

# REQUEST FOR QUALIFICATIONS

MICHIGAN DEPARTMENT OF TRANSPORTATION

Metro Region

I-94 Advanced Bridge Project/Phase 1  
Second Avenue over I-94  
Brush Street over I-94

Job Numbers: 113125A& 113558A

Addendum #4  
January 10, 2017

Statement of Qualification Due Date:  
January 26, 2017



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## 1.0 INTRODUCTION

The Michigan Department of Transportation (MDOT), Metro Region, is requesting Statements of Qualifications (“SOQs”) from entities (“Submitters”) interested in submitting a bid for the bridge replacement of Second Avenue over I-94 (S01 of 82024) and Brush Street over I-94 (S05 of 82024). The Project will be funded with state and federal-aid dollars thereby requiring that Submitters adhere to all pertinent federal, state and local requirements. The Design Engineer of Record (EOR) and Owner’s Representative Team are prohibited from proposing on this project or teaming with a Submitter. Any consultants, including Disadvantaged Business Enterprises (DBEs) and Small Business Enterprises (SBEs), that have participated in the design of the project under contract to MDOT will also be subject to a review for potential conflict of interest, determined on a case by case basis. See the title sheet for a map showing the project location.

### 1.1 Procurement Process

MDOT will use a two-phase procurement process to select a contractor to deliver the Project. This Request for Qualifications (RFQ) is issued as part of the first phase to solicit information, in the form of SOQ’s, that MDOT will evaluate to determine which Submitters are qualified to bid on the Project.

In the second phase, MDOT will advertise the Project, through a traditional Bid-Build procurement, to qualified Submitters. Only the qualified Submitters will be eligible to bid on the Project. MDOT may award a contract for the Project to the lowest responsive qualified bidder.

### 1.2 Project Goals

The Purpose of this Project is to complete the following major tasks while considering the complex nature of the project, and minimizing impacts to the traveling public:

- a) Replace Second Ave over I-94 Bridge with a single span network tied arch bridge. Brush Street over I-94 Bridge will be replaced with a two-span bridge utilizing prestressed concrete Bulb-Tee girders with Carbon Fiber Composite Cables (CFCC’s).
- b) Minimize impacts to I-94 traffic by partially constructing the Second Ave over I-94 bridge offline in a staging area (bridge skeleton erection\*) and moving it to its final position during one weekend closure of I-94. This work consists of furnishing all labor, equipment, material and other services necessary to prepare the Bridge Staging Area and Travel Path, constructing temporary supports to allow for the construction of the bridge superstructure in the designated Bridge Staging Area and using Self Propelled Modular Transporters (SPMT’s) or other methods as approved by MDOT and the EOR.  
\*The bridge skeleton erection will include erecting the steel arches and floor beams, pouring concrete tie girders, applying initial post-tensioning to the tie girders, and installing the hangers in the staging area. The post-tensioned concrete end diaphragms and bridge deck will be constructed in the bridge final position.
- c) Record and document the staging area and proposed travel path including videotaping to record the existing conditions prior to construction. Restore staging area and travel path to a condition approved by the Engineer after the bridge move is complete.
- d) Open the bridges to traffic by November 19, 2019.
- e) Complete the project by May 31, 2020.

The following goals have been established for the Project:

- a) Safety
  - Provide a safe Project area for the traveling public and workers during execution of the Project.
  - Avoid damaging utilities and private property, including nearby buildings and historic properties.
- b) Quality
  - Provide a high quality product that minimizes future maintenance.
  - Conduct work operations in a manner that takes into account handling, jacking and moving the tied network arch skeleton to its final location.
- c) Mobility
  - Meet project schedule.
  - Maintain access to nearby residents and businesses at all times.
  - Maintain 3 lanes of traffic in each direction on EB & WB I-94 at all times except during the allowable identified closures in the Maintenance of Traffic (MOT) Special Provision to complete the construction activities.
  - Propose and execute a method of moving the bridge that meets mobility requirement of the contract while ensuring safety and quality goals met.

### **1.3 Submitter Information**

If an entity intends to submit an SOQ as part of a team, the entire team is required to submit a single SOQ as a single Submitter.

## **2.0 BACKGROUND INFORMATION; RFQ PROCESS**

### **2.1 Project Description; Scope of Work**

The project is located in the City of Detroit along I-94 and encompasses control section 82024.

