



Good Life. Great Journey.

DEPARTMENT OF ROADS

Request for Qualifications

Professional Services for Construction Engineering for South Omaha Bridge Over Missouri River and Decatur Bridge Over Missouri River

October 2016

GENERAL

In accordance with Nebraska Consultants' Competitive Negotiation Act ([Neb. Rev. Stat. §81-1702](#)), the Brooks Act ([40 USC 1101](#)), and [23 CFR 172.5](#), the State of Nebraska, Department of Roads (NDOR), is issuing a Request for Qualifications (RFQ) for Construction Engineering for the 2 bridge projects listed above. Qualified consultants are invited to submit a statement of qualifications as outlined below. The NDOR's website referred to in this document is located at: <http://www.transportation.nebraska.gov/rfp/>

All consultants interested in providing professional services for the NDOR are strongly encouraged to review the NDOR's template [Standard Professional Services Agreement, example Fees and Payments Exhibit](#), and [Insurance Requirements for Professional Service Providers](#) prior to responding to this RFQ.

By submitting a statement of qualifications (SOQ) in response to this RFQ, Consultant, and all subconsultants, agree to meet the substantive requirements of these documents. These documents can be found on NDOR's website. An agreement will not be executed unless consultant provides proof of meeting the insurance requirements in the form of an [Insurance ACORD](#).

This RFQ does not commit the NDOR to award a contract, to pay any costs incurred in the preparation of a SOQ for this request, or to procure or contract for services. The NDOR reserves the right to award contracts to more than one qualified consultant, to accept or reject any or all Qualifications received as a result of this request, to negotiate with any qualified consultant or to modify or cancel in part or in its entirety the RFQ, if it is in the best interest of the NDOR to do so.

In accordance with Nebraska Revised Statute [84-712](#) et.seq., Nebraska Public Records Act, documents provided to NDOR are public records subject to disclosure unless consultant requests in writing that documents must be kept confidential and can demonstrate that such records are confidential under federal or state law.

SCOPE OF SERVICES

Standard Work Category: 109 Construction Engineering for A. Bridge and B. Roadway
Information regarding the Standard Work Categories can be found on NDOR's website.
Construction Engineering Services for the projects outlined below.

Decatur, Nebraska – Onawa, Iowa, CN 32250, STP-51-7(1006)

Project Description: This project will resurface 0.16 miles of N-51 located in Burt County, starting 0.28 miles east of the north Junction N-51 with US-75, at mile marker (MM) 36+28, and extending east to MM 36+44, 0.04 miles west of the east Corporate Limits of Decatur. Construction may begin and/or end approximately 200 feet ahead of or beyond the actual project limits to accommodate transitioning the pavement. The existing roadway on this segment of N-51 consists of two 10 foot wide asphalt lanes between segments of 3 inch curb and 8 foot wide earth shoulders beyond the curb.

Roadway improvements on this project consists of milling and resurfacing the roadway with asphalt, and removing and replacing guardrail. Asphalt surfaced shoulders with curb and flume will be constructed where warranted.

Bridge work includes cleaning and painting the existing bridge superstructure and Steel Bents No. 1 and No. 2 to the limits shown on the plans; removal of paint and rust from all portions of the existing bridge as required in the plans; construction of any required containment facilities; collection, site storage and disposal of debris generated during the removal of paint and rust from the structure; floor beam repairs; gusset plate edge stiffener angles; deck truss lower chord strengthening at gusset plates; navigation and overhead lighting repairs; east abutment bearing repairs; pier 3 repairs; bridge rail repairs; miscellaneous repairs.

Plans and specifications are available on NDOR's website as shown under **Schedule**.

South Omaha Bridge over the Missouri River, CN 22631, STR-275-7(1045)

Project Description: This project will repair S275 19041 over the Burlington Northern / Santa Fe Railroad, Gibson Road, South 10th Street and the Missouri River. The clear roadway width for this structure is 74 feet, with four 12 foot wide driving lanes, a raised center median, and 10 foot shoulders and a 10 foot wide sidewalk.

The work on this project includes painting of the weathering steel truss in the splash zone (12-feet above the bridge deck and all exposed steel below the deck), application of an epoxy polymer overlay, miscellaneous maintenance repairs and the addition of features on the bridge to improve inspection access for future bridge inspections.

Plans and specifications are available on NDOR's website as shown under **Schedule**.

Overview of the work

The Consultant(s) will perform construction engineering services for one or both projects listed above.

