



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

August 14, 2019

**Addendum No.1**

Contract No.: C204509  
WBS #: 17BP.12.R.95  
Counties: Alexander  
Project Description: One (1) Express Design-Build Bridge Replacement in Division 12

RE: Addendum No. 1 to Final RFP

**August 20, 2019 Letting**

To Whom It May Concern:

Reference is made to the Final Request for Proposals dated August 8, 2019. 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=Emergency EDB Division 12 Alexander 120](https://connect.ncdot.gov/letting/Pages/Design-Build-Letting-Details.aspx?let_id=Emergency EDB Division 12 Alexander 120)

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

The *Table of Contents* has been revised. Please void the *Table of Contents* and replace it with the revised *Table of Contents*.

Page Nos. 1, 5 and 7 of the *Project Special Provisions* has been revised. Please void Page Nos. 1, 5 and 7 and replace it with the revised Page Nos. 1, 5 and 7.

Page No. 40 of the *Roadway Scope of Work* has been revised. Please void Page No. 40 and replace it with the revised Page No. 40.

Addendum No. 1 August 14, 2019  
One (1) Express Design-Build Bridge Replacement in Division 12  
Distribution of Final RFP  
Page 2

If you have any questions or need additional information, I can be reached by telephone at (919) 707-6930.

Sincerely,

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

RED:jse

Cc: Mr. Mark Stafford, PE  
Mr. Christopher Werner, PE  
Ms. Teresa Bruton, PE

Ms. Virginia Mabry  
File

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**PROPOSAL FORMS**

Itemized Proposal Sheet

**\*\*\* PROJECT SPECIAL PROVISIONS \*\*\*****CONTRACT TIME AND LIQUIDATED DAMAGES**

07/12/07

DB1 G04A

The date of availability for this contract is **September 16, 2019**, except that the Design-Build Team shall not begin ground disturbing activities, including utility relocations (this does not include permitted investigative borings covered under a Nationwide Permit No. 6) until a meeting is held between the NCDOT, the regulatory agencies and the Design-Build Team.

The Design-Build Team shall not begin ground disturbing activities in jurisdictional areas until the applicable permits have been acquired as stipulated in the Environmental Permits Scope of Work contained elsewhere in this Request for Proposals (RFP).

The completion date for this contract is **March 14, 2021**.

When observation periods are required by the special provisions, they are not a part of the work to be completed by the completion date and /or intermediate contract times. Should an observation period extend beyond the final completion date, the acceptable completion of the observation period shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Hundred Dollars (\$ 200.00)** per calendar day.

**INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES**

(7-1-95) (Rev. 2-21-12)

108

SP1 G13 A

Except for that work required under the Project Special Provisions entitled *Planting, Reforestation* and/or *Permanent Vegetation Establishment*, included elsewhere in this proposal, the Contractor will be required to complete all work included in this contract and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is **September 16, 2019**.

The completion date for this intermediate contract time is **September 15, 2020**.

The liquidated damages for this intermediate contract time are **Six Hundred Dollars (\$ 600.00)** per calendar day.

Upon apparent completion of all the work required to be completed by this intermediate date, a final inspection will be held in accordance with Article 105-17 and upon acceptance, the Department will assume responsibility for the maintenance of all work except *Planting, Reforestation* and/or *Permanent Vegetation Establishment*. The Contractor will be responsible for and shall make corrections of all damages to the completed roadway caused by his planting operations, whether occurring prior to or after placing traffic through the project.

provisions of Article 104-7 of the Standard Specifications will apply to the work items covered by *the Design and Construction of Bridges* line item to the extent needed beyond the 1'-6" grade change already accommodated in the lump sum price bid for *Design and Construction of Bridges*.

**DESIGN AND CONSTRUCTION ITEMIZATION**

(3-21-15) EDB

Reference is made to the Measurement and Payment Project Special Provision and the pay item for *Design and Construction of Bridges* contained therein. Within 30 days after award of the contract, the Design-Build Team shall submit to the Engineer, an itemization of the anticipated costs associated with the work items contained in the amount bid for *Design and Construction of Bridge*. The itemization shall, at a minimum, break out the costs for design, other preconstruction services, the summation of all typical roadway pay items and a breakdown of all typical bridge pay items.

**MOBILIZATION**

(8-28-17)

DB1 G15A

Revise the 2018 *Standard Specifications for Roads and Structures* as follows:

**Page 8-1, Subarticle 800-2, MEASUREMENT AND PAYMENT**

Delete this subarticle in its entirety and replace with the following:

**800-2 MEASUREMENT AND PAYMENT**

Five percent of the “Total Amount of Bid for Entire Project” shall be considered the lump sum amount for Mobilization. Partial payments for Mobilization will be made beginning with the first partial pay estimate paid on the contract. Payment will be made at the rate of 40 percent of the lump sum amount calculated for Mobilization. The remaining 60 percent will be paid with the second partial pay.

**SUBMITTAL OF QUANTITIES, FUEL BASE INDEX PRICE AND OPT-OUT OPTION**

(1/23/14) EDB

EDB1 G43

**(A) Submittal of Quantities**

Submit quantities on the *Fuel Usage Factor Chart and Estimate of Quantities* sheet that is located in the electronic bidding file.

