



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

July 11, 2017

**Addendum No. 1**

Contract No.: C204050  
WBS No.: 17BP.6.R.108  
County: Harnett  
Project Description: Three (3) Express Design-Build Bridge Replacements in  
Division 6 Set C

RE: Addendum No. 1 to Final RFP

**July 18, 2017 Letting**

To Whom It May Concern:

Reference is made to the Final Request for Proposals dated June 29, 2017. We have since incorporated changes, and Addendum No. 1 to the Final RFP has been posted to the web address as follows:

[https://connect.ncdot.gov/letting/Pages/Design-Build-Letting-Details.aspx?let\\_id=Express-DB-Yr7-Div06C](https://connect.ncdot.gov/letting/Pages/Design-Build-Letting-Details.aspx?let_id=Express-DB-Yr7-Div06C)

Please note that all revisions have been highlighted in gray and are as follows:

The *Cover Sheet* has been revised. Please void the *Cover Sheet* and replace it with the revised *Cover Sheet*.

Page No. 3 of the *Project Special Provisions* has been revised. Please void Page No. 3 in your proposal and replace it with the revised Page No. 3.

Page No. 49 of the *Structures Scope of Work* has been revised. Please void Page No. 49 in your proposal and replace it with the revised Page No. 49.

Page Nos. 74 and 75 of the *Utilities Coordination Scope of Work* has been revised. Please void Page Nos. 74 and 75 in your proposal and replace it with the revised Page Nos. 74 and 75.

The *Itemized Proposal Sheet* has been revised. Please void the *Itemized Proposal Sheet* and replace it with the revised *Itemized Proposal Sheet*.

Express Design-Build Bridge Replacements in Division 6 Set C  
Distribution of Addendum No. 1 to Final RFP  
Page 2

If you have any questions or need additional information, I can be reached by telephone at (919) 707-6900.

Sincerely,

DocuSigned by:  
  
F81B6038A47A442...  
R. E. Davenport, Jr., PE  
State Contract Officer

RED:jjl

cc: Mr. Greg Burns, PE  
Mr. Mike Holder, PE  
File

Ms. Virginia Mabry  
Ms. Teresa Bruton, PE  
Ms. Christy Huff, PE

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

**FINAL REQUEST FOR PROPOSALS**



**DESIGN-BUILD PROJECT**

**Project 17BP.6.R.108**

**June 29, 2017**

**Includes Addendum No. 1 Dated July 11, 2017**



*VOID FOR BIDDING*

DATE AND TIME OF PRICE PROPOSAL OPENING: **July 18, 2017 AT 2:00 PM**

CONTRACT ID: C204050

WBS ELEMENT NO.: 17BP.6.R.108

COUNTIES: Harnett County

ROUTE NO. Various

MILES: 0.281 miles

LOCATION: Replacement of Three Bridges in Harnett County

TYPE OF WORK: DESIGN-BUILD AS SPECIFIED IN THE SCOPE OF WORK  
CONTAINED IN THE REQUEST FOR PROPOSALS

NOTICE:

ALL PROPOSERS 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 PROPOSER 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. PROPOSERS 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. NOT WITHSTANDING THESE LIMITATIONS ON BIDDING, THE PROPOSER WHO IS AWARDED ANY PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING, REGARDLESS OF FUNDING SOURCES.

\_\_\_\_\_  
5% BID BOND OR BID DEPOSIT REQUIRED  
\_\_\_\_\_

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Interior Bent Caps Structure _____	Each

**End Bents (Each):** *End Bents* will be measured and paid for by each. Work will include all material, labor, and equipment to construct each end bent, including the necessary bearing devices, anchors bolts or other such connection, and wing walls.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
End Bents Structure _____	Each

**Design and Construction of Bridges (LS):** *Design and Construction of Bridges* will be paid for as lump sum. No measurement will be made. Work will include all material, labor and equipment to complete all of the work required by the contract at all sites specified as bridges in the RFP, excluding those specific contract unit price items listed above. Work will include all preconstruction activities including, but not limited to, design, permitting, asbestos assessment of existing bridge, utility coordination services and other preconstruction services, regardless of the final design, bridge length, foundation length, or number of interior bents. Work will also include all other construction required by the contract including, but not limited to, erosion and sediment control, earthwork, drainage, pavement, signing, bridge approach fills, approach slabs, temporary shoring, 12” water main relocation, removal of existing structure and guardrail. Work will also include all surveying and geotechnical investigative work as may be required by the contract.

