

## **R-2250 (Formerly R-2250A, B & C) Project Synopsis**

### **Stipend**

- A stipulated fee of **\$100,000** 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**

- Project R-2250, the Greenville Southwest Bypass, will provide a four-lane divided facility on new location from south of Old NC 11 to US 264 in Pitt County.
- The primary purpose of the approximately 12.4-mile project is to improve traffic flow and congestion on Memorial Drive (NC 11) and Stantonsburg Road (US 64 Business) in proximity to the project; relieve congestion on NC 11 in Greenville; and improve regional travel along the US 264 / NC 11 corridor.

### **Planning**

- The R-2250 State Final Environmental Impact Statement (SFEIS) was approved on December 20, 2007 and the R-2250 State Record of Decision (SROD) was approved on August 28, 2008.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the SFEIS and SROD will be made available to the short-listed Design-Build Teams.

### **Public Involvement**

- 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 46-foot median from south of Old NC 11 to US 264 (Greenville Bypass). The Greenville Southwest Bypass 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 new interchanges at the following locations:
  - NC 11
  - NC 102
  - Forlines Road (SR 1126)
  - US 13 / 264 Alternate
  - Existing US 264

## **Structures**

- The Design-Build Team shall design and construct all structures necessary to complete the project. The Design-Build Team shall design and construct bridges at the following anticipated locations:
  - Flyover Bridge on NC 11 over the -L- Line (Interchange)
  - At Old Snow Hill Road (SR 1113) and the -L- Line (Grade separation)
  - At NC 102 and the -L- Line (Interchange)
  - Dual Bridges on the -L- Line over Abbott Farm Road (SR 1117) (Grade separation)
  - Dual Bridges on the -L- Line over NC 903 (Grade separation)
  - At Pocosin Road (SR 1125) and the -L- Line (Grade separation)
  - At Forlines Road (SR 1126) and the -L- Line (Interchange)
  - At Davenport Farm Road (SR 1128) and the -L- Line (Grade separation)
  - At US 13 / US 264 Alternate and the -L- Line (Interchange)
  - At Froglevel Road (SR 1127) and the -L- Line (Grade separation)
  - At Carolina Coastal Railroad and the -L- Line (Grade separation)
  - At Stantonsburg Road (SR 1200) and the -L- Line (Grade separation)
- It is anticipated that a minimum of eight reinforced concrete box culverts will be required.
- The Design-Build Team shall design and construct all required sound barrier walls. The Department will provide the Final Design Noise Report.

## **Railroad Coordination**

- The Design-Build Team shall coordinate all railroad design and construction details on Norfolk Southern Railway and Carolina Coastal Railway 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 Department will provide signed and sealed Culvert Survey Reports. If required by the Design-Build Team's design and / or construction methods, the Design-Build Team shall be responsible for all required report modifications.

- 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**

- Fourteen possible underground storage tank (UST) sites, one above ground storage tank (AST) and one automotive salvage yard were identified within the project limits. The NCDOT will complete preliminary environmental studies on these sites and provide the results to the short-listed teams.
- The specific 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; a NC Department of Environment and Natural Resources, Division of Water Resources (DWR) Section 401 Water Quality Certification; and a State Stormwater Permit.
- The Design-Build Team shall be responsible for completing the Merger 01 Process, including obtaining Concurrence Points 4B and 4C.

## **Erosion Control**

- The Design-Build Team shall be responsible for all erosion control designs and implementation.
- The Design-Build Team shall have a certified erosion control inspector on the project at all times during construction.

## **Transportation Management**

- The Design-Build Team shall develop and implement the Traffic Control 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 shall design and install all temporary and permanent traffic signals.

## **ITS**

- The Design-Build Team shall design and install all Intelligent Traffic Systems (ITS) devices, including but not limited to DMS and CCTV cameras.

## **Pavement**

- Alternate asphalt and concrete mainline pavement designs and asphalt -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 shall be responsible for all structure surveys.

## **Utility Construction**

- The Design-Build Team shall be responsible for the design and construction required to relocate 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 Design-Build Team shall acquire all right of way, easement and control of access required by the proposed design and / or construction.

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

- The Department will be responsible for CEI work.