#### JN 113125A

Second Avenue over I-94 (S01 of 82024) bridge replacement: Proposed structure is a single span network tied arch bridge. Steel arches, post-tensioned concrete tie girders and steel floor beams are proposed to be installed in the staging area and moved to the bridge final position. The deck, concrete end diaphragms, and other elements will be constructed at the bridge final location.

#### JN 113558A

Brush Street over I-94 (S01 of 82024) bridge replacement: Proposed structure is a two-span bridge utilizing prestressed concrete Bulb-Tee girders with carbon fiber reinforcing strands. The bridge will be constructed in its final position.

## 2.2 Project Schedule

The deadline for submitting RFQ questions and the SOQ due date stated below apply to this RFQ. MDOT also anticipates the following additional Project milestone dates. This schedule is subject to revision by addenda to this RFQ.

### Phase 1 – Request for Qualification

- RFQ and 80% Plans Posted November 17, 2017
- Deadline for submitting RFQ questions January 19, 2018; 4 P.M. EST
- SOQ due date January 26, 2018; 4 P.M. EST
- Anticipated Notification of short-listed Submitters March 2, 2018

Phase 2 of the process will be the advertisement of the project for a minimum of 8-6 weeks prior to the June 1, 2018 letting. Construction is anticipated to start June 15, 2018 and the bridges to be open to traffic by November 19, 2019, and project completion by May 31, 2020.

## 2.3 Inquiries and General Information

Information regarding this RFQ, including addenda to the RFQ, questions and answers, and project specific information, will be posted at the following website: <http://www.michigan.gov/ic>. Click on “I-94 Advanced Bridge Project/Phase 1” under the 2017 Innovative Contracting Projects heading. The project plans and special provisions for the 2<sup>nd</sup> Avenue bridge have been placed on MDOT’s ProjectWise site under the following link: <ftp://ftpmidot.state.mi.us/113125/>. The plans and proposal are in-progress (approximately 80% complete) and are subject to change. The plans for the Brush Street bridge is not available at this time.

All questions regarding the Project must be submitted by e-mail to the MDOT Project Manager listed below. Questions shall be received by 4:00 P.M. EST on the date indicated in Section 2.2. All such questions and their answers will be placed on the MDOT website as soon as possible after receipt of the questions. The names of the entity submitting questions will not be disclosed. The employees and representatives of the Submitter may not contact any MDOT staff (including members of the selection team) other than the MDOT Project Manager, or their designee, to obtain information on the Project. Such contact may result in disqualification.

Terry Stepanski, P.E.  
Michigan Department of Transportation, Project Manager  
[stepanskit@michigan.gov](mailto:stepanskit@michigan.gov)

### 2.3.1 Addenda to the RFQ

MDOT reserves the right to revise the RFQ at any time before the SOQ due date. Such revisions, if any, will be announced by addenda to this RFQ. If it becomes necessary to revise any part of the RFQ, addenda will be posted on the MDOT website (<http://www.michigan.gov/ic>)

### 2.3.2 News Releases

Any news releases pertaining to this RFQ or the services, study, data or project to which it relates will not be made without prior written MDOT approval, and then only in accordance with the

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explicit written instructions from MDOT.

### 2.3.3 Disclosure

Except as otherwise stated, all information in a Submitter’s SOQ and any contract resulting from this RFQ are subject to disclosure under the provisions of the “Freedom of Information Act,” 1976 Public Act No. 442, as amended, MCL 15.231, et seq.

## 2.4 Prequalification

The Submitter and their subcontractors must meet the following prequalification requirements:

### Contractor Prequalification Requirements

- 30,000 Fa

A structural steel fabricator does not need to be identified in the Submitter’s SOQ, however, the contract documents will require a fabricator with the following American Institute of Steel Construction (AISC) certifications for the steel fabrication work\*:

- Certified Bridge Fabricator – Advanced (ABR)
- Fracture Critical Endorsement (FC)
- Sophisticated Paint Endorsement (SPE)

\*This work requires the Contractor’s chosen suppliers for main member structural steel bridge fabrication, hot-dip galvanizing manufacturers, and bridge bearing manufacturers (elastomeric, structural steel, etc.) to be subject to a MDOT Quality Management System (QMS) assessment to ensure compliance with AISC and other project specifications. All findings must be resolved prior to the start of fabrication and all new findings observed during the work must be resolved within a time period specified in the project specifications.

