

I-5987 Project Synopsis

Stipend

- A stipulated fee of **\$80,000** 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 Technical Proposal or Price Proposal submittal date current at the time of the suspension, no stipulated fee will be paid.

Project Description and Purpose

- The I-5987 Design-Build Project widens I-95 to eight lanes and reconstructs interchanges from US 301 (Exit 22) to south of NC 295 / Fayetteville Outer Loop (Exit 38) in Robeson County. The project is approximately 14.5 miles long.
- The purpose of improving this section of I-95 is to help relieve congestion, improve mobility, and improve storm resiliency, so the corridor continues to serve as a primary East Coast route through the project 2040 design year.

Planning

- The I-5987 Type III Categorical Exclusion was approved on November 14, 2019.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the environmental document noted above will be made available to the short-listed Design-Build Teams.

Public Information

- During the project's construction, the Design-Build Team shall coordinate with the Division 6 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

Roadway

- The Design-Build Team shall design and construct an eight-lane divided facility with a minimum 26-foot median from US 301 (Exit 22) to south of NC 295 / Fayetteville Outer Loop (Exit 38) in Robeson County. The Design-Build Team shall design and construct I-95 to meet a 75 mph design speed for a freeway designed to interstate standards.
- The Design-Build Team shall design and construct interchange modifications at US 301 (Exit 22), US 301 (Exit 25), NC 20 (Broad St - Exit 31) and US 301 (Exit 33).

- The Department will provide a Traffic Noise Analysis Report. The Design-Build Team shall develop the Final Design Noise Report based on the final roadway plans developed by the Design-Build Team.

Structures

- The Design-Build Team shall design and construct all structures necessary to complete the project, including but not limited to, structures at the following locations:
 - Bridge on SR 1529 (Powersville Road) over I-95
 - Bridge on US 301 (Exit 25) over I-95
 - Bridge on SR 1758 (McDuffie Crossing Road) over I-95
 - Bridge on SR 1006 (Great Marsh Church Road) over I-95
 - Bridge(s) on I-95 over Big Marsh Swamp
 - Bridge(s) on I-95 over NC 20 (Broad Street - Exit 31)
 - Bridge on US 301 (Exit 33) over I-95
 - Bridge on SR 1726 (McRainey Road) over I-95
 - Bridge(s) on I-95 over Little Marsh Swamp
 - Bridge on SR 1723 (Parkton Tobermory Road) over I-95
- The Design-Build Team shall design and construct all reinforced concrete box culverts, including but not limited to extending / replacing existing reinforced concrete box culverts impacted by the project's design and / or construction.
- The Design-Build Team shall design and construct all required sound barrier walls and retaining walls.
- The Design-Build Team shall coordinate with the Federal Aviation Administration and Southern Comforts Aerodrome airport (61NC) for any permits required for working near 61NC.

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 Survey Reports 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

- The Department has identified 24 sites of concern within the proposed project study area.
- The Design-Build Team and NCDOT responsibilities for geoenvironmental remediation will be outlined in the Request for Proposals.

Environmental Permits

- 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 Quality (DWQ) Section 401 Water Quality Certification.
- Project I-5987 did not follow the Merger Process used by the environmental agencies and the Department to obtain environmental permits. The Design-Build Team shall participate and present information for an interagency hydraulic design review meeting and an interagency permit impacts meeting. These meetings shall adhere to the Concurrence Point 4B and Concurrence Point 4C requirements of the Merger Process.

Erosion Control

- The Design-Build Team shall be responsible for all erosion control designs and implementation.

Transportation Management

- The Design-Build Team shall develop and implement the 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 temporary and permanent pavement markings / markers.

ITS

- The Design-Build Team shall design, install and integrate ITS communication equipment, including but not limited to Local Area Network Equipment, Dynamic Message Signs and Closed-Circuit Television Cameras.

Pavement Design

- 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.

Traffic Signals

- There are no proposed permanent traffic signals on the project.
- The Design-Build Team shall design and install all required temporary traffic signals.

Lighting

- The Department will provide signed and sealed Lighting Plans
- The Design-Build Team shall install all lighting.

Location and Surveys

- Electronic surveys 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.

Utility Rights of Way, 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 coordinate the construction / relocation of private utilities with the appropriate owners.

Right of Way

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

Construction Engineering Inspection (CEI)

- The Department will be responsible for CEI work.

VOID – Project Discontinued April 15, 2020