Services may include, but are not limited to, the following:

1. Project management and painting inspection services.
2. Conduct the preconstruction conference
3. Conduct pre-painting conference with the contractor
4. Review traffic control plans
5. Prepare daily work reports
6. Provide construction inspection
7. Provide materials sampling and testing during project construction
8. Monitoring, communicating, and enforcing environmental commitments due to construction and painting.
9. Prepare progress estimates
10. Prepare quantity computations and final computations
11. Prepare contractor change orders and work orders
12. Prepare as-built plans
13. Project communications and documentation

Qualifications, Knowledge and Experience

1. All work shall be completed by or under the direct supervision of a Nebraska licensed professional engineer. The Consultant shall use engineers and inspectors experienced with all aspects of construction management and inspection, contract management, painting inspection, and environmental commitments and requirements.
2. The Consultant shall review and have a working knowledge of the project plans, special provisions, SSPC Specifications, FHWA Field manual for Bridge Painting inspection, standard specifications (NDOR's Standard Specifications for Highway Construction (Current Edition)), change orders and all other project related contract documents for the construction of projects.
3. The firm(s) selected shall provide Engineer(s) and inspection staff that shall:
 - a. Possess current SSPC BCI Level 1 certification (or equivalent third party certification approved by the SSPC Certification Manager)
 - b. Possess current NACE CIP Level 1 certification with Bridge Emphasis (or equivalent third party certification approved by the NACE Certification Manager)
 - c. Ensure that all inspection personnel on the active work site have the above qualifications during the painting operation.

- d. Review and have a working knowledge of the current editions of the following authoritative guides and manuals, available at <http://www.transportation.nebraska.gov/project-managers/>, related to highway construction, materials:
- i. NDOR Construction Manual
 - ii. Materials Sampling Guide (NDOR)
 - iii. Standard Methods of Tests – 2006 (NDOR)
 - iv. The Manual on Uniform Traffic Control Devices
 - v. AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing
 - vi. The ASTM Standards
 - vii. NDOR Final Review Manual
 - viii. 2014 PM Best Practice Manual (and Updates)
 - ix. ECODatabase (ECOD)
 - x. FHWA Field manual for Bridge Painting inspection
- e. Assume the duties of “Inspector”, (also referred to in the NDOR Construction Manual as “Construction Technician”); “Project Manager;” and also “Engineer” (unless the context of use of the term “Engineer” would otherwise require), as those terms are defined and duties set out in the Standard Specifications for Highway Construction (2007 Edition). Consultant shall assume that it is responsible for all duties of the “Engineer” unless notified otherwise by the State.
- f. Employ a sufficient number of qualified employees on the project(s) to adequately observe, monitor, inspect, measure, manage, document, report and carry out the other duties of this agreement, so that the project is constructed by the contractor in compliance with the Construction Contract Documents, the Manuals, State and Federal law, rules or regulations and policy. Materials testing shall be carried out by a [qualified laboratory](#).
- g. Attend weekly contractor meetings and partnering meetings led by the project contractor. In addition, the Consultant shall attend meetings with the District construction staff (frequency to be determined) for an on-going review of project documentation.

Software and Equipment Requirements

1. The Consultant is required to use AASHTOWare Project as the construction record-keeping system for services.
2. Consultant shall provide its own vehicles, equipment, materials, and supplies necessary to complete the services.
3. Reports and documents must be submitted in a form compatible with Microsoft Office products unless otherwise directed.
4. The Consultant will provide all software and computer equipment required to complete the services.
5. The Consultant will furnish all equipment required to properly perform the inspection

services listed below

- a. One bound copy of the Steel Structures Painting Council surface preparation specification, SSPC SP-1– Solvent Cleaning.
- b. One bound copy of the Steel Structures Painting Council surface preparation specification, SSPCSP 10 – Near-White Metal Blast Cleaning.
- c. One bound copy of the Steel Structures Painting Council pictorial standards, SSPC-VIS 3, Guide and Reference Photographs for Steel Surfaces Prepared by Hand and Power Tool Cleaning.
- d. One bound copy of the most current Steel Structures Painting Council pictorial standards, SSPC-VIS1, Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning.
- e. One bound copy of the Steel Structures Painting Council method SSPC-PA2, Paint
- f. Application Specification No. 2 - Measurement of Dry Film Thickness with Magnetic Gages.
- g. One copy of ASTM D4417 Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel.
- h. One copy of ASTM D4285-83 (1999) Test Method for Indicating Oil or Water in Compressed Air.
- i. One Air Thermometer, pocket type, 10°F to 110°F.
- j. One noncontact Infrared Thermometer, 10°F to 110°F.
- k. One Contact Thermometer, 10°F to 110°F.
- l. One Paint Thermometer, 10°F to 110°F.
- m. One Magnetic Dry-Film Thickness Gage, Type 2 (as defined per SSPC PA-2), with a display capable of measuring 0 to 60 mils in 0.1 mil increments, with calibration shims.
- n. Two Wet-Film Thickness Gages, Prong Type, capable of measuring 1 to 10 mils in 1 mil increments.
- o. Digital Psychrometer
- p. Profile micrometer with replica tape appropriate for the surface profile being measured.

