Missouri
Department
of Transportation

MoDOT

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May 30, 2008

Dear Consultant:

The Missouri Highways and Transportation Commission is requesting the services of a consulting engineering firm to perform the described professional services for the project included on the attached list.

If your firm would like to be considered for these consulting services, you may express your interest by responding to the appropriate office, which is indicated on the attachments. Limit your letter of interest to no more than two pages. This letter should include a statement to indicate why your firm is interested in the project. It should also include any other information which might help us in the selection process, such as the persons or team you would assign to each project, the backgrounds of those indivudals, and other projects your company has recently completed or are now active. We will utilize the consultant information already on file so we will not need a lengthy submittal of other general company information.

DBE firms must be certified by the Missouri Department of Transportation in order to be counted as participation towards an established DBE Goal. We encourage DBE firms to submit letters of interest as prime consultants for any projects they feel can be managed by their firm.

We request all letters be received by 3:00 pm, June 13, 2008 at the appropriate office.

Sincerely,

Dave Nichols
Director of Program Delivery

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Attachment

cc: Mr. Ed Hassinger-d6
Ms. Kathy Harvey-de
Mr. Dennis Heckman-br
Mr. Lester Woods-cm

DISTRICT OFFICES

District 6
Greg Horn, MRB Project Director
Missouri Department of Transportation
1590 Woodlake Drive
Chesterfield, MO 63017

Gregory.Horn@modot.mo.gov
Email responses are encouraged

REQUEST FOR PROPOSAL

NEW MISSISSIPPI RIVER BRIDGE PROJECT
at St. Louis Missouri

This document constitutes a request for sealed proposals from qualified organizations to provide Subsurface Utility Engineering (SUE) services for MoDOT within the limits of the proposed I-70 cable stay bridge & approach spans project and the interchange project located approximately 0.8 miles upstream of the Martin Luther King Bridge in downtown St. Louis, as shown on project website: www.newriverbridge.org. The SUE work will be divided up in two phases. Phase I limits are North Broadway to Mississippi River (I-70 bridge project: J6I0984) & Phase II limits are west of North Broadway (I-70 interchange project: J6U1086).

MoDOT is currently in the negotiation process to retain consultants to design the New MRB project and the new interchange project. Soon both consultants will be under contract. The intent of the SUE RFP is to obtain the necessary utility information in an expedient manner in order for both consultants to rapidly move forward in the design process.

Organization of this RFP is as follows:

I. PROPOSAL SUBMISSION & DUE DATE
II. GENERAL SCOPE OF WORK
III. DELIVERABLES
IV. PROPOSAL EVALUATION CRITERIA
V. SCHEDULE

I. PROPOSAL SUBMISSION & DUE DATE

Proposals in response to this request must be received by 3:00 P.M. June 13, 2008 at the address listed below and shall be no more two (2) pages in length. Proposals received after this time will be returned unopened. Submissions of proposal by e-mail will be accepted.

This request for proposals does not commit MoDOT to award a contract, to pay any costs incurred in the preparation of a response to this invitation, or to procure or contract for services or supplies. MoDOT reserves the right to accept or reject any or all responses received as a result of this request, or to cancel this request in part or in its entirety if deemed in the best interests of MoDOT. All proposal material submitted shall become the property of MoDOT.

If your firm wishes to be considered for this project, three (3) copies and one (1) electronic copy (pdf) of the proposal should be received at the following address by the time specified above:

Missouri Department of Transportation
1590 Woodlake Drive
Chesterfield, MO 63017
Attn: Mr. Greg Horn, MRB Project Director
E-mail address: Gregory.Horn@modot.mo.gov

All questions concerning this RFP should be directed to: Mr. Ron Leible (MRB Utility Coordinator) at (314) 340-4244. E-mail address is Ronald.Leible@modot.mo.gov.

II. GENERAL SCOPE OF WORK

The Subsurface Utility Engineering (SUE) consultant shall perform all the necessary tasks required to identify the type, size and the ownership of all existing, abandoned, and/or out of service underground and overhead utilities, and to establish their precise location within the proposed limits of the New Mississippi River Bridge Project in Missouri, as shown on project website: www.newriverbridge.org/login.asp. (UserID: nmrb & Password: delta431) SUE work will be performed in phases. **Phase I limits: North Broadway (under proposed bridge) to Mississippi River. Phase II limits: All other areas of proposed work, east of North Broadway and along North Broadway at Cass.**

This process shall be conducted in accordance with industry methods and practices and shall be approved by MoDOT prior to performance. It shall also include verification of all necessary records research, field investigations (designations), test holes/potholes (locating), surveying, and mapping for merging (utilizing MoDOT's survey control) into the highway project plans.

MoDOT Responsibilities:

Provide a preliminary list of utility companies and addresses for utilities that may have facilities located within the project limits. This list may not be 100% accurate and/or complete.

Provide Consultant with utility responses gathered during the initial contact with utility companies on the MRB project when quality level D was performed by MoDOT.

Render assistance when necessary in persuading utility owners to allow access to pertinent records or facilities. If requested, provide letter of introduction to utilities, to assist the Consultant in establishing the need for their presence in a particular area.

Provide survey control for purposes of tying the horizontal and/or vertical position of the designating utilities to the State Plane Coordinate System and the project limits. If available, MoDOT will also furnish hard copies of the following microfilm plans in

the project limits: MoDOT highway right of way highway plans and MoDOT lighting, traffic signal and ITS plans.

Furnish preliminary highway plans showing areas requiring test holes when utility quality A is requested for specific utility location.

Provide Consultant with a meeting location to have a SUE kick-off meeting with utility companies having facilities within the project limits.

Meet with Consultant on a regular basis (bi-weekly) after SUE work has commenced to discuss SUE schedule, project schedule and project goals.

Consultant Responsibilities:

Utility Quality Level D- Information derived from existing records or oral recollections (ASCE Standard 38-02).

- The Consultant shall take the appropriate steps to identify all known and unknown utility facilities within the project limits. Some sources of information may include utility owners, visual site inspection, internet search, Public Service Commission, City Clerk's office, etc.

Utility Quality Level C- Information obtained by surveying and plotting visible above-ground utility features and by using professional judgment in correlating this information to quality level D (ASCE Standard 38-02). Consultant may need to complete portions of utility quality level D in order to complete quality level C.

- The Consultant shall obtain all necessary permissions or permits from MoDOT, city, railroads or other entities to allow the Consultant to work on existing streets, roads and private property for the purpose of marking, measuring, and recording the location of existing above ground utilities.

Utility Quality Level B- Information obtained through the application of appropriate surface geophysical methods to determine the existence and approximate horizontal position of subsurface utilities. Quality level B data should be reproducible by surface geophysics at point of their depiction. This information is surveyed to applicable tolerances defined by the project and reduced onto plan documents (ASCE Standard 38-02). The Consultant may need to complete portions of utility levels C and D in order to complete quality level B.

The consultant shall:

- Obtain all necessary permissions or permits from MoDOT, city, railroads or other entities to allow the Consultant to work on existing streets, roads and private property for the purpose of marking, measuring, and recording the location of existing underground utilities.

- Designate, record, and mark the horizontal location of all existing underground utilities and their major laterals to existing buildings. It should be noted that Metropolitan St. Louis Sewer District (MSD) has combined storm and sanitary sewers in the limits of the project as well as storm only sewers. The Consultant is expected to designate MSD's storm facilities, MSD's combined facilities and also MoDOT's storm's facilities, as quality level B work.
- Provide all necessary equipment and support personnel, including surveying capability, to secure the data outlined in this section.
- All survey work will be the responsibility of the Consultant.

Utility Quality Level A- Precise horizontal and vertical location of utilities obtained by the actual exposure (or verification of previously exposed and surveyed utilities) and subsequent measurement of subsurface utilities, usually at a specific point. Minimally intrusive excavation equipment is typically used to minimize the potential for utility damage. A precise horizontal and vertical location, as well as other utility attributes, is shown on plan documents. Accuracy is set at approximately 5/8" vertical and to applicable horizontal mapping accuracy as defined by the project owner (ASCE Standard 38-02). Consultant may need to complete portions of utility quality levels B, C, and D in order to complete utility quality A.

