



DEPARTMENT OF TRANSPORTATION

# Request for Qualifications

**Professional Services for Construction Engineering for I-80, Waco – Utica, Project NH-80-8(157), CN 42792**

August 2019

R1 – August 6, 2019

**Statements of Qualifications are due Wednesday, August 14, 2019, 4:00 P.M.**

## 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 Transportation (NDOT), is issuing a Request for Qualifications (RFQ) for Construction Engineering for Wahoo Viaduct. Qualified consultants are invited to submit a statement of qualifications as outlined below. NDOT's website referred to in this document is located at: <http://www.dot.nebraska.gov/business-center/consultant/>

All consultants interested in providing professional services for NDOT are strongly encouraged to review NDOT's template [Standard Professional Services Agreement](#), [Sample Fees and Payments Exhibit](#), and [Insurance Requirements for Professional Service Providers](#) prior to responding to this RFQ. By submitting a statement of qualifications in response to this RFQ, Consultant, and all subconsultants, agree to meet the substantive requirements of these documents. These documents can be found on NDOT's website. An agreement will not be executed unless consultant provides a current overhead schedule and proof of meeting the insurance requirements in the form of an [Insurance ACORD](#).

This RFQ does not commit NDOT to award a contract, to pay any costs incurred in the preparation of a response to this request, or to procure or contract for services. NDOT reserves the right to award contracts to more than one qualified consultant, to accept or reject any or all responses 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 NDOT to do so.

In accordance with Nebraska Revised Statute [84-712](#) et.seq, Nebraska Public Records Act, documents provided to NDOT 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.

## A. BASIC SCOPE OF SERVICES

Construction Engineering Services are being sought for the Wahoo Viaduct. Standard Work Categories anticipated on this project are:

- 109 Construction Engineering for
  - A. Bridge
  - B. Roadway

202	Engineering Surveying
204	Land Surveying
205	Materials Testing

Information regarding the [Standard Work Categories](#) is available on the NDOT's website.

### C. OVERVIEW OF THE WORK

The Consultant or Consultants will perform construction engineering services, which may include, but are not limited to, the following:

**Project Description:** This project is located on I-80 in York County, starting 0.42 miles west of the grade separation for the Waco Interchange (Exit 360) at mile marker (MM) 359+72, and extending east to MM 365+14, the York/Seward county line. Construction may begin and/or end approximately 1500 feet ahead of or beyond the actual project limits to accommodate transitioning the pavement. The existing roadway on this segment of I-80 consists of four 12 foot wide (asphalt over concrete) lanes separated by a depressed grass median with 12 foot wide outside shoulders, of which 10 feet is paved with asphalt. The inside shoulders are 5 feet wide, of which 3 feet is paved with asphalt. The improvements on the mainline of I-80 on this project consist of concrete repairs, milling and resurfacing the roadway and surfaced shoulders with asphalt and removing and replacing guardrail as necessary. The improvements for structures S080 36153L, S080 36153R, S080 36314L and S080 36314R consist of maintenance work of partial depth deck repairs and replace expansion joints. All ramps and L-93B between the ramp terminals at the Waco Interchange (Exit 360) will be repaired and resurfaced with asphalt.

Scope details include:

- Grading beyond the hinge point will be required for the following work
  - Guardrail
  - Earth shoulder construction
  - Bridges
  - Concrete ditch liner repair
  - Removal and replacement of overhead or ground mounted signs
- The scope of work at culvert sites on this project has been determined, of the forty-two culverts on the project, two will be extended to meet the fixed obstacle clear zone.
- Guardrail
  - Remove and replace guardrail with grading beyond the hinge point.
  - Remove guardrail and regrade foreslope along the eastbound ramp at the Waco Interchange (Exit 360).
- There are currently twelve ground mounted signs on this project. These signs will be removed and replaced with this project.
- Concrete pavement repairs will be made prior to resurfacing.
- The existing asphalt will be milled prior to resurfacing.
- Asphalt patching operations will be performed prior to resurfacing.
- Surfacing will be placed under the guardrail.
- A beveled edge will be constructed on the inside shoulders. The trench widening operation will remove material adjacent to the existing surfacing. This trench will be filled with asphalt.
- The existing earth shoulders will be brought up to match the new asphalt.
- Damaged section of concrete ditch liner will be removed and repaired.

- Project surveying and staking will be required.
- Areas disturbed during construction will be stabilized utilizing NDOR approved erosion control methods. While the total area of disturbance is anticipated to be less than one acre, a Temporary Erosion Control Plan will be required by NDOR Standard Specifications for Highway Construction.
- Rumble strips will be constructed on the resurfaced shoulders.
- Permanent pavement markings will be applied to all new surfacing.
- No additional property rights will be required to build this project.
- Except as follows, this project will be constructed under traffic with lane closures controlled by appropriate traffic control devices and practices.
  - Off Ramps at the Waco Interchange (Exit 360) will be closed to traffic during the milling and resurfacing of the ramps. Traffic will be detoured to the adjacent interchanges.
- Some work will be required to be accomplished at night.

### **Schedule**

The anticipated construction schedule for the project is as follows;

- August 29, 2019 – Letting (tentative)

### **QUALIFICATIONS, KNOWLEDGE AND EXPERIENCE**

- a. All work shall be completed by or under the direct supervision of a Nebraska licensed professional civil engineer. The Consultant shall use engineers and inspectors experienced with all aspects of construction management and inspection, contract management, railroad certification, and environmental commitments and requirements. A PE shall manage and be in responsible charge of the construction project but does not have to be on-site full-time. However, personnel with experience in all aspects of construction management and inspection, construction contract management, and environmental commitments and requirements shall be on-site full time and have access to the Project Manager / PE at all times during construction.
- b. The Consultant shall review and have a working knowledge of the project plans, special provisions, standard specifications (NDOT's Standard Specifications for Highway Construction (Current Edition)), change orders and all other project related contract documents for the construction of Federal-Aid projects. Project plans and specifications will be posted [here](#) on Tuesday, August 6. **Please click [here](#) to see project plans and specifications.**
- c. Consultant shall review and have a working knowledge of the current editions of the following authoritative guides and manuals, available at <https://dot.nebraska.gov/business-center/pm/>, related to highway construction, materials and Federal-Aid reimbursement:
  - [Construction Manual](#)
  - [Materials Sampling Guide](#)
  - [Specifications for Highway Construction](#)
  - [Standard Methods of Tests](#)
  - [Construction Project Manager Materials Compliance Guide](#)
  - [The Manual on Uniform Traffic Control Devices](#)

- AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing
  - The ASTM Standards
  - [Final Review Manual](#)
  - [2019 PM Best Practice Manual](#)
  - [LPA Manual – Chapter 12 checklists](#)
  - [ECODatabase \(ECOD\)](#)
  - [2017 Final Review Manual](#)
- d. Consultant shall be qualified to assume the duties of “Inspector”, (also referred to in the NDOT 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 (2017 Edition). Consultant shall assume that it is responsible for all duties of the “Engineer” unless notified otherwise by the State.
- e. Consultant shall employ a sufficient number of qualified employees on the project 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, rule or regulation and policy. Materials testing shall be carried out by a [qualified laboratory](#).
- f. Consultant shall attend weekly contractor meetings and partnering meetings led by the project contractor. In addition, the Consultant shall attend meetings with District 1 construction staff (frequency to be determined) for an on-going review of project documentation.
- g. Contractor will be performing the construction staking, however, the Consultant shall be prepared to perform and surveying, measuring, and staking necessary for verify and accept the contractors work, and project documentation.

### **Software and Equipment Requirements**

- a. The Consultant is required to use Trans\*Port Site Manager as the construction record-keeping system for services and Hyland OnBase as the document retention system
- b. Consultant shall provide its own vehicles, equipment, materials, and supplies necessary to complete the services.
- c. Reports and documents must be submitted in a form compatible with Microsoft Office products unless otherwise directed.
- d. The Consultant will provide all software and computer equipment required to complete the services.

### **Expectations for the Deliverables**

- a. Consultant shall perform the service described for this scope of services using Trans\*Port Site Manager as the construction record-keeping system

- and OnBase as the document retention system.
- b. 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.
  - c. Consultant shall fulfill all project duties in a timely manner and shall communicate regularly about the progress of the construction with District 1 personnel.
  - d. 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.
  - e. 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.
  - f. 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.
  - g. 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.
  - h. 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](http://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](#).
  - i. Upon completion of the project, the Consultant shall certify in writing that the project is complete and prepare a letter of tentative acceptance to the Department within the specified timeframe.

## DETAILS

It is anticipated that one (1) consultant will be awarded the contract for this work. The payment method for the contract may be Cost Plus Fixed Fee or Specific Rates of Compensation.

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.

***NDOT reserves the right to abandon or terminate any contract at any time and either re-advertise services or utilize its own forces. NDOT 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.***

NDOT will not hold a briefing. All information is contained within this RFQ and on NDOT'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 [NDOT Form 497, "Architect, Engineer, and Related Services Certification Form"](#) on file with NDOT prior to the deadline identified in the Schedule of Activities. If necessary, a completed NDOT Form 497 should be submitted to: [NDOT.PDAnnualCertification@nebraska.gov](mailto:NDOT.PDAnnualCertification@nebraska.gov).

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

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

## **EVALUATION CRITERIA**

### ***Short List (100pts)***

#### **1. Qualifications (40 pts)**

- Level of understanding and experience with Trns•port Site Manager software, construction inspection services, and Federal-aid procedures and requirements for transportation construction projects.
- Firm organizational chart of personnel that will be working on the project.

#### **2. Performance Data (40 pts)**

- Firm has provided a client reference list and contacted reference feedback has been positive.
- Firm's experience on previous or related work. Emphasis should be given to Federal-aid projects completed within the last 5 years.

#### **3. Understanding of the Project (20 pts)**

- Firm has demonstrated understanding of key elements of federally funded construction engineering projects.
- Firm has provided comparable services with which they, and current staff, have been involved.

**Final Selection (100 pts)****1. Qualifications (40 pts)**

- Level of understanding and experience by the consultant's project manager and inspection staff with Trns•port Site Manager software, construction inspection services, and materials testing requirements.
- Firm organizational chart of personnel that will be working on the project.

**2. Performance Data (30 pts)**

- Firm has provided a client reference list and contacted reference feedback has been positive.
- Firm's experience on previous or related work. Emphasis should be given to Federal-aid projects completed within the last 5 years.

**3. Understanding of the Project (20 pts)**

- Firm has demonstrated understanding of key construction elements of the project.
- Firm has provided similar services on previous federal aid construction projects with which they have been involved.

**4. Quality of Interview (10 pts)**

- Questions were clearly and concisely answered by consultant.

<b>SCHEDULE OF ACTIVITIES</b>	<b>Date (2019)</b>	<b>Time</b>
RFQ Posted	July 31, August 7	
Last Day Updates to RFQ may be posted	August 7	4:00 PM
NDOT Form 497 & Drug-Free Workplace Policy on File at NDOT	August 7	4:00 PM
<b>Statement of Qualifications Due</b>	<b>August 14</b>	<b>4:00 PM</b>
Post Short-List Consultants & Interview Schedule	August 23	4:00 PM
Interview	September 3	1:00 PM-
Post Final Selections	September 6	4:00 PM

**SUBMITTAL OF QUALIFICATIONS**

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

One (1) electronic copy of the submittal must be emailed to [NDOT.PDRFQinfo@nebraska.gov](mailto:NDOT.PDRFQinfo@nebraska.gov).

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 five (5) pages.
5. A maximum of five (5) pages of additional supportive material such as charts,

tables, resumes, or photos.

6. [NDOT 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 NDOT Form 498 must be submitted for each subconsultant to be used.
7. Verification that consultant and all subconsultants have submitted their indirect cost rates and certifications for their latest fiscal year. Latest fiscal year means the last fiscal year with an end date no more than 6 months in the past.

Additional submittal requirements are:

1. All material in the submittal must be formatted for 8½ x 11 paper, single or double spaced.
2. Submittal covers and dividers between the sections are allowed and not included in the page limit.
3. Fold-out or oversized pages are not allowed.

### **INTERVIEWS**

Interview date and times for short-listed consultants will be posted on NDOT's website. Interviews will be capped at 15 minutes, followed by up to 5 minutes of Q&A with the selection committee members.

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

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

Upon completion of all the interviews and approval of the Deputy Director, the selected consultants will be notified by telephone. NDOT will make every effort to post the final selections on NDOT's website prior to the deadline identified in the Schedule of Activities.

Kyle Schneeweis, P.E., Director  
Nebraska Department of Transportation  
*EQUAL OPPORTUNITY EMPLOYER*