

## **R-4463B Project Synopsis**

### **Project Description and Purpose:**

- The Design - Build Project, R-4463B, extends from US 70 to NC 43 / NC 55, a distance of approximately 2.5 miles. The proposed NC 43 Connector will be constructed as a four-lane divided facility on new location with partial control of access.
- The primary purpose of this project is to promote economic development in Craven County. The secondary purpose is to provide more direct northern access to US 70 for truck traffic, reducing heavy vehicular traffic on Glenburnie Road between NC 43 / NC 55 and US 70.

### **Planning:**

- A State Environmental Assessment (SEA) was approved on March 21, 2005. A Finding of No Significant Impact (FONSI) was approved on August 30, 2005. The Design - Build Team shall adhere to all commitments stated in the environmental documents. Copies of these documents will be made available to the short-listed Design - Build Teams.
- The Design – Build Team shall adhere to all requirements noted in the Indirect and Cumulative Impacts Report dated January 2005 and the Supplement to the Indirect and Cumulative Impacts Report currently under development. These documents will be made available to the short-listed Design-Build Teams.

### **Public Involvement Scope of Work:**

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

### **Roadway Scope of Work:**

- The Design - Build Team shall design and construct a four-lane divided facility with a 46-foot median from US 70 to NC 43 / NC 55.
- The proposed new location facility shall be designed to meet a 60-mph design speed for a flat rural arterial.
- The Design –Build Team shall design and construct an interchange at US 70. The Design-Build Team shall design, but not construct, an eastbound US 70 on ramp.
- At grade intersections with directional crossovers shall be designed and constructed as indicated in the Indirect and Cumulative Impacts Report dated

January 2005 and the Supplement to the Indirect and Cumulative Impacts Report currently under development.

- The Design – Build Team shall design and construct several -Y- Line improvements. The limits of –Y- Line construction shall be of sufficient length to tie to the existing alignments based upon current guidelines and standards.
- The Design - Build Team shall design and construct a –Y- Line between the NC 43 Connector and Bosch Boulevard

**Structure Scope of Work:**

- The Design - Build Team shall design and construct dual bridges on proposed NC 43 Connector over Norfolk Southern Corporation / North Carolina Railroad.
- The Design - Build Team shall design and construct dual bridges on proposed NC 43 Connector over US 70.

**Hydraulic Scope of Work:**

- The Design - Build Team shall be responsible for all storm drainage design and construction.
- The Design - Build Team shall conduct the 4B and 4C meetings. The Design - Build Team shall be responsible for development of the hydraulic plans and permit impact sheets for these meetings.

**Location and Surveys Scope of Work:**

- Full electronic surveys are completed and will be provided to the short-listed teams. Supplemental surveys shall be the responsibility of the Design - Build Team.
- Known existing utilities have been located and will be included with the survey data. All supplemental SUE work shall be the responsibility of the Design - Build Team.

**Geotechnical Investigation Scope of Work:**

- 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 structural and roadway investigations.
- All foundation designs and recommendations shall be the responsibility of the Design - Build Team.

### **Geoenvironmental Scope of Work:**

- Preliminary Site Assessment (PSA) reports and GeoEnvironmental Right of Way Recommendations will be provided to the short-listed teams for three known contaminated areas within the project corridor. These areas include one former gas station, one active gas station, and one federal Superfund Site.
- The Design-Build Team shall adhere to all Right of Way Branch procedures regarding the acquisition of contaminated property and the right of way acquisition recommendations provided by the Department.
- The Design - Build Team and NCDOT responsibilities for for geoenvironmental remediations will be outlined in the RFP.
- If any additional contaminated sites are discovered within the right of way, it shall be the Design – Build Team’s responsibility to contact the Geotechnical Unit.

### **Environmental Scope of Work:**

- The Design - Build Team shall be responsible for preparing all documents necessary for the Department to obtain a Phased Environmental Permit for R-4463A and R-4463B. Specifically, the Design – Build Team shall be responsible for the corridor permit that consists of a preliminary permit for R-4463A and a final design permit for R-4463B. The Design-Build Team shall be responsible for permit applications for the following: US Army Corps of Engineers Section 404 Individual Permit; the NC Department of Natural Resources (DENR) Division of Water Quality (DWQ) Section 401 Water Quality Certification; State Stormwater Permit; Division of Coastal Management (DCM) Certification for Federal Consistency; and a Central Coastal Plain Capacity Use Area Permit (CCPCUA).
- Project R-4463B is subject to the Neuse Riparian Buffer Rules. A Riparian Buffer Certification from DWQ shall be the Design – Build Team’s responsibility.

### **Erosion Control Scope of Work:**

- All erosion control designs and implementation shall be the responsibility of the Design - Build Team.
- The Design - Build Team shall have an erosion control inspector on the project at all times during construction

### **Traffic Control and Pavement Marking Scope of Work:**

- A list of parameters, such as lane closures, time restrictions and general guidelines, will be provided to the short-listed teams.

- The Design - Build Team shall be responsible for development and installation of the Traffic Control and Pavement Marking Plans.

**Pavement Management Scope of Work:**

- Final asphalt pavement designs will be provided to all short-listed Design - Build Teams.
- The Design - Build Team shall be responsible for all temporary pavement designs and the evaluation of existing shoulders regarding their suitability for carrying traffic during construction. If required, the Design – Build Team shall be responsible for strengthening existing shoulders prior to routing traffic on them.

**Signing Scope of Work:**

- The design and installation of roadway signs shall be the responsibility of the Design - Build Team.

**Signal Scope of Work:**

- The design and installation of signals and associated equipment shall be the responsibility of the Design - Build Team.

**Right of Way Acquisition Scope of Work:**

- All right of way and easement acquisitions required by the proposed design and / or construction shall be the responsibility of the Design - Build Team.
- The Design - Build Team shall be responsible for acquiring right of way to accommodate a future eastbound on-ramp for the NC-43 Connector / US 70 Interchange.

**R/W Utilities, Conflicts and / or Construction Scope of Work:**

- The Design - Build Team shall be responsible for all utility conflicts / relocations and utility construction plans. Coordination shall include any and all necessary utility agreements when applicable.
- The Design - Build Team shall be responsible for coordinating the construction / relocation of private utilities with the appropriate owners. The Department shall be responsible for non betterment utility relocation costs when the utility company has prior rights of way/ compensable interest. The utility company shall be responsible for the relocation cost if they cannot furnish evidence of prior rights of way or a compensable interest in their facilities.

**Railroad Coordination:**

- The Design - Build Team shall coordinate with Norfolk Southern Corporation / North Carolina Railroad to obtain plan approval and a signed legal agreement.
- The Design-Build Team shall be responsible for coordinating all railroad design and construction details on railroad right of way. This coordination shall include any necessary agreements required by the NCDOT and / or Norfolk Southern Corporation / North Carolina Railroad.

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

- The NCDOT Division Office shall be responsible for CEI work.