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DEPARTMENT OF TRANSPORTATION

# Attachment A – Project Information

**Professional Services for a 4-lane Facility,  
Nebraska City – Murray, Control No. 13615,  
Project No. S-75-2(1083)**

## SCOPE OF SERVICES

### A. PROJECT LOCATION

The project is located within Otoe and Cass Counties, beginning at the west interchange of US-75 with N-2 at approximately US-75 reference post (RP) 49.35, and extending north to just south of the junction of US-34 with N-1 at approximately US-34 RP 373.05 (up to the beginning of the existing four-lane highway). Highway US-75 merges with US-34, just the east of Union at US-34 RP 366.38 and US-75 RP 59.10 within the project limits. See Attachment C – Location Map.

### B. OVERVIEW OF THE WORK:

1. NDOT plans to expand the sections of US-75 and US-34 in this corridor using a 2+2 strategy which involves utilizing the existing two lanes and adding two new lanes adjacent to the existing lanes. The resulting roadway cross section will be a 4-lane divided highway. Where practical, the existing lanes will remain on-alignment, and it is proposed to maintain the existing profile. It is assumed that the existing lanes will be resurfaced upon the completion of the new lanes.
2. There are six (6) existing bridge structures and one (1) bridge-size box culvert that will be considered for replacement, rehabilitation, repair, or extension with twin structures built adjacent to the existing bridge structures to accommodate the new 2+2 facility:
  - a. On US-75:
    - Box Culvert, South Table Creek..... RP 49.39
    - Bridge, Walnut Creek..... RP 51.94
    - Viaduct over Union Pacific Railroad Crossing..... RP 53.09
    - Bridge, Weeping Water Creek ..... RP 57.74
    - Bridge, Weeping Water Creek overflow ..... RP 58.07
    - Bridge, Weeping Water Creek overflow ..... RP 58.34

b. On US-34:

- Bridge, Rock Creek ..... RP 372.99

3. New right-of-way (ROW), utility rehabilitation, extensive grading, and culvert work will be required for the expansion of US-75 and US-34.
4. This Project will be developed as a Federal-aid eligible project so Consultant must have the capabilities and NDOT certification to conduct the necessary environmental reviews and create documents required for a NEPA evaluation. A Preliminary Class of Action Determination has not been approved; however, NDOT anticipates a Categorical Exclusion (CE) will be required for the Project.
5. The corridor will be developed in three phases, as described below.

a. Phase I – Corridor Study, Conceptual Design, NEPA, Public Involvement

- The consultant will provide environmental resource reviews, public meeting coordination, public involvement materials and conceptual design of the corridor defined above as part of the alternative analysis for the NEPA and environmental permitting process.
- The consultant will collect data and conduct a corridor study to start the preliminary design process. The corridor study would determine if the existing two lanes meet 3R minimum design standards. The study would recommend design criteria for the 3R rural segments and the new and reconstruction rural segments, typical cross-sections for the rural segments, median width, and which side of existing corridor the two new lanes should be built to minimize impacts to environmental resources, homes and improved structures and other facilities.
- The design and plans would be further developed as required to support the NEPA decision making process, including environmental permitting. The public involvement process will involve stakeholders and public meetings. This phase would conclude after establishing the NEPA decision.

b. Phase II – Preliminary / Functional / Final Design

- Phase II services will be completed under a supplemental agreement.
- Upon receipt of the NEPA decision, NDOT will assess construction projects and sequencing within the corridor based off the information developed in Phase I, associated budget limitations, and other factors which may affect these decisions.
- The Consultant will progress through preliminary and functional design services for one or more of the defined construction segments along the Project corridor. ROW design and plans will be completed either in house or by the consultant. Design plans will be detailed, limits of

construction developed, and permits secured. Final Design (Phase III) for segments may be included at NDOT's discretion.

c. Phase III – Final Design

- Phase III services will be completed under a supplemental agreement.
- Final plans, quantities and specifications would be prepared for PS&E submittal. Services during construction for revisions to the plans may also be requested. Re-evaluation of the NEPA document after final design is complete may be required.