The contract documents will require a Bridge Move Supplier that has completed at least one bridge move in the last five years. A minimum five years of experience is required for the bridge move (or SPMT) supervisor and operator.

## 2.5 Major Participants

As used herein, the term “Major Participant” means any of the following entities: all general partners or joint venture members of the Submitter; all individuals, persons, proprietorships, partnerships, limited liability partnerships, corporations, professional corporations, limited liability companies, business associations, or other legal entity however organized, holding (directly or indirectly) a 30% or greater interest in the Submitter and any subcontractor(s) that will perform work valued at 30% or more of the overall contract amount.

## 3.0 CONTENT OF STATEMENT OF QUALIFICATIONS

This section describes specific information that must be included in the SOQ. SOQs must follow the outline of this Section 3.0. Submitters shall provide brief, concise information that addresses the requirements of the Project consistent with the evaluation criteria described in this RFQ.

### **3.1 Introduction (Pass/Fail)**

Provide a letter stating the business name, address, business type (e.g., corporation, partnership, joint venture) and roles of the Submitter, each known Major Participant, and any subcontractors that are used to meet the requirements listed in Section 3.3 “Qualifications of Team”. Identify one contact person and his or her address, telephone and fax numbers, and e-mail address. This person shall be the single point of contact on behalf of the Submitter organization, responsible for correspondence to and from the organization and MDOT. MDOT will send all Project-related communications to this contact person. Authorized representatives of the Submitter organization must sign the letter.

If the Submitter is a joint venture, the joint venture members must sign the letter. If the Submitter is not yet a legal entity, the known Major Participants must sign the letter. The letter must certify the truth and correctness of the contents of the SOQ.

This information will be used to identify the Submitter and its designated contact, and will be reviewed on a pass/fail basis only and not as part of the qualitative assessment of the SOQ.

#### **3.1.1 Recognition of Addendum**

In the letter, the Submitter must identify all addenda provided by date and version.

### **3.2 Proposed Work Plan (40 points)**

Based on provided plans and specifications, provide a synopsis demonstrating the following:

- a) Understanding of the project scope.
- b) Probable impacts of the Project.
- c) Potential issues affecting the Project.
- d) Approach to managing and coordinating all project elements.
- e) Approach to constructing the arch skeleton at staging area and moving the arch, using SPMT’s or other approved method, to its final position.
- f) Potential innovations in construction and their potential for cost savings and time reduction while meeting the project requirements.
- g) Approach to achieving project goals stated in Section 1.2.

### **3.3 Qualifications of Team (30 Points)**

Provide the qualifications of the Submitters team that meet the following requirements:

- a) Management and staff experience, capabilities, and functions on projects of similar scope and complexity.
- b) Staff experienced in high capacity jacking operations and temporary shoring construction.
- c) Structural Engineer to develop detailed procedure for all methods, material and equipment to be used for the erection scheme, or any alternate proposal. The Structural Engineer shall have a minimum of ten years of experience designing or using refined analysis to evaluate the constructability of tied arch bridges or cable-supported bridges of similar scope and complexity. The Structural Engineer shall be a registered Professional Engineer. The contract documents will require the Structural Engineer to be registered in the State of Michigan prior to the start of construction.

- d) A Minimum of 15 years of experience in strand installation and tensioning.

### **3.4 Submitter Experience (30 Points)**

The Submitter, or the Submitter’s team should describe the firm’s experience and their subcontractor’s experience on projects of similar scope and complexity.

Describe projects in United States involving a bridge heavy move that the Submitter, or the submitter’s team has completed or participated in. Highlight experience relevant to the Project the Submitter/Major Participants or the Submitter’s team have gained in the last 5 years. Each project description should include the following information:

- a) Project name;
- b) Owner/Agency name;
- c) Owner/Agency contact person and telephone number;
- d) Year(s) constructed;
- e) Contract cost;
- f) Role of key staff proposed for Second over I-94 Bridge;
- g) General description of the work.

MDOT may elect to use the information provided above as a reference check.

