



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 7, 2012

Addendum No. 1

Contract No.: C 202943
TIP No.: 17BP.8.R.57
Counties: Chatham, Lee, Moore and Randolph
Project Description: Replacement of 1 Bridge in Chatham County, 1 Bridge in Lee County,
5 Bridges in Moore County and 4 Bridges in Randolph County.

RE: Addendum No. 1 to Final RFP

March 20, 2012 Letting

To Whom It May Concern:

Reference is made to the Final Request for Proposals dated February 8, 2012 recently furnished to you on the above project. We have since incorporated changes, and have attached a copy of Addendum No. 1 for your information. Please note that all revisions have been highlighted in gray and are as follows:

On the COVER SHEET, change the date for the Price Proposal Submission to **March 16, 2012**. Please mark though the date shown on the February 8, 2012 (Labeled) RFP and insert the new date. These corrections must be done in ink and initialed and dated by your Team's primary contractor (reference the attached example). The corrected Final RFP must be used to submit the Price Proposal for return to this office.

The second page of the *Table of Contents* has been revised. Please void the second page in your proposal and staple the revised second page thereto.

Page Nos. 4, 6, 7, and 37 of the *Project Special Provisions* have been revised. Please void Page Nos. 4, 6, 7, and 37 in your proposal and staple the revised Page Nos. 4, 6, 7, and 37 thereto.

Page 41 of the *General Section* has been revised. Please void Page No. 41 in your proposal and staple the revised Page No 41 thereto.

Page 44 of the *Roadway Scope of Work* has been revised. Please void Page No. 44 in your proposal and staple the revised Page No 44 thereto.

Page 54 of the *Hydraulics Scope of Work* has been revised. Please void Page No. 54 in your proposal and staple the revised Page No. 54 thereto.

Page No. 127 has been added to incorporate Errata. Please staple Page No.127 to Page No. 126 as a new page in your proposal.

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

WEBSITE: WWW.NCDOT.ORG

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC

Please void the sixth page of the *Itemized Proposal* sheets dated January 13, 2012 in your proposal, and staple the revised sixth page *Itemized Proposal* sheet dated March 5, 2012 thereto.

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

Sincerely,

R. A. Garris, P.E.
Contract Officer

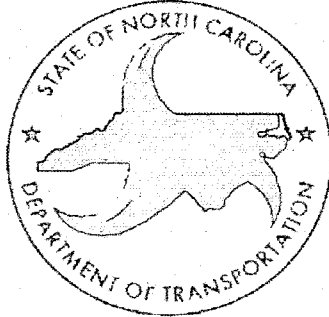
RAG/tab

cc: Mr. Victor Barbour, PE
Mr. Rodger Rochelle, PE
Ms. Teresa Bruton, PE

Mr. Richard Hancock, PE
Ms. Virginia Mabry

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

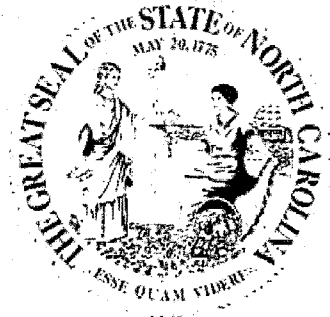
FINAL REQUEST FOR PROPOSALS



DESIGN-BUILD PROJECT

Project 17BP.8.R.57

February 8, 2012



VOID FOR BIDDING

Example

DATE AND TIME OF PRICE PROPOSAL SUBMISSION: ~~March 14, 2012~~ ^{March 16, 2012} BY 4:00 PM ^{3/5/12} ^{A.B.C}

DATE AND TIME OF PRICE PROPOSAL OPENING: **March 20, 2012 AT 2:00 PM**

CONTRACT ID: C 202943

WBS ELEMENT NO. 17BP.8.R.57

COUNTIES: Chatham, Lee, Moore and Randolph

ROUTE NO. Various

MILES: 1.45

LOCATION: Replacement of One Bridge in Chatham County, One Bridge in Lee County, Five Bridges in Moore County and Four Bridges in Randolph 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

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PROPOSAL FORMS - ITEMIZED SHEET, ETC.

- Itemized Proposal Sheet
- Fuel Usage Factor Chart and Estimate of Quantities
- Listing of MBE / WBE Subcontractors
- Execution of Bid, Non-Collusion Affidavit, Debarment Certification and Gift Ban Certification
- Signature Sheet

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.

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 Price Proposal, the Design-Build Team acknowledges that these quantities are intended for bidding purposes and may or may not be the final design quantities. In the event that the final design quantities for *Bridge Length*, *Foundation Length*, and *Interior Bent Caps* differ from those presented in the Itemized Proposal Sheet, adjustment will be made to the partial payments made to Design-Build Team per the applicable contract unit prices.

