

## **I-2808A Project Synopsis Revised December 1, 2005**

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

- The Design - Build Project, I-2808A, extends from south of SR 1125 (Ashbury Church Road) to US 21 in Yadkin County. The proposed improvements consist of pavement rehabilitation along this approximately 6.5-mile section of I-77.
- The purpose of this project is to improve the safety of the facility by upgrading the roadway surface, eliminating cracks and pitting.

### **Planning:**

- The Federal Programmatic Categorical Exclusion for I-2808A and B was approved April 11, 2005. Revisions to the Programmatic Categorical Exclusion were issued on August 2, 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 and / or posted on the NCDOT Design – Build web page.

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

- During the project's construction, the Design-Build Team shall coordinate with the Division 11 Office and the Construction Unit to inform the public of lane closures, ramp closures, construction progress, etc.

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

- The Design – Build Team shall design and construct approximately 6.5 miles of I-77 from south of SR 1125 (Ashbury Church Road) to south of the US 21 interchange in Yadkin County, including all ramps at the US 421 interchange.

### **Hydraulics Scope of Work:**

- The Design-Build Team shall develop hydraulic analyses, as well as determine deficiencies and structural inadequacies, for all existing drainage structures. The Design-Build Team shall be responsible for repairing or replacing all deficient and structural inadequate drainage structures located within the project's physical construction limits.

### **Location & Surveys Scope of Work:**

- Full electronic surveys are completed and will be available 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 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 investigations.
- All foundation designs and recommendations shall be the responsibility of the Design – Build Team.

## **Geoenvironmental Scope of Work:**

- There are no known contaminated sites within the existing right-of-way for this project.

## **ITS Scope of Work: ITS Work is no longer a part of this project.**

~~The ITS Scope of Work will be part of an alternate bid process that provides individual lump sum prices for the CCTV and DMS. The ITS design and construction will be subject to approval by the Department after evaluation of the Price Proposal. If included, the ITS Scope of work will consist of the following:~~

- ~~□ The Design-Build Team shall be responsible for the design, installation and integration of six (6) closed-circuit television cameras (CCTV), and four (4) overhead Dynamic Message Signs (DMS).~~
- ~~□ The Design-Build Team shall be responsible for determining the locations that provide optimal performance for all devices.~~
- ~~The Design-Build Team shall be responsible for the integration of all devices and final testing of the completed system to demonstrate proper functionality and compatibility with the Triangle Regional Transportation Management Center (TRTMC) and Emergency Information Center (EIC).~~

## **Environmental Scope of Work:**

- If required, the Design – Build Team shall be responsible for preparing all documents necessary for the Department to obtain the environmental permits for this project.

## **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 developing the Traffic Control and Pavement Marking Plans.

### **Pavement Scope of Work:**

- Final concrete 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

### **Signing Scope of Work:**

- The design and installation of roadway signs shall be the responsibility of the Design – Build Team.
- The I-77 / US 421 interchange and ramps, as well as the –Y- Line signing for the Rest Area are not included in the Signing Scope of Work.

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

- It is anticipated that all construction will be performed within the existing right of way. Any design or construction methods that require additional right of way and / or easements, including but not limited to, hydraulic recommendations and traffic control measures, shall be the responsibility of the Design – Build Team. Parcel names and deed research and descriptions shall be the responsibility of the Design – Build Team to acquire and process.

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

- The Design-Build Team shall be responsible for all utility conflicts / relocation and utility construction plans. Coordination shall include any 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. The utility company shall be responsible for the relocation costs if they cannot furnish evidence of prior rights of way or a compensable interest in their facilities.

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

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