




STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

March 23, 2010

**NOTICE TO:** All Prospective Bidders

**FROM:** R. A. Garris, P.E.   
State Contract Officer

**SUBJECT:** Updates to the Work Zone Traffic Control Qualification and Training Program

The North Carolina Department of Transportation is in the process of implementing a Work Zone Qualification and Training Program. The program, in response to the Code of Federal Regulations (CFR) under Title 23, part 630, subpart j, states under 630.1008(d) Training: "States shall require that personnel involved in the development, design, implementation, operation, inspection, and enforcement of work zone related transportation management and traffic control be trained, appropriate to the job decisions each individual is required to make." It further states under 630.1012(e) Responsible persons: "The State and the Contractor shall each designate a trained person, as specified in 630.1008(d), at the project level who has the primary responsibility and sufficient authority for implementing the TMP (Traffic Management Plan) and other safety and mobility aspects of the project."

Based on input from NCDOT staff, Contractors, and Municipalities the program to date consists of the following requirements:

- 1) Basic Knowledge Document - Still under development  
This document should be no more than 4 or 5 pages that will be available for download from the Work Zone Traffic Control web site. This information is intended for all employees.
- 2) Flagger Training requirement - Effective 7/1/2010  
As of July 1, 2010 this program will require all flaggers to be trained to flag traffic by an approved training resource. A list of approved Flagger training courses and Flagger Trainer courses can be found on the following web site:  
<http://www.ncdot.gov/doh/preconstruct/wztc/WZTCTrainingProgram/default.html>  
No on the job training (OJT) is required. Recertification is every 4 years.
- 3) Work Zone Installer - No formal implementation date  
This training will be determined by the employee's supervisor and should address the employee who is responsible for the proper work zone set up and inspection.

4) Work Zone Supervisor - Effective 7/1/2011

Every company will be required to have at least one Work Zone Supervisor that is responsible for the proper implementation of the Traffic Management Plan and any other safety and mobility aspects of a project. They will also be responsible for making sure all employees working inside the NCDOT right of way have training, appropriate to the job decisions each individual is required to make. Currently there are two approved training sources for the Work Zone Traffic Control Supervisor requirement: 1) The Institute of Transportation Research and Education (ITRE) contact Tim Baughman, PE 919-515-8654 [tbb@unity.ncsu.edu](mailto:tbb@unity.ncsu.edu) or 2) The American Traffic Safety Services Association (ATSSA) contact Donna Clark 540-368-1701 [donnac@atssa.com](mailto:donnac@atssa.com). Additional training resources may be approved as the program progresses. Recertification requirements to be determined.

5) Work Zone Traffic Control Design Training - Effective date to be determined

This training requirement is for anyone responsible for designing Traffic Management Plans over and above the use of typical drawings in the MUTCD.

We will continue to work with our industry partners through our Work Zone Qualification and Training Committee meetings and address all the issues that remain in the coming year. Additional information can be found on our web site at:

<http://www.ncdot.org/doh/preconstruct/wztc/WZTCTrainingProgram/default.html>

If you have questions or want to find out how you can be involved with this committee, contact Stuart Bourne at (919) 250-4159 or [sbourne@ncdot.gov](mailto:sbourne@ncdot.gov)




STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

March 23, 2010

Notice To: Prospective Bidders, Material Suppliers, and Subcontractors

From: R.A. Garris, P.E.   
State Contract Officer

Subject: ***2006 Metric Standard Specifications for Roads and Structures  
and 2006 Metric Roadway Standard Drawings***

In 1999, the North Carolina Department of Transportation elected to return to the English measurement system when developing project plans as a result of the elimination of the FHWA metric requirement in the 1998 TEA 21 legislation. However, design efforts had already begun on approximately sixty projects utilizing the metric measurement system. Of those, some remained metric and were let under the 2002 Specifications and Standards, and some were re-engineered (converted) to English plans. Currently, there are fourteen projects that will be designed, let and constructed utilizing the 2006 Metric Specifications and Standards. See attached list for project information and tentative let dates.

The Metric Specifications Book is a mirror image of the 2006 (English) Specifications Book, except for the conversion to metric units and dimensions. The 2006 Metric Standard Drawings is a mirror image of the 2006 (English) Standard Drawings, except that Standards 840.25 and 700.01 have been updated to match Details 840D25 and 700D01. The Specifications and Standards are available in .pdf on the Projects Services Website at: <http://www.ncdot.org/doh/preconstruct/ps/contracts/default.html>

The 2006 Metric Specifications and Standards are being printed within the Department and are available for purchase. Due to the small number of metric projects to be let over the next several years, a limited number will be printed. Therefore we ask that you review the attached list of projects and not order immediately if projects of interest to you are further out in the future. This will allow us to manage the printing demands much more efficiently. The 2006 Metric Standard Specifications for Roads and Structures and the 2006 Metric Roadway Standard Drawings are \$25.00 each plus 6.75% North Carolina sales tax. To request a copy, please contact Rick Montanez at 919-250-4014, or place your order electronically at the following Website:

<http://www.ncdot.org/doh/preconstruct/altern/value/manuals/puborder.html>

If you have any questions, I can be reached at (919) 250-4128.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACTS & PROPOSALS  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4124  
FAX: 919-250-4127

WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

**LOCATION:**  
CENTURY CENTER COMPLEX  
BUILDING B - ENTRANCE B 15  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

UPDATED March 19, 2010

<b>TIP#</b>	<b>DIVISION</b>	<b>COUNTY</b>	<b>DESCRIPTION</b>	<b>TENTATIVE LET DATE</b>
R-2824	13	BURKE	SR 1546 FROM SR 1545 TO SR 1001	JUNE 15, 2010
R-2414B	1	CAMDEN	US 158/NC 34 FROM NORTH OF SR 1257 TO EAST OF NC 34 IN BELCROSS	DECEMBER 21, 2010
R-2519A	13	YANCEY	US 19 EAST FROM SR 1336 TO NC 80	MAY 17, 2011
R-2413C	7	GUILFORD ROCKINGHAM	NC 68 CONNECTOR -US 220 FROM THE HAW RIVER TO EXISTING NC 68/US 220 INTERSECTION	JANUARY 17, 2012




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February 15, 2010

NOTICE TO: Prime Contractors  
FROM: R.A. Garris PE   
Contract Officer  
SUBJECT: Revised Non-Collusion Affidavit/Execution of Contract/Payment  
Performance Bond

Effective with the February 16, 2010 Highway Letting, contractors who are awarded projects must use the revised (1) *Non-Collusion Affidavit, Execution of Contract, and Gift Ban Certification*, (2) *Payment Bonds* and (3) *Performance Bonds*, dated 2-1-10. Contract forms that do not have this date will be returned to the contractor and must be replaced with the correct contract forms.

These forms may be retrieved from the project letting website:  
<http://www.ncdot.gov/doh/preconstruct/ps/contracts/letting.html#0>.

If you have any questions regarding these updated contract forms, please e-mail Betty Rawls at [brawls@ncdot.gov](mailto:brawls@ncdot.gov) or Ronnie Higgins at [rlhiggins@ncdot.gov](mailto:rlhiggins@ncdot.gov).

RAG/rlh

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128  
FAX: 919-250-4119  
WEBSITE: [www.NCDOT.ORG](http://www.NCDOT.ORG)

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610



STATE OF NORTH CAROLINA  
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November 17, 2009

Notice To: Prospective Bidders and Materials Suppliers

From: R. A. Garris, PE *RA Garris*  
State Contract Officer

Subject: Revised Drainage Pipe Standard Details and Pipe Alternates/Drainage  
Summary Revisions

**Beginning with the October 2009 letting**, the standard installation details for drainage pipe are revised and will be included in the two series sheets within the plans. In addition, Section 300 of the 2006 Standard Specifications has been revised and is included in the proposals as a project special provision. The major revisions are summarized as follows:

- Method A and Method B installation types are no longer referenced.
- There are separate details for flexible and rigid pipes.
- No direct payment will be made for select backfill and bedding material and it is considered incidental to the pipe.
- Line item payment is provided for foundation conditioning material and foundation conditioning fabric when required.
- For Reinforced Concrete Pipes, which require fill heights greater than 40', there is a special provision titled "Reinforced Concrete Pipe Design." This provision requires the contractor to submit a site specific pipe design for review and approval.

**Beginning with the January 2010 letting**, in addition to the revised drainage pipe installation details, a new Project Special Provision to expand the use of alternate drainage pipe materials was developed. This provision titled "Drainage Pipe" will be included in designated projects. Sections 310 and 1032 of the Standard Specifications have been modified to reflect the new requirements for Drainage Pipe selection. The revisions are summarized below:

- Modifications to the Drainage Summary and Estimate Plan Sheets have been made and the summary will have columns for \_\_\_" Drainage Pipe and/or \_\_\_" Side Drain Pipe.
- The associated pay items will also be designated \_\_\_" Drainage Pipe and \_\_\_" Side Drain Pipe. The use of the "Drainage Pipe" item will be limited to Regional and Sub-Regional tier facilities as determined by NCDOT. Statewide Tier facilities will not use the "Drainage Pipe" item, but will use the "Side Drain Pipe" pay item as defined in the revised Article 310-4 of the Specifications. Where allowed by the plans and contract document, contractors will be allowed to bid these items without specifying the material type at bid time. This will eliminate the need for multiple alternate bid items.

If you have questions regarding this revision please contact Joel Howerton at 919-250-4128 or [jhowerton@ncdot.gov](mailto:jhowerton@ncdot.gov).

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**LOCATION:**  
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STATE OF NORTH CAROLINA  
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SECRETARY

September 22, 2009

Notice To: Prospective Bidders and Material Suppliers

From: R.A. Garris, PE   
State Contract Officer

Subject: Counting of Material Costs for Meeting DBE, MBE or WBE Advertised Goals

The Department has received many questions regarding the use of DBE, MBE or WBE firms in a supplier role to count as participation on a contract to meet the advertised goal(s). Typically, DBEs, MBEs and WBEs do not act as suppliers on a contract. There are exceptions however, when a bidder can count expenditures with DBEs, MBEs or WBEs for materials or supplies toward advertised goals as provided by the following:

- 1) If the materials or supplies are obtained from a DBE, MBE or WBE manufacturer, 100 percent of the cost of the materials or supplies counts toward the advertised goal(s).