The Itemized Proposal Sheet provides the quantity of parcels from which utility easement or right of way will be required across all bridge sites. By submitting this Price Proposal, the Design-Build Team acknowledges that this quantity is intended for bidding purposes and may or may not be the final quantity. In the event that the final quantity of impacted parcels differs from that shown in the Itemized Proposal Sheet, adjustment will be made to the partial payments made to the Design-Build Team per the unit price bid per Each for *Right of Way Acquisition*.

All contract pay items for this contract are considered minor contract items.

No adjustments to the pay quantities will be made until such time that all pertinent design submittals are approved and all permits and FEMA compliance for a given bridge site have been obtained.

In the event of any increase in any of the above quantities, the Design-Build Team will be required to demonstrate through the pertinent design submittals the need for the additional quantities.

In the event of any decrease in any of the above quantities, the Design-Build Team will be eligible for an incentive for such reduction (reference the Project Special Provision entitled "Value Analysis." This incentive and special provision do not apply to the line item for *Right of Way Acquisition*.

If during the course of the design phase, the Design-Build Team proposes a span arrangement that eliminates the contract line item for *Interior Bent Caps* for that bridge, then the provisions of Article 104-12 of the Standard Specifications will apply.

If during the course of the design, the Design-Build Team demonstrates to the Department's satisfaction that a bridge that is proposed as a one span bridge herein must be revised to a multiple span bridge such that a new line item for Interior Bent Caps is required, then the provisions of Article 104-7 of the Standard Specifications will apply.

The Structure Scope of Work does not specify a size of superstructure (e.g. 21" deep cored slab) or foundation pile size (e.g. 12 x 53); instead the determination of these sizes is the responsibility of the Design-Build Team. No additional compensation will be provided for any increase in specific size of superstructure or foundation type. However, if during the course of the design or permitting phase, the Design-Build Team demonstrates to the Department's satisfaction that the foundation type (e.g. steel piles or drilled piers) or superstructure type (e.g. cored slab), as specified in the Structures Scope of Work will not be adequate, then the provisions of Article

SEQUENCE AND SCHEDULE RESTRICTIONS

The first priority bridge replacement shall be Bridge No. 620090.

Construction of Bridge No. 180141 shall be done during the summer months to the greatest extent practicable to minimize disruption to bus traffic.

The Design-Build Team shall adhere to the Cape Fear shiner moratorium, doing no in-water work on Bridge No. 620059 between May 1 and July 31.

Reference the Environmental Permits Scope of Work for limitations on issuance of permits for Bridge No. 750075.

The Department has initiated an Informal Section 7 Consultation for bridge site 620059. The Department will prepare the biological assessment for the Cape Fear Shiner. The US Fish and Wildlife Service will issue a Biological Opinion. The issuance of that Biological Opinion can take as long as 135 days from when they receive the Biological Assessment. It is anticipated that the Biological Assessment will be complete by the end of 2012.

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

(06-08-11)

DB1 G43

(A) Submittal of Quantities

Submit quantities on the *Fuel Usage Factor Chart and Estimate of Quantities* sheet, located in the back of this RFP, following the Itemized Proposal Sheet.

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. The quantity estimate submitted in the Price Proposal shall be the final total quantity limit for which fuel price adjustments will be made for each item, regardless of supplemental agreements. The Department will review the Estimate of Quantities to ensure its reasonableness. Agreement of quantities will be a prerequisite prior to execution of the contract.

Deleted Separate Submittal Requirement for Fuel Usage Factor Chart

(B) Base Index Price

The Design-Build Team's Estimate of Quantities will be used on the various partial payment estimates to determine fuel price adjustments. The Design-Build Team shall submit a payment request for quantities of work completed based on the work completed for that estimate period. The quantities requested for partial payment shall be reflective of the work actually accomplished for the specified period. The Design-Build Team shall certify that the quantities are reasonable for the specified period. **The base index price for DIESEL #2 FUEL is \$ 3.3509 per gallon.**

(C) Opt Out of Fuel Price Adjustment

If the Design-Build Team elects not to pursue reimbursement for Fuel Price Adjustments, a quantity of zero shall be entered for all quantities in the *Fuel Usage Factor Chart and Estimate of Quantities* and the declination box shall be checked. Failure to complete this form will mean that the Design-Build Team is declining the Fuel Price Adjustments for this project.

(D) Change Option

The proposer will not be permitted to change the option after the Price Proposal and the copy of the *Fuel Usage Factor Chart and Estimate of Quantities* sheet are submitted.

