

I-6064A, B & C / I-5879 Project Synopsis

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 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-6064A, B & C / I-5879 Design-Build Project rehabilitates the existing I-95 pavement, widens I-95 to eight lanes and modifies interchanges from I-74 (Exit 13) to south of US 301 (Exit 22) in Robeson County. The project is approximately 8.0 miles long.
- The purpose of the project is to help relieve congestion, improve mobility, and improve storm resiliency, so this section of the I-95 corridor will continue to serve as a primary east coast route through the 2040 design year.

Planning

- The I-6064 Type III Categorical Exclusion (CE) is anticipated to be approved in December 2020.
- The I-5879 Type III CE was approved on November 15, 2018.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the I-5879 Type III CE is currently available and will be provided to the short-listed Design-Build Teams. A copy of the I-6064 Type III CE will be provided to the short-listed Design-Build Teams once available.

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 I-74 (Exit 13) to south of US 301 (Exit 22) 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 I-74, NC 72 / NC 711 (Caton Road), SR 1536 (Carthage Road), and NC 211 (North Roberts Avenue).
- The Department will provide a Traffic Noise 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 NC 72 / NC 711 (Caton Road) over I-95
 - Bridge(s) on I-95 over VFW Road and CSX Railroad
 - Bridge(s) on I-95 over Lumber River
 - Bridge on SR 1536 (Carthage Road) over I-95
 - Bridge(s) on NC 211 (North Roberts Avenue) 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.

Airport Coordination

- The Design-Build Team shall coordinate all design and construction requirements, including but not limited to obtaining all necessary permits, variances and approvals, associated with working near the Lumberton Regional Airport with the Federal Aviation Administration and the Lumberton Regional Airport.

Railroad Coordination

- The Design-Build Team shall coordinate all design and construction details on CSX Railroad right of way and obtain an executed agreement(s) with the Railroad.

Hydraulics

- The Design-Build Team shall design and construct all storm drainage.
- The Department may obtain FEMA compliance for the regulated stream crossings based upon the Department's preliminary design. The Design-Build Team shall obtain FEMA compliance for any regulated stream crossings not obtained by the Department and / or for design changes proposed by the Design-Build Team.

- The Department may provide the Culvert Survey Reports (CSRs) and Bridge Survey Reports (BSRs) based upon the Department's preliminary design. The Design-Build Team shall be responsible for all CSRs and BSRs not provided by the Department and / or for design changes proposed by the Design-Build Team.
- 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 a total of 54 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. The anticipated required environmental 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.
- Projects I-6064A, B & C and I-5879 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

- Alternate asphalt and concrete mainline pavement designs will be provided in the Request for Proposals.
- Asphalt -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

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