

I-0911A Project Synopsis

Stipend

- A stipulated fee of **\$70,000** 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 I-0911A will widen approximately 3.3 miles of I-40 to a six-lane divided facility from west of NC 801 in Davie County to east of SR 1101 (Harper Road / Tanglewood Park Business Road) in Forsyth County. The project will also replace dual bridges on I-40 over the Yadkin River.
- The purpose of this project is to increase the traffic carrying capacity and enhance transportation safety along I-40 within the project limits.

Planning

- The I-0911A Environmental Assessment (EA) was approved on June 22, 2011.
- The I-0911A Finding of No Significant Impact (FONSI) was approved on June 30, 2014.
- The Design-Build Team shall adhere to all environmental document commitments. A copy of the I-0911A EA and FONSI 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 9 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

Roadway

- The Design-Build Team shall design and construct I-40 widening that provides a six-lane divided facility with a minimum 26-foot median. The I-40 widening shall be designed and constructed to meet a 70 mph design speed for a freeway designed to interstate standards.

Structures

- The Design-Build Team shall design and construct all structures necessary to complete the project.
- The Design-Build Team shall replace the roadway dual bridges on I-40 over the Yadkin River.
- To accommodate a future greenway, the Design-Build Team shall replace the Bert's Way roadway bridge over I-40 with a pedestrian bridge.
- The Design-Build Team shall replace 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 noise and retaining walls. The Department will provide the Final Design Noise Report.

Pavement Design

- Final asphalt 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.

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 Survey Reports 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.

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 Nationwide Permit; a NC Department of Environment and Natural Resources, Division of Water Resources (DWR) Section 401 Water Quality Certification; and a State Stormwater Permit.
- Project I-0911A is in the Merger Process used by the environmental agencies and the Department to obtain environmental permits. The Design-Build Team shall be responsible for completing the Merger Process, including but not limited to obtaining Concurrence Point 4B and Concurrence Point 4C.

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 required temporary and permanent pavement markings and markers.

Right of Way

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

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.
- The Design-Build Team shall coordinate the construction / relocation of private utilities with the appropriate owners.

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 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.

Construction Engineering Inspection (CEI)

- The Department will be responsible for CEI work.