Deleted Bullet Entitled Failure to Submit**EXECUTION OF BID, NON-COLLUSION AFFIDAVIT, DEBARMENT
CERTIFICATION AND GIFT BAN CERTIFICATION**

(6-08-11)

DB1 G52

The Proposer's attention is directed to the various sheets in the Request for Proposals which are to be signed by the Proposer. A list of these sheets is shown below. The signature sheets are located behind the Itemized Proposal Sheet in this Request for Proposal. The NCDOT bid bond form is available on-line at:

http://www.ncdot.org/doh/preconstruct/altern/design_build/DesignbuildBidBond.pdf

or by contacting the Records and Documents office at 919-707-6900.

1. Applicable Signature Sheets: 1, 2, 3, 4, 5, or 6 (Bid)
2. Bid Bond dated the day of Price Proposal submission

The Proposer shall certify to the best of his knowledge all subcontractors, material suppliers and vendors utilized herein current status concerning suspension, debarment, voluntary exclusion, or

The base price index for asphalt binder for plant mix is **\$627.14** per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on March 1, 2012.

PRICE ADJUSTMENTS - ASPHALT CONCRETE PLANT MIX

(9-1-11)

DB6 R26

Revise the 2012 *Standard Specifications for Roads and Structures* as follows:

Page 6-18, Article 609-11 and Page 6-35, Article 610-14

Add the following paragraph before the first paragraph:

The “Asphalt Price” used to calculate any price adjustments set forth in this section shall be \$35 per theoretical ton. This price shall apply for all mix types.

APPROVAL OF PERSONNEL

The Department will have the right to approve or reject any personnel, assigned to a project by the Design-Build Team.

In the event of engagement of a former employee of the Department, the Design-Build Team or their subcontractors shall restrict such person or persons from working on any of the Design-Build Team's contracted projects in which the person or persons were "formerly involved" while employed by the State. The restriction period shall be for the duration of the contracted project with which the person was involved. *Former Involvement* shall be defined as active participation in any of the following activities:

- Drafting the contract
- Defining the contract scope of the contract
- Design-Build Team selection
- Negotiation of the contract cost (including calculating manhours or fees); and
- Contract administration

An exception to these terms may be granted when recommended by the Secretary and approved by the Board of Transportation.

Failure to comply with the terms stated above in this section shall be grounds for termination of this contract and / or not being considered for selection of work on future contracts for a period of one year.

SUBMITTAL OF PRICE PROPOSALS

Price Proposals that do not adhere to all the requirements noted below may be considered non-responsive and may result in the Department not considering the Design-Build Team for award of the contract or reading their Price Proposal publicly.

Price Proposals will be accepted until **4:00 p.m. Local Time on Friday, March 16, 2012**, the office of the State Contract Officer:

Mr. Randy A. Garris, P.E.
Contract Standards and Development
1020 Birch Ridge Drive
Century Center Complex - Building B
Raleigh, NC 27610

No Proposals will be accepted after the time specified.

Price Proposals shall be submitted in a sealed package. The outer wrapping will clearly indicate the following information:

- All bridges are considered subregional except Bridge No. 620073.
- For bridges replaced on existing alignment, at a minimum, the Design-Build Team shall construct full depth pavement where pavement is removed or widened beyond the end of the new bridge. In no case shall the existing pavement width be narrowed.
- For bridges on new alignment, provide full depth pavement to tie to existing and wedge/overlay a minimum of 100 feet beyond the alignment ties.
- Excluding Bridge Nos. 620059, 620096 and 750075, the length of overlay and / or wedging, as well as the paved shoulder, at each bridge site shall extend a minimum 150 feet from each end of the proposed structure (fill face).
- At Bridge No. 620059, the Design-Build Team shall raise the grade sufficiently to accommodate the 50 year storm event and provide 1000 feet of new pavement from each end of the proposed structure fill face.
- The Design-Build Team may remove and reset the existing guardrail at Bridge No. 620059 provided the guardrail is not damaged during removal or resetting.
- For bridges on new alignment, the existing approaches shall be obliterated in accordance with Section 808 of the Standard Specifications, including removal of pavement, grading to restore drainage, match surrounding conditions, and establishment of permanent vegetation. At Bridge No. 750075, retain the approach fill in the vicinity of the dam. The Design-Build Team shall maintain vehicular access to the driveway to the Conservation Easement north of the existing bridge. On the existing approach roadway at each end of the old dam, provide guardrail across the old roadbed.
- At Bridge No. 750067, the Design-Build Team may shift the bridge downstream slightly and/or rotate the alignment to better tie to the surrounding roadway, provided that the alignment ties to existing without impacting the culvert and dam located roughly 250 feet to the north of the existing structure.
- For bridges with paved shoulders, the Design-Build Team shall pave to the face of guardrail for its full length, and then taper at an 8:1 taper to the edge of pavement. For bridges without paved shoulders, the pavement shall taper from the bridge rail offset back to the pavement edge at 25:1.
- The Design-Build Team shall contact Mr. Gary W. Thompson, North Carolina Geodetic Survey Director, prior to disturbing any geodetic monuments.
- The Design-Build Team shall place concrete right of way monuments for all parcels.
- Shoulder berm gutter may be installed on compacted subgrade or on pavement.
- The grade may be adjusted as needed by the Design-Build Team to assist in the attainment of FEMA compliance. (Reference the Hydraulic Scope of Work).

