

MACOMB COUNTY DEPARTMENT OF ROADS REQUEST FOR PROPOSAL (RFP)

SCOPE OF SERVICES FOR 2019 IN-PLANT INSPECTION SERVICES FOR PREFABRICATED ELEMENTS FOR VARIOUS AND AS-NEEDED BRIDGE STRUCTURES

February 8, 2019

The Macomb County Department of Roads (MCDR) is requesting proposals from qualified consulting engineering firms (CONSULTANT) to furnish full time in-plant inspection of items including but not limited to the fabrication of precast concrete elements, bridge rail elements, anchor bolts, etc. for the projects listed below. This is termed "Inspection Services." This project will be under the direction of the MCDR Project Engineer (PE) identified in the accompanying cover letter representing the bridge owner (Owner). This Scope of Services includes 3 identified projects as well as as-needed Inspection Services for calendar year 2019. By mutual consent, the as-needed services may be extended for calendar year 2020.

I. PLANNED PROJECTS

The bridge projects and anticipated services for each are listed below:

1. Romeo Plank Road over North Branch Clinton River – Bridge Deck Replacement
 - a. Bridge Rail Elements
 - b. Anchor Bolts
 - c. Shear Developers
2. Jefferson Avenue over Salt River – Bridge Replacement
 - a. Precast Concrete I-beams
 - b. Bridge Rail Elements
 - c. Anchor Bolts
 - d. Structural Steel Fabrication (Pier Nosing)
3. South River Road over Channel to Lake St. Clair – Culvert Replacement
 - a. Precast Culvert Inspection
 - b. Bridge Rail Elements
 - c. Anchor Bolts

II. WORK DESCRIPTION

- a) Perform full-time in-plant inspection of the proposed elements in conformance with the MDOT 2018 Structural Precast Concrete QAI Manual (with 2019 Interim Update) and the 2012 MDOT Standard Specifications for Construction.
- b) MCDR will require weekly updates, in writing, as to the status of the element fabrications and the compliance with the specifications.
- c) An electronic copy of all related inspection results, certifications, etc. shall be provided upon completion of the fabrication and shipment of the elements, in the form of a final report.
- d) Inspection Services of tube rail elements shall include all applicable anchor bolt testing in accordance with Section 908.09 of the 2012 MDOT Standard Specifications for Construction and the MDOT 2018 Structural Precast Concrete QAI Manual (with 2019 Interim Update) and the 2012 MDOT Standard Specifications for Construction.

MCDR reserves the right to request services on other projects located in the County area that are not listed above, under the conditions of “as- needed” services. Full time services may not be required on all projects at all times. This scope is based on the anticipated needs of MCDR. It must be noted that this is not a guarantee that MCDR will use the CONSULTANT’S services.

III. DURATION & SCHEDULE

The CONSULTANT must be prepared to begin in-plant inspection work within 10 days after receiving the notice to proceed for each project.

IV. EQUIPMENT AND PERSONNEL REQUIREMENTS

Provide In-Plant Inspection Services to satisfy all requirements of the 2012 MDOT Standard Specification for Construction and the MDOT 2018 Structural Precast Concrete QAI Manual (with 2019 Interim Update) and the 2012 MDOT Standard Specifications for Construction. CONSULTANT must have knowledge of Prestressed Concrete Institute (PCI) and the National Precast Concrete Association (NPCA) standards, American Welding Society (AWS) and OSHA construction standards for precast fabrication.

V. MCDR PROJECT ENGINEER

Scott Wanagat, P.E.
Macomb County Department of Roads
Project Engineer
Phone: (586) 463-8671
Email: swanagat@rcmcweb.org

VI. PROPOSAL AND AUTHORIZATION GUIDELINES

A. Contract Terms

Lump Sum Authorization

This will be a “lump sum”-type contract based on each project shown on the Planned Project list above, with payment upon the completion of all services required on each bridge. The Lump Sum price will include all of the engineering costs and expenses to inspect and test materials for a given project as well as provide the report(s) required above. No added cost will be paid for overtime, weekend, or holiday work.

Hourly Rate & Mileage Authorization

For the “as-needed” Inspection Services anticipated, payment will be based on the CONSULTANT hourly fee and mileage rate. The proposed fees will include all of the engineering costs and expenses to inspect and test materials for a given project as well as provide the report(s) required above. No added cost will be paid for overtime, weekend, or holiday work.

B. Proposal Requirements

The following information is required of the CONSULTANT in response to this Scope of Services. Failure to provide all of the information will be cause to consider the proposal non-responsive and reject the proposal.

1) Proposal Letter and Fee Estimate

The CONSULTANT must submit a signed letter agreeing to the stipulations in this Scope of Services.

2) Resumes

Resumes of the CONSULTANT’s staff who will be assigned to the project must be appended to the Proposal Letter. These resumes must document the requirements stated in Section IV, EQUIPMENT AND PERSONNEL REQUIREMENTS.

Copies of training certificates attesting to re-current training requirements are required.

Previous project information may be included.

C. Billing Submittals

The CONSULTANT must submit all invoices to the MCDR PE for approval. Payment will be monthly based on the work complete to that date.

All invoices will be numbered sequentially and will indicate the invoice period. They must also indicate the Bridge Structure ID number, the Macomb County Department of Roads work order number, and the agreement number. All invoices include time sheets for all staff engaged on the project during that time period and must list the specific bridges completed.

MCDR fiscal year ends on September 30 of each year. The CONSULTANT must submit, prior to October 15th, invoices for any unpaid services through September 30th, regardless of the previous invoice period.

All invoices will be sent to: Macomb County Department of Roads
Attn: Scott Wanagat, P.E.
117 S. Groesbeck Hwy
Mt. Clemens, MI 48043
swanagat@rcmcweb.org

Questions pertaining to billing and payment may be directed to MCDR PE at 586-463-8671.

D. Proposal Deadline

All proposals must be submitted electronically to the Project Engineer, Scott Wanagat at swanagat@rcmcweb.org no later than Friday, March 8, 2019, at 5:00 pm.

Selection will be qualification based with consideration also given to fees for all bridge projects as well as the as-needed Inspection Services.