

R-2536 (Formerly R-2536AA, AB, B, C and D) Project Synopsis

August 15, 2014

Stipend

- A stipulated fee of \$125,000 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

- Project R-2536 will provide a four-lane divided facility on new location from existing US 64 west of Asheboro to existing US 64 east of Asheboro, a distance of approximately 14.6 miles; and a two-lane facility primarily on new location from east of Staleys Farm Road (SR 2839) to existing NC 159 / Zoo Entrance, a distance of approximately 1.8 miles.
- The project purpose is to improve traffic flow and levels of service on existing US 64, reduce congestion on existing US 64, enhance high-speed regional travel on the US 64 Intrastate Corridor and improve access to the North Carolina Zoological Park.

Planning

- The R-2536 Abbreviated Final Environmental Impact Statement (FEIS) was signed on March 12, 2007, the Record of Decision (ROD) was signed on December 6, 2007 and a Reevaluation of the Abbreviated FEIS was signed on October 31, 2012. It is anticipated that a second Reevaluation of the Abbreviated FEIS will be completed in October 2014.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the completed documents 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 8 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.
- Spanish accommodations will be required.

Roadway

- The Design-Build Team shall design and construct the US 64 Bypass, a four-lane divided freeway with a 46-foot median, from existing US 64 west of Asheboro to existing US 64 east of Asheboro. The US 64 Bypass shall be designed and constructed to meet a 70 mph design speed for a freeway designed to interstate standards.
- The Design-Build Team shall design and construct the Zoo Connector, a two-lane facility, from east of Staleys Farm Road (SR 2839) to existing NC 159 / Zoo Entrance. The Zoo Connector shall be designed and constructed to meet a 60 mph design speed.
- The Design-Build Team shall design and construction new interchanges at the following locations:
 - Existing US 64 (US 64 Business) west of Asheboro
 - NC 49
 - US 220 / I-73 / I-74
 - Zoo Connector
 - NC 42
 - Existing US 64 (US 64 Business) east of Asheboro

Structures

- The Design-Build Team shall design and construct all structures necessary to complete the project. The Design-Build Team shall design and construct bridges at the following anticipated locations:
 - At West Chapel Road / Stutts Road and US 64 Business
 - At relocated US 64 Business westbound and US 64 Bypass
 - At US 64 Business eastbound and US 64 Bypass
 - At Old NC 49 and US 64 Bypass
 - At NC 49 and US 64 Bypass
 - At Mack Road and US 64 Bypass
 - On US 64 Bypass over Little River
 - At loop connecting US 64 Bypass westbound to US 220 / I-73 / I-74 southbound and US 64 Bypass
 - At loop connecting US 64 Bypass westbound to US 220 / I-73 / I-74 southbound and US 220 / I-73 / I-74
 - At US 64 Bypass and US 220 / I-73 / I-74
 - At Southmont Drive and US 220 / I-73 / I-74
 - At US 220 Business / Fayetteville Street and US 64 Bypass
 - At Pastureview Road and US 64 Bypass
 - At loop connecting US 64 Bypass westbound to the Zoo Connector and US 64 Bypass

- At ramp connecting the Zoo Connector to US 64 Bypass westbound and US 64 Bypass
 - At Staleys Farm Road and the Zoo Connector
 - At US 64 Bypass and NC 159 / Zoo Parkway
 - At Old Cox Road and US 64 Bypass
 - On US 64 Bypass over Vestal Creek
 - At Pine Hill Road and US 64 Bypass
 - At NC 42 and US 64 Bypass
 - At Luck Road and US 64 Bypass
 - At ramp connecting US 64 Bypass eastbound to US 64 Business westbound and US 64 Bypass
 - At relocated US 64 Business eastbound and US 64 Bypass
- The Design-Build Team shall design and construct all required reinforced concrete box culverts. It is anticipated that a minimum of twenty-four (24) reinforced concrete box culverts will be required.
 - The Design-Build Team shall design and construct all required sound barrier walls. It is anticipated that at least one sound barrier wall will be required.

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 be responsible for all Bridge and Culvert 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

- The specific Design-Build Team and NCDOT responsibilities for geoenvironmental remediation 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 and a NC Department of Environment and Natural Resources, Division of Water Resources (DWR) Section 401 Water Quality Certification.
- The Design-Build Team shall be responsible for completing the Merger 01 Process, including but not limited to obtaining Concurrence Points 4B and 4C.

On-Site Mitigation

- There are approximately 20 potential on-site mitigation sites located within the project corridor. The Design-Build Team and NCDOT responsibilities for on-site mitigation 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 the Traffic Control 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 the Pavement Marking Plans, and install all required temporary and permanent pavement markings and markers.

Traffic Signals

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

Pavement Design

- Alternate mainline asphalt and concrete 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 are completed and will be provided to the short-listed teams. The Design-Build Team shall be responsible for all 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

- For all water and sewer facilities in conflict with the project, the Design-Build Team shall design and construct the required relocations.

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.
- The Design-Build Team shall be responsible for coordinating the construction / relocation of private utilities with the appropriate owners.

Right of Way

- The Design-Build Team shall acquire all right of way, easement and control of access.

Construction Engineering Inspection (CEI)

- The Department will be responsible for CEI work.