The Design-Build Team shall prepare an Estimate of Quantities that they anticipate incorporating into the completed project and upon which the Price Proposal was based. The quantity breakdown shall include all items of work that appear in the *Fuel Usage Factor Chart and Estimate of Quantities* sheet. Only those items of work which are specifically noted in the Fuel Usage Factor Chart will be subject to fuel price adjustments. Fuel price adjustments will not apply to changes in these quantities resulting from a supplemental agreement.

After evaluation, the Contract Officer will respond to the question in writing to the Design-Build Team only. Other teams will not be notified of the question or answer.

### **VALUE ANALYSIS**

(9-1-11)

EDB1 G57

Value Engineering Proposals, as specified in Article 104-12 of the 2018 *Standard Specifications for Roads and Structures*, and as modified in the Standard Special Provision entitled “Value Engineering Proposals” will be accepted. Only proposals, which alter the requirements of the RFP issued by the Department, will be considered as Value Engineering Proposals.

To minimize re-design efforts and costs, the Design-Build Team is encouraged to submit Preliminary Value Engineering Proposals that provide an estimate of cost or time savings, span layout, span lengths, foundation types, or other such general information and how they differ from that specified in this RFP. Therefore, full design packages for the proposed structure and that for the structure specified in this RFP are not required, but enough detail should be provided to clearly show the cost of both options (excluding design cost).

The \$10,000 threshold for consideration of a Value Engineering Proposal, as specified in Article 104-12 applies.

Value Engineering Proposals will not be required or allowed for the sole purposes of reducing the depth of foundations or to shorten the bridge length unless a change to the foundation type (drilled piers versus piles) or a change to the superstructure type is proposed and accepted. Instead, such reduction in foundation depth or bridge length will result in an adjustment in partial payments to the Design-Build Team in accordance with the Project Special Provision entitled “Measurement and Payment.” However, as an incentive to the Design-Build Team to provide an economical structural design, the Design-Build Team will be paid a lump sum of 15% of the total partial payment adjustment attributable to the reduced pay item quantities for Foundation Depth and/or Bridge Length, as applicable. Said lump sum payment will be made upon approval of all design submittals, and receipt of all permits and FEMA compliance for a given bridge site. The 15% incentive will not apply to a bridge if the total partial payment adjustments noted above for that bridge are less than \$5,000.00.

### **SCHEDULE OF ESTIMATED COMPLETION PROGRESS**

(9-1-11) (Rev. 8/31/17)

DB1 G58

The Design-Build Team's attention is directed to the *Availability of Funds - Termination of Contracts* Standard Special Provision found elsewhere in this RFP. The Department of Transportation's schedule of estimated completion progress for this project, as required by that Standard Special Provision, is as follows:

<u>Fiscal Year</u>	<u>Progress (% of Dollar Value)</u>
2020 (07/01/19 – 06/30/20)	50% of Total Amount Bid
2021 (07/01/20 – 06/30/21)	50% of Total Amount Bid

**ROADWAY SCOPE OF WORK****Project Details**

- The Design-Build Project consists of replacing one bridge located on SR 1121 (Herman Road) over Spring Creek in Alexander County.
- The Design-Build Team shall be responsible for designing and constructing the bridge approaches to tie the new structure into the existing pavement in accordance with the NCDOT *Sub Regional Tier Design Guidelines for Bridge Projects* dated February 2008, current NCDOT design standards and NCDOT policies. The Design-Build Team shall make every effort to stay within the existing right of way to reduce or eliminate the need for additional right of way or easements.
- Bridge 010120 is on a subregional route with a functional classification of Local.
- The Design-Build Team shall use Design Speed ADT, Travel Lane Width, and the Paved Shoulder Width as shown in the table below (unless otherwise noted herein) for the full length of the construction limits. The Design Build Team shall use the Out to Out Bridge Width as specified in the *Structures Scope of Work*. The lanes shall be striped to match existing travel lane widths.

County	Bridge No.	Route	Design Speed (mph)	ADT	Travel Lane Width (ft)	Paved Shoulder (ft)
Alexander	010120	SR 1121	50	610	10	0

- At a minimum, the Design-Build Team shall construct full depth pavement in all areas of pavement removal, widening or re-alignment. In no case shall the existing pavement width be narrowed.
- The length of overlay, wedging, and new pavement at the proposed bridge shall extend a minimum 150 feet from the ends of the proposed structure (fill face) and excludes the bridge length. The Design-Build Team shall provide a grade for the project limits which provides the most desirable grade ties to existing within project limits.
- The Design-Build Team shall pave to the face of guardrail for its full length and taper at an 8:1 ratio to the proposed edge of pavement.
- Unless noted otherwise elsewhere in the RFP, all guardrail should be designed and placed in accordance with the January 2018 NCDOT *Standard Drawings* and/or approved details in lieu of standards. Unless noted otherwise elsewhere in the RFP, for subregional bridges, the length of guardrail installed shall be based on the length provided in the NCDOT *Sub Regional Tier Design Guidelines for Bridge Projects* dated February 2008.
- A crest vertical curve high point is permitted on a bridge or approach slab provided the Design-Build Team can demonstrate that (1) the design directs water off the travel lanes in an effective manner and (2) providing a tangent grade on the structure would create