

R-2632AA Project Synopsis

Project Description and Purpose

The Design-Build Project, R-2632AA, is the widening of NC73 (Sam Furr Road) in Mecklenburg county. The project extends from west of US21 to east of NC115, a distance of approximately 1.8 miles. The proposed improvements consist of widening the existing two-lane roadway to a four-lane divided facility with intersection improvements at NC115 and US21. The primary purpose of this project is to reduce congestion along NC73 and improve safety.

A Categorical Exclusion Reevaluation is expected to be approved in June 2009. The Design-Build Team shall adhere to all environmental document commitments. Copies of the document 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 10 Office and the Construction Unit to inform the public of lane closures, construction progress, educational initiatives related to new traffic movements, etc.

Roadway

The Design-Build Team shall design and widen NC 73 from a two-lane roadway to a four-lane divided curb and gutter facility that adheres to a 50-mph design speed.

With the exception of small retaining walls, no structures are anticipated.

Railroad Coordination

The Department will coordinate with Norfolk Southern Corporation and obtain the railroad agreement prior to Award. The Design-Build Team shall be responsible for coordinating all construction activities with the railroad.

Hydraulic

The Design-Build Team shall be responsible for all storm drainage design and construction.

Geotechnical Investigation

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.

Signing and Traffic Signals

The Design-Build Team shall be responsible for the design and installation of all roadway signs and the design and installation of all traffic signals and associated equipment.

Environmental

The Design-Build Team shall design the project such that neither a US Army Corps of Engineers Section 404 permit (other than NWP #3) nor a Division of Water Quality (DWQ) Section 401 Water Quality Certification shall be required.

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.

Traffic Control and Pavement Markings

The Design-Build Team shall be responsible for 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 Request for Proposals.

Pavement Design

Final asphalt pavement designs will be provided in the Request for Proposals. The Design-Build Team shall be responsible for all temporary pavement designs and the evaluation of existing shoulders and roadways regarding their suitability for carrying traffic during construction, if necessary.

Right of Way Acquisition

The Design-Build Team shall be responsible for all right of way and easement acquisition required by the proposed design and / or construction.

Location & Surveys

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.

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 preparations and / or obtaining any and all necessary utility agreements. The Design-Build Team shall be responsible for coordinating the construction / relocation of all utilities with the appropriate owner.

Construction Engineering Inspection (CEI)

The Division Office will be responsible for CEI work.