For purposes of clarification, a "manufacturer" is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.

- 2) If the materials or supplies are purchased from a DBE, MBE or WBE regular dealer, 60 percent of the cost of the materials or supplies counts toward the advertised goal(s).

For purposes of clarification, a "regular dealer" is a firm that own, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are being bought, kept in stock, and regularly sold or leased to the public in the usual course of business.

In addition, to be a regular dealer, the firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.

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RALEIGH NC

A person may be regular dealer in such bulk items as petroleum products, steel, cement, gravel, stone, or asphalt without owning, operating, or maintaining a place of business if the person both owns and operates distribution equipment for the products. Any supplementing of regular dealers' own distribution equipment shall be by a long-term lease agreement and not on an ad hoc or contract-by-contract basis.

Packagers, brokers, manufacturers' representatives, or other persons who arrange or expedite transactions are not regular dealers.

- 3) With respect to materials or supplies purchased from a DBE, MBE or WBE which is neither a manufacturer nor a regular dealer, the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site, can be counted toward the advertised goal(s), provided that it is determined by the Department that the fees are reasonable and not excessive as compared with fees customarily allowed for similar services. Any portion of the cost of the materials and supplies themselves will not count toward the advertised goal(s).

If you have any questions, contact Mr. Michael McKoy ([mmkoy@ncdot.gov](mailto:mmkoy@ncdot.gov)) or Terry Canales ([tcanales@ncdot.gov](mailto:tcanales@ncdot.gov)) at 919-733-7174.



**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
INVITATION TO BID**

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON APRIL 20, 2010. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

1. THE BIDDER SHALL PURCHASE A PROPOSAL FOR EACH PROJECT FOR WHICH HE INTENDS TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID.
2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.
3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE  
<http://www.ncdot.gov/doh/preconstruct/ps/contracts/letting/debar/debar1.html>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE ADDRESSED TO THE STATE CONTRACT OFFICER AT 919-250-4124.

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

**CONTRACTOR'S LICENSE:** A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

**PREQUALIFYING TO BID:** ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE CONTRACTUAL SERVICES UNIT, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES UNIT AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY INSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-250-4124), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 7.75% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "N.C. DEPARTMENT OF TRANSPORTATION".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS MARCH 23,2010.  
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION  
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 16Oct2009)

## **REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE**

IN ORDER TO FACILITATE AND ENCOURAGE THE INVOLVEMENT OF MINORITY BUSINESS ENTERPRISES IN THE HIGHWAY CONSTRUCTION PROCESS, IT IS THE POLICY OF THE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, THAT A SET OF PLANS AND PROPOSAL FOR EACH PROJECT TO BE LET WILL BE MAINTAINED FOR REVIEW BY ANY CONTRACTOR INTERESTED IN BIDDING UPON OR QUOTING WORK IN AN ADVERTISED PROJECT.

THE PROPOSALS AND PLANS WILL BE AVAILABLE FOR REVIEW BEGINNING TWO WEEKS PRIOR TO THE DATE OF BID OPENING IN THE DIVISION OFFICE WHICH WILL ADMINISTER THE CONTRACT. THE DEPARTMENT WILL, UPON REQUEST, MAKE AVAILABLE FROM ITS STAFF A PERSON TO EXPLAIN THE PROPOSED PROJECT AND TO ANSWER GENERAL QUESTIONS RELATING TO THE PROJECT. THE PLANS AND PROPOSALS CAN BE REVIEWED ANY TIME MONDAY THRU FRIDAY, EXCLUDING HOLIDAYS, BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M. IN THE DIVISION OFFICE. IN ORDER TO HAVE A MEMBER OF THE STAFF EXPLAIN THE PROJECT AND/OR ANSWER GENERAL QUESTIONS PERTAINING TO THE PROJECT, PRIOR APPOINTMENTS MUST BE MADE BY CALLING THE APPROPRIATE DIVISION OFFICE.

FOLLOWING ARE THE LOCATIONS AND TELEPHONE NUMBERS OF THE OFFICES IN WHICH THE PLANS AND PROPOSALS WILL BE MADE AVAILABLE, REFERENCE SHOULD BE MADE TO THE SHEETS CONTAINING THE INDIVIDUAL PROJECT QUANTITIES TO DETERMINE WHICH DIVISION OFFICE WILL ADMINISTER THE CONTRACT.

<b><u>DIV NO.</u></b>	<b><u>DIVISION ENGINEER</u></b>	<b><u>LOCATION</u></b>	<b><u>TOWN</u></b>	<b><u>TELEPHONE</u></b>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 830-3490
00003	H. Allen Pope, PE	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Richard E Greene, Jr., PE	PO BOX 3165	WILSON	(252) 237-6164
00005	J. Wally Bowman, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Gregory W Burns, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 334-3192
00008	Tim Johnson, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 703-6500
00010	Barry S Moose, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 667-9111
00012	Michael L Holder, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

===== SUMMARY OF PROPOSALS =====

**Bid Letting Number** L100420

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C202375	33581.3.1	PITT	0.171 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
002	C201370	33560.3.1	ONslow	0.488 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
003	C202389	40240.3.1 ETC.	ONslow	16.250 MI	WIDENING, DRAINAGE, PVMT RECLAMATION, RESURF & SHLDR RECONST
004	C202469	33770.3.1	JOHNSTON	0.102 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
005	C202086	34994.3.2	CUMBERLAND	1.283 MI	WIDENING, GRADING, DRAINAGE, PAVING, RET WALLS, AND CULVERT.
006	C202471	33782.3.1 ETC.	MECKLENBURG	0.594 MI	GRADING, DRAINAGE, PAVING, SIGNAL & STRUCTURE.
007	C202572	10CR.10901.21 ET	UNION	6.960 MI	WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTR.
008	C202239	34369.3.5	ASHE	2.454 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
009	C202378	33741.3.1	GASTON	0.167 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.
010	C202546	37733.3.1	IREDELL, DAVIE	21.100 MI	MILLING, RESURFACING, RUMBLE STRIPS, & GROOVING CONC PVMT.
011	C202571	12CR.10363.1	GASTON	3.170 MI	MILLING, RESURFACING & MILLED RUMBLE STRIPS.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L100420 001

CONTRACT ID : C202375 33581.3.1

DIV OFFICE GREENVILLE

LENGTH = 0.171 MI

COUNTY : PITT

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : NOV 15 2010

BRIDGE OVER HARDEE CREEK AND APPROACHES ON SR-1726 (PORTERTOWN RD) IN GREENVILLE.

ROADWAY ITEMS

				2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
				700	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	MOBILIZATION		1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
Lump Sum	LS	CONSTRUCTION SURVEYING		507	SF	WORK ZONE SIGNS (STATIONARY)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+80.50)		144	SF	WORK ZONE SIGNS (PORTABLE)
				119	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
Lump Sum	LS	GRADING		50	EA	DRUMS
	1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	80	EA	CONES
	400	CY	UNDERCUT EXCAVATION	144	LF	BARRICADES (TYPE III)
	300	SY	FABRIC FOR SOIL STABILIZATION	1,032	HR	FLAGGER
	300	CY	GENERIC GRADING ITEM	5,062	LF	PAINT PAVEMENT MARKING LINES (4")
			SELECT GRANULAR MATERIAL			
1,500	TON		SELECT MATERIAL, CLASS IV	12	EA	PAINT PAVEMENT MARKING SYMBOL
740	SY		FOUNDATION CONDITIONING FABRIC	11	EA	PERMANENT RAISED PAVEMENT MARKERS
230	TON		GENERIC DRAINAGE ITEM	1,002	LF	4" WATER LINE
			FOUNDATION CONDITIONING MATERIAL, MINOR STRS	5	EA	4" VALVE
832	LF		15" DRAINAGE PIPE	2	EA	RELOCATE WATER METER
376	LF		18" DRAINAGE PIPE	1	EA	RELOCATE FIRE HYDRANT
612	LF		PIPE REMOVAL	20	LF	8" SANITARY GRAVITY SEWER
200	TON		INCIDENTAL STONE BASE	1	EA	4' DIA UTILITY MANHOLE
3.7	SMI		SHOULDER RECONSTRUCTION	2	LF	UTILITY MANHOLE WALL, 4' DIA
680	SY		MILLING ASPHALT PAVEMENT, *** TO ***** DEPTH (0" TO 1-1/2")	660	LF	ABANDON 8" UTILITY PIPE
			ASPHALT CONC BASE COURSE, TYPE B25.0B	1	EA	REMOVE UTILITY MANHOLE
450	TON		ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	152	LF	TRENCHLESS INSTALLATION OF 8" IN SOIL
390	TON		ASPHALT CONC SURFACE COURSE, TYPE S9.5B	152	LF	TRENCHLESS INSTALLATION OF 8" NOT IN SOIL
2,680	TON		ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	2,000	LF	TEMPORARY SILT FENCE
199	TON		ASPHALT PLANT MIX, PAVEMENT REPAIR	425	TON	STONE FOR EROSION CONTROL, CLASS A
45	TON		SUBDRAIN EXCAVATION	160	TON	STONE FOR EROSION CONTROL, CLASS B
25	CY		SUBDRAIN FINE AGGREGATE	275	TON	SEDIMENT CONTROL STONE
20	CY		6" PERFORATED SUBDRAIN PIPE	4.5	ACR	TEMPORARY MULCHING
100	LF		6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	150	LB	SEED FOR TEMPORARY SEEDING
3	EA		CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
1	EA		6" OUTLET PIPE (SUBDRAINS)	200	LF	TEMPORARY SLOPE DRAINS
6	LF		MASONRY DRAINAGE STRUCTURES	4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
15	EA		FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	2,050	LF	SAFETY FENCE
1	EA		FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	200	CY	SILT EXCAVATION
4	EA		FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	1,700	SY	MATTING FOR EROSION CONTROL
5	EA		FRAME WITH COVER, STD 840.54	500	SY	PERMANENT SOIL REINFORCEMENT MAT
3	EA		GENERIC DRAINAGE ITEM	1,150	LF	1/4" HARDWARE CLOTH
2	EA		BICYCLE SAFE STEEL GRATE & FRAME	300	LF	WATTLE
1,050	LF		2'-6" CONCRETE CURB & GUTTER	85	LB	POLYACRYLAMIDE (PAM)
40	SY		4" CONCRETE SIDEWALK	6	ACR	SEEDING & MULCHING
4	EA		CONCRETE WHEELCHAIR RAMPS	2.5	ACR	MOWING
100	SY		6" CONCRETE DRIVEWAY	50	LB	SEED FOR REPAIR SEEDING
1	EA		ADJUSTMENT OF CATCH BASINS	0.25	TON	FERTILIZER FOR REPAIR SEEDING
1	EA		ADJUSTMENT OF MANHOLES	75	LB	SEED FOR SUPPLEMENTAL SEEDING
11	EA		ADJUSTMENT OF METER BOXES OR VALVE BOXES	2.25	TON	FERTILIZER TOPDRESSING
275	LF		STEEL BM GUARDRAIL	10	MHR	SPECIALIZED HAND MOWING
50	LF		STEEL BM GUARDRAIL, SHOP CURVED	12	EA	RESPONSE FOR EROSION CONTROL
10	EA		ADDITIONAL GUARDRAIL POSTS	0.15	ACR	REFORESTATION
1	EA		GUARDRAIL ANCHOR UNITS, TYPE ***** (TL-2)			
1	EA		GUARDRAIL ANCHOR UNITS, TYPE AT-1			
4	EA		GUARDRAIL ANCHOR UNITS, TYPE III			
				Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (20+80.50-L-)
				Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (20+80.50-L-)
				63.5	CY	CLASS AA CONCRETE (BRIDGE)
				85.3	CY	CLASS A CONCRETE (BRIDGE)
				Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20+80.50-L-)

