

U-3301 Project Synopsis

Stipend

- A stipulated fee of **\$35,000** will be awarded to each short-listed Design-Build Team that provides a responsive, but unsuccessful, Design-Build Proposal in response to the Final Request for Proposals and all associated Addenda. If a contract award is not made, all short-listed Design-Build Teams that provide a responsive Design-Build Proposal shall receive the stipulated fee. In the event that the Department suspends or discontinues the procurement process prior to the Design-Build Proposal submittal date current at the time of the suspension, no stipulated fee will be paid.

Project Description and Purpose

- The Design-Build Project U-33301 will widen approximately 4.3 miles of NC 63 from Jones Road (SR 1380) to Newfound Road (1004) in Buncombe County, northwest of Asheville.
- The project's primary purpose is to improve the capacity of NC 63 so that the facility operates at an acceptable level of service in the design year, while also improving the safety along NC 63.

Planning

- It is anticipated that the U-3301 Categorical Exclusion (CE) will be approved in May 2014.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the CE 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 13 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

Roadway

- From Jones Road (SR 1380) to east of Greyfox Road, the Design-Build Team shall widen NC 63 to a three-lane curb and gutter facility. From east of Greyfox Road to Newfound Road (SR 1004), the Design-Build Team shall widen NC 63 to a four-lane divided facility with a 23-foot median.
- The NC 63 improvements shall be designed and constructed to meet a 50-mph design speed.

Structures

- The Design-Build Team shall design and construct all structures necessary to complete the project.
- The Design-Build Team shall design and construct dual bridges on NC 63 over New Found Creek that adhere to the AASHTO LRFD Bridge Design Specifications.
- The Design-Build Team shall replace and / or extend all reinforced concrete box culverts impacted by the project's design and / or construction.
- The Design-Build Team shall design and construct all required retaining walls.

Hydraulics

- The Design-Build Team shall design and construct all storm drainage.
- The Design-Build Team shall obtain FEMA compliance for the regulated stream crossings.
- The Design-Build Team shall develop all Culvert and Bridge Survey Reports.
- The Design-Build Team shall develop a State Stormwater Management Plan.

Geotechnical

- 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 design and construct all foundations, embankments, slopes, retaining walls and temporary structures.

Geoenvironmental

- Seven underground storage tanks (UST's) and six other sites have been discovered on the project and have the potential to be contaminated. The NCDOT will complete preliminary studies on these sites and provide the results to the short-listed teams.
- 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 specific Design-Build Team and NCDOT geoenvironmental remediation responsibilities will be outlined in the Request for Proposals.

Environmental

- The Design-Build Team shall prepare all documents necessary for the Department to obtain the environmental permits for this project. The anticipated required permits include a US Army Corps of Engineers Section 404 Individual Permit; a NC Department of Environment and Natural Resources, Division of Water Quality (DWQ) Section 401 Water Quality Certification; and a State Stormwater Permit.

On Site Mitigation

- There is the potential that on-site mitigation will be required for compensatory mitigation for unavoidable wetland and surface water impacts. If necessary, the Design-Build Team and NCDOT on-site mitigation responsibilities will be outlined in the Request for Proposals.

Erosion Control

- 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.

Transportation Management

- The Design-Build Team shall develop and implement Transportation Management Plans. A list of parameters, such as lane closures, time restrictions and general guidelines will be provided in the Request for Proposals.

Pavement Markings

- The Design-Build Team shall develop Pavement Marking Plans and install all pavement markings / markers.

Traffic Signals

- The Design-Build Team shall design and install all temporary and permanent traffic signals.
- The Design-Build Team shall upgrade several existing traffic signals.

Pavement

- Asphalt mainline and -Y- Line pavement designs will be provided in the Request for Proposals.

- The Design-Build Team shall design all temporary pavements and evaluate existing shoulders and roadways regarding their suitability for carrying traffic during construction, if necessary.

Signing

- The Design-Build Team shall design, fabricate and install all roadway signs.

Location and Surveys

- Electronic surveys will be provided to the short-listed teams. The Design-Build Team shall be responsible for supplemental surveys.
- Known existing utilities have been located and will be included with the survey data provided to the short-listed teams. The Design-Build Team shall be responsible for all supplemental SUE work.
- The Design-Build Team shall be responsible for all structure surveys.

Utility Construction

- The Design-Build Team shall design and construct the relocation of all water and sewer facilities in conflict with the project.

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, but not be limited to, preparations and / or obtaining all necessary utility agreements.

Right of Way

- The Design-Build Team shall acquire all right of way and easements required by the proposed design and / or construction.

Construction Engineering Inspection (CEI)

- The Department will be responsible for CEI work.