

## **R-5777C Project Synopsis**

### **Stipend**

- A stipulated fee of **\$285,000** will be awarded to each short-listed Design-Build Team that provides a responsive, but unsuccessful, Design-Build Proposal in response to the Final Request for Proposals and all associated Addenda. If a contract award is not made, all short-listed Design-Build Teams that provide a responsive Design-Build Proposal shall receive the stipulated fee. In the event the Department suspends or discontinues the procurement process prior to the Technical Proposal or Price Proposal submittal date current at the time of the suspension, no stipulated fee will be paid.

### **Project Description and Purpose**

- The R-5777C Design-Build Project upgrades US 70 to interstate standards from the Havelock Bypass to east of SR 1116 (Thurman Road) in Craven County. The approximately 6.4-mile project provides a four-lane divided facility with three new interchanges.
- The project's primary purpose is to add access management improvements to the US 70 corridor between James City and Havelock to improve regional mobility and military interconnectivity; and to upgrade a section of the US 70 / Future I-42 corridor between Raleigh and the Port of Morehead City to interstate standards.

### **Planning**

- The R-5777C Type III Categorical Exclusion was approved on June 1, 2021.
- The Design Build Team shall adhere to all environmental document commitments. A copy of the R-5777C Type III Categorical Exclusion will be provided to the short-listed Design-Build Teams.

### **Public Information**

- During the project's construction, the Design-Build Team shall coordinate with the Division 2 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

### **Roadway**

- The Design-Build Team shall design and construct a four-lane divided facility with a minimum 46-foot median from the Havelock Bypass to east of SR 1116 (Thurman Road). The Design-Build Team shall design and construct US 70 to meet a 70 mph design speed for a freeway designed to interstate standards.
- The Design-Build Team shall design and construct new interchanges at SR 1106 (Stately Pines Road), SR 1104 (Fisher Avenue) and SR 1112 (Camp Kiro Road).

- The Department will provide a Traffic Noise Report. The Design-Build Team shall develop the Final Design Noise Report based on the final roadway plans developed by the Design-Build Team.

## **Structures**

- The Design-Build Team shall design and construct all structures necessary to complete the project, including but not limited to structures at the following locations:
  - Bridge on SR 1106 (Stately Pines Road) over US 70
  - Bridges on US 70 over SR 1104 (Fisher Avenue)
  - Bridges on US 70 over SR 1112 (Camp Kiro Road)
- The Design-Build Team shall design and construct all reinforced concrete box culverts, including but not limited to extending / replacing existing reinforced concrete box culverts impacted by the project's design and / or construction.
- The Design-Build Team shall design and construct all required sound barrier walls and retaining walls.

## **Railroad Coordination**

- The Design-Build Team shall coordinate all design and construction details on Norfolk Southern Railway / North Carolina Railroad right of way and obtain an executed agreement(s) with the Railroads.

## **Hydraulics**

- The Design-Build Team shall design and construct all storm drainage.
- The Design-Build Team shall be responsible for all Culvert Survey Reports.
- The Design-Build Team shall develop a State Stormwater Management Plan.

## **Geotechnical**

- Roadway and structure subsurface investigations will be provided to the short-listed Design-Build Teams. The Design-Build Team shall be responsible for all recommendations, as well as supplemental roadway and structural investigations.
- The Design-Build Team shall design and construct all foundations, embankments, slopes, retaining walls and temporary structures.

## **Geoenvironmental**

- The Department has identified eleven sites of concern within the proposed project study area.
- The Design-Build Team and NCDOT responsibilities for geoenvironmental remediation will be outlined in the Request for Proposals.

## **Environmental Permits**

- The Design-Build Team shall prepare all documents necessary for the Department to obtain the environmental permits. The anticipated required environmental permits include a US Army Corps of Engineers Section 404 Individual Permit, a NC Department of Environment and Natural Resources, Division of Water Quality (DWQ) Section 401 Water Quality Certification and a Division of Coastal Management CAMA Consistency Determination.
- Project R-5777C did not follow the Merger Process used by the environmental agencies and the Department to obtain environmental permits. The Design-Build Team shall participate and present information for an interagency hydraulic design review meeting and an interagency permit impacts meeting. These meetings shall adhere to the Concurrence Point 4B and Concurrence Point 4C Merger Process requirements.

## **Erosion Control**

- The Design-Build Team shall be responsible for all erosion control designs and implementation.

## **Transportation Management**

- The Design-Build Team shall develop and implement the Transportation Management Plans. A list of parameters, such as lane closures, time restrictions and general guidelines will be provided in the Request for Proposals.

## **Pavement Markings**

- The Design-Build Team shall develop Pavement Marking Plans and install all temporary and permanent pavement markings / markers.

## **ITS**

- The Design-Build Team shall design, install and integrate ITS communication equipment, including but not limited to Local Area Network Equipment and Closed Circuit Television Cameras.

## **Pavement Design**

- Asphalt pavement designs will be provided in the Request for Proposals.
- The Design-Build Team shall design all temporary pavements and evaluate existing shoulders and roadways regarding their suitability for carrying traffic during construction, if necessary.

## **Signing**

- The Design-Build Team shall design, fabricate and install all roadway signs.

## **Traffic Signals**

- The Design-Build Team design and install all temporary traffic signals.

## **Location and Surveys**

- The Department will provide electronic surveys. The Design-Build Team shall be responsible for all supplemental surveys.
- Known existing utilities have been located and will be included with the survey data provided by the Department. The Design-Build Team shall be responsible for all supplemental SUE work.
- The Design-Build Team shall be responsible for all structure surveys.

## **Utility Construction**

- For all water and sewer facilities in conflict with the project, the Design-Build Team shall design and construct the required relocations.

## **Utility Rights of Way, Conflicts and / or Construction**

- The Design-Build Team shall be responsible for all utility conflicts / relocations and utility construction plans. Coordination shall include, but not be limited to, preparations and / or obtaining all necessary utility agreements.
- The Design-Build Team shall coordinate the construction / relocation of private utilities with the appropriate owners.

## **Right of Way**

- The Design-Build Team shall acquire all right of way, easements and control of access required by the proposed design and / or construction.

## **Construction Engineering Inspection (CEI)**

- The Department will be responsible for CEI work.