STRUCTURE ITEMS

15,086	LB	REINFORCING STEEL (BRIDGE)
1,475	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
920	LF	HP12X53 STEEL PILES
920	LF	HP14X73 GALVANIZED STEEL PILES
16	EA	PILE REDRIVES
250.5	LF	THREE BAR METAL RAIL
201	TON	RIP RAP CLASS II (2'-0" THICK)
222	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
2,650	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L100420 002

CONTRACT ID : C201370 33560.3.1

DIV OFFICE WILMINGTON

LENGTH = 0.488 MI

COUNTY : ONSLOW

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE : MAY 01 2013

BRIDGE OVER NEW RIVER AND APPROACHES ON US-17 (MARINE BLVD) IN JACKSONVILLE.

ROADWAY ITEMS					
			2,420	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			80	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
Lump Sum	LS	MOBILIZATION	260	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
Lump Sum	LS	CONSTRUCTION SURVEYING	150	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
15	DAY	GENERIC MISCELLANEOUS ITEM CONTAMINATED WATER STORAGE VESSEL DAILY RENTAL	53	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+15)	23	CY	SUBDRAIN EXCAVATION
6,700	CY	UNDERCUT EXCAVATION	17	CY	SUBDRAIN FINE AGGREGATE
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	100	LF	6" PERFORATED SUBDRAIN PIPE
Lump Sum	LS	GRADING	3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
8,500	CY	BORROW EXCAVATION	1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
2	EA	EMBANKMENT SETTLEMENT GAUGES	6	LF	6" OUTLET PIPE (SUBDRAINS)
1,100	SY	FABRIC FOR SOIL STABILIZATION	1.5	CY	PIPE COLLARS
1,110	SF	TEMPORARY SHORING	0.2	CY	PIPE PLUGS
380	CY	GENERIC GRADING ITEM ENGINEERED SOIL MIX	3	CY	FLOWABLE FILL
4,100	CY	GENERIC GRADING ITEM SELECT GRANULAR MATERIAL	39	EA	MASONRY DRAINAGE STRUCTURES
1,000	TON	GENERIC GRADING ITEM EXCAVATION AND STOCKPILING CONTAMINATED SOIL	60	LF	MASONRY DRAINAGE STRUCTURES
920	SY	FOUNDATION CONDITIONING FABRIC	8	EA	FRAME WITH TWO GRATES, STD 840.16
400	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATERIAL, MINOR STRS	2	EA	FRAME WITH TWO GRATES, STD 840.29
420	CY	GENERIC DRAINAGE ITEM CLAY CORE	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
65	CY	GENERIC DRAINAGE ITEM SAND	9	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
250	CY	GENERIC DRAINAGE ITEM SHELL MATERIALS	11	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
92	LF	12" DRAINAGE PIPE	6	EA	FRAME WITH COVER, STD 840.54
204	LF	15" DRAINAGE PIPE	1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
56	LF	18" DRAINAGE PIPE	1	EA	*** SLUICE GATE (8")
32	LF	24" DRAINAGE PIPE	2	EA	GENERIC DRAINAGE ITEM RETICULINE FRAME AND GRATE
2	EA	*** DRAINAGE PIPE ELBOWS (12")	1,050	LF	***X*** CONCRETE CURB (8" X 18")
12	LF	*** RC PIPE CULVERTS, CLASS ***** (12", III)	3,420	LF	2'-6" CONCRETE CURB & GUTTER
188	LF	*** RC PIPE CULVERTS, CLASS ***** (12", IV)	1,470	SY	4" CONCRETE SIDEWALK
124	LF	*** RC PIPE CULVERTS, CLASS ***** (15", III)	6	EA	CONCRETE WHEELCHAIR RAMPS
76	LF	*** RC PIPE CULVERTS, CLASS ***** (18", III)	750	SY	6" CONCRETE DRIVEWAY
1,496	LF	15" RC PIPE CULVERTS, CLASS IV	100	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
456	LF	24" RC PIPE CULVERTS, CLASS IV	2	EA	ADJUSTMENT OF CATCH BASINS
100	LF	*** HDPE PIPE CULVERTS (6")	1	EA	ADJUSTMENT OF DROP INLETS
160	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE ** IN SOIL (18", 0.500", B)	462.5	LF	STEEL BM GUARDRAIL
259	LF	GENERIC PIPE ITEM 6" HDPE PIPE CULVERTS, PERFORATED	5	EA	ADDITIONAL GUARDRAIL POSTS
8	EA	GENERIC PIPE ITEM 6" HDPE CAPS	2	EA	GUARDRAIL ANCHOR UNITS, TYPE III
24	EA	GENERIC PIPE ITEM 6" HDPE WYES, TEES & ELBOWS	2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
186	LF	PIPE REMOVAL	564	LF	CHAIN LINK FENCE, 48" FABRIC
1	EA	PIPE CLEAN-OUT	48	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
320	TON	#57 STONE	7	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
500	TON	INCIDENTAL STONE BASE	2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (48")
2,250	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")	1	EA	DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (48", 15', 30')
220	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	7	TON	RIP RAP, CLASS I
2,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	86	TON	RIP RAP, CLASS B
2,690	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	833	SY	FILTER FABRIC FOR DRAINAGE
			408	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			2	EA	SIGN ERECTION, TYPE D
			13	EA	SIGN ERECTION, TYPE E
			4	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)

			20	SY	COIR FIBER MAT
			1,800	LF	1/4" HARDWARE CLOTH
			6,000	SY	FLOATING TURBIDITY CURTAIN
8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	550	LF	COIR FIBER BAFFLES
4	EA	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA	*** SKIMMER (1-1/2")
312	SF	WORK ZONE SIGNS (STATIONARY)	1	EA	*** SKIMMER (2")
96	SF	WORK ZONE SIGNS (PORTABLE)	6	ACR	SEEDING & MULCHING
26	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	3	ACR	MOWING
3	EA	FLASHING ARROW PANELS, TYPE C	50	LB	SEED FOR REPAIR SEEDING
12	EA	CHANGEABLE MESSAGE SIGN	0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	EA	DRUMS	75	LB	SEED FOR SUPPLEMENTAL SEEDING
34	EA	CONES	2,545	SY	SODDING
24	LF	BARRICADES (TYPE III)	2.25	TON	FERTILIZER TOPDRESSING
480	HR	FLAGGER	30	MHR	SPECIALIZED HAND MOWING
2	EA	TEMPORARY CRASH CUSHIONS	12	EA	RESPONSE FOR EROSION CONTROL
2	EA	RESET TEMPORARY CRASH CUSHIONS	75	CY	GENERIC EROSION CONTROL ITEM 12 MONTH AGED HARDWOOD MULCH
2	EA	TMIA			
855	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	3	EA	ACER SACCHARUM, SUGAR MAPLE, 6'-8', MIN 3/4" CAL, B&B OR CONT
521	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)	86	EA	GENERIC PLANTING ITEM ANDROPOGON GLOMERATUS, BUSHY BLUESTEM, 2-1/4" SQ POT, TRAY OF 32
765	LF	RESET PORTABLE CONCRETE BARRIER (ANCHORED)	107	EA	GENERIC PLANTING ITEM ASCLEPIAS TUBEROSA, BUTTERFLY WEED 4" POT OR QT CONT-DEEP
375	LF	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)	70	EA	GENERIC PLANTING ITEM BOLTONIA ASTEROIDES, FALSE ASTER 4" POT OR QT CONT-DEEP
200	HR	LAW ENFORCEMENT	185	EA	GENERIC PLANTING ITEM ECHINACEA PURPUREA, PURPLE CONEFLOWER, 4" POT OR QT CONT-DEEP
40	EA	TEMPORARY RAISED PAVEMENT MARKERS	51	EA	GENERIC PLANTING ITEM JUNCUS EFFUSUS, SOFT RUSH 2-1/4" SQ POT, TRAY OF 32
27	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	107	EA	GENERIC PLANTING ITEM MONARDA DIDYMA, BEE-BALM 4" POT OR QT CONT -DEEP
3,920	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	24	EA	GENERIC PLANTING ITEM PANICUM VIRGATUM 'CLOUD NINE', SWITCHGRASS, 3-1/2" - 4" POT, TRAY OF 18
27,600	LF	PAINT PAVEMENT MARKING LINES (4")	66	EA	GENERIC PLANTING ITEM SPARTINA BAKERI, CORD GRASS 2-1/4" SQ POT, TRAY OF 32
10,175	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (STANDARD GLASS BEADS)	770	CY	MULCH FOR PLANTING
850	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (STANDARD GLASS BEADS)	2	M/G	WATER FOR PLANTING
20	LF	POLYUREA PAVEMENT MARKING LINES (24", *****) (STANDARD GLASS BEADS)	770	SY	PREEMERGENT HERBICIDAL TREATMENT FOR PLANT BEDS
1,500	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	1,610	SY	GENERIC PLANTING ITEM GEOTEXTILE FABRIC
100	EA	PERMANENT RAISED PAVEMENT MARKERS	750	SY	GENERIC PLANTING ITEM POLYPROPYLENE WOVEN MONOFILAMENT GEOTEXTILE FABRIC
125	EA	SNOWPLOWABLE PAVEMENT MARKERS	485	LF	UNPAVED TRENCHING (*****)(1, 2")
475	LF	6" WATER LINE	46	LF	DIRECTIONAL DRILL (*****)(1, 2")
415	LF	8" WATER LINE	5	EA	JUNCTION BOX (STANDARD SIZE)
314	LF	12" WATER LINE	410	LF	INDUCTIVE LOOP SAWCUT
1	EA	6" VALVE	2,540	LF	LEAD-IN CABLE (*****)(14-2)
1	EA	8" VALVE			
1	EA	12" VALVE			
4	EA	RELOCATE WATER METER			
1	EA	RECONNECT WATER METER			
4	EA	RELOCATE FIRE HYDRANT			
630	LF	8" SANITARY GRAVITY SEWER			
354	LF	10" SANITARY GRAVITY SEWER			
6	EA	4' DIA UTILITY MANHOLE			
22	LF	UTILITY MANHOLE WALL, 4' DIA			
790	LF	ABANDON 8" UTILITY PIPE			
3	EA	ABANDON UTILITY MANHOLE			
3	EA	REMOVE UTILITY MANHOLE			
88	LF	16" ENCASEMENT PIPE			
78	LF	24" ENCASEMENT PIPE			
51	LF	TRENCHLESS INSTALLATION OF 8" IN SOIL			
51	LF	TRENCHLESS INSTALLATION OF 8" NOT IN SOIL			
46	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL			
46	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL			
1,800	LF	TEMPORARY SILT FENCE			
340	TON	STONE FOR EROSION CONTROL, CLASS A	3,700	SF	GENERIC RETAINING WALL ITEM BRACED SHEET PILE RETAINING WALL (27+08.47-L-)
155	TON	STONE FOR EROSION CONTROL, CLASS B			
420	TON	SEDIMENT CONTROL STONE			
4	ACR	TEMPORARY MULCHING			
100	LB	SEED FOR TEMPORARY SEEDING			
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS			
1,000	LF	SAFETY FENCE			
700	CY	SILT EXCAVATION			
2,000	SY	MATTING FOR EROSION CONTROL			

**WALL ITEMS**

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (23+15.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (23+15.00-L-)
2	EA	PDA TESTING
2	EA	PDA ASSISTANCE
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (23+15.00-L-)
77,451	SF	REINFORCED CONCRETE DECK SLAB
66,969	SF	GROOVING BRIDGE FLOORS



492.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+15.00-L-)
89,986	LB	REINFORCING STEEL (BRIDGE)
9,888	LF	54" PRESTRESSED CONCRETE GIR- DERS
2,760	LF	16" PRESTRESSED CONC PILES
10,540	LF	24" PRESTRESSED CONC PILES
50	EA	PILE REDRIVES
810	TON	RIP RAP CLASS II (2'-0" THICK)
900	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (23+15.00-L-)
1,659.67	LF	GENERIC STRUCTURE ITEM CLASSIC CONCRETE BRIDGE RAIL
1,664	LF	GENERIC STRUCTURE ITEM MESSENGER CABLE SYSTEM

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L100420 003

CONTRACT ID : C202389 40240.3.1

DIV OFFICE WILMINGTON

LENGTH = 16.250 MI

COUNTY : ONSLOW

WIDENING, DRAINAGE, PVMT RECLAMATION, RESURF &amp; SHLDR RECONST

DBE GOAL 5.0% COMPLETION DATE : NOV 05 2011

SECTIONS OF SR-1324, NC-111, SR-1403 &amp; SR-1509.

ROADWAY ITEMS					
			137	LF	PAINT PAVEMENT MARKING LINES (24")
			12	EA	PAINT PAVEMENT MARKING CHARACTER
			18	EA	PAINT PAVEMENT MARKING SYMBOL
			41,817	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PROFILED PAVEMENT MARKING LINES
			1,789	EA	PERMANENT RAISED PAVEMENT MARKERS
			389	EA	SNOWFLOWABLE PAVEMENT MARKERS
			Lump Sum	LS	PORTABLE LIGHTING
			4,911	LF	TEMPORARY SILT FENCE
			56	TON	STONE FOR EROSION CONTROL, CLASS A
			254	TON	STONE FOR EROSION CONTROL, CLASS B
			232	TON	SEDIMENT CONTROL STONE
			6.41	ACR	TEMPORARY MULCHING
			321	LB	SEED FOR TEMPORARY SEEDING
			1.6	TON	FERTILIZER FOR TEMPORARY SEEDING
			25	CY	SILT EXCAVATION
			430	SY	MATTING FOR EROSION CONTROL
			40	SY	PERMANENT SOIL REINFORCEMENT MAT
			381	LF	1/4" HARDWARE CLOTH
			100	LF	WATTLE
			5	LB	POLYACRYLAMIDE (PAM)
			19.96	ACR	SEEDING & MULCHING
Lump Sum	LS	MOBILIZATION			
1,807	CY	BORROW EXCAVATION			
1.58	SMI	GENERIC GRADING ITEM GRADING PER SHOULDER MILE			
681	SY	FOUNDATION CONDITIONING FABRIC			
216	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
128	LF	15" DRAINAGE PIPE			
460	LF	18" DRAINAGE PIPE			
468	LF	24" DRAINAGE PIPE			
100	LF	15" RC PIPE CULVERTS, CLASS IV			
464	LF	18" RC PIPE CULVERTS, CLASS IV			
350	LF	36" RC PIPE CULVERTS, CLASS IV			
72	LF	GENERIC PIPE ITEM 15" SIDE DRAIN PIPE			
346	LF	PIPE REMOVAL			
2,705	TON	INCIDENTAL STONE BASE			
24.72	SMI	SHOULDER RECONSTRUCTION			
783	SY	INCIDENTAL MILLING			
7,368	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
17,153	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
11,338	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
8,764	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
1,804	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
526	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22			
14	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)			
126	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILLING)			
99,278	SY	GENERIC PAVING ITEM FULL DEPTH RECLAMATION			
1.35	CY	PIPE COLLARS			
15	EA	MASONRY DRAINAGE STRUCTURES			
5	EA	FRAME WITH TWO GRATES, STD 840.16			
1	EA	FRAME WITH TWO GRATES, STD 840.29			
7	EA	FRAME WITH COVER, STD 840.54			
13	SY	GENERIC PAVING ITEM INCIDENTAL CONCRETE			
1	EA	ADJUSTMENT OF DROP INLETS			
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
100	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
5	TON	RIP RAP, CLASS B			
18	SY	FILTER FABRIC FOR DRAINAGE			
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL			
57,868	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
99,174	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
285	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
170	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
44	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
131,320	LF	PAINT PAVEMENT MARKING LINES (4")			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L100420 004

CONTRACT ID : C202469 33770.3.1

DIV OFFICE WILSON

LENGTH = 0.102 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : DEC 31 2010

BRIDGE OVER BLACK CREEK AND APPROACHES ON SR-1330.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			
100	CY	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (18+46.50)			
200	CY	UNDERCUT EXCAVATION			
100	CY	BORROW EXCAVATION			
300	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT			
200	SY	FABRIC FOR SOIL STABILIZATION			
100	SY	ROCK PLATING			
200	CY	GENERIC GRADING ITEM SELECT GRANULAR MATERIAL			
40	SY	FOUNDATION CONDITIONING FABRIC			
20	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			
96	LF	15" DRAINAGE PIPE			
4	EA	*** DRAINAGE PIPE ELBOWS (15")			
Lump Sum	LS	FINE GRADING			
160	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
260	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
25	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
12	EA	RIGHT OF WAY MARKERS			
3	EA	MASONRY DRAINAGE STRUCTURES			
1	EA	FRAME WITH TWO GRATES, STD 840.24			
2	EA	FRAME WITH TWO GRATES, STD 840.29			
100	LF	SHOULDER BERM GUTTER			
125	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
3	TON	RIP RAP, CLASS B			
10	SY	FILTER FABRIC FOR DRAINAGE			
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			
114	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
96	LF	BARRICADES (TYPE III)			
4,322	LF	PAINT PAVEMENT MARKING LINES (4")			
10	EA	PERMANENT RAISED PAVEMENT MARKERS			
320	LF	*** WATER LINE (14")			
120	LF	12" WATER LINE			
1	EA	12" VALVE			
1	EA	RELOCATE FIRE HYDRANT			
436	LF	ABANDON 12" UTILITY PIPE			
320	LF	TRENCHLESS INSTALLATION OF 14" IN SOIL			
1,300	LF	TEMPORARY SILT FENCE			
225	TON	STONE FOR EROSION CONTROL, CLASS A			
150	TON	STONE FOR EROSION CONTROL, CLASS B			
100	TON	SEDIMENT CONTROL STONE			
0.5	ACR	TEMPORARY MULCHING			
50	LB	SEED FOR TEMPORARY SEEDING			
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING			
200	LF	TEMPORARY SLOPE DRAINS			
5	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS			

1,000	LF	SAFETY FENCE
225	CY	SILT EXCAVATION
2,000	SY	MATTING FOR EROSION CONTROL
250	SY	COIR FIBER MAT
200	SY	PERMANENT SOIL REINFORCEMENT MAT
225	LF	1/4" HARDWARE CLOTH
20	LF	WATTLE
40	LB	POLYACRYLAMIDE (PAM)
10	LF	COIR FIBER BAFFLES
0.5	ACR	SEEDING & MULCHING
0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.25	TON	FERTILIZER TOPDRESSING
15	MHR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+46.50-L-)
1	EA	PDA TESTING
1	EA	PDA ASSISTANCE
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+46.50-L-)
58.1	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+46.50-L-)
10,175	LB	REINFORCING STEEL (BRIDGE)
300	LF	HP12X53 STEEL PILES
640	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
15	EA	PILE REDRIVES
365.75	LF	CONCRETE BARRIER RAIL
320	TON	RIP RAP CLASS II (2'-0" THICK)
356	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
2,006.13	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L100420 005

CONTRACT ID : C202086 34994.3.2

DIV OFFICE FAYETTEVILLE

LENGTH = 1.283 MI

COUNTY : CUMBERLAND

WIDENING, GRADING, DRAINAGE, PAVING, RET WALLS, AND CULVERT.

DBE GOAL 12.0% COMPLETION DATE : SEP 01 2012

SR-1363 (ELK RD) FROM SR-1132 (LEGION RD) TO US-301 &amp; I-95 BUS.

ROADWAY ITEMS				
			0.2	CY PIPE PLUGS
			151	EA MASONRY DRAINAGE STRUCTURES
			6	CY MASONRY DRAINAGE STRUCTURES
			82	LF MASONRY DRAINAGE STRUCTURES
			31	EA FRAME WITH TWO GRATES, STD 840.16
			12	EA FRAME WITH TWO GRATES, STD 840.24
			5	EA FRAME WITH TWO GRATES, STD 840.29
			5	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			48	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			43	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			10	EA FRAME WITH COVER, STD 840.54
			9	EA CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
			22	EA CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
			6,590	LF 1'-6" CONCRETE CURB & GUTTER
			15,900	LF 2'-6" CONCRETE CURB & GUTTER
			800	LF CONCRETE EXPRESSWAY GUTTER
			210	LF CONCRETE VALLEY GUTTER
			2,000	SY 4" CONCRETE SIDEWALK
			58	EA CONCRETE WHEELCHAIR RAMPS
			70	SY 6" CONCRETE DRIVEWAY
			340	SY 4" CONCRETE PAVED DITCH
			2,990	SY 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			3	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
			2	EA CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE COVER
			2,350	LF STEEL BM GUARDRAIL
			175	LF STEEL BM GUARDRAIL, SHOP CURVED
			4	EA STEEL BM GUARDRAIL TERMINAL SECTIONS
			5	EA ADDITIONAL GUARDRAIL POSTS
			1	EA GUARDRAIL ANCHOR UNITS, TYPE AT-1
			6	EA GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			6	EA GUARDRAIL ANCHOR UNITS, TYPE 350
			1	EA GUARDRAIL ANCHOR UNITS, TYPE B-77
			1,293	LF CHAIN LINK FENCE, 48" FABRIC
			108	EA METAL LINE POSTS FOR 48" CHAIN LINK FENCE
			10	EA METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
			1	EA GENERIC FENCING ITEM STEEL PIPE GATE, 24' WIDE
			676	TON RIP RAP, CLASS I
			307	TON RIP RAP, CLASS B
			6,933	SY FILTER FABRIC FOR DRAINAGE
			13	CY OVERHEAD FOOTING
			1,810	LF SUPPORTS, 3-LB STEEL U-CHANNEL
			Lump Sum	LS SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (69+50 -L-) (69+50 -L-)
			6	EA SIGN ERECTION, TYPE D
			143	EA SIGN ERECTION, TYPE E
			11	EA SIGN ERECTION, TYPE F
			67	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			1,246	SF WORK ZONE SIGNS (STATIONARY)
			496	SF WORK ZONE SIGNS (PORTABLE)
			477	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
			1	EA FLASHING ARROW PANELS, TYPE C
			2	EA CHANGEABLE MESSAGE SIGN
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)		
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING		
1	EA	SEALING ABANDONED WELLS		
86,400	CY	UNCLASSIFIED EXCAVATION		
8,031	CY	UNDERCUT EXCAVATION		
100	CY	SHALLOW UNDERCUT		
200	TON	CLASS IV SUBGRADE STABILIZATION		
815	CY	DRAINAGE DITCH EXCAVATION		
225	LF	BERM DITCH CONSTRUCTION		
17,370	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT		
590	SY	BREAKING OF EXISTING ASPHALT PAVEMENT		
1,000	SY	FABRIC FOR SOIL STABILIZATION		
12,360	SF	TEMPORARY SHORING		
6,400	SY	ROCK PLATING		
9,200	CY	GENERIC GRADING ITEM SELECT GRANULAR MATERIAL		
850	SY	GENERIC GRADING ITEM GEOGRID REINFORCEMENT		
4,480	SY	FOUNDATION CONDITIONING FABRIC		
1,430	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATERIAL, MINOR STRS		
540	LF	15" DRAINAGE PIPE		
476	LF	18" DRAINAGE PIPE		
52	LF	24" DRAINAGE PIPE		
92	LF	30" DRAINAGE PIPE		
188	LF	36" DRAINAGE PIPE		
5,540	LF	15" RC PIPE CULVERTS, CLASS IV		
2,444	LF	18" RC PIPE CULVERTS, CLASS IV		
720	LF	24" RC PIPE CULVERTS, CLASS IV		
1,592	LF	30" RC PIPE CULVERTS, CLASS IV		
1,160	LF	36" RC PIPE CULVERTS, CLASS IV		
24	LF	GENERIC PIPE ITEM 15" CS PIPE CULVERTS, 0.064" THICK		
376	LF	GENERIC PIPE ITEM 15" SIDE DRAIN PIPE		
120	LF	GENERIC PIPE ITEM 18" SIDE DRAIN PIPE		
180	LF	GENERIC PIPE ITEM 66" RC PIPE CULVERTS, CLASS III		
1,145	LF	PIPE REMOVAL		
Lump Sum	LS	FINE GRADING		
1,200	TON	STABILIZER AGGREGATE		
10,380	TON	AGGREGATE BASE COURSE		
1,000	TON	INCIDENTAL STONE BASE		
2,136	CY	SHOULDER BORROW		
9,560	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		
9,890	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		
13,510	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		
1,687	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22		
850	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		
191	CY	SUBDRAIN EXCAVATION		
143	CY	SUBDRAIN FINE AGGREGATE		
850	LF	6" PERFORATED SUBDRAIN PIPE		
26	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS		
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET		
12	LF	6" OUTLET PIPE (SUBDRAINS)		
4	CY	ENDWALLS		
7	CY	REINFORCED ENDWALLS		
1	CY	PIPE COLLARS		

			2	EA	GENERIC UTILITY ITEM WATER METER ASSEMBLY
			123	LF	GENERIC UTILITY ITEM 12" DI SANITARY GRAVITY SEWER
60	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)	149	LF	GENERIC UTILITY ITEM 20" STEEL ENCASEMENT PIPE, 0.250" THICK, BY OPEN CUT
533	EA	DRUMS	1,934	LF	GENERIC UTILITY ITEM 24" RESTRAINED JOINT DUCTILE IRON WATER LINE
93	EA	CONES	45	LF	GENERIC UTILITY ITEM 6" RESTRAINED JOINT DUCTILE IRON WATER LINE
496	LF	BARRICADES (TYPE III)	116	LF	GENERIC UTILITY ITEM 8" DI SANITARY GRAVITY SEWER
450	MD	FLAGGER	237	LF	GENERIC UTILITY ITEM 8" RESTRAINED JOINT DUCTILE IRON SEWER
4	EA	TEMPORARY CRASH CUSHIONS	1,167	LF	GENERIC UTILITY ITEM 8" RESTRAINED JOINT DUCTILE IRON WATER LINE
4	EA	RESET TEMPORARY CRASH CUSHIONS	5	LF	GENERIC UTILITY ITEM SEWER MANHOLE INSIDE DROP ASSEMBLY
2	EA	TMIA	90	TON	GENERIC UTILITY ITEM SELECT MATERIAL, CLASS VI
1,560	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	51,231	LB	GENERIC UTILITY ITEM DUCTILE IRON FITTINGS
4,039	LF	WATER FILLED BARRIER	15,700	LF	TEMPORARY SILT FENCE
2,149	LF	RESET WATER FILLED BARRIER	1,140	TON	STONE FOR EROSION CONTROL, CLASS A
120	HR	LAW ENFORCEMENT	2,110	TON	STONE FOR EROSION CONTROL, CLASS B
1,001	EA	TEMPORARY RAISED PAVEMENT MARKERS	2,015	TON	SEDIMENT CONTROL STONE
19,481	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	31.5	ACR	TEMPORARY MULCHING
16,220	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	850	LB	SEED FOR TEMPORARY SEEDING
1,997	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	4.75	TON	FERTILIZER FOR TEMPORARY SEED- ING
369	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	2,700	LF	TEMPORARY SLOPE DRAINS
777	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	12	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	2,000	LF	SAFETY FENCE
157	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	4,145	CY	SILT EXCAVATION
512	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	24,000	SY	MATTING FOR EROSION CONTROL
24	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24") (IV)	115	SY	COIR FIBER MAT
256,837	LF	PAINT PAVEMENT MARKING LINES (4")	500	SY	PERMANENT SOIL REINFORCEMENT MAT
14,778	LF	PAINT PAVEMENT MARKING LINES (8")	2,560	LF	1/4" HARDWARE CLOTH
2,194	LF	PAINT PAVEMENT MARKING LINES (24")	55	LF	*** TEMPORARY PIPE (24")
184	EA	PAINT PAVEMENT MARKING CHARAC- TER	4	EA	SPECIAL STILLING BASINS
420	EA	PAINT PAVEMENT MARKING SYMBOL	1,965	LF	COIR FIBER BAFFLES
35,032	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	19	EA	*** SKIMMER (1-1/2")
1,963	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	40	ACR	SEEDING & MULCHING
895	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	20.5	ACR	MOWING
245	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	250	LB	SEED FOR REPAIR SEEDING
601	EA	PERMANENT RAISED PAVEMENT MARKERS	0.75	TON	FERTILIZER FOR REPAIR SEEDING
67	EA	SNOWPLOWABLE PAVEMENT MARKERS	500	LB	SEED FOR SUPPLEMENTAL SEEDING
10	EA	7' U-CHANNEL POSTS	14.5	TON	FERTILIZER TOPDRESSING
10	EA	OBJECT MARKERS (END OF ROAD)	435	LF	IMPERVIOUS DIKE
38	LF	2" WATER LINE	5	MHR	SPECIALIZED HAND MOWING
512	LF	8" WATER LINE	36	EA	RESPONSE FOR EROSION CONTROL
4,805	LF	24" WATER LINE	458	CY	CULVERT DIVERSION CHANNEL
1	EA	2" VALVE	14	EA	PEDESTRIAN SIGNAL HEAD (***, ** SECTION) (1, 16")
3	EA	6" VALVE	6,205	LF	SIGNAL CABLE
9	EA	8" VALVE	44	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
11	EA	24" VALVE	2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
6	EA	8" TAPPING VALVE	2,109	LF	MESSENGER CABLE (3/8")
2	EA	16" TAPPING VALVE	1,995	LF	UNPAVED TRENCHING (***** (1, 2")
2	EA	2" AIR RELEASE VALVE	30	LF	UNPAVED TRENCHING (***** (2, 2")
3	EA	RELOCATE WATER METER	20	EA	JUNCTION BOX (STANDARD SIZE)
2	EA	2" DCV BACK-FLOW PREVENTOR	4	EA	WOOD POLE
4	EA	FIRE HYDRANT	10	EA	GUY ASSEMBLY
2	EA	RELOCATE FIRE HYDRANT	1	EA	1" RISER WITH WEATHERHEAD
732	LF	8" SANITARY GRAVITY SEWER	5	EA	2" RISER WITH WEATHERHEAD
2	EA	SANITARY SEWER CLEAN-OUT	1	EA	2" RISER WITH HEAT SHRINK TUBING
5	EA	4' DIA UTILITY MANHOLE	5,386	LF	INDUCTIVE LOOP SAWCUT
4	EA	5' DIA UTILITY MANHOLE	13,610	LF	LEAD-IN CABLE (***** (14-2)
23	LF	UTILITY MANHOLE WALL, 4' DIA	5	EA	900MHZ WIRELESS RADIO SYSTEM
42	LF	UTILITY MANHOLE WALL, 5' DIA	12	EA	METAL STRAIN SIGNAL POLE
6,648	LF	ABANDON 16" UTILITY PIPE	12	EA	SOIL TEST
3	EA	ABANDON UTILITY MANHOLE	84	CY	DRILLED PIER FOUNDATION
237	LF	20" ENCASEMENT PIPE	3	EA	SIGN FOR SIGNALS
88	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL	3	EA	SIGNAL CABINET FOUNDATION
1	EA	GENERIC UTILITY ITEM BREAKDOWN & REBUILD MANHOLE			
1	EA	GENERIC UTILITY ITEM BREAKDOWN MANHOLE & CONNECT PIPE			
2	EA	GENERIC UTILITY ITEM TEMPORARY BY-PASS			

3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
19	EA	DETECTOR CARD (TYPE 2070L)
3	EA	CABINET BASE EXTENDER
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS LIGHTNING ARRESTOR
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEM
2	EA	GENERIC SIGNAL ITEM RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD

**CULVERT ITEMS**

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (46+10.00-L-)
168	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
294.4	CY	CLASS A CONCRETE (CULVERT)
41,362	LB	REINFORCING STEEL (CULVERT)

**WALL ITEMS**

4,921.75	SF	MSE RETAINING WALLS
7,607	SF	SOLDIER PILE RETAINING WALLS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L100420 006

CONTRACT ID : C202471 33782.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.594 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, PAVING, SIGNAL &amp; STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : OCT 01 2011

## BRIDGE OVER REEDY CREEK &amp; APPROACHES ON SR-2804 AND SR-2804 (REEDY CREEK ROAD) &amp; SR-2805 (OLD HARRISBURG ROAD).

ROADWAY ITEMS					
Lump Sum	LS	MOBILIZATION	2	EA	FRAME WITH TWO GRATES, STD 840.29
Lump Sum	LS	CONSTRUCTION SURVEYING	4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (33+10.00)	7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
650	CY	UNDERCUT EXCAVATION	1	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
275	CY	SHALLOW UNDERCUT	1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	380	LF	1'-6" CONCRETE CURB & GUTTER
Lump Sum	LS	GRADING	3,010	LF	2'-6" CONCRETE CURB & GUTTER
400	TON	CLASS IV SUBGRADE STABILIZATION	70	LF	SHOULDER BERM GUTTER
42,000	CY	BORROW EXCAVATION	950	SY	4" CONCRETE SIDEWALK
600	CY	DRAINAGE DITCH EXCAVATION	5	EA	CONCRETE WHEELCHAIR RAMPS
1,500	SY	FABRIC FOR SOIL STABILIZATION	25	SY	6" CONCRETE DRIVEWAY
1,000	CY	GENERIC GRADING ITEM SELECT GRANULAR MATERIAL	650	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
510	SY	FOUNDATION CONDITIONING FABRIC	762.5	LF	STEEL BM GUARDRAIL
182	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATERIAL, MINOR STRS	50	LF	STEEL BM GUARDRAIL, SHOP CURVED
24	LF	15" DRAINAGE PIPE	2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
572	LF	15" RC PIPE CULVERTS, CLASS IV	10	EA	ADDITIONAL GUARDRAIL POSTS
56	LF	24" RC PIPE CULVERTS, CLASS IV	1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
80	LF	GENERIC PIPE ITEM 15" CS PIPE CULVERTS, 0.064" THICK	1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
332	LF	GENERIC PIPE ITEM 15" RC PIPE CULVERTS, CLASS III	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
40	LF	GENERIC PIPE ITEM 15" SIDE DRAIN PIPE	4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
44	LF	GENERIC PIPE ITEM 18" SIDE DRAIN PIPE	1,360	LF	WOVEN WIRE FENCE, 47" FABRIC
184	LF	GENERIC PIPE ITEM 24" RC PIPE CULVERTS, CLASS III	90	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
148	LF	GENERIC PIPE ITEM 36" RC PIPE CULVERTS, CLASS III	30	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
4	EA	GENERIC PIPE ITEM 15" CS PIPE ELBOWS, 0.064" THICK	340	LF	GENERIC FENCING ITEM 3 STRAND ELECTRIC FENCE RESET
415	LF	PIPE REMOVAL	66	TON	RIP RAP, CLASS I
100	TON	STABILIZER AGGREGATE	211	TON	RIP RAP, CLASS B
5,100	TON	AGGREGATE BASE COURSE	2,835	SY	FILTER FABRIC FOR DRAINAGE
650	TON	INCIDENTAL STONE BASE	590	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
30	GAL	PRIME COAT	34	EA	SIGN ERECTION, TYPE E
1,170	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 1-1/2")	3	EA	SIGN ERECTION, TYPE F
910	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
3,490	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (F)
3,530	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
420	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	19	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
30	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	2	EA	DISPOSAL OF SUPPORT, U-CHANNEL
246.4	CY	SUBDRAIN EXCAVATION	592	SF	WORK ZONE SIGNS (STATIONARY)
184.8	CY	SUBDRAIN FINE AGGREGATE	192	SF	WORK ZONE SIGNS (PORTABLE)
1,100	LF	6" PERFORATED SUBDRAIN PIPE	220	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
33	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	137	EA	DRUMS
3	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	53	EA	CONES
18	LF	6" OUTLET PIPE (SUBDRAINS)	280	LF	BARRICADES (TYPE III)
5.7	CY	ENDWALLS	960	MD	FLAGGER
0.09	CY	PIPE PLUGS	321	EA	TEMPORARY RAISED PAVEMENT MARKERS
16	EA	MASONRY DRAINAGE STRUCTURES	8,883	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1.1	LF	MASONRY DRAINAGE STRUCTURES	9,673	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1	EA	FRAME WITH TWO GRATES, STD 840.16	1,828	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
2	EA	FRAME WITH TWO GRATES, STD 840.22	150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
			224	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			5	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)

31	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
440	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)
22,540	LF	PAINT PAVEMENT MARKING LINES (4")
551	LF	PAINT PAVEMENT MARKING LINES (8")
218	LF	PAINT PAVEMENT MARKING LINES (24")
20	EA	PAINT PAVEMENT MARKING CHARACTER
46	EA	PAINT PAVEMENT MARKING SYMBOL
67	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
400	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
80	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
154	EA	PERMANENT RAISED PAVEMENT MARKERS
3	EA	7' U-CHANNEL POSTS
3	EA	OBJECT MARKERS (END OF ROAD)
102	LF	16" WATER LINE
1	EA	2" BLOW OFF
125	LF	ABANDON 16" UTILITY PIPE
8,350	LF	TEMPORARY SILT FENCE
770	TON	STONE FOR EROSION CONTROL, CLASS A
910	TON	STONE FOR EROSION CONTROL, CLASS B
710	TON	SEDIMENT CONTROL STONE
17.5	ACR	TEMPORARY MULCHING
500	LB	SEED FOR TEMPORARY SEEDING
3.75	TON	FERTILIZER FOR TEMPORARY SEEDING
550	LF	TEMPORARY SLOPE DRAINS
8	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
825	LF	SAFETY FENCE
2,700	CY	SILT EXCAVATION
16,800	SY	MATTING FOR EROSION CONTROL
90	SY	COIR FIBER MAT
800	SY	PERMANENT SOIL REINFORCEMENT MAT
1,225	LF	1/4" HARDWARE CLOTH
6	EA	SPECIAL STILLING BASINS
550	LF	WATTLE
131	LB	POLYACRYLAMIDE (PAM)
1,750	LF	COIR FIBER BAFFLES
7	EA	*** SKIMMER (1-1/2")
1	EA	*** SKIMMER (2")
23	ACR	SEEDING & MULCHING
10	ACR	MOWING
200	LB	SEED FOR REPAIR SEEDING
0.5	TON	FERTILIZER FOR REPAIR SEEDING
375	LB	SEED FOR SUPPLEMENTAL SEEDING
10	TON	FERTILIZER TOPDRESSING
22	MHR	SPECIALIZED HAND MOWING
24	EA	RESPONSE FOR EROSION CONTROL
800	LF	SIGNAL CABLE
9	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
500	LF	MESSANGER CABLE (3/8")
1,250	LF	UNPAVED TRENCHING (***** (1, 2")
8	EA	JUNCTION BOX (STANDARD SIZE)
4	EA	WOOD POLE
8	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
5	EA	2" RISER WITH WEATHERHEAD
1	EA	2" RISER WITH HEAT SHRINK TUBING
1,020	LF	INDUCTIVE LOOP SAWCUT
3,300	LF	LEAD-IN CABLE (***** (18-2)
1	EA	900MHZ WIRELESS RADIO SYSTEM
1	EA	SIGNAL CABINET FOUNDATION
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
6	EA	DETECTOR CARD (TYPE 2070L)
1	EA	CABINET BASE EXTENDER

1	EA	TRAFFIC SIGNAL REMOVAL
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS LIGHTNING ARRESTORS
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEMS

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (33+10.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (33+10.00-L-)
28.5	LF	3'-0" DIA DRILLED PIERS IN SOIL
18	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
28.1	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
1	EA	SID INSPECTION
1	EA	CROSSHOLE SONIC LOGGING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (33+10.00-L-)
4,212	SF	CONCRETE WEARING SURFACE
4,655	SF	GROOVING BRIDGE FLOORS
61	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (33+10.00-L-)
12,829	LB	REINFORCING STEEL (BRIDGE)
1,123	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
270	LF	HP12X53 STEEL PILES
199.37	LF	TWO BAR METAL RAIL
215.21	LF	1'-***X ***** CONCRETE PARAPET (1'-2" x 3'-5 1/2")
305	TON	RIP RAP CLASS II (2'-0" THICK)
345	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1,504.56	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS



## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L100420 007

CONTRACT ID : C202572

10CR.10901.21

DIV OFFICE ALBEMARLE

LENGTH = 6.960 MI

COUNTY : UNION

WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTR.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : SEP 15 2010

NC-16 FROM PAVEMENT JOINT AT SR-1008 TO SOUTH OF SR-1315 AND 2 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
100	CY	BORROW EXCAVATION
460	TON	STABILIZER AGGREGATE
345	TON	INCIDENTAL STONE BASE
7.5	SMI	SHOULDER CONSTRUCTION
5	SMI	SHOULDER RECONSTRUCTION
1,482	LF	DITCHING
13,750	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2')
151	SY	INCIDENTAL MILLING
2,945	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
6,815	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
4,205	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
5,275	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
885	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
700	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
370	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
2,260	TON	PATCHING EXISTING PAVEMENT
144	SY	6" CONCRETE DRIVEWAY
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
65,234	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
74,322	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
313	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
138	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
32	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
90,948	LF	PAINT PAVEMENT MARKING LINES (4")
1,079	EA	PERMANENT RAISED PAVEMENT MARKERS
1,482	LF	TEMPORARY SILT FENCE
168	TON	STONE FOR EROSION CONTROL, CLASS B
84	TON	SEDIMENT CONTROL STONE
6	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L100420 008

CONTRACT ID : C202239 34369.3.5

DIV OFFICE NORTH WILKESBORO

LENGTH = 2.454 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 11.0% COMPLETION DATE : JUL 15 2012

NC-16 FROM SOUTHEAST OF SR-1158 TO SOUTHEAST OF NC-88.

ROADWAY ITEMS

			2	EA	18" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
			2	EA	24" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
			2	EA	30" BIT COAT CS PIPE ELBOWS, TYPE B 0.079" THICK
			758	LF	PIPE REMOVAL
			2	EA	PIPE CLEAN-OUT
Lump Sum	LS	MOBILIZATION	Lump Sum	LS	FINE GRADING
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	500	TON	STABILIZER AGGREGATE
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	250	TON	INCIDENTAL STONE BASE
1	EA	SEALING ABANDONED WELLS	31,300	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
25,800	CY	UNCLASSIFIED EXCAVATION	6,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (364+50.00)	13,200	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
1,000	CY	UNDERCUT EXCAVATION	10,100	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
500	CY	SHALLOW UNDERCUT	1,515	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,000	TON	CLASS IV SUBGRADE STABILIZATION	640	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
6,600	SY	PRE-SPLITTING OF ROCK	138	EA	RIGHT OF WAY MARKERS
11,600	CY	BORROW EXCAVATION	560	CY	SUBDRAIN EXCAVATION
1,050	CY	DRAINAGE DITCH EXCAVATION	420	CY	SUBDRAIN FINE AGGREGATE
100	LF	BERM DITCH CONSTRUCTION	2,500	LF	6" PERFORATED SUBDRAIN PIPE
380	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	75	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1,000	CY	SELECT GRANULAR MATERIAL	5	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
1,500	SY	FABRIC FOR SOIL STABILIZATION	30	LF	6" OUTLET PIPE (SUBDRAINS)
28,925	SF	TEMPORARY SHORING	21	CY	ENDWALLS
500	SY	GENERIC GRADING ITEM	36	CY	REINFORCED ENDWALLS
9	EA	GENERIC GRADING ITEM STABILIZATION SOIL NAIL PROOF TESTS	5	CY	PIPE COLLARS
3	EA	GENERIC GRADING ITEM STABILIZATION SOIL NAIL VERIFICATION TESTS	2	CY	PIPE PLUGS
10	EA	GENERIC GRADING ITEM SUPPLEMENTAL STABILIZATION SOIL NAILS	25	CY	FLOWABLE FILL
2,600	SY	FOUNDATION CONDITIONING FABRIC	116	EA	MASONRY DRAINAGE STRUCTURES
830	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATERIAL, MINOR STRS	53	LF	MASONRY DRAINAGE STRUCTURES
132	LF	15" SIDE DRAIN PIPE	1	EA	FRAME WITH GRATE, STD 840.**** (840.20)
12	LF	12" RC PIPE CULVERTS, CLASS III	3	EA	FRAME WITH GRATE, STD 840.22
1,420	LF	18" RC PIPE CULVERTS, CLASS III	2	EA	FRAME WITH TWO GRATES, STD 840.16
164	LF	30" RC PIPE CULVERTS, CLASS III	1	EA	FRAME WITH TWO GRATES, STD 840.20
352	LF	36" RC PIPE CULVERTS, CLASS III	23	EA	FRAME WITH TWO GRATES, STD 840.22
44	LF	42" RC PIPE CULVERTS, CLASS III	12	EA	FRAME WITH TWO GRATES, STD 840.24
64	LF	48" RC PIPE CULVERTS, CLASS III	75	EA	FRAME WITH TWO GRATES, STD 840.29
76	LF	54" RC PIPE CULVERTS, CLASS III	3	EA	FRAME WITH COVER, STD 840.54
92	LF	60" RC PIPE CULVERTS, CLASS III	4,390	LF	SHOULDER BERM GUTTER
80	LF	72" RC PIPE CULVERTS, CLASS III	2,750	LF	CONCRETE EXPRESSWAY GUTTER
80	LF	*** BIT COAT CS PIPE CULVERTS, TYPE B ***** THICK (54", 0.138")	2,200	SY	4" CONCRETE PAVED DITCH
32	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	205	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
48	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	4,710	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
54	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	1	EA	IMPACT ATTENUATOR UNIT, TYPE 350
140	LF	30" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK	9,600	LF	STEEL BM GUARDRAIL
92	LF	36" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK	150	LF	STEEL BM GUARDRAIL, SHOP CURVED
68	LF	42" BIT COAT CS PIPE CULVERTS, TYPE B 0.109" THICK	10	EA	ADDITIONAL GUARDRAIL POSTS
68	LF	48" BIT COAT CS PIPE CULVERTS, TYPE B 0.109" THICK	1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)
12	LF	60" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK	3	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	34	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			15	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			4	EA	GENERIC GUARDRAIL ITEM IMPACT ATTENUATOR UNIT, TYPE 350 TL-2

1,000	LF	** STRAND BARBED WIRE FENCE WITH POSTS (4)
260	TON	RIP RAP, CLASS I
3,009	TON	RIP RAP, CLASS II
70	TON	RIP RAP, CLASS B
7,980	SY	FILTER FABRIC FOR DRAINAGE
6	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
450	SF	WORK ZONE SIGNS (STATIONARY)
192	SF	WORK ZONE SIGNS (PORTABLE)
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4	EA	CHANGEABLE MESSAGE SIGN
286	EA	DRUMS
64	LF	BARRICADES (TYPE III)
1,440	MD	FLAGGER
18	EA	TEMPORARY CRASH CUSHIONS
2	EA	TMIA
4,592	LF	PORTABLE CONCRETE BARRIER
80	HR	LAW ENFORCEMENT
6	EA	TUBULAR MARKERS (FIXED)
270	EA	TEMPORARY RAISED PAVEMENT MARKERS
176,890	LF	PAINT PAVEMENT MARKING LINES (4")
50,928	LF	POLYUREA PAVEMENT MARKING LINES (4", *****)
34	LF	POLYUREA PAVEMENT MARKING LINES (24", *****)
5,644	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
162	EA	SNOWPLOWABLE PAVEMENT MARKERS
35,500	LF	TEMPORARY SILT FENCE
3,040	TON	STONE FOR EROSION CONTROL, CLASS A
1,915	TON	STONE FOR EROSION CONTROL, CLASS B
3,195	TON	SEDIMENT CONTROL STONE
27.5	ACR	TEMPORARY MULCHING
450	LB	SEED FOR TEMPORARY SEEDING
2.75	TON	FERTILIZER FOR TEMPORARY SEEDING
2,450	LF	TEMPORARY SLOPE DRAINS
24	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
6,500	LF	SAFETY FENCE
4,145	CY	SILT EXCAVATION
47,000	SY	MATTING FOR EROSION CONTROL
600	SY	COIR FIBER MAT
2,500	SY	PERMANENT SOIL REINFORCEMENT MAT
9,150	LF	1/4" HARDWARE CLOTH
4	EA	SPECIAL STILLING BASINS
4,270	LF	WATTLE
1,067	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLES
1	EA	*** SKIMMER (1-1/2")
15	ACR	SEEDING & MULCHING
10	ACR	MOWING
250	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
325	LB	SEED FOR SUPPLEMENTAL SEEDING
9.25	TON	FERTILIZER TOPDRESSING
250	MHR	SPECIALIZED HAND MOWING
45	EA	RESPONSE FOR EROSION CONTROL
0.6	ACR	REFORESTATION

\*\*\*\*\* BEGIN SCHEDULE AA \*\*\*\*\*  
 \*\*\*\*\* (3 ALTERNATES) \*\*\*\*\*

4,488	LF	15" RC PIPE CULVERTS, CLASS III
260	LF	24" RC PIPE CULVERTS, CLASS III

\*\*\* OR \*\*\*

4,284	LF	15" RC PIPE CULVERTS, CLASS III
248	LF	24" RC PIPE CULVERTS, CLASS III
204	LF	**** HDPE PIPE CULVERTS (15")
12	LF	**** HDPE PIPE CULVERTS (24")

\*\*\* OR \*\*\*

4,284	LF	15" RC PIPE CULVERTS, CLASS III
248	LF	24" RC PIPE CULVERTS, CLASS III
204	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (15", 0.064")
12	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (24", 0.064")

\*\*\* END SCHEDULE AA \*\*\*

**WALL ITEMS**

1,098	SF	SOIL NAIL RETAINING WALLS
2	EA	SOIL NAIL VERIFICATION TESTS
6	EA	SOIL NAIL PROOF TESTS
9,910	SF	PRECAST GRAVITY RETAINING WALLS
1,816	SF	GENERIC RETAINING WALL ITEM COBBLE FACED RETAINING WALL (253+00.00 -L1-)
667	SF	GENERIC RETAINING WALL ITEM COBBLE FACED RETAINING WALL (267+50.00 -L1-)
1,355	SF	GENERIC RETAINING WALL ITEM COBBLE FACED RETAINING WALL (272+00.00 -L1-)
178	SF	GENERIC RETAINING WALL ITEM COBBLE FACED RETAINING WALL (280+00.00 -L1-)
3,070	SF	GENERIC RETAINING WALL ITEM COBBLE FACED RETAINING WALL (290+50.00 -L1-)

**STRUCTURE ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (364+50.00 -L1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1, 364+50.00 -L1-)
1,265	CY	UNCLASSIFIED STRUCTURE EXCAVATION
76.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (364+50.00 -L1-)
8,548	LB	REINFORCING STEEL (BRIDGE)
135	LF	HP12X53 STEEL PILES
165.5	LF	CONCRETE BARRIER RAIL
247	TON	RIP RAP CLASS II (2'-0" THICK)
275	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,241.25	LF	3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L100420 009

CONTRACT ID : C202378 33741.3.1

DIV OFFICE SHELBY

LENGTH = 0.167 MI

COUNTY : GASTON

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : DEC 01 2010

BRIDGE OVER CROWDER'S CREEK AND APPROACHES ON SR-1103.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (16+37)
250	CY	UNDERCUT EXCAVATION
100	CY	SHALLOW UNDERCUT
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
200	TON	CLASS IV SUBGRADE STABILIZATION
750	SY	FABRIC FOR SOIL STABILIZATION
160	SY	ROCK PLATING
1,000	CY	GENERIC GRADING ITEM SELECT GRANULAR MATERIAL
60	SY	FOUNDATION CONDITIONING FABRIC
20	TON	GENERIC DRAINAGE ITEM FOUNDATION CONDITIONING MATERIAL, MINOR STRS
52	LF	15" DRAINAGE PIPE
108	LF	15" RC PIPE CULVERTS, CLASS IV
50	TON	INCIDENTAL STONE BASE
390	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
220	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
390	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
51	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
8	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
5	EA	MASONRY DRAINAGE STRUCTURES
6.7	LF	MASONRY DRAINAGE STRUCTURES
5	EA	FRAME WITH TWO GRATES, STD 840.29
620	LF	SHOULDER BERM GUTTER
787.5	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
20	TON	RIP RAP, CLASS B
500	SY	FILTER FABRIC FOR DRAINAGE
3	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
352	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
7,056	LF	PAINT PAVEMENT MARKING LINES (4")
630	LF	ABANDON 8" UTILITY PIPE
4	EA	REMOVE UTILITY MANHOLE
1	EA	GENERIC UTILITY ITEM BREAKDOWN & REBUILD EXISTING MANHOLE
950	LF	TEMPORARY SILT FENCE
250	TON	STONE FOR EROSION CONTROL, CLASS A
150	TON	STONE FOR EROSION CONTROL, CLASS B
200	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
325	LF	TEMPORARY SLOPE DRAINS
5	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,500	LF	SAFETY FENCE
350	CY	SILT EXCAVATION
9,400	SY	MATting FOR EROSION CONTROL
50	SY	COIR FIBER MAT

560	SY	PERMANENT SOIL REINFORCEMENT MAT
750	LF	1/4" HARDWARE CLOTH
100	LF	WATTLE
25	LB	POLYACRYLAMIDE (PAM)
285	LF	COIR FIBER BAFFLES
4	EA	*** SKIMMER (1-1/2")
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.5	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL
980	LF	SIGNAL CABLE
8	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
480	LF	MESSENGER CABLE (3/8")
4	EA	WOOD POLE
8	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
4	EA	2" RISER WITH WEATHERHEAD
690	LF	INDUCTIVE LOOP SAWCUT
2,800	LF	LEAD-IN CABLE (***** (14-2)
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
5	EA	DETECTOR CARD (TYPE 2070L)
1	EA	TRAFFIC SIGNAL REMOVAL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+37.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+37.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+37.00-L-)
6,305	SF	CONCRETE WEARING SURFACE
7,226	SF	GROOVING BRIDGE FLOORS
77.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+37.00-L-)
12,236	LB	REINFORCING STEEL (BRIDGE)
570	LF	HP12X53 STEEL PILES
1,155	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
374.8	LF	VERTICAL CONCRETE BARRIER RAIL
680	TON	RIP RAP CLASS II (2'-0" THICK)
755	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
2,243.5	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

**FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID****L100420 010****CONTRACT ID : C202546 37733.3.1****DIV OFFICE SHELBY****LENGTH = 21.100 MI****COUNTY : IREDELL, DAVIE****MILLING, RESURFACING, RUMBLE STRIPS, & GROOVING CONC PVMT.****DBE GOAL 6.0% COMPLETION DATE : JUL 01 2011****I-40 FROM SR-2185 (MM-154) IN IREDELL COUNTY TO SR-1436 (MM-175) IN DAVIE COUNTY.****ROADWAY ITEMS**

Lump Sum	LS	MOBILIZATION
500	CY	UNDERCUT EXCAVATION
4,872	SY	FABRIC FOR SOIL STABILIZATION
2,036	TON	GENERIC GRADING ITEM AGGREGATE BASE COURSE FOR BACKFILL
346,603	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
50,130	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
29,380	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,356	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,763	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
100	TON	PATCHING EXISTING PAVEMENT
445,632	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
2,872	SY	GENERIC PAVING ITEM 8" CRC REPAIR
140,800	SY	GENERIC PAVING ITEM GROOVING EXIST CONCRETE PAVEMENT
46	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
35	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	EA	FLASHING ARROW PANELS, TYPE C
2	EA	CHANGEABLE MESSAGE SIGN
600	EA	DRUMS
2	EA	TMA
4,500	LF	PAINT PAVEMENT MARKING LINES (6")
473,484	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
11,000	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
1,000	EA	GENERIC PAVEMENT MARKING ITEM REPLACE SNOWPLOWABLE PAVEMENT MARKER REFLECTOR
250	EA	SNOWPLOWABLE PAVEMENT MARKERS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L100420 011

CONTRACT ID : C202571 12CR.10363.1

DIV OFFICE SHELBY

LENGTH = 3.170 MI

COUNTY : GASTON

MILLING, RESURFACING &amp; MILLED RUMBLE STRIPS.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : AUG 20 2010

I-85 FROM MP 13.9 TO MP 17.07 (US-321 BRIDGES).

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
147,590	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
24,180	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
20,630	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
1,135	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
2,000	TON	PATCHING EXISTING PAVEMENT
66,960	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
1	EA	FLASHING ARROW PANELS, TYPE C
1	EA	CHANGEABLE MESSAGE SIGN
300	EA	DRUMS
1	EA	TMA
60	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
21	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
97,945	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
2,900	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
375	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING