

R-4467 Project Synopsis

Stipend

- A stipulated fee of **\$75,000** 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 will 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 R-4467 realigns and widens US 17 Business / NC 37 (North Church Street) from south of the Perquimans River Bridge to north of NC 37 (Winfall Boulevard), in Perquimans County. The project will also replace and lengthen the bridge over the Perquimans River (Bridge No. 8) with a structure that includes a swing span section.
- The purpose of the project is to provide a direct, reliable route between the Towns of Hertford and Winfall.

Planning

- The R-4467 Environmental Assessment (EA) was approved on February 25, 2013.
- The R-4467 Finding of No Significant Impacts (FONSI) is expected to be approved in May 2017.
- Project R-4467 is no longer in the Merger Process used by the environmental agencies and the Department to obtain environmental permits. Before removing the project from the Merger Process the Department obtained all necessary concurrence up to and including Concurrence Point 2A.
- The Design-Build Team shall adhere to all environmental documents commitments. A copy of the 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 1 Office and the Construction Unit to inform the public of lane closures, construction progress, etc.

Roadway

- The Design-Build Team shall design and construct a two-lane facility on US 17 Business / NC 37 (North Church Street). The portion of the project north of the proposed bridge shall be designed and constructed to meet a 50 mph design speed for a rural collector. The remaining portion of the project, including the bridge, shall be designed and constructed to meet a 30 mph design speed for an urban collector.
- The Design-Build Team shall design and construct intersection modifications at the US 17 Business / NC 37 (Winfall Boulevard) intersection.

Structures

- The Design-Build Team shall design and construct all structures necessary to complete the project, including but not limited to, replacing the existing bridge over the Perquimans River (Bridge No. 8). The replacement structure shall include a swing span section over the navigational channel and bridge the adjacent earthen causeway.
- The Design-Build Team shall design and construct a bridge tender's house.
- The Design-Build Team shall permanently remove and dispose of the following existing features:
 - Bridge No. 8 over the Perquimans River, including but not limited to, the swing span section and all associated machinery
 - Bridge tender's house at Bridge No. 8
 - US 17 Business / NC 37 pile supported pavement sections located along the causeway

Hydraulics

- The Design-Build Team shall design and construct all storm drainage.
- The Design-Build Team shall be responsible for all 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.

- The Design-Build Team and NCDOT vibration monitoring responsibilities will be outlined in the Request for Proposals.

ITS

- The Design-Build Team shall design and install all Intelligent Transportation Systems (ITS) infrastructure and devices required to remotely operate the swing span section.
 - In the proposed bridge tender's house, the Design-Build Team shall design and install all infrastructure and devices to operate the swing span section over the Perquimans River navigational channel 1) on site, and 2) remotely from the Elizabeth City bridge tender's house located at Bridge No. 19 in Pasquotank County.
 - In the existing Elizabeth City bridge tender's house, the Design-Build Team shall modify the control room and equipment, as needed, to facilitate the remote operation of the swing span section over the Perquimans River navigational channel.

Geoenvironmental

- The Design-Build Team and NCDOT responsibilities for geoenvironmental remediation will be outlined in the RFP.
- It is anticipated that the Hertford Construction and Demolition Dump located on the west side of NC 17 Business, immediately north of Bridge No. 8, will not be impacted.

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 US Coast Guard authorization (Advanced Approval or Permit), a US Army Corps of Engineers Section 404 Individual Permit; a NC Department of Environmental Quality (DEQ), Division of Water Resources (DWR) Section 401 Water Quality Certification; a State Stormwater Permit; and a Division of Coastal Management (DCM) Coastal Area Management Act (CAMA) Major Development Permit.
- 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.
- The Design-Build Team shall develop and implement a plan to maintain boat traffic throughout project construction.

Pavement Markings

- The Design-Build Team shall develop Pavement Marking Plans and install all required temporary and permanent pavement markings and markers.

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.

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 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

- The Design-Build Team shall design and construct the relocation of all water and sewer facilities in conflict with the project.
- The Design-Build Team design and construct all utilities required inside the proposed bridge tenders house.

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 and easements required by the proposed design and / or construction.

Lighting

- The Design-Build Team shall design and install all decorative street lighting.
- The Design-Build Team shall design and install all lighting required for the on-site and remote operation of the swing span section.

Construction Engineering Inspection (CEI) Scope of Work

- The Department will be responsible for CEI work.