- No piles battered transverse to the cap will be allowed on interior bents. The two end piles may be battered parallel to the cap.
- Use bridge drop inlets with pipes. Concrete flumes may be used if there is inadequate depth for a drop inlet.
- Design hydraulic spread cannot intrude into the travel lane.
- At Bridge No. 620096, provide 10 foot benches from the top of bank and then lay slopes back on a 2:1 slope to existing road bed.
- For the extent of Bridge No. 620059 project site, both the project approach pavement and the structure shall be designed to accommodate a 50 year storm for McClendon's Creek without overtopping and ignoring the backwater effects of Deep River.

General

- Design in accordance with criteria provided in the North Carolina Division of Highways *Sub Regional Tier Design Guidelines for Bridge Projects* dated February 2008, *Guidelines for Drainage Studies and Hydraulics Design-1999* and the addendum *Handbook of Design for Highway Drainage Studies-1973*, North Carolina Department of Transportation "Stormwater Best Management Practices Toolbox – 2008" and the North Carolina Division of Highways Hydraulics Unit website:

<http://www.ncdot.org/doh/preconstruct/highway/hydro/>

Information Supplied

- Memorandum of Agreement (MOA) between NCDOT and NC Floodplain Mapping Program approved March 2009.
- Available FEMA models.
- Pre-design Hydraulic Report for each bridge location.

STANDARD SPECIAL PROVISION**ERRATA**

(1-17-12) (Rev. 03-20-12)

Z-4

Revise the *2012 Standard Specifications* as follows:**Division 2****Page 2-7, line 31, Article 215-2 Construction Methods**, replace “Article 107-26” with “Article 107-25”.**Page 2-17, Article 226-3, Measurement and Payment, line 2**, delete “pipe culverts,”.**Page 2-20, Subarticle 230-4(B), Contractor Furnished Sources, change references as follows:** **Line 1**, replace “(4) Buffer Zone” with “(c) Buffer Zone”; **Line 12**, replace “(5) Evaluation for Potential Wetlands and Endangered Species” with “(d) Evaluation for Potential Wetlands and Endangered Species”; and **Line 33**, replace “(6) Approval” with “(4) Approval”.**Division 6****Page 6-7, line 31, Article 609-3 Field Verification of Mixture and Job Mix Formula Adjustments**, replace “30” with “45”.**Page 6-10, line 42, Subarticle 609-6(C)(2)**, replace “Subarticle 609-6(E)” with “Subarticle 609-6(D)”.**Page 6-11, Table 609-1 Control Limits**, replace “Max. Spec. Limit” for the Target Source of $P_{0.075}/P_{be}$ Ratio with “1.0”.**Division 10****Page 10-74, Table 1056-1 Geotextile Requirements**, replace “50%” for the UV Stability (Retained Strength) of Type 5 geotextiles with “70%”.**Division 12****Page 12-8, Table 1205-4 and 1205-5**, replace “THERMOPLASTIC” in the title of these tables with “POLYUREA”.**Division 15****Page 15-6, Subarticle 1510-3(B), after line 21**, replace the allowable leakage formula with the following: $W = LD \bar{P} \div 148,000$ **Page 15-6, Subarticle 1510-3(B), line 32**, delete “may be performed concurrently or” and replace with “shall be performed”.**Page 15-17, Subarticle 1540-3(E), line 27**, delete “Type 1”.**Division 17****Page 17-26, line 42, Subarticle 1731-3(D) Termination and Splicing within Interconnect Center**, delete this subarticle.

County : Chatham, Randolph, Moore, Lee

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0066	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM AVE FOUNDATION LENGTH AT IN- TERIOR BENT #2 STRUCTURE #750075	25 LF		
0067	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #180141	225 LF		
0068	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #520037	160 LF		
0069	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #620059	210 LF		
0070	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #620064	150 LF		
0071	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #620073	55 LF		
0072	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #620090	180 LF		
0073	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #620096	180 LF		
0074	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #750002	165 LF		
0075	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #750029	210 LF		
0076	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #750067	125 LF		
0077	0000930000-E	SP	GENERIC MISCELLANEOUS ITEM BRIDGE LENGTH STRUCTURE #750075	200 LF		