



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

September 11, 2020

**Addendum No. 2**

RE: Contract # C204558

WBS # 48793.3.1

FA# ER19005

**Bladen County**

REPLACE BRIDGES #16 &17 ON US-701 OVER CAPE FEAR RIVER.

**September 15, 2020 Letting**

To Whom It May Concern:

Reference is made to the proposal form furnished to you on this project.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 2 Dated 09-11-2020"
Table of Contents	Revised to add THELMA BUFFER ZONE AREA.
G-29	Revised to add Project Special Provision entitled <b>THELMA BUFFER ZONE AREA.</b>
ST-1	Revised to add <b>DRILLED PIER CONCRETE.</b>
New Pages ST-32 thru ST-33	Revised to add Project Special Provision entitled <b>DRILLED PIER CONCRETE.</b>

Please void the above listed existing Pages in your proposal and staple the revised Pages thereto. Please staple new Pages ST-32 and ST-33 after existing Page ST-31 in your proposal.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
*Ronald E. Davenport, Jr.*  
FB1B6038A47A442...

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

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

Telephone: (919) 707-6900  
Fax: (919) 250-4127  
Customer Service: 1-877-368-4968

Location:  
1020 BIRCH RIDGE DR.  
RALEIGH, NC 27610

Website: www.ncdot.gov

RED/jjr  
Attachments

cc: Mr. Lamar Sylvester, PE  
Mr. Greg Burns, PE  
Mr. Boyd Tharrington, PE  
Mr. Jon Weathersbee, PE  
Mr. Ken Kennedy, PE  
Project File (2)

Mr. Ray Arnold, PE  
Ms. Jaci Kincaid  
Ms. Lori Strickland  
Mr. Mike Gwyn  
Ms. Penny Higgins  
Mr. Mitchell Dixon  
Mr. Kyle Kempf

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

PROPOSAL

**INCLUDES ADDENDUM No.2 DATED 09-11-2020**

DATE AND TIME OF BID OPENING: **SEPTEMBER 15, 2020 AT 2:00 PM**

CONTRACT ID C204558  
WBS 48793.3.1

FEDERAL-AID NO. ER19005  
COUNTY BLADEN  
T.I.P. NO.  
MILES 0.567  
ROUTE NO. US 701  
LOCATION REPLACE BRIDGES #16 &17 ON US-701 OVER CAPE FEAR RIVER.

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

**NOTICE:**

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

**BIDS WILL BE RECEIVED AS SHOWN BELOW:**

**THIS IS A ROADWAY & STRUCTURE PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

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**COOPERATION BETWEEN CONTRACTORS:**

(7-1-95)

105-7

SP1 G133

The Contractor's attention is directed to Article 105-7 of the *2018 Standard Specifications*.

D6BR.POC.017 (Hurricane Dorian - Emergency Demolition of Bridge #16 over the Cape Fear River) is currently under construction and is located within the project limits. D6BR.POC.017 will not be complete prior to the letting of this project, and will impact this project as follows:

- Contractor to have full access to southside of the project, up to and including Bent #4, by November 30, 2020.
- Contractor to have full access to Bent #5 by December 26, 2020.
- The rock embankment associated with the northside of Bridge #16 will be completed by January 25, 2021.
- The barge landing located on the north bank shall be removed by February 15, 2021.
- Contractor to have full access to the entire project on February 16, 2021.

The Contractor on this project shall cooperate with the Contractor working within or adjacent to the limits of this project to the extent that the work can be carried out to the best advantage of all concerned.

**NOTES TO CONTRACTOR:****Department Owned Traffic Control Devices on the Project-**

After the advanced work zone warning signs have been installed and the NCDOT drums have been replaced as described in Phase I of the Traffic Control Plans, the Contractor shall collect, load, transport and unload the existing traffic control devices owned by the Department to the following address:

Bladen County Maintenance Yard  
5749 US 701 North  
Elizabethtown, NC 28337

There will be no payment for the collection, loading, transportation, and unloading of Department owned traffic control devices to the address listed above.

**THELMA BUFFER ZONE AREA:**

No construction activities will be allowed within the Buffer Zone surrounding CFR0064-Thelma as shown in the permit drawings, except as directed by the Engineer. The Department is reviewing any incursion of the existing structure into this buffer zone. If there is any such incursion, the buffer zone delineation will be adjusted to allow the Contractor access to complete any demolition/construction activities. This Buffer Zone delineation revision, if necessary, will be completed prior to the Project Date of Availability shown in the contract documents. The Contractor shall coordinate with the Engineer prior to any work adjacent to the Buffer Zone to ensure compliance with the Permit conditions.

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**DRILLED PIER CONCRETE****(9-10-20)**

Drilled Pier concrete shall be placed in accordance with Article 1000-4 of the 2018 Standard Specifications except as modified below:

Drilled Pier concrete shall contain an approved set-retarding, water-reducing admixture, and flyash or ground granulated blast furnace slag in the amount of 25% by weight of the total cementitious material (portland cement plus flyash). Fly ash or ground granulated blast furnace slag used in the drilled pier concrete mix shall meet the requirements of Articles 1024-5 and 1024-6 of the Standard Specifications. Portland Cement shall meet the requirements of AASHTO M85 for Type II. The total cementitious material shall not exceed 640 lbs. per cubic yard of concrete. The Contractor shall test and submit results for the compressive strength of his proposed mix design for review and approval. The strength must be taken as the average of at least three cylinders made in the laboratory and meet the minimum 28 day strength requirements noted in the contract plans.

The temperature of drilled pier concrete at the time of placement shall not be less than 40°F nor more than 75°F.

The elapsed time for placing drilled shaft concrete includes the concrete mixing and transit time, the concrete placement time, and the time required to remove any tremies, temporary casings, etc. Place concrete within the slump requirements listed in Table 1000-1 of the 2018 Standard Specifications and maintain a minimum slump of 5 inches throughout the elapsed time. Provide slump loss tests in accordance with the procedures listed below that demonstrate to the Engineer that the concrete will maintain a 5 inch or greater slump for the anticipated elapsed time before beginning drilled shaft construction.

**Slump Loss Test****Procedure**

- Perform the test on concrete intended for use in the final product and meeting all applicable specifications.
- This test may be performed at the concrete plant. Notify the Engineer at least 48 hours before performing this slump loss test to allow arrangements for a Department representative to witness the mixing and testing required.
- Prepare the approved mix for the slump loss test at a temperature consistent with ambient and concrete temperatures expected during actual concrete placement.
- Ensure that the test batch is a minimum of 3 cubic yards.
- Begin measuring concrete placement time when initially introducing water into the mix.
- After the test batch has been mixed according to requirements, perform initial slump (ASTM C143), ambient and concrete temperatures (ASTM C1064). Ensure that the concrete properties are within the required specification limits.
- Discharge approximately 1 cubic foot of test batch concrete and perform slump, ambient and concrete temperature every 30 minutes. Discontinue the test when the slump test results in a slump of 3" or less.

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- Between tests, agitate the mixer at the midrange of the mixer manufacturer's recommended agitating speed. Remix the batch for one minute at the mixing speed of the mixer before determining slump, ambient and concrete temperatures.
- Record all results (Form to be provided by M&T). Additionally, report the slump versus elapsed time in a graphical form. If the slump from the graph is less than 5" at the end of the projected placement time for the drilled shaft, redesign the mix and repeat the process.

The entire cost of this work shall be included in the unit contract price bid for the drilled piers.