

I-5986A / I-5877 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 Design-Build Proposal submittal date current at the time of the suspension, no stipulated fee will be paid.

Project Description and Purpose

- The I-5986A / I-5877 Design-Build Project widens I-95 to eight lanes and reconstructs interchanges from south of I-95 Business / US 301 (Exit 56) to north of SR 1002 (Long Branch Road - Exit 71) in Cumberland and Harnett Counties. The project is approximately 16.9 miles long.
- The purpose of this project is to improve safety, increase reliability, add capacity, and bring the most heavily traveled segment of I-95 up to current design standards.

Planning

- The I-5877 Categorical Exclusion was approved on February 16, 2018.
- The I-5986A Categorical Exclusion is anticipated to be approved in November 2018
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the environmental documents 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 26-foot median from south of I-95 Business / US 301 (Exit 56) to north of SR 1002 (Long Branch Road - Exit 71) in Cumberland and Harnett Counties. 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 I-95 Business / US 301 (Exit 56), US 13 / NC 295 (Exit 58), SR 1815 (Wade - Stedman Road - Exit 61) and NC 82 (Godwin - Falcon Road - Exit 65).
- The Design-Build Team shall construct interchange modifications at SR 1811 (Bud Hawkins Road - Exit 70) and SR 1002 (Long Branch Road - Exit 71) in accordance with the signed and sealed plans provided by the Department.
- At the US 13 / NC 295 (Exit 58) interchange, the Design-Build Team shall design and construct a free flow ramp connection from I-95 northbound to NC 295 westbound.
- The Department will provide a Traffic Noise Analysis (TNA) for I-5986A / I-5877. The Design-Build Team shall develop the Final Design Noise Report based on the final roadway plans developed by the Design-Build Team and the signed and sealed plans provided by the Department.

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 1828 (Baywood Road) over I-95
 - Bridge on SR 1863 (Pembroke Lane) over I-95
 - Bridge(s) on the I-95 northbound to I-95 southbound / NC 295 (Goldsboro Road) ramp over I-95 (US 13 / NC 295 interchange - Exit 58)
 - Bridge on SR 1005 (Smithfield Road) over I-95
 - Bridge on SR 1815 (Wade - Stedman Road - Exit 61) over I-95
 - Bridge on SR 1813 (Percy Strickland Road) over I-95
 - Bridge on NC 82 (Godwin - Falcon Road - Exit 65) over I-95
 - Bridge on SR 1806 (Sherrill Baggett Road) over I-95
 - Bridge(s) on I-95 over Black River
 - Bridge on SR 1804 (Rhodes Pond Road) over I-95
- The Design-Build Team shall construct bridges on SR 1811 (Bud Hawkins Road - Exit 70) and SR 1002 (Long Branch Road - Exit 71) over I-95 in accordance with the signed and sealed plans provided by the Department.
- 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.

Hydraulics

- The Design-Build Team shall design and construct all storm drainage.
- The Design-Build Team shall obtain FEMA compliance for the regulated stream crossing.
- The Design-Build Team shall develop all Culvert Survey Reports.
- The Design-Build Team shall develop a 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 22 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

- The Design-Build Team shall prepare all documents necessary for the Department to obtain the final design environmental permits and / or permit modifications.
- Neither Project I-5986A nor Project I-5877 followed 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 and install ITS infrastructure, including but not limited to conduit, fiber optic communications cable, and components for a future high-speed fiber optic communications cable.
- 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.

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.

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 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) Scope of Work

- The Department will be responsible for CEI work.