Work will also include any additional materials and labor needed to provide up to a 1'-6" increase in the existing roadway grade to satisfy all contract requirements, including FEMA compliance, as applicable.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Design and Construction of Bridges	Lump Sum

**Right of Way Acquisition (EA):** *Right of Way Acquisition* services will be paid for per each parcel from which a utility easement and/or right of way is required. Work will include all labor and services necessary to acquire the easements/right of way as required by the Right of Way Scope of Work.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Right of Way Acquisition	Each

**Adjustments to Quantities and Payment**

The Itemized Proposal Sheet provides the quantity of linear feet of *Bridge Length, Foundation Length* and the quantity of *Interior Bent Caps* to be bid for each bridge site. By submitting this

Structure Number	Site Description	Out- Out Width (ft)	Fill Face to Fill Face Length (ft)	Bent Placement Limitations	# of Spans	End Bent #1 Foundation Length (& est. tip elev.)	End Bent #2 Foundation Length (& est. tip elev.)	Interior Bent Foundation Length (& est. tip elev.)	Foundation Type
420011	SR 2002 over East Buies Creek	33	110	Allowed in water, not within 5' of top of bank.	2	10 (88)	10 (88)	15 (75)	Steel H-Piles with pile points @ End Bents and Drilled Piers @ Interior Bent
420133	SR 1722 over Black River	33	80	Allowed in water, not in center third of channel and 10' offset from edge of channel	1	60 (116)	60 (116)	N/A	Steel H-Piles @ End Bents
420134	SR 1722 over Black River Overflow	33	90	None	1	70 (106)	65 (111)	N/A	Steel H-Piles @ End Bents

Notes:

Assumed Foundation Type at End Bents is Driven Steel H-Piles with factored resistance per NCDOT Standard Bridge Loads and NCDOT LRFD Driven Pile Policy.

Assumed Foundation Type at Interior Bents is Drilled Piers with factored resistance per NCDOT Standard Bridge Loads.

The estimated tip elevations are based on an examination of the borings and taking into account roughly 10 feet of scour depth (for interior bents) and are shown for informational purposes. The estimated tip elevations are not necessarily true elevations but may instead relate to an assumed benchmark noted on the boring logs; benchmarks were not always accessible at the time of borings. Foundation length was determined by comparing the existing grade and bridge seat elevations with the estimated pile tip elevations, taking into account any adjustment needed to the assumed benchmark, as appropriate

## **UTILITIES COORDINATION SCOPE OF WORK**

The Design-Build Team shall obtain the services of a Private Services Firm (PSF) knowledgeable in the NCDOT Utility Coordination Process involved with utility relocation / installation and highway construction. The Design-Build Team shall be responsible for coordinating all utility relocations, removals, and / or adjustments where the Design-Build Team and Utility Company, with concurrence from the Department, determine that such work is essential for highway safety and performance of the required highway construction. Coordination shall be for all utilities whether or not they are specifically identified in this scope of work and shall include any necessary utility agreements when applicable. NCDOT will be the approving authority for all utility agreements and approval of plans.

The Design-Build Team shall be responsible for verifying the utility locations, type of facilities, and identifying the utility owners in order to coordinate the relocation of any utilities, known and unknown, in conflict with the project.

After all utility conflicts have been identified by the Design-Build Team at a bridge site, if requested by the Design-Build Team, the Department will write a letter to the affected utility owners introducing the project to the owners and requesting their cooperation with the Design-Build Team to adjust utilities in a timely manner.

### **Cost Responsibility**

At Bridge No. 420011, the Design-Build Team shall be responsible for relocating water and sewer facilities that have prior rights or other compensable interest; however the cost of relocating these facilities, as well as any necessary design and permitting for these utilities, will be paid for as Extra Work in accordance with Article 104-8(A) of the Standard Specifications. The NCDOT will be responsible for all other non-betterment utility relocation costs when the utility company has prior rights of way / compensable interest. The utility company shall be responsible for the relocation costs if they cannot furnish evidence of prior rights of way or a compensable interest in their facilities. The Design-Build Team shall be responsible for determining the cost responsibility for the utility relocations. The Design-Build Team shall be responsible for all costs associated with utility relocations due to haul roads and / or any other temporary conditions resulting from the Design-Build Team's methods of operation or sequence of work.

At Bridge Nos. 420133 and 420134, the Design-Build Team shall be responsible for all cost associated with the design and construction for relocating the water main. The Design-Build Team shall be responsible for all costs associated with utility relocations due to haul roads and / or any other temporary conditions resulting from the Design-Build Team's methods of operation or sequence of work.

### **Water and Sewer**

If the Design-Build Team's design and / or construction require the relocation of existing water or sewer facilities, designs shall be coordinated with the NCDOT Utilities Unit. The Design-Build Team shall develop designs; prepare all plans for needed agreements and permits; submit permits directly to the agencies and obtain approval from the agencies.

