STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

December 13, 2022

Addendum No. 3

Contract No.:	C204695
TIP No.:	R-5777C
County:	Craven
Project Description:	US 70 from the Havelock Bypass to east of SR 1116 (Thurman Road)

RE: Addendum No. 3 to Final RFP

January 17, 2023 Letting

To Whom It May Concern:

Reference is made to the Final Request for Proposals with Addendum Nos. 1 and 2 dated December 5, 2022 recently furnished to you on the above project. We have since incorporated changes and have attached a copy of Addendum No. 3 for your information. Please note that all revisions have been highlighted in gray and are as follows:

The second and third pages of the *Table of Contents* have been revised. Please void the second and third pages in your proposal and staple the revised second and third pages thereto.

Page No. 184 of the *General Section* has been revised. Please void Page No. 184 in your proposal and staple the revised Page No. 184 thereto.

Page Nos. 257 and 258 of the *Hydraulics Scope of Work* have been revised. Please void Page Nos. 257 and 258 in your proposal and staple the revised Page Nos. 257 and 258 thereto.

Page No. 345 of the *Utilities Scope of Work* has been revised. Please void Page No. 345 in your proposal and staple the revised Page No. 345 thereto.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND
DEVELOPMENT UNIT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4119
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

If you have any questions or need additional information, I can be reached by telephone at (919) 707-6901.

Sincerely,

DocuSigned by:
Ronald E. Davenport, Jr.
F81B6038A47A442...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/mcw

cc: Jeff Cabaniss, PE
Lamar Sylvester, PE
Boyd Tharrington, PE
Teresa Bruton, PE
File

STANDARD SPECIAL PROVISIONS

- Describe how the design will affect the Department's right of way costs.
- Provide a Preliminary Signing Concept Map that includes, at a minimum, all proposed ground mounted Type A and B guide signs.
- Describe any proposed special materials, designs and / or construction methods, not referenced elsewhere in this RFP, that will reduce long term maintenance costs.

3. Schedule and Milestones - 25 points

Provide a Proposal Schedule that depicts the information noted in the *Proposal Schedule* PSP found elsewhere in this RFP. Also provide a Proposal Schedule Narrative that describes the Design-Build Team's proposed overall plan to accomplish the design and construction activities. At a minimum, the Proposal Schedule Narrative shall include, but not be limited to, the overall sequencing, a description and explanation of the Critical Path, proposed means and methods, resources, constraints and other key assumptions on which the Proposal Schedule is based. The Proposal Schedule and Proposal Schedule Narrative shall also include the following, as applicable:

- Identify the Schedule Representative that will be responsible for developing, updating and revising the Design-Build Team's CPM Schedule. Provide the Schedule Representative's qualifications, including but not limited to scheduling experience on projects of similar size, scope and complexity.
- Indicate if, and how, the Design-Build Team intends to divide the project into work segments to enable optimum construction performance.
- Describe the Design-Build Team's plans and procedures to ensure timely deliveries of materials to achieve the project schedule.
- Indicate how the Design-Build Team will maintain the project schedule if the Federal Land Transfer process, right of way acquisition process, including Advanced Acquisitions performed by the Department, railroad agreements and / or utility relocations are delayed. Identify other key risks the Design-Build Team anticipates and potential impacts to the schedule.
- Identify any self-imposed liquidated damages and associated Intermediate Contract Time(s), if applicable.
- Specify the duration, in calendar days, for ICT #17 and ICT #18.
- Identify the month of delivery of usable segments of the project.
- The final completion date and, if proposed, the substantial completion date, clearly indicated and **labeled "Final Completion Date" and "Substantial Completion Date"**.
- **** NOTE **** deleted bullet requiring specific construction activities that will occur outside jurisdictional resources prior to obtaining the environmental permits and their anticipated start date to be indicated.

4. Innovation / Added Value - 10 points

- Identify any aspects of the design or construction elements that the Design-Build Team considers innovative.
- If applicable, describe design parameters / construction methods that provide added value to the Department.

