



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

March 25, 2010

**Addendum No. 3**

RE: Contract Number: C 202381  
TIP Number: EB-4993  
County: Johnston  
Project Description: Neuse River Greenway from Wake/Johnston County Line to Sam's Branch Creek in Johnston County

**April 20, 2010 Letting**

To Whom It May Concern:

Reference is made to the Final Request for Proposals 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:

Both pages of the Table of Contents have been revised. Please void these two pages in your RFP and staple the revised two pages of the Table of Contents thereto.

On page 5, *Execution of Bid, Non-Collusion Affidavit, Debarment Certification and Gift Ban Certification* has been revised. Please void Page No. 5 in your proposal and staple the revised Page No. 5 thereto.

On page 67, the *GREENWAY SCOPE OF WORK* has been revised. Please void Page No. 67 in your proposal and staple the revised Page No. 67 thereto.

On page 71, the *HYDRAULICS SCOPE OF WORK* has been revised. Please void Page No. 71 in your proposal and staple the revised Page No. 71 thereto.

On page 149 *Division One* – A change to *Article 103-4* has been added. Please void Page No. 149 in your proposal and staple the revised Page No. 149 thereto.

If you have any questions or need additional information, I can be reached by telephone at (919) 250-4124.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PROGRAM MANAGEMENT  
1595 MAIL SERVICE CENTER  
RALEIGH NC 27699-1595

TELEPHONE: 919-250-4234  
FAX: 919-212-5711

**WEBSITE:**  
WWW.NCDOT.GOV

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-1  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

Sincerely,



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

RAG/NMH

cc: Mr. Jon Nance, PE  
Ms. Deborah Barbour, PE  
Mr. Victor Barbour, PE (w/)  
Mr. Art McMillan, PE (w/)  
Mr. Ron Hancock, PE (w/)  
Mr. Brad Hibbs (w/3)  
Mr. Phillip Harris, PE  
Mr. Ron Davenport, PE (w/)  
Mr. Derrick Weaver, PE  
Ms. Wendi Johnson, PE (w/2)  
Mr. Chad Coggins  
File (w/)

Mr. Ricky Greene, Jr., PE  
Ms. Anne Gamber PE (Hydraulics)  
Dr. K.J. Kim PE (Geotechnical)  
Dr. Clark Morrison, PE (Pavement)  
Mr. Barney Blackburn, PE (Erosion & Sed. Cont.)  
Ms. Jessica Kuse, PE (TPMU)  
Mr. Brian Hanks, PE (Structures)  
Ms. Marsha Sample (w/)  
Ms. Teresa Bruton, PE (w/4)  
Mr. Ray McIntyre, PE  
TRC Members (w/)

**TABLE OF CONTENTS****COVER SHEET****PROPOSAL SHEETS**

<b>PROJECT SPECIAL PROVISIONS</b> (GREEN SHEETS)	<i>PAGE NO.</i>
Contract Time and Liquidated Damages .....	1
Other Liquidated Damages and Incentives .....	1
Progress Schedule .....	1
Mobilization .....	3
Submittal of Quantities, Fuel Base Index Price and Opt-Out Option .....	3
Execution of Bid, Non-Collusion Affidavit, Debarment Certification & Gift Ban Certification .....	5
Submission of Design-Build Proposal .....	5
Confidential Questions .....	6
Value Analysis .....	6
Schedule of Estimated Completion Progress .....	7
Revisions to FHWA 1273 Concerning Personal Information on Payroll Submissions ..	7
Disadvantaged Business Enterprise .....	7
Certification for Federal-Aid Contracts .....	18
Required Contract Provisions for ARRA .....	18
U. S. Department of Transportation Hotline .....	19
Subsurface Information .....	20
Cooperation Between Contractors .....	20
Bid Documentation .....	20
Twelve Month Guarantee .....	23
Outsourcing Outside the U.S.A. ....	24
SHPO Documentation for Borrow / Waste Sites .....	24
Erosion & Sediment Control / Stormwater Certification .....	25
Procedure for Monitoring Borrow Pit Discharge .....	30
Culvert Pipe .....	32
Drainage Pipe .....	33
Pipe Installation and Pipe Culverts .....	34
Price Adjustments for Asphalt Binder .....	40
Price Adjustments – Asphalt Concrete Plant Mix .....	40
Prefabricated Pedestrian Bridge .....	40
Timber Structures .....	47
<b>GENERAL</b> (GREEN SHEETS) .....	52
<b>SCOPES OF WORK</b> (GREEN SHEETS)	
Greenway .....	66
Structures .....	70

Hydraulics .....71  
 Geotechnical Engineering.....72  
 Traffic Management.....76  
 Erosion and Sedimentation Control.....82  
 Environmental Permits.....88

**STANDARD SPECIAL PROVISIONS (YELLOW SHEETS)**

Liability Insurance .....90  
 Plant and Pest Quarantines.....91  
 Contractor Claim Submittal Form .....91  
 Gifts from Vendors and Contractors.....92  
 Embankments.....92  
 Aggregate Subgrade.....93  
 Aggregate Base Course.....93  
 Asphalt Pavements – Superpave.....94  
 Asphalt Binder Content of Asphalt Plant Mixes.....108  
 Street Signs and Markers and Route Markers.....108  
 Steel U-Channel Posts.....109  
 Galvanized High Strength Bolts, Nuts and Washers .....109  
 Aggregate Production .....110  
 Portland Concrete Cement (Alkali-Silica Reaction).....110  
 Concrete Brick and Block Production .....110  
 Engineering Fabrics Table 1056-1.....111  
 Qualification of Welds and Procedures .....111  
 Paint Sampling and Testing .....111  
 Portable Concrete Barrier .....112  
 Changeable Message Signs.....112  
 On-the-Job Training.....112  
 Availability of Funds – Termination of Contracts.....115  
 NCDOT General Seed Specification for Seed Quality.....116  
 Errata.....119  
 Award of Contract.....123  
 Minority and Female Employment Requirements.....124  
 Required Contract Provisions Federal-Aid Construction Contracts.....127  
 General Decision Wages.....137  
 Division One .....141

**PROPOSAL FORMS - ITEMIZED SHEET, ETC.**

Itemized Proposal Sheet (WHITE SHEET)  
 Fuel Usage Factor Chart and Estimate of Quantities (WHITE SHEET)  
 Listing of DBE Subcontractors (YELLOW SHEET)  
 Execution of Bid, Non-Collusion Affidavit, Debarment Certification and Gift Ban  
 Certification (YELLOW SHEETS)  
 Signature Sheet (YELLOW SHEET)

**EXECUTION OF BID, NON-COLLUSION AFFIDAVIT, DEBARMENT CERTIFICATION  
AND GIFT BAN CERTIFICATION**

(12/10/09)

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](http://www.ncdot.org/doh/preconstruct/altern/design_build/DesignbuildBidBond.pdf)**

or by contacting the Records and Documents office at 919-250-4124.

1. Applicable Signature Sheets: 1, 2, 3, 4, 5, or 6 (Bid)
2. Bid Bond dated the day of Technical and 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 determination of ineligibility by any federal agency, in accordance with the "Debarment Certification" located behind the *Execution of Bid Non-Collusion Affidavit, Debarment Certification and Gift Ban Certification* signature sheets in this RFP. Execution of the bid signature sheets in conjunction with any applicable statements concerning exceptions, when such statements have been made on the "Debarment Certification", constitutes the Proposer's certification of "status" under penalty of perjury under the laws of the United States.

**SUBMISSION OF DESIGN-BUILD PROPOSAL**

09/25/09

DB1 G55A

The Proposer's attention is directed that each Proposer's Design-Build Proposal shall comply with the following requirements in order for that Design-Build Proposal to be responsive and considered for award.