The Consultant shall:

- Review plans furnished by MoDOT showing areas requiring test holes within the project limits. Recommend changes to MoDOT's location plan base upon SUE best practices. Obtain additional information as required.
- Obtain all necessary permissions or permits from MoDOT, city, railroads or other entities to allow the Consultant to work on existing streets, roads and private property for the purpose of marking, measuring, and recording the location of existing underground utilities.
- Comply with any and all State law requirements for notification prior to excavation. In conformance with Missouri ONE CALL-members and also contact directly with all non-members of Missouri ONE CALL.
- Coordinate with utility company inspectors as required.
- Neatly cut and remove existing pavement, as per state or local governments requirements. Excavate using a method enabling vertical and horizontal exploration through this cut.
- Excavate test holes in such a manner as to prevent any damage to wrappings coatings, or other protective coverages, such as vacuum excavation or hand-digging, etc.
- Be responsible for any damage to the utility during the excavation.
- Backfill with approved material around utility structure per state or local requirements.
- Furnish and install an above ground marker (i.e. P.K. nail, peg steel pin or hub) directly above the centerline of the utility and record the elevation of the marker.

- Provide a permanent restoration of the pavement within the limits of the original cut at the time of backfill. If this test hole is excavated in an area other than the roadway pavement, then the area disturbed shall be restored to equal or better than the condition before excavation.
- Tie all vertical elevations to a minimum of two check benchmarks or available datum. The accuracy of these turns shall be in accordance with established surveying practices. Vertical surveying of underground utilities shall be accurate to 5/8".
- All survey work will be the responsibility of the Consultant
- Provide the traffic control per state or local government requirements. Work in timelines of permit requirements.
- Maintain the quality of the permanent pavement restoration for 3 years.

III. DELIVERABLES

The Consultant shall complete work and deliver SUE services within the mutually agreed upon time after the notice to proceed is given.

1. The final deliverables shall be sealed by a licensed professional civil engineer. This professional must be registered in the State of Missouri. The Consultant is responsible for the accuracy of all information presented to MoDOT.
2. Copies of all deliverables shall be sent to MoDOT's MRB Utility Coordinator.
3. Horizontal utility depictions shall be in accordance to the conventions indicated in MoDOT's Engineering Policy Guide. CADD files shall be submitted to MoDOT on CD in CADD format utilitizing MoDOT's current version of Microstation. (Utility Quality level B)
4. For all test holes performed, the following information shall be submitted to MoDOT on CD in CADD format utilizing MoDOT's current version of Microstation. Test hole information shall be submitted in a spreadsheet format coordinated with test hole locations depicted on the plans sheets. A paper copy shall be provided as a final deliverable. (Utility Quality level A and B)
    - Elevation of top and/or bottom of utility tied to datum of the furnished plan.
    - Elevation of existing grade over the utility at the test hole.
    - Horizontal location referenced to project coordinate datum.
    - Outside diameter of pipe or width of duct banks and configuration of non-encased multi-conduit systems.
    - Utility structure material composition and condition, when possible.
    - Size, type and owner of utility facility

IV. PROPOSAL EVALUATION CRITERIA

MoDOT will evaluate firms interested in performing the work based on information contained in proposals received by the specified due date. Interested firms will be evaluated according to the following considerations:

A. Overall Past Performance working with MoDOT

B. Successful past experience on the following items:
   1. SUE Team that worked on similar fast track projects.
   2. SUE Team that has work on similar projects located in old urban settings.
   3. SUE Team that obtained quick access from RR companies to perform SUE work in a timely manner.
   4. SUE Team that has worked with Metropolitan Sewer District or other old sewer districts locating facilities that are not well documented.
   5. SUE Team that has experience locating private utilities on private property.
   6. SUE Team that has an established record of responsiveness to their clients' needs.
   7. SUE Team with a track history of being able to control costs and stay within budget.

C. Understanding the overall scope of SUE work on project
   1. Understanding the scope of work required.
   2. Strength of commitment to meet or exceed MoDOT's expectations.
   3. General organization and clarity of the proposal.

D. Firm Capability/Capacity and Project Team Experience
   1. Firm's organizational structure and flexibility
   2. Qualifications and ability of key personnel assigned to the project
   3. Experience on similar projects

E. Working location and arrangements
   1. Project Manager's work location
   2. Accessibility of the project team.

V. SCHEDULE

Proposals Due	June 13, 2008
Notification of Selection	June 20, 2008
Scoping Meeting	June 25, 2008
Contract Negotiations Completed	July 11, 2008
Contract Approval / Notice to Proceed	July 25, 2008
MoDOT receives deliverables for Phase I level B work	August 29, 2008
MoDOT receives deliverables for Phase I level A work	September 26, 2008
MoDOT receives deliverables for Phase II level B work	October 17, 2008
MoDOT receives deliverables for Phase II level A work	November 21, 2008