Expectations for the Deliverables

1. Consultant shall perform the service described in this scope of services using AASHTOWare Project as the construction record- keeping system.
2. The Consultant shall be present at the project site when appropriate for each applicable phase of construction to inspect, observe, monitor, measure, manage, document and report on the progress of the work.
3. Consultant shall fulfill all project duties in a timely manner and shall communicate regularly about the progress of the construction with the District personnel.
4. Consultant is not responsible for the Contractor's means and methods of

construction. To the extent the Construction Contract Documents and the Manuals specify sequencing of work, equipment requirements, or other construction methods, the Consultant shall keep the State informed about the progress and quality of the work and shall advise the State about observed or measured deficiencies in the work.

5. Unless required otherwise by the Construction Contract Documents, Consultant shall be responsible for timely completion of all applicable checklists, tests, samples, duties, requirements and provisions of the Manuals. The Manuals will be used to determine what, when, how, the sequence, and other details of the work that must be provided by Consultant, whenever Consultant's duties in these respects are not clearly set out in the Construction Contract Documents.
6. The Consultant will promptly review and approve or reject all construction work on the project, with the right, but not the duty, for the State or FHWA to review for compliance or funding eligibility.
7. Consultant shall be prepared to submit, upon request by the State, copies of all reports of field tests performed by the Consultant. Consultant will take prompt and appropriate action to reject or cause Contractor to remedy the work or materials that do not conform to the contract documents. Additionally, Consultant shall promptly notify State of work that doesn't conform to the contract documents.
8. The sampling and testing type, method and frequency must be completed by Consultant according to the current State of Nebraska Manuals, including the Materials Sampling Guide and the State Standard Methods of Tests (www.transportation.nebraska.gov), and the Construction Contract Documents. For sampling or testing issues or situations that are not covered in the Construction Contract Documents or the Manuals, Consultant shall notify State, provide its advice and request that State can decide what testing type, method or frequency should be applied for this project. Materials testing shall be carried out by a qualified laboratory.
9. Upon completion of the project(s), the Consultant shall certify in writing that the project(s) is complete and prepare a letter of tentative acceptance to the Department.

Schedule

The anticipated construction schedule projects is as follows;

South Omaha Bridge – the letting was held 9-1-16, tentative start date 4/3/2017. Plans and specifications are available at

<https://www2.dor.state.ne.us/storefront/Store/tabid/78/CatID/936/20027571045.aspx>

Decatur Bridge – the letting date is anticipated on 11-10-16, tentative start date 3/27/2017. Plans and specifications are available at

<https://www2.dor.state.ne.us/storefront/Store/tabid/78/CatID/996/3105171006.aspx>

DETAILS

It is anticipated that one (1) or two (2) consultant will be awarded the contracts for this work. The payment method for the contract will be Cost Plus Fixed Fee.

A minimum of three (3) consultants will be short-listed for interviews. The evaluation criteria to be used for the short-listing and final selection is outlined below.

The NDOR reserves the right to abandon or terminate any contract at any time and either re-advertise services or utilize its own forces. The NDOR also reserves the right to accomplish services for future phases on all projects with the selected consultant, select another consultant, or utilize its own forces.

The NDOR will not hold a briefing. All information is contained within this RFQ and on the NDOR's website. If additional information is deemed necessary, it will be posted on the same web page as this RFQ and will be labeled as an update. Consultants interested in this RFQ are responsible for checking for updated information.

Interested consultants must have a current [DR Form 497, "Architect, Engineer, and Related Services Certification Form"](#) on file with the NDOR prior to the deadline identified in the Schedule of Activities. If necessary, a completed DR Form 497 should be submitted to: DOR.PDAnnualCertification@nebraska.gov.

Please submit the Drug-Free Workplace Policy separate from the response to this RFQ ([Drug Free Workplace Policy Example](#)). The Drug-Free Workplace Policy is a one-time submittal to NDOR. Please do not re-submit this document unless your Policy has changed or you never have submitted this document with a previous proposal. While the "Drug-Free Workplace Policy" is not a submittal requirement, all consultants must have an acceptable "Drug-Free Workplace Policy" on file prior to the deadline identified in the Schedule of Activities. If necessary, the consultant's Drug-Free Workplace Policy may be submitted to: DOR.PDAnnualCertification@nebraska.gov

Please do not call or write NDOR staff for information regarding the services in this RFQ. Email all inquiries/questions to Randy Eldorado, Consultant Services Engineer, at: randy.eldorado@nebraska.gov or call (402) 479-4778.

EVALUATION CRITERIA

Short List (100 pts)

A. QUALIFICATIONS (40 PTS)

1. Qualifications of the project manager and key team members to perform the services described in the Scope of Services.
2. Consultant's knowledge and understanding of environmental commitments identified in the project plans and specifications.
3. Consultant has demonstrated they will allocate appropriate and sufficient staff resources or qualified subconsultants to meet project objectives and schedules.

4. Qualifications and capability of key subconsultants to perform the services outlined in this RFQ.

B. PERFORMANCE DATA (25 PTS)

1. Cooperation, communication, and timeliness of deliverables with NDOR on previous projects. If the consultant’s team has no experience with NDOR, the consultant should include three (3) references in proposal, including contact information, that have directly been involved with similar services.

C. UNDERSTANDING OF THE SERVICES TO BE PROVIDED (35 PTS)

1. Consultant has demonstrated understanding of the key elements of the work
2. Consultant has provided comparable projects for which they have been involved.

Final Selection (100 pts)

A. QUALIFICATIONS (30 PTS)

1. Qualifications of the project manager and key team members to perform the services described in the Scope of Services.
2. Consultant’s knowledge and understanding of environmental commitments and reference documents outlined in this RFQ.
3. Consultant has demonstrated they will allocate appropriate and sufficient staff resources or qualified subconsultants to meet project objectives and schedules.
4. Qualifications and capability of key subconsultants to perform the services outlined in this RFQ.

B. UNDERSTANDING OF THE SERVICES TO BE PROVIDED (30 PTS)

1. Consultant has demonstrated understanding of the key elements of the work
2. Consultant has provided comparable projects for which they have been involved.

C. QUALITY OF INTERVIEW (40 PTS)

1. Consultant’s interview was clear and concise.
2. Consultant addressed evaluation factors adequately.
3. Consultant answered committee questions logically and thoroughly.

SCHEDULE OF ACTIVITIES	Date	Time
RFQ Posted	Oct 26, Nov 2 & 9	
Last Day Updates to RFQ may be posted	Nov 9	5:00 PM
DR Form 497 & Drug-Free Workplace Policy on File at NDOR	Nov 16	5:00 PM
Statement of Qualifications Due	Nov 16	5:00 PM
Post Short-List Consultants & Interview Schedule	Nov 23	5:00 PM
Interviews	Dec 2	9 AM-Noon
Post Final Selections	Dec 7	5:00 PM

SUBMITTAL OF PROPOSALS

All information must be received by the deadline identified in the Schedule of Activities. No exceptions to this deadline will be given.

One (1) hard copy and one (1) electronic copy of the submittal must be sent to the address listed below prior to the submittal deadline. An electronic PDF version of the consultant's proposal must be included with the hard copy submittal, or it can be emailed to brad.reid@nebraska.gov.

Consultant Services Engineer
Nebraska Department of Roads
Planning and Project Development Division
1500 Highway 2, PO Box 94759
Lincoln NE
PO Box ZIP Code: 68509-4759 Shipping ZIP Code: 68502

Submittals are to include the following in the order given below:

1. Front cover to include the consultant, subconsultants (if applicable), and number and title of the RFQ.
2. A letter of interest not to exceed one (1) page.
3. Organizational Chart not to exceed one (1) page.
4. A narrative responding to the established evaluation factors not to exceed ten (10) pages.
5. A maximum of five (5) pages of additional supportive material such as charts, tables, resumes, or photos.
6. [DR Form 498, "Architect, Engineer, & Related Services Supplement to Statement of Qualifications"](#) not to exceed six (6) pages for the consultant and six (6) pages for each subconsultant. A separate DR Form 498 must be submitted for each subconsultant to be used.

Additional submittal requirements are:

1. All material in the submittal must be on 8½ x 11 paper printed single-sided, single or double spaced.
2. Submittal covers and dividers between the sections are allowed and not included in the page limit.
3. Fold-out pages are not allowed.
4. Submittals are to be stapled in the upper left corner. No 3-ring or spiral binders.

INTERVIEWS

Interview date and times for short-listed consultants will be posted on NDOR's website. Interviews will be capped at 20 minutes, followed by up to 10 minutes of Q&A with the selection committee members.

The NDOR will make every effort to post the short-listed consultants and the interview schedule on the NDOR's website prior to the deadline identified in the Schedule of

Activities.

The NDOR selection committee will conduct interviews with the short-listed consultants via telephone/conference call. Consultant may contact the Consultant Services Engineer to make any special arrangements.

Upon completion of all the interviews and approval of the Director, the selected consultant(s) will be notified by posting on NDOR's website. The NDOR will make every effort to post the final selections on the NDOR's website prior to the deadline identified in the Schedule of Activities.

Kyle Schneweis, P.E., Director
Nebraska Department of Roads

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