

U-5026 / U-5996 / R-5720 Project Synopsis

Stipend:

A stipulated fee of \$65,000 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 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 U-5026 / U-5996 / R-5720 will widen SR 1770 (Eastern Avenue/Sunset Avenue) and SR 1603 (North Old Carriage Road) to multi-lane facilities; provide a new interchange at I-95 and SR 1770 (Sunset Avenue); and modify the interchange and replace the bridge at US 64 and SR 1603 (North Old Carriage Road).
- The primary purpose of this project is to increase capacity, enhance safety and provide direct access to I-95 at SR 1700 (Sunset Avenue) in support of an economic development initiative in the Rocky Mount area.

Planning:

- The U-5996 / R-5720 Environmental Assessment (EA) / Finding of No Significant Impact (FONSI) is anticipated to be approved in April 2019.
- The U-5026 Categorical Exclusion (CE) was approved on November 1, 2017. A consultation is currently being coordinated and is anticipated to be approved in June 2019.
- The Design-Build Team shall adhere to all environmental commitments. A copy of the U-5026 CE and Consultation and the U-5996 / R-5720 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 NCDOT, NCDOT's Division 4 Office, the Construction Unit, the City of Rocky Mount, the Town of Nashville and other local municipalities to inform the public of lane closures, construction progress, detours, etc.

Roadway:

- Along SR 1770 (Eastern Avenue / Sunset Avenue), the Design-Build Team shall design and construct a four-lane, divided facility with a variable width median from SR 1003 (Red Oak Road) to SR 1544 (North Halifax Road). The Design-Build Team shall design and construct new roundabouts at the intersections of SR 1770 (Eastern

Avenue / Sunset Avenue) with SR 1633 (Regency Drive), SR 1814 (Kamlar Road), SR 1145 (East Old Spring Hope Road), SR 1610 (Arrow Road), and the Interstate 95 ramps; and replace existing roundabout at the entrance of Nash Community College.

- Along SR 1603 (North Old Carriage Road), the Design-Build Team shall design and construct a four-lane, divided facility with a variable width median from SR 1770 (Eastern Avenue / Sunset Avenue) to US 64 and a three-lane facility from US 64 to SR 1601 (Reges Store Road) / SR 1609 (Green Hills Road). The Design-Build Team shall design and construct new roundabouts at the intersections of SR 1603 (North Old Carriage Road) with the main entrance to Nash Community College, the US 64 ramps and SR 1601 (Reges Store Road) / SR 1609 (Green Hills Road).
- The Design-Build Team shall design and construct a new interchange at I-95 / SR 1770 (Sunset Avenue). The Design-Build Team shall design and construct the extension of the collector-distributor (C-D) lanes of the I-95 / US 64 interchange to south of the new I-95 / SR 1770 (Sunset Avenue) interchange.
- The Design-Build Team shall design and construct modifications to the US 64 / SR 1603 (North Old Carriage Road) interchange.

Structures:

- The Design-Build Team shall design and construct all structures necessary to complete the Project, including, but not limited to the following structures:
 - Bridge on SR 1770 (Sunset Avenue) over I-95
 - Bridge on SR 1603 (North Old Carriage Road) over US 64
- The Design-Build Team shall design and construct all reinforced concrete box culverts, including but not limited to replacing existing reinforced box culverts impacted by the project's design and / or construction.
- The Design-Build Team shall design and construct all required retaining walls.

Hydraulics:

- The Design-Build Team shall design and construct all storm drainage.
- The Design-Build Team shall obtain FEMA compliance for regulated stream crossings.
- The Design-Build Team shall be responsible for all Bridge and 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 structure subsurface investigations.
- The Design-Build Team shall design and construct all foundations, embankments, slopes, retaining walls, and temporary structures.

GeoEnvironmental:

- The Department has identified twenty-one (21) 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 environmental permits for this Project. The anticipated required permits include US Army Corps of Engineers Section 404 Permit, the NC Department of Environmental Quality (DEQ), Division of Water Resources (DWR) Section 401 Water Quality Certification and Tar River Riparian Buffer Authorization.
- Project U-5026 will be brought into the Merger Process at Concurrence Point 4A (avoidance and minimization). Projects U-5996 / R-5720 are not in the Merger Process. Once 4A meeting for Project U-5026 has been completed, 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 the Concurrence Point 4C requirements of the Merger Process.

Erosion and Sedimentation Control:

- The Design-Build Team shall be responsible for all erosion and sedimentation 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.

Pavement Design:

- Asphalt and / or 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 the suitability for carrying traffic during construction, if necessary.

Signing:

- The Design-Build Team shall design, fabricate and install all roadway signs as specified in RFP.

Location and Surveys:

- Electronic surveys will be provided to the short-listed Design-Build 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:

- The Design-Build Team shall design and construct the relocation of all water and sewer facilities in conflict with the Project.

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, easement, and / or control of access required by the proposed design and / or construction.

Traffic Signals:

- The Design-Build Team shall design and install all temporary and permanent traffic signals.
- The Design-Build Team shall upgrade an existing traffic signal.

Lighting:

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

ITS:

- The Design-Build Team shall design and install all Intelligent Traffic Systems (ITS) infrastructure and devices including, but not limited to, fiber optic communication cable and conduit, CCTV cameras, travel information Dynamic Message Signs (DMS), gate control systems, and related hardware.

Construction Engineering Inspection (CEI) Scope of Work:

- The Department will retain the responsibility for CEI work.