

I-2304AC Project Synopsis

Project Description and Purpose

- TIP Project I-2304AC is the reconstruction and widening of I-85 to an 8-lane facility from North of SR 2120 (Long Ferry Road) to approximately 1000 ft south of the existing NC 150 flyover bridge. This project is located in Rowan and Davidson Counties and is roughly 2.2 miles in length.

Planning

- 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 1 <http://www.ncdot.org/recovery/i85corridor/projectplans/5>, 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.org/recovery/i85corridor/projectplans/.

Public Involvement Scope of Work

- During the project's construction, 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 SR 2120 (Long Ferry Road) to approximately 1000' south of the existing NC 150 flyover bridge. The Southern project terminus shall tie to the existing 8-lane facility as constructed under I-2511CB.
- The Design-Build Team shall design and construct service roads and cul-de-sacs, providing access and improvements as indicated on the Right-of-Way Plans to be provided by the Department.

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 bridges at the following locations adhering to the AASHTO LRFD Bridge Design Specifications:
 - Duals on I-85 over Duke Power Industrial Spur.
 - Duals on I-85 over Yadkin River, wetlands, and North Carolina Railroad.
 - Replace Bridge #392 (US 29-70) on -SRB- over the Yadkin River.
- The Design-Build Team shall be responsible for the design and construction of all required retaining and noise walls. The Department will be responsible for the Final Noise Report. It is anticipated a noise wall will be required from approximately Station 898+00 -L-, continuing to Station 96+00 -SRB-.

- The Design-Build Team shall be responsible for demolishing the existing I-85 bridge over the Yadkin River as well as I-85 bridges over the railroads and US29/70.

Railroad Coordination Scope of Work

- The Department has initiated coordination with the railroad companies on this project. The Department may be able to secure all railroad agreements prior to opening of the Price Proposals, in which case the Design-Build Team would be required to ensure that their design is in accordance with those secured agreements, or otherwise pursue amendments to those agreements.
- The Design-Build Team will be responsible for track work to remove a sharp curve in the line in the immediate vicinity of the I-88 crossing of the Norfolk Southern line.

Hydraulic Scope of Work

- The Design-Build Team shall be responsible for all Storm Drainage Design and construction.
- The Design-Build Team shall be responsible for all bridge survey and culvert survey reports.
- The Design-Build Team shall develop a State Stormwater Management Plan.

Pavement Design Scope of Work

- The concrete pavement design for the mainline 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 necessary. If required, the Design-Build Team shall be responsible for strengthening 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 will be the responsibility of the Design-Build Team.
- All structure surveys will 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.
- A construction permit is required for work within Alcoa Power Generating, Inc. (APGI) property or hydroplant project boundaries. This permit application has been submitted to the Federal Energy Regulatory Commission by Alcoa, and approval is anticipated well in advance of the opening of Price Proposals.
- The Design-Build Team will be responsible for obtaining any modifications to the Section 404 permit, 401 Certification, or construction permit for work within the APGI hydroplant project boundaries that may be required by their design or construction methods.
- On-site wetland mitigation and construction will be a part of 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 a certified erosion control inspector on the project at all times during construction.

Signing Scope of Work

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

Traffic Management and Pavement Marking Scopes of Work

- The Design-Build Team shall be responsible for the development and installation of the Traffic Control and Pavement Marking Plans.
- A list of parameters such as lane closures, time restrictions and general guidelines 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 be responsible for 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.