State experience / past performance in the last 5 years, in any the following areas:

- a) Arch Bridges
- b) Post tensioning and grouting
- c) Strands installation and tensioning
- d) Temporary steel support construction
- e) High capacity hydraulic jacking and shimming operations
- f) High capacity shoring tower erection
- g) SPMT’s or other heavy move operations
- h) Structural concrete
- i) Structural steel
- j) Maintenance of traffic

### **3.5 Statement of Bridge Move Supplier (Pass/Fail)**

Provide a synopsis discussing the importance of the Bridge Move Supplier as a key partner on the project, the importance of early engagement during the bidding process, and naming any Bridge Move Suppliers that are potential members of the Submitter’s team.

This information will be reviewed on a pass/fail basis only and not as part of the qualitative assessment of the SOQ.

## **4.0 EVALUATION PROCESS**

### **4.1 SOQ Evaluation**



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MDOT will initially review the SOQs for responsiveness to the requirements of this RFQ. The information in the SOQ will then be measured against the evaluation criteria described in Section 3. Submitter's SOQ response shall be complete based on the RFQ requirements. A non-responsive or partially non-responsive SOQ missing required information may result in a "fail".

### **4.2 SOQ Scoring**

MDOT will evaluate all responsive SOQs and measure each Submitter's response against the project goals and evaluation criteria set forth in this RFQ, resulting in a numerical score for each SOQ. The scoring will be distributed as described in Section 3 and summarized below:

- a) Proposed Work Plan (40 Points):
- b) Qualifications of Team (30 Points):
- c) Submitter Experience (30 Points):

### **4.3 Determining Qualified Submitters**

MDOT will total the scores for each responsive SOQ and prepare a ranked list of Submitters. To be qualified to bid, Submitters must attain a minimum score of 85.

MDOT reserves the right, in its sole discretion, to cancel this RFQ, issue a new RFQ, reject any or all SOQs, seek or obtain data from any source that has the potential to improve the understanding and evaluation of the responses to this RFQ, seek and receive clarifications to an SOQ and waive any deficiencies, irregularities or technicalities in considering and evaluating the SOQs.

This RFQ does not commit MDOT to enter into a contract or proceed with the procurement of the Project. MDOT assumes no obligations, responsibilities and liabilities, fiscal or otherwise, to reimburse all or part of the costs incurred by the parties responding to this RFQ. All such costs shall be borne solely by each Submitter.

### **4.4 Notification of Qualification**

The evaluation results will be posted on MDOT's website. Only the names of the qualified bidders that obtained at least the minimum score will be listed. Each Submitter will receive their individual score sheet from MDOT via facsimile or e-mail within five working days of the evaluation results being posted.

### **4.5 Debriefing**

Feedback may be provided via face to face meeting, phone or email at the discretion of the Project Manager however, it will not be provided until after the award of the contract.

## **5.0 SOQ SUBMITTAL REQUIREMENTS**

The following section describes requirements that all Submitters must satisfy in submitting SOQs. Failure of any Submitter to submit their SOQ as required in this RFQ may result in rejection of its SOQ.

### **5.1 Due Date, Time and Location**

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SOQ's are due on January 26, 2018 at 4 P.M. EST. Any SOQ that fails to meet the deadline or delivery requirement will be rejected without opening, consideration or evaluation.

MDOT will not accept SOQs by facsimile.

SOQ's shall be delivered to the MDOT Project Manager via email. The file size of the SOQ shall be limited to 10 MB.

SOQ's shall be delivered to the following person:

Terry Stepanski, P.E.  
Michigan Department of Transportation, Project Manager  
[stepanskit@michigan.gov](mailto:stepanskit@michigan.gov)

## 5.2 Format

All SOQ's must comply with the following:

- a) The SOQ must not exceed 15 single-sided pages. The page limit includes the letter described in Section 3.1.
- b) Pages shall be 8 ½ inches by 11 inches.
- c) Font must be a minimum of 12 point.
- d) All pages must be numbered continuously throughout and in the format of "Page 1 of \_".
- e) Graphics are allowed within established page limits.

## 6.0 PROCUREMENT PHASE 2

The second phase of the project will be the project advertisement for a minimum of ~~eight-six~~ weeks for the June 1, 2018 letting. Qualified bidders will be required to adhere to the Electronic Bidding Requirements listed on the MDOT website.