- HW/D for Build-out Discharges
- Hydraulic Freeboard for Build-out Discharges
- Comments

- Pipes within storm drainage systems that intercept and / or convey any offsite water from one side of a roadway to the other shall be considered a cross pipe if any of the following inlet conditions apply:

  - Open end
  - Berm Drainage Outlet (BDO)
  - Open Throat Catch Basin (OTCB)

  The cross pipe designation shall apply to all pipes in the storm drainage system that convey the offsite water flow from the aforementioned inlet to the outlet.

- For all cross structures requiring a hydraulically effective waterway opening of thirty square feet or more, excluding any area that is buried below the streambed, a reinforced concrete box culvert shall be required. The minimum reinforced concrete box culvert barrel height (inside dimension) shall be six feet, with a minimum six-foot clear opening height above the streambed. The minimum reinforced concrete box culvert barrel width (inside dimension) shall be six feet.

- Cross drainage shall be conveyed with a single drainage structure (pipe or box culvert) or single drainage structures in series. More than one line of pipe and / or three (3) box culvert barrels serving the same watershed shall not be allowed.

- All proposed drainage boxes, including but not limited to catch basins, drop inlets and junction boxes, shall have a grate or manhole access.

- If the Green Avenue crown point must be raised more than six inches solely to accommodate a single line of pipe, the Design-Build Team may install a dual line of pipes in accordance with the requirements noted below:

  - Maximum size for a single line of pipe shall be 72 inches in diameter, including but not limited to pipes that are upsized to allow for a buried inlet / outlet condition.
  - Minimum size for a dual line of pipes shall be the existing pipe size diameter or 24 inches in diameter, whichever is greater, including but not limited to pipes that are upsized to allow for a buried inlet / outlet condition.
  - Maximum size for a dual line of pipes shall be 54 inches in diameter, including but not limited to pipes that are upsized to allow for a buried inlet / outlet condition.

- In accordance with the requirements below, the Design-Build Team shall design and construct a non-active flow reinforced concrete box culvert (RCBC) barrel under US 70, including any ramps / loops, and -SRY3DY4C- at +/- Station 202+50 -L-:

  - The non-active flow RCBC barrel shall be adjacent to and equal in size to the active flow RCBC barrel(s) at the same location.
  - Seals shall be incorporated at the natural channel bank elevation.
  - The RCBC barrel shall be backfilled with native soil to allow for passage of Mabee's Salamander and Southern Chorus Frogs.

- Rip rap shall not be installed across the RCBC barrel openings.
- To provide light inside the RCBC barrel, non-active drainage boxes with frame and grates shall be installed out of the ditch flowline in 1) the US 70 median, 2) the median between US 70 and -SRY3DY4C-, and 3) the US 70 eastbound outside shoulder.

For all disciplines, the Design-Build Team shall include all preconstruction and construction costs required for the non-active flow RCBC barrel in the lump sum price bid for the entire project. The Design-Build Team will not be required to include any designs associated with the aforementioned RCBC barrel in the Technical Proposal.

Permit Coordination

- The Design-Build Team shall conduct an interagency hydraulic design review meeting and an interagency permit impacts meeting prior to the final submittal of the environmental permit applications. (Reference the Environmental Permits Scope of Work found elsewhere in this RFP) All work resulting from the interagency hydraulic design review meeting and the interagency permit impacts meeting shall be the Design-Build Team's responsibility. A minimum of five weeks prior to the appropriate interagency meeting, the Design-Build Team shall provide 1) hydraulic plans, 2) permit drawings, calculations, and impact sheets for the USACE 404 Permit and the NCDWR Section 401 Certification and 3) information required to obtain a Neuse Riparian Buffer Authorization to the Design-Build Unit. The Design-Build Team shall take minutes of the interagency hydraulic design review meeting and the interagency permit impacts meeting and provide them to the Department within three business days of the aforementioned meetings.

Right of Way / 60% Roadway Plans

- To ensure that all NCDOT hydraulic comments have been addressed, the Design-Build Team shall concurrently submit a copy of the Right of Way / 60% Roadway Plans and revised 100% Hydraulics Design Plans to the Hydraulics Unit for review and acceptance with the Right of Way / 60% Roadway Plans submittal.