Designs shall be coordinated with the NCDOT Utilities Unit. The Design-Build Team shall be responsible for submitting electronically the set (half size and full size plans in pdf format) of utility construction drawings to the State Utilities Manager, via the Design-Build Unit, for further handling. Each set shall include a title sheet, plan sheets, profiles and special provisions if required. Once approved by the State Utilities Manager, the Design Build Team will submit the plans to the agencies to obtain approval.

The relocation of all water and sewer facilities shall be done in accordance with the NCDOT policies and the latest water and sewer design requirements / specifications of the appropriate Utility Owner. In the event of conflicting design parameters in the requirements noted above, the proposed design shall adhere to the most conservative values. The Design-Build Team may obtain the design requirements / specifications from the respective utility.

### **Utility Relocation Plans**

In the event of a utility conflict other than water and sewer, the Design-Build Team shall submit Highway Construction Plans to the utility company and request that the utility company submit Utility Relocation Plans that show existing utilities and proposed utility relocations for approval by the NCDOT. If Permanent Utility Easement (PUE) is required to relocate a utility, the PUE acquired will be the minimum area necessary to safely relocate the utility. Wetlands, Historical Areas and areas that can be shared with a Drainage/Utility Easement (DUE) or Aerial Utility Easement (AUE) shall be taken into account. If during the Departments review, the PUE is determined to be excessive the Department will request the PUE be reduced as necessary.

The Design-Build Team shall electronically submit a set (half size and full size plans in pdf format) of the Utility Relocation Plans to the State Utilities Manager, via the Design-Build Unit, for review and approval prior to relocation work beginning. The Design-Build Team shall also be responsible for submitting the appropriate agreements to be used with the Utility Relocation Plans (See Agreements found elsewhere in this scope of work). After the review process is complete, the NCDOT Utility Coordination Unit will submit one (1) copy of the Utility Relocation Plans, executed agreements and any necessary comments back to the Design-Build Team. The NCDOT Utility Coordination Unit will also submit an electronic copy of the approved Utility Relocation Plans to the Department's Resident Engineer. If the Utility Relocation Plans are approved subject to changes, it shall be the Design-Build Team's responsibility to coordinate these changes with the appropriate utility company.

### **Compensable Interest**

Typically, affidavits, recorded easements or NCDOT agreements can serve as evidence of prior rights. A compensable interest is identified as follows:

- (A) Existing or prior easement rights within the limits of the project, either by recorded right of way or adverse possession (Utility occupying the same location for twenty (20) plus years outside the existing highway rights of way).
- (B) Entities covered under *General Statute 136-27.1* and *136-27.2*. Statute requires the NCDOT to pay the non-betterment cost for certain water, sewer and gas relocations.
- (C) Utilities that have a joint-use agreement that constitutes a compensable interest with entities that have existing or prior easements rights within the project limits.

County : Harnett

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY ITEMS</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000900000-N	SP	GENERIC MISCELLANEOUS ITEM DESIGN & CONSTRUCTION OF BRIDGES	Lump Sum	L.S.	
0003	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM END BENTS STRUCTURE #420133	2 EA		
0004	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM END BENTS STRUCTURE #420134	2 EA		
0005	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM RIGHT OF WAY ACQUISITION	6 EA		
0006	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT END BENT #1 STRUCTURE #420133	60 LF		
0007	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT END BENT #1 STRUCTURE #420134	70 LF		
0008	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT END BENT #2 STRUCTURE #420133	60 LF		
0009	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT END BENT #2 STRUCTURE #420134	65 LF		
0010	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #420133	80 LF		
0011	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #420134	90 LF		
***** BEGIN SCHEDULE AA ***** ***** ( 2 ALTERNATES ) *****						
0012	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM END BENTS STRUCTURE #420011	2 EA		
<b>AA1</b>						
0013	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM INTERIOR BENT CAPS STRUCTURE #420011	1 EA		
<b>AA1</b>						



County : Harnett

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0014 AA1	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT END BENT #1 STRUCTURE #420011	10 LF		
0015 AA1	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT END BENT #2 STRUCTURE #420011	10 LF		
0016 AA1	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT INTE- BENT #1 STRUCTURE #420011	15 LF		
0017 AA1	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #420011	110 LF		
*** OR ***						
0018 AA2	0000900000-N	SP	GENERIC MISCELLANEOUS ITEM ALTERNATE LUMP SUM BID FOR BRIDGE #420011	Lump Sum	L.S.	
***** END SCHEDULE AA *****						
0853/Jul11/Q586.0/D15775000/E18			Total Amount Of Bid For Entire Project :			