

I-2304AD Project Synopsis

Project Description and Planning

TIP Project I-2304AD is the reconstruction of I-85 to an 8-lane facility from North of NC 150 to just North of I-85 Business. This project is located in Davidson County and is roughly 3.6 miles in length.

Planning studies have been completed. The Environmental Assessment (EA) was approved on November 6, 2000. The Finding of No Significant Impacts (FONSI) was approved December 15, 2003. The Project Environmental Consultation (Right of Way and Construction Phase) was approved on May 15, 2009. Copies of the EA, FONSI and Consultation are available at: www.ncdot.gov/projects/i85corridor/.

Public Involvement Scope of Work

The Design-Build Team shall coordinate with the Division 9 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

Roadway Scope of Work

The Design-Build Team shall design and construct I-85 to an 8-lane facility from North of NC 150 to just North of I-85 Business, to meet Interstate standards with a 70 mph design speed. The Design-Build Team shall design and construct an interchange at Belmont Rd and shall design and construct -Y- lines, service roads and cul-de-sacs, providing the same or better access, widening and improvements as indicated on the Right of Way Plans provided.

Structure Scope of Work

The Design-Build Team shall be responsible for the design and construction of all structures necessary to complete the project. The Design-Build Team shall design and construct a bridge at Belmont Rd and I-85 adhering to the AASHTO LRFD Bridge Design Specifications. The Design-Build Team shall be responsible for the removal of bridges over I-85 at Belmont Rd. and Clark Rd. The Design-Build Team shall be responsible for the design and construction of all required retaining and noise walls. The Final Noise Report has been completed.

Hydraulic Scope of Work

The Design-Build Team shall be responsible for all Storm Drainage Design and construction, culvert survey reports, a State Stormwater Management Plan, and FEMA compliance for any regulated stream crossings.

Pavement Design Scope of Work

A final concrete pavement design will be provided in the RFP. The Design-Build Team shall be responsible for the design of all temporary pavements and the evaluation of existing shoulders and roadways regarding their suitability for carrying traffic during construction. If required, the Design-Build Team shall strengthen existing facilities prior to routing traffic on them.

Location and Surveys Scope of Work

Electronic surveys are completed and will be provided to the short-listed teams. Supplemental surveys shall be the Design-Build Team's responsibility. Known existing utilities have been

located and will included with the survey data. All supplemental SUE work and structure surveys shall be the responsibility of the Design-Build Team.

Geotechnical 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 roadway and structural investigations. The Design-Build Team shall be responsible for the design and construction of all foundations, embankments, slopes, retaining walls and temporary structures.

Environmental Scope of Work

The Department has obtained the US Army Corps of Engineers Section 404 Individual Permit, and the NC Department of Natural Resources and Division of Water Quality (DWQ) Section 401 Water Quality Certification. The Design-Build Team will be responsible for preparing all documents necessary for applicable modifications to these permits.

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 a certified erosion control inspector on the project at all times during construction.

Lighting Scope of Work

Lighting will be designed by NCDOT but installed by the Design-Build Team.

Signing and Pavement Marking Scope of Work

The design, fabrication and installation of roadway signs shall be the responsibility of the Design-Build Team. The Design-Build Team shall be responsible for the development and installation of the Pavement Marking Plans.

Traffic Control and Scope of Work

The Design-Build Team shall be responsible for the development and installation of the Traffic Control. A list of parameters (lane closures, time restrictions, etc.) will be provided in the RFP.

Right of Way Acquisition Scope of Work

It is anticipated that the Department will have acquired all right-of way necessary to construct this project prior to the opening of Price Proposals. The Design-Build Team shall acquire any additional right-of-way or easements that may be required for their design and construction.

Right of Way Utilities, Conflicts and/or Construction Scope of Work

The Department has initiated the relocation efforts for utilities on this project. The status of these relocations will be provided in the RFP and upon contract execution, the Design-Build Team may be responsible for continuing and completing all utility relocation efforts.

CEI Scope of Work

The Division Office will be responsible for CEI work.