



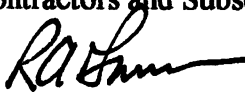
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

March 22, 2011

Notice To: All Prequalified Contractors and Subscribers of the Invitation to Bid

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

Subject: *Invitation to Bid*

In an effort to provide the industry with electronic data in a more efficient and effective manner, beginning with the advertisement for the July 19, 2011 letting the Department will no longer mail a hardcopy "*Invitation to Bid*" to prequalified Contractors or subscribers.

The Invitation to Bid will be posted on the Project Letting webpage on the morning of the advertisement day and can be viewed and printed from the following link.

<http://www.ncdot.gov/doh/preconstruct/ps/contracts/letting.html#0>

If you have any questions, I can be reached at (919) 707-6900

**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](http://WWW.NCDOT.ORG)

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




STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

May 24, 2011

Notice To            All Prequalified Contractors  
From:                R.A. Garris, P.E.   
                          State Contract Officer  
Subject:             Directory of Transportation Firms

The NCDOT has updated its Transportation Directory to include additional items such as the SBE work codes, engineering disciplines, queries based on the physical address, and other reporting options. With the update, a new web address was created for the Directory. The old Directory address is still working, but we encourage the use of the new Directory for your outreach efforts. The new Directory address is <https://partner.ncdot.gov/VendorDirectory/default.html>.

If you have any problems or have questions regarding the Directory please contact Mr. Mickey Biedell at 919-733-7174.

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

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STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

July 19, 2011

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 Contract Standards and Development Unit's 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 919-707-6944, or place your order electronically at the following Website: <http://www.ncdot.org/business/order/puborder.html>

If you have any questions, I can be reached at (919) 707-6900.

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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

UPDATED July 19, 2011

<b>TIP#</b>	<b>DIVISION</b>	<b>COUNTY</b>	<b>DESCRIPTION</b>	<b>TENTATIVE LET DATE</b>
U-2519DA	6	CUMBERLAND	FAYETTEVILLE OUTER LOOP-FROM EAST OF SR 1415 (YADKIN ROAD) TO WEST OF NC-24 (BRAGG BOULEVARD)	AUGUST 16, 2011
R-2414B	1	CAMDEN	US 158/NC 34 FROM NORTH OF SR 1257 TO EAST OF NC 34 IN BELCROSS	NOVEMBER 15, 2011
B-4183	13	MADISON	BRIDGE 29 OVER MIDDLE FORK CREEK ON SR 1526 AND BRIDGE 28 OVER CROOKED CREEK ON SR 1526	DECEMBER 20, 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

**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 AUGUST 16, 2011. 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 919-707-6900.

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 (919-707-6925), 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 6.75% 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 JULY 19, 2011.  
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	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Robert W Lewis, 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** L110816

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C202437	33486.3.1	HALIFAX	0.142 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
002	C202827	5CR.20921.32	WAKE	1.240 MI	MILLING & RESURFACING.
003	C202829	34817.3.12	CUMBERLAND	1.920 KM	GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.
004	C202648	34482.3.1	GUILFORD	3.797 MI	GRADING, DRAINAGE, PAVING, SIGNALS, RET WALLS, AND CULVERT.
005	C202439	33783.3.1	MONTGOMERY	0.147 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
006	C202438	33732.3.1	DAVIDSON	0.142 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
007	C202802	45493.3.1	IREDELL, CATAWBA	14.700 MI	GRADING, DIAMOND GRINDING, MILLING, PAVING & SLAB REMOVAL.
008	C202723	46132.3.1	BUNCOMBE	9.500 MI	WIDENING, PAVING, AND SHOULDER RECONSTRUCTION.
009	C202323	32919.3.1	HAYWOOD	0.099 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110816 001

CONTRACT ID : C202437 33486.3.1

DIV OFFICE WILSON

LENGTH = 0.142 MI

COUNTY : HALIFAX

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : APR 01 2012

BRIDGE OVER JACKET SWAMP AND APPROACHES ON SR-1001.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (26+70.50 -L-)
200	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
200	CY	SELECT GRANULAR MATERIAL
100	SY	FABRIC FOR SOIL STABILIZATION
12	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
40	SY	FOUNDATION CONDITIONING FABRIC
44	LF	15" DRAINAGE PIPE
56	LF	15" RC PIPE CULVERTS, CLASS IV
200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
165	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
205	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
35	TON	ASPHALT BINDER FOR PLANT MIX
10	EA	RIGHT OF WAY MARKERS
22.4	CