



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

January 6, 2012

Addendum No. 1

RE: Contract ID C202745

WBS # 40278.3.1

F. A. # STP-2643(5)

Forsyth County (U-4909)

SR-2643 (Union Cross Road) From SR-2691 (Wallburg Road) To

SR-2632 (Sedge Garden Road)

January 17, 2012 Letting (Advertisement extended from the December 20, 2011 Letting)

To Whom It May Concern:

This project was originally scheduled for a December 20, 2011 bid opening. It has been decided to extend the advertisement and open bids on **Tuesday, January 17, 2012 at 2:00 PM.**

Reference is made to the Roadway plans furnished to you on this project.

The letting date on the Title Sheets has been revised. Please void the Title Sheets in your plans and staple the revised Title Sheets thereto.

Sheet No. 3(1 of 2) has been revised to reflect the below noted pay item deletion. Please void Sheet No. 3(1 of 2) in your plans and staple the revised Sheet No. 3 (1 of 2) thereto.

Reference is made to the Structure plans furnished to you on this project.

The following revision has been made to the Structure Plans:

The letting date on the Title Sheet has been revised. Please void the Title Sheet in your plans and staple the revised Title Sheet thereto.

Sheet Nos. W-1 thru W-4 have been revised to make some changes to retaining wall details and the retaining wall quantity. Please void Sheet Nos. W-1 thru W-4 in your plans and staple the revised Sheet Nos. W-1 thru W-4 thereto. On Sheet No. W-7 the MSE Wall Typical Section has been revised. Please void Sheet No. W-7 in your plans and staple the revised Sheet No. W-7 thereto. On Sheet No. W-8 the notes have been revised. Please void Sheet No. W-8 in your plans and staple the revised Sheet No. W-8 thereto.

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 27610

The following revisions have been made to the Proposal:

The bid opening date on the proposal cover sheet has been revised from December 20, 2011 to January 17, 2012. Please void your proposal cover sheet and staple the revised proposal cover sheet thereto.

On Page No. 1 the availability date and completion date was revised within the project special provision entitled "Contract Time and Liquidated Damages". Please void Page No. 1 in your proposal and staple the revised Page No. 1 thereto.

On Page No. 10, the base index price for diesel fuel has been updated within the project special provision entitled "Fuel Price Adjustment". Please void Page No. 10 in your proposal and staple the revised Page No. 10 thereto.

On Page No. 11 the progress percentages have been revised within the project special provision entitled "Schedule of Estimated Completion Progress". Please void Page No. 11 in your proposal and staple the revised Page No. 11 thereto.

Page Nos. 52 thru 55 have been revised to delete the project special provision entitled "Bridge Approach Fills". Please void Page Nos. 52 thru 55 in your proposal and staple the revised Page Nos. 52 thru 55 thereto.

On Page No. 75 the base price index for asphalt binder has been revised within the project special provision entitled "Price Adjustment-Asphalt Binder For Plant Mix". Please void Page No. 75 in your proposal and staple the revised Page No. 75 thereto.

On Page Nos. 148 thru 150 the project special provisions entitled "Utilities By Others" have been revised. Please void Page Nos. 148 thru 150 in your proposal and staple the revised Page Nos. 148 thru 150 thereto.

On Page No. 1 and 17 of the item sheets the following pay item has been deleted or pay item quantity revised:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0006-0029000000-N-SP	Reinforced Bridge Approach Fill, Station (158+37-L-NBL)	LUMP SUM	DELETED
299-8801000000-E-SP	MSE Retaining Walls	4,253 SF	3,512 SF

The Contractor's bid must reflect the above noted pay item deletion and pay item quantity change. The contract will be prepared accordingly.

Please delete any EBS file you previously downloaded for the December 20, 2011 letting and download the new EBS file listed for the January 17, 2012 letting. Then you will need to download and apply the EBS addendum file listed for the January 17, 2012 letting. Bid Express will not accept your bid unless the new EBS file with the addendum file applied is used.

Sincerely,



R. A. Garris, PE
Contract Officer

RAG/jag
Attachment

cc: Mr. Jon Nance, PE
Mr. Ron Hancock, PE
Mr. S.P. Ivey, PE
Ms. D. M. Barbour, PE
Mr. J. V. Barbour, PE
Ms. Marsha Sample
Ms. Penny Higgins
Project File (2)

Mr. R.E. Davenport, PE
Ms. Natalie Roskam, PE
Mr. Brad Hibbs, PE (FHWA)
Mr. G.R. Perfetti, PE
Mr. Ronnie Higgins
Mr. Larry Strickland
Ms. Jaci Kincaid
Ms. Lori Strickland

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

PROPOSAL

Revised 1-6-12

DATE AND TIME OF BID OPENING: **JANUARY 17, 2012 AT 2:00 PM**

CONTRACT ID C202745

WBS 40278.3.1

FEDERAL-AID NO. STP-2643(5)

COUNTY FORSYTH

T.I.F. NO. U-4909

MILES 4.163

ROUTE NO. SR 2643

LOCATION SR-2643 (UNION CROSS RD) FROM SR-2691 (WALLBURG RD) TO SR-2632 (SEDE GARDEN RD)

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES

NOTICE

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 3 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. NOT WITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER 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.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

PROJECT SPECIAL PROVISIONS**GENERAL****CONTRACT TIME AND LIQUIDATED DAMAGES:**

(7-20-99) (Rev. 12-18-07)

SP1 G04

The date of availability for this contract is **April 16, 2012**, except that work in jurisdictional waters and wetlands shall not begin until a meeting between the DOT, Regulatory Agencies, and the Contractor is held as stipulated in the permits contained elsewhere in this proposal. This delay in availability has been considered in determining the contract time for this project.

The completion date for this contract is **November 1, 2015**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Thousand Eight Hundred Dollars (\$2,800.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

(2-20-07)

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to the existing traffic pattern. The Contractor shall not close or narrow a lane of traffic on **Union Cross Road** during the following time restrictions:

DAY AND TIME RESTRICTIONS

Monday through Friday from 6:00 A.M. to 9:00 A.M. (all year)

and

Monday through Friday from 2:00 P.M. to 4:30 P.M.

(on a scheduled school day)

In addition, the Contractor shall not close or narrow a lane of traffic on **Union Cross Road**, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of **6:00 a.m.** December 31st and **9:00 p.m.** January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until **9:00 p.m.** the following Tuesday.

Line #	Description
50	Asphalt Concrete Intermediate Course, Type I19.0C
52	Asphalt Concrete Surface Course, Type S9.5C
290	Unclassified Excavation
296	Asphalt Concrete Base Course, Type B25.0C

SPECIALTY ITEMS:

(7-1-95)

SP1 G37

Items listed below will be the specialty items for this contract (See Article 108-6 of the 2006 Standard Specifications).

Line #	Description
88 thru 96	Guardrail
97 thru 99	Fencing
103 thru 123	Signing
143 thru 150, 156 thru 158	Long-Life Pavement Markings
164	Permanent Pavement Markers
167 thru 184, 186 thru 190	Lighting
191 thru 216	Utility Construction
217 thru 243	Erosion Control
244 thru 279	Signals/ITS System

FUEL PRICE ADJUSTMENT:

(11-15-05) (Rev 8-16-11)

SP1 G43

Revise the 2006 Standard Specifications as follows:

Page 1-93 Subarticle 109-8, add the following:

The base index price for DIESEL #2 FUEL is \$3.1173 per gallon.

Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Asphalt Concrete Base Course, Type	Gal/Ton	2.90

Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	2.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	2.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
In. Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to In. Pavement	Gal/SY	0.245

SCHEDULE OF ESTIMATED COMPLETION PROGRESS:

(7-15-08)

SP1 G58

The Contractor's attention is directed to the Standard Special Provision entitled *Availability Of Funds Termination Of Contracts* included elsewhere in this proposal. The Department of Transportation's schedule of estimated completion progress for this project as required by that Standard Special Provision is as follows:

Fiscal Year		Progress (% of Dollar Value)
2012	(7/01/11 - 6/30/12)	8% of Total Amount Bid
2013	(7/01/12 - 6/30/13)	39% of Total Amount Bid
2014	(7/01/13 - 6/30/14)	29% of Total Amount Bid
2015	(7/01/14 - 6/30/15)	19% of Total Amount Bid
2016	(7/01/15 - 6/30/16)	5% of Total Amount Bid

The Contractor shall also furnish his own progress schedule in accordance with Article 108-2 of the *2006 Standard Specifications*. Any acceleration of the progress as shown by the Contractor's progress schedule over the progress as shown above shall be subject to the approval of the Engineer.

REVISION TO FHWA-1273 CONCERNING PERSONAL INFORMATION ON PAYROLL SUBMISSIONS:

(1-20-09)

SP1G59

Revise the *Standard Special Provision FHWA-1273 Required Contract Provisions Federal-Aid Construction Contracts* as follows:

Section V, Paragraph 2b is replaced with the following:

The payroll records shall contain the name, and the last four digits of the social security number of each such employee, his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid.

310-5 PIPE END SECTIONS

Choose which material to use for the required end sections. Both corrugated steel and concrete pipe end sections will work on concrete pipe, corrugated steel pipe, and HDPE smooth lined corrugated plastic pipe.

310-6 MEASUREMENT AND PAYMENT

Pipe will be measured and paid as the actual number of linear feet of pipe that has been incorporated into the completed and accepted work. Measurement of pipe will be made by counting the number of joints used and multiplying by the length of the joint to obtain the number of linear feet of pipe installed and accepted. Measurements of partial joints will be made along the longest length of the partial joint to the nearest 0.1 foot. Select bedding and backfill material will be included in the cost of the installed pipe.

Pipe End Sections, Tees, Elbows, and Eccentric Reducers will be measured and paid as the actual number of each of these items that have been incorporated into the completed and accepted work.

Payment will be made under:

Pay Item	Pay Unit
___ " R.C. Pipe Culverts, Class _____	Linear Foot
___ " x ___ " x ___ " R.C. Pipe Tees, Class _____	Each
___ " R.C. Pipe Elbows, Class _____	Each
___ " C.A.A. Pipe Culvert, ___ " Thick	Linear Foot
___ " x ___ " x ___ " C.A.A. Pipe Tees, ___ " Thick	Each
___ " C.A.A. Pipe Elbows, ___ " Thick	Each
___ " C.S. Pipe Culverts, ___ " Thick	Linear Foot
___ " x ___ " C.S. Pipe Arch Culverts, ___ " Thick	Linear Foot
___ x ___ " x ___ " C.S. Pipe Tees, ___ " Thick	Each
___ " C.S. Pipe Elbows, ___ " Thick	Each
___ " x ___ " C.S. Eccentric Reducers, ___ " Thick	Each
___ " HDPE Pipe	Linear Foot
___ " PVC Pipe	Linear Foot
___ " Side Drain Pipe	Linear Foot
___ " Side Drain Pipe Elbows	Each
___ " Pipe End Section	Each

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FINE GRADING SUBGRADE, SHOULDERS AND DITCHES:

(7-21-09)

SP5 R01

Revise the *Standard Specifications* as follows:

Page 5-1, Article 500-1 DESCRIPTION, replace the first sentence with the following:

Perform the work covered by this section including but not limited to preparing, grading, shaping, manipulating moisture content, and compacting either an unstabilized or stabilized roadbed to a condition suitable for placement of base course, pavement, and shoulders.

AGGREGATE BASE COURSE:

(12-19-06)

SP5 R03

Revise the *2006 Standard Specifications* as follows:

Page 5-11, Article 520-5 Hauling and Placing Aggregate Base Material, 6th paragraph, replace the first sentence with the following:

Base course that is in place on November 15 shall have been covered with a subsequent layer of pavement structure or with a sand seal. Base course that has been placed between November 16 and March 15 inclusive shall be covered within 7 calendar days with a subsequent layer of pavement structure or with a sand seal.

ASPHALT PAVEMENTS - SUPERPAVE:

(7-18-06)(Rev 10-18-11)

SP6 R01

Revise the *2006 Standard Specifications* as follows:

Page 6-2, Article 600-9 Measurement and Payment, delete the second paragraph.

Page 6-12, Subarticle 609-5(C)(2), Required Sampling and Testing Frequencies, first partial paragraph at the top of the page, delete last sentence and replace with the following:

Immediately following PG 76-22 335°F, add the following paragraph:

When WMA is used, produce an asphalt mixture within the temperature range of 225°F to 275°F.

ASPHALT BINDER CONTENT OF ASPHALT PLANT MIXES:

(11-21-00) (Rev. 7-19-11)

SP6 R15

The approximate asphalt binder content of the asphalt concrete plant mixtures used on this project will be as follows:

Asphalt Concrete Base Course	Type B 25.0	4.4%
Asphalt Concrete Intermediate Course	Type I 19.0	4.8%
Asphalt Concrete Surface Course	Type S 4.75A	6.8%
Asphalt Concrete Surface Course	Type SF 9.5A	6.7%
Asphalt Concrete Surface Course	Type S 9.5	6.0%
Asphalt Concrete Surface Course	Type S 12.5	5.5%

The actual asphalt binder content will be established during construction by the Engineer within the limits established in the *2006 Standard Specifications*.

ASPHALT PLANT MIXTURES:

(7-1-95)

SP6 R20

Place asphalt concrete base course material in trench sections with asphalt pavement spreaders made for the purpose or with other equipment approved by the Engineer.

PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:

(11-21-00)

SP6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *2006 Standard Specifications*.

The base price index for asphalt binder for plant mix is **\$588.21** per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **December 1, 2011**.

FIELD OFFICE (Lump Sum):

(6-1-07)

SPI 8-1

Description

This work consists of furnishing, erecting, equipping, and maintaining a field office for the exclusive use of Department Engineers and Inspectors at a location on the project approved by the Engineer. Provide a field office that complies with the current ADA Design and Accessibility Standards, the National Electric Code, local, state, and federal regulations, and the following requirements.

PROJECT SPECIAL PROVISIONS

Utility

UTILITIES BY OTHERS

General:

The following utility companies have facilities that will be in conflict with the construction of this project.

- A) Duke Energy – Power (Distribution)
- B) Century Link – Communications
- C) North State Communications – Communications
- D) AT&T (Bellsouth) – Telephone
- E) AT&T (Long Distance) - Telephone
- F) Time Warner – CATV
- G) Piedmont Natural Gas – Gas
- H) Forsyth County Board of Education

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owner. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105-8 of the Standard Specifications.

Utilities Requiring Adjustment:

- A) Duke Energy - Power (Distribution)
 - 1) See Utilities by Others Plans.
 - 2) Duke Energy will complete all its relocations and remove the conflicting poles by June 30, 2012. AT&T (Bellsouth) and Time Warner will attach to Duke Energy's new poles.
 - 3) The contact person for Duke Energy is Ms. Paula Butner and she can be reached by phone at 336-817-4585.
- B) Century Link – Communications
 - 1) See Utilities by Others Plans.
 - 2) Century Link has existing underground and aerial facilities beginning at Glen High Road and continuing to the end of the project. After the new cables are in place and activated the existing buried cables will be abandoned and the aerial cables and poles removed. All work will be completed by June 30, 2012.

- 3) Century Link will install new cable by directional bore under the ramps and I-40. The existing aerial cable on Duke's poles will be removed once the new cable has been cut over. All work will be completed by June 30, 2012.
- 4) The contact person for Century Link is Mr. Brian McNiff and he can be reached by phone at 336-996-5999

C) North State Communications – Communications

- 1) See Utilities by Others Plans.
- 2) North State Communications has existing buried cable and conduit beginning on Sheet 4 and continuing to Sheet 6 and on Sheet 21. All buried cable and conduit will remain in place and be lowered where necessary prior to and during construction of the project. At the US 311 interchange North State Communications has buried conduit crossing US 311 and two manholes that will require lowering/adjustment during construction. This work will be performed when authorized by the Resident Engineer.
- 3) The contact person for North State Communications is Mr. Anthony Tussey and he can be reached by phone at 336-886-3740.

D) AT&T (Bellsouth) – Telephone

- 1) See Utilities by Others Plans.
- 2) AT&T (Bellsouth) has existing buried and aerial cable beginning on Sheet 4 and continuing to Sheet 12. All adjustments will be completed by June 30, 2012.
- 3) The contact person for AT&T (Bellsouth) is Mr. Butch Bunton and he can be reached by phone at 336-317-8142.

E) AT&T (Long Distance) – Telephone

- 4) See Utilities by Others Plans.
- 5) AT&T (Long Distance) has existing buried cable along Old High Point Road crossing Union Cross Road on Sheets 5, 6, and Sheet 21. The cable will be lowered in place as necessary during construction.
- 6) The contact person for AT&T (Long Distance) is Mr. Homer Rorano and he can be reached by phone at 910-638-1798.

F) Time Warner – CATV

- 1) See Utilities by Others Plans.
- 2) Time Warner has cable attached to Duke Energy's poles beginning on Sheet 4 and continuing to the end of the project. Time Warner will attach new fiber cable to Duke Energy's relocated poles throughout the project and will be completed by June 30, 2012.
- 3) The contact person for Time Warner is Mr. Mike Westgard and he can be reached by phone at 336-217-3458.

G) Piedmont Natural Gas – Gas

- 1) See Utilities by Others Plans.
- 2) Piedmont Natural Gas will lower its gas line where conflicts exist with proposed drainage prior to and during construction. Beginning on Sheet 12 and continuing to Sheet 15, Piedmont Natural Gas has a 6" steel gas main (HP) that will require adjustment just south of the I-40 interchange (Station 152+00 to 157+00). All work will be completed by June 30, 2012.
- 3) The contact person for Piedmont Natural Gas is Mr. David Jackson and he can be reached by phone at 336-726-7762.

H) Forsyth County Board of Education

- 1) The Forsyth County Board of Education has a force main sewer line along the project which has been abandoned and flushed. The Contractor is advised that this line is inactive and is not in service. The contact person for the Forsyth County Board of Education is Mr. Brent Teague and he can be reached by phone at 336-661-4972.

NOTE: All other utilities will remain in place and will be adjusted as necessary.