The consultant shall have the necessary knowledge, education, training, certification, and experience to complete each phase of this project.

**C. PRELIMINARY SCOPE OF SERVICES**

Conceptual Design services, including Environmental Documentation, must be completed for corridor and NEPA approval. Following is a general description of the services. A basic scope of services (SOS) for most categories is included with the RFQ supporting documents.

1. Environmental Services

- a. Prepare necessary environmental documentation including other environmental surveys or services necessary to support and complete the NEPA decision-making process. NDOT anticipates this project to be processed as a Categorical Exclusion (CE), but potentially it could be elevated to an Environmental Assessment (EA).
- b. Re-evaluation of NEPA document after Final Design is complete.
- c. Provide wetland delineation services to support NEPA evaluation and Section 404 Permitting requirements. NDOT anticipates an Individual Section 404 Permit would likely be required.
- d. Prepare and coordinate Approved Jurisdictional Determination (AJD) request.
- e. Aid in development of wetland mitigation requirements:
  - Conceptual mitigation plan and mitigation ratio development
  - Mitigation site baseline delineation
  - Final mitigation plan
- f. A SOS for this work category is included as Attachment B1.
  - Excluded Attachment B1 Environmental Scope items include:
    - *A.8. Historic Properties Survey and Evaluation/Section 106 coordination*

2. Roadway Design Services
  - a. Preparation of Corridor Study, plan set and cross-sections at respective phases of the project, limits of construction, plans for distribution to utilities, final plans and cost estimates.
  - b. The roadway design will be conducted with consideration of practical design opportunities, solving transportation and safety problems in a manner to minimize cost of improvements that provide positive performance benefits.
  - c. Documenting design decisions and, when necessary, preparing and presenting design exceptions to the FHWA and design relaxations to the Board of Public Roads Classifications and Standards. A separate supplemental agreement will be developed if it is determined these items are required.
  - d. Utility coordination services, including plans to utilities, utility locates and mapping, Subsurface Utility Engineering (SUE), conflict determination, avoidance, and coordination with Utility companies. A separate supplemental agreement will be developed if it is determined these items are required.
  - e. A SOS for this work category is included as Attachment B2.
3. Hydraulic & Hydrologic Services
  - a. Perform hydraulic and hydrologic analysis at stream crossings and lateral floodplain encroachment analysis along this corridor. This includes bridge-size and non bridge-size structure locations.
  - b. Preparation of preliminary bridge hydraulic data sheets and reports.
  - c. Floodplain and floodway analysis in mapped areas to determine the profile of the new roadways.
  - d. Floodplain certifications for design work in mapped floodplain areas.
  - e. A SOS for this work category is included as Attachment B3.
4. Bridge Design Services
  - a. Bridge recommendations must be coordinated with the added two lanes and minimize grade changes to the existing alignment.
  - b. Preliminary Bridge design of the drainage structures.
  - c. Preparation of preliminary Type Size and Location (TS&L) bridge plans.
  - d. A preliminary SOS for this work category is included as Attachment B4.
5. Public Involvement Services
  - a. Public Involvement services would include public mailers, meeting notices, legal notices, news releases, website development, planning and coordinating stakeholder and public meetings, and responding to public comments.
  - b. Public Involvement services necessary to gather input on corridor alternatives and for the NEPA decision-making process.

- c. Presentation support is anticipated before local boards, chambers of commerce, and citizen groups, and potentially, individual stakeholders and landowners.
  - d. A SOS for this work category is included as Attachment B5.
6. Traffic Engineering Services
- a. All traffic data collection and analysis has been performed by NDOT staff.
  - b. All safety analysis has been performed by NDOT staff.
  - c. NDOT Traffic Engineering staff will coordinate with selected Consultant any design alternatives proposed.

**D. SCHEDULE**

This project is currently in the planning process. Phase II services are anticipated to be complete with 24 months of Notice to Proceed. This 24-month time period includes the completion of the environmental documentation, including an EA/FONSI (if applicable). The delivery schedule will be assessed based on the level of NEPA documentation required and the completion of the activities in the respective Phase (I, II, and III).