

## **U-2519CA & B-5516 Project Synopsis**

### **Stipend**

- A stipulated fee of **\$50,000** 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 that the Department suspends or discontinues the procurement process prior to the Design-Build Proposal submittal date current at the time of the suspension, no stipulated fee will be paid.

### **Project Description and Purpose**

- The Design-Build Project U-2519CA & B-5516 will provide a four-lane divided facility on new location from south of US 401 (South Raeford Road) to south of SR 1400 (Cliffdale Road); and replace Bridge No. 14 on SR 3569 (Raeford Road) over Bones Creek (Lake Rim Runoff).
- The primary purpose of this project is to extend the Future I-295 - Fayetteville Outer Loop approximately 3.1 miles to improve traffic capacity deficiencies, increase mobility within the region, and complete the congressionally approved NHS-Strategic Highway Corridor Network (STRANET) route from US 401 (South Raeford Road) northward to I-95.

### **Planning**

- The U-2519 and X-0002B & C Draft Environmental Impact Statement (DEIS) was approved on March 17, 1999.
- The U-2519 and X-0002B & C Draft Environmental Impact Statement (DEIS) Reevaluation was approved on February 3, 2005.
- The U-2519 and X-0002B & C Final Environmental Impact Statement (FEIS) was approved on August 17, 2005.
- The U-2519 and X-0002B & C Record of Decision (ROD) was approved on January 19, 2006.
- The B-5516 Categorical Exclusion (CE) is anticipated to be approved on November 30, 2015.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the DEIS, DEIS Reevaluation, FEIS, ROD and CE will be made available to the short-listed Design-Build Teams.
- TIP Project U-2519CA is following the Merger Process. The Department has obtained all necessary concurrence up to, and including Concurrence Point 4B -

Hydraulic Design Review Meeting. The Design-Build Team shall be responsible for completing the Merger Process.

## **Public Information**

- During the project's construction, the Design-Build Team shall coordinate with the Division 6 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 70-foot median from south of US 401 (South Raeford Road) to south of SR 1400 (Cliffdale Road). The Future I-295 - Fayetteville Outer Loop shall be designed and constructed to meet a 70 mph design speed for a freeway designed to interstate standards.
- The Design-Build Team shall design and construct a new interchange at US 401 (South Raeford Road).
- The Design-Build Team shall extend the mainline paving limits to the graded section within the U-2519CB Project.

## **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:
  - Dual Bridges on the -L- Line over Little Rockfish Creek
  - Dual Bridges on the -L- Line, Ramp B and Ramp C over Aberdeen & Rockfish Railroad, Bones Creek and US 401 (South Raeford Road)
  - Dual Bridges on the -L- Line over the Unnamed Tributary to Lake Rim
- The Design-Build Team shall replace Bridge No. 14 on SR 3569 (Raeford Road) over Bones Creek (Lake Rim Runoff)
- The Design-Build Team shall replace or extend all reinforced concrete box culverts impacted by the project's design and / or construction.

## **Railroad Coordination**

- The Design-Build Team shall coordinate all railroad design and construction details on Aberdeen & Rockfish Railroad right of way and obtain an executed agreement(s) with the Railroad.

## **Hydraulics**

- The Design-Build Team shall design and construct all storm drainage.
- The Design-Build Team shall obtain FEMA compliance for the regulated stream crossings.
- The Design-Build Team shall be responsible for all Bridge Survey Reports and Culvert Survey Reports.
- The Design-Build Team shall develop a Stormwater Management Plan for this project.

## **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**

- NCDOT is currently monitoring a Superfund Site (Cape Fear Wood Preserving Superfund Site – NCID 000188828) that is located outside the project limits.
- The Design-Build Team and NCDOT responsibilities for geoenvironmental remediation will be outlined in the Request for Proposals.

## **Environmental**

- The Design-Build Team shall prepare all documents necessary for the Department to obtain the environmental permits for this project. The anticipated required permits include a US Army Corps of Engineers Section 404 Individual Permit and a NC Department of Environment and Natural Resources (DENR) Division of Water Resources (DWR) Section 401 Water Quality Certification.
- The Design-Build Team shall complete the Merger Process, including but not limited to a possible revisit of Concurrence Point 4B, and obtaining Concurrence Point 4C.

## **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 required temporary and permanent pavement markings and markers.

## **Traffic Signals**

- The Design-Build Team design and install all temporary and permanent traffic signals.
- At the mainline / SR 1400 (Cliffdale Road) interchange constructed under U-2519CB, the Design-Build Team shall modify the existing traffic signal at the SR 1400 (Cliffdale Road) / Ramps A / B intersection, and design and install a permanent traffic signal at the SR 1400 (Cliffdale Road) / Ramps C / D intersection.

## **Pavement Design**

- Asphalt mainline and -Y- Line 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.

## **Location and Surveys**

- Electronic surveys will be provided to the short-listed teams. The Design-Build Team shall be responsible for supplemental surveys.
- Known existing utilities have been located and will be included with the survey data provided to the short-listed teams. The Design-Build Team shall be responsible for all supplemental SUE work.
- The Design-Build Team will be responsible for all structure surveys.

## **Utility Construction**

- The Design-Build Team shall design and construct the relocation of all water and sewer facilities in conflict with the project.

## **R/W Utilities, 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 Department has begun the right of way acquisition process. The Design-Build Team shall acquire all right of way, control of access, and easements not finalized upon Award of the contract.
- The Design-Build Team shall acquire all additional right of way and / or easements required by the proposed design and / or construction methods for those parcels that the Department has completed the right of way acquisition process.

## **Construction Engineering Inspection (CEI) Scope of Work**

- The Department will be responsible for CEI work.