommendation of the type of structure to be constructed (i.e. Concrete box beam, Concrete I-beam, Steel girder, etc).
12. How do you intend to do part-width construction and maintain traffic.
13. If you determine part-width construction is impractical, how do you propose to accommodate traffic.
14. Estimate of time schedule for design.

The quality based selection of the candidate will be based upon personnel qualifications, personnel experience, overall understanding of MDOT standards and Roscommon County Road Commission procedures, and cost.

The Roscommon County Road Commission will use the following criteria to evaluate the candidate(s)

- Personnel Qualification(30 points)
- Personnel Experience(25 points)
- Overall understanding of MDOT standards and Roscommon County Road Commission procedures(15 points)
- Cost(30 Points)

The Roscommon County Road Commission may set up an interview team after the proposals have been reviewed.

Pending the review of proposals, the Roscommon County Road Commission reserves the right to split up the services of design and construction engineering. Upon selection of a candidate(s), negotiations will be conducted.

Proposals will be accepted at the Road Commission's main office located at 820 East West Branch Road (M 55), Prudenville, MI 48651, until 3:30 p.m. on the 2nd day, February, 2018.

The Roscommon County Road Commission reserves the right to accept or reject any or all proposals or waive any irregularities in the proposal procedure and to award the project in any manner deemed in the best interest of Roscommon County.

The Roscommon County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 Title 49, Code of Federal Regulations, Department of Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of gender, disability, race, color or national origin in consideration for an award.

We thank you for your interest in this project. If any additional information is needed please contact Neil Belanger at (989) 366-0333 ext. 17 or Belangern@Roscommoncrc.com.

Sincerely,

Tim O'Rourke, Manager
Roscommon County Road Commission