1. The Proposer shall be prequalified with the Department prior to submitting a Design-Build Proposal.
2. The Proposer shall deliver the Design-Build Proposal to the place indicated, and prior to the time indicated in this Request for Proposals.
3. The Design-Build Proposal documents shall be signed by an authorized employee of the Proposer.
4. The Design-Build Proposal shall be accompanied by Bid surety in the form of a Bid bond or Bid, deposit dated the day of Technical and Price Proposal submission.
5. If Disadvantaged Business Enterprises (DBE) goals are established for this contract, the Proposer shall complete the form Listing of DBE Subcontractors contained elsewhere in this RFP in accordance with the Project Special Provision entitled Disadvantaged Business Enterprises.

- Construction access to the southern end of the project is available through an existing road for which the Town of Clayton has right of entry. The Town of Clayton also has right of entry on the State of North Carolina (NCDENR) property at the northern end of the project; however the Design-Build Team shall be responsible for obtaining right of entry through properties leading to the NCDENR property. For more details or to utilize these rights of entries during construction, coordinate with Mr. James “Skip” Browder, Town of Clayton Planning Director at (919) 553-1545. Any damage to access routes caused by entry of the Design-Build Team shall be repaired by the Design-Build Team at no cost to the Department.
- To the greatest extent practicable, the Design-Build Team shall minimize the movement of heavy equipment on the existing Greenway at Riverwood subdivision, except to the extent necessary to tie into or rehabilitate the existing Greenway. No hauling of materials shall be allowed from termini to termini on the existing Greenway. Any damage to the existing Greenway caused by the Design-Build Team shall be repaired by the Design-Build Team at no cost to the Department.
- A minimum of four sets of bollards shall be provided and installed in locations on the Greenway as directed by the Engineer. Each set shall contain two wood bollards and one hinged metal bollard as shown in the detail provided by the Department. The external surfaces of the bollard shall be painted in accordance with Section 442, System 3 of the *NCDOT Standard Specifications*, except that the color of the two topcoats shall be safety yellow. Field touch-up any damaged paint once installed. Installation of the bollards shall be in accordance with manufacturer provided instructions and drawings, and special provisions submitted by the Design-Build Team for the Department’s review. The required footing shall be as specified by the manufacturer. Only cast-in-place or precast concrete footings shall be used. The base of the bollard shall have a hole for rebar or other anchor to prevent the bollard from being removed once installed. Bollards shall be installed plumb vertically.

### **PAVEMENT DESIGN**

- The pavement design for the project shall consist of either 6.0” of ABC with prime coat and a minimum of 2.0” of SF9.5A placed in two lifts; or 8.0” of ABC with prime coat and a minimum of 2.0” of S9.5B placed in one lift.
- The rate of application and the maximum and minimum thickness per application and layer shall be in accordance with the NCDOT Roadway Design Manual.
- Driveways impacted by the Design-Build Team’s construction shall be repaired to the pre-construction condition.
- Pavement structure shall be placed on top of compacted subgrade and Type 4 engineering fabric. Use Class III Select Material over fabric for soil stabilization. The engineering fabric shall extend to the limits of the base of the Class III Select Material. In areas where the Aggregate Subgrade Standard Special Provision is utilized, only the bottom layer of fabric is required.

### **RIGHT OF WAY**

- The Town of Clayton has acquired the following in anticipation of this project:
  1. Option to Purchase Agreement, Parcel #16I03027 (Dupree Property): Option to convert the existing 20’ sewer easement to greenway use, plus a 10’ Temporary Construction Easement (TCE) was executed on August 10, 2009. The greenway shall be constructed within this existing easement to the greatest extent possible.

**HYDRAULICS SCOPE OF WORK** (3-25-10)

The Design-Build Team shall be required to do the following:

- Employ a private engineering firm to perform hydraulic design for all work required under this contract. The private engineering firm must be prequalified for Hydraulic Design work under the Hydraulic Unit's normal prequalification procedures.
- Hold a pre-design meeting with the Transportation Program Management Director and Hydraulic Review Engineer upon acceptance of the Preliminary Greenway Plans.
- Design the Storm Drainage using Geopak Drainage.
- Provide Bridge Survey Reports to allow for one foot freeboard above the base flood elevation for the Neuse River riverine model and the Marks Creek riverine model for the main span of each bridge, as requested by the Town of Clayton for FEMA submittal.
- Prepare a CLOMR package as applicable for increases to base flood elevation for any regulated streams impacted by the design for the Department's submittal to FEMA. No construction activity shall occur in FEMA regulated floodplains prior to the CLOMR approval by FEMA. The Department will be responsible for all associated fees.
- Prepare LOMR packages for any regulated CLOMRs for the Department's submittal to FEMA after the project is completed or after construction in the impacted floodplains is completed. The Department will be responsible for all associated fees.
- Provide sealed As-Built Plans after construction of structures in FEMA regulated floodplains.
- Prepare the permit drawings and impact summary sheets for submittal of the USACE Section 404 Permit and NCDWQ Section 401 applications.

**General**

- Design in accordance with criteria provided in the North Carolina Division of Highways *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/>

(7) **Discrepancy in the “Total Amount Bid” and the addition of the “Amount Bid” for each line Item**

In the case of the Total Amount Bid does not equal the summation of each Amount Bid for the line items, the summation of each Amount Bid for the line items shall be deemed to be the correct total for the entire project.

(8) **Omitted Total Amount Bid –Amount Bid Completed**

If the Total Amount Bid is not completed and the Amount Bid for all line items is completed the Total Amount Bid shall be the summation of the Amount Bid for all line items.

**Page 1-28, Subarticle 103-4(A), replace the fourth sentence with the following:**

The notice of award, if the award be made, will be issued within 75 days after the submittal of bids, except that with the consent of the lowest responsible bidder the decision to award the contract to such bidder may be delayed for as long a time as may be agreed upon by the Department and such bidder.

**Page 1-29, delete Article 103-6 and replace with the following:**

**103-6 RETURN OF BID BOND OR BID DEPOSIT**

Checks that have been furnished as a bid deposit will be retained until after the contract bonds have been furnished by the successful proposer, at which time Department of Transportation warrants in the equivalent amount of checks that were furnished as a bid deposit will be issued.

Paper bid bonds will be retained by the Department until the contract bonds are furnished by the successful proposer, after which all such bid bonds will be destroyed unless the individual bid bond form contains a note requesting that it be returned to the proposer or the Surety.

**Page 1-30, delete Article 103-9 and replace with the following:**

**103-9 FAILURE TO FURNISH CONTRACT BONDS**

The successful proposer's failure to file acceptable bonds within 14 calendar days after the notice of award is received by him shall be just cause for the forfeiture of the bid bond or bid deposit and rescinding the award of the contract. Award may then be made to the responsible proposer with the next lowest adjusted price or the work may be readvertised and constructed under contract or otherwise, as the Board of Transportation may decide.

## SECTION 104 SCOPE OF WORK

**Page 1-30, delete Article 104-1 and replace with the following:**

**104-1 INTENT OF CONTRACT**

The intent of the contract is to prescribe the work or improvements that the Design-Build Team undertakes to perform, in full compliance with the contract. In case the method or character of any part of the work is not covered by the contract, this section shall apply. The Design-Build Team shall perform all work in accordance with the contract or as may be modified by written orders, and shall do such special, additional, extra, and incidental work as may be considered necessary to complete the work to the full intent of the contract. Unless otherwise provided elsewhere in the contract, the Design-Build Team shall furnish all implements, machinery, equipment, tools, materials, supplies, transportation, and labor necessary for the design, prosecution and completion of the work.

**Page 1-31, Article 104-3, replace “plans or details of construction” with “contract” in all instances within this Article.**