US Forest Service Plan Review

- In addition to the required NCDOT hydraulic design reviews, the US Forest Service (USFS) will review all proposed drainage and drainage revisions located on NFS Lands, including but not limited to all plan revisions. With each plan submittal that requires NCDOT hydraulic design review on NFS Lands, the Design-Build Team shall concurrently provide a separate plan submittal to the Design-Build Unit for USFS review that only includes the Roadway Plans and proposed drainage on NFS Lands. The Design-Build Team shall allow 15 working days for the USFS to review the proposed hydraulic design.

General

- The Design-Build Team's design shall be in accordance with the information on the following website, the version of the following references effective on the Technical Proposal submittal date, and the contract requirements contained herein:

  - The North Carolina Division of Highways Hydraulics Unit website:

https://connect.ncdot.gov/resources/hydro/pages/default.aspx

The Design-Build Team shall provide water and sewer designs for all water and sewer facilities impacted by the project, including but not limited to all haul roads and temporary conditions resulting from the Design-Build Team's methods of operation and / or sequence of work. **All** water and sewer designs, including all temporary relocations and / or protection of existing water and sewer facilities, shall be coordinated with the NCDOT Utilities Unit and the utility owners or their representatives.

If the Design-Build Team relocates an existing water line with a SCADA system, the Design-Build Team shall design and install a 2" conduit system for the SCADA system relocation. The conduit system shall be installed in close proximity to the relocated water line and shall adhere to the following requirements:

- Minimum six-inch vertical separation above or below the water line
- Minimum 24" horizontal separation to the closest edge of the water line

Prior to installation, the Craven County Water Department shall review and approve the conduit system design. Once the conduit system is fully installed, the Craven County Water Department will install the fiber optic cable.

The Design-Build Team shall not impact the Craven County potable water supply well sites. If the Design-Build Team's design and / or construction methods damage any of the aforementioned well sites and / or require their relocation, all costs associated with the required repairs and / or relocation shall be borne by the Design-Build Team.

The relocation and / or protection of all water and sewer facilities shall be done in accordance with the NCDOT policies and standards, as well as the latest water and sewer design requirements / specifications for each individual utility company that are current on the Technical Proposal submittal date or the Best and Final Offer submittal date, whichever is later. In the event of conflicting design parameters in the requirements noted above, the proposed design shall adhere to the most conservative values. The water and sewer facility locations, materials and appurtenances proposed by the Design-Build Team shall require approval by both NCDOT and the appropriate utility owner prior to installation.

The Design-Build Team shall design and construct water / sewer facility extensions to all parcels with access to existing water and / or sewer facilities, including parcels subdivided by the project. The aforementioned water facility extensions shall be installed completely within the right of way. The aforementioned sewer facility extensions shall be installed completely within the right of way or a recorded easement.

Excluding water and / or sewer extensions due to encroachment into wells and / or septic systems, all costs associated with the design and construction for relocation, extension, and / or protection of water and / or sewer facilities shall be the responsibility of the Design-Build Team and shall be included in the lump sum bid for the entire project. Protection of water and sewer facilities shall include, but not be limited to encasement, lining and bridging. (Reference the General Section below for requirements associated with encroachment into wells and / or septic systems)

The Design-Build Team shall concurrently submit all water and sewer design submittals to the NCDOT State Utilities Manager, via the Design-Build Unit, and the appropriate utility owner for review and acceptance. All water and sewer design submittals shall include a title sheet, plan sheets, profile sheets and special provisions, if required. All water and sewer design submittals shall include all the aforementioned information in a full-size .pdf. Excluding the Release for Construction Water and / or Sewer Plans, the Design-Build Team shall allow the utility owners 30 days to review each water and / or sewer design submittal. At a minimum, the water and / or sewer design submittals shall consist of the following:

(A) Preliminary Water and / or Sewer Plans shall be submitted after the Department accepts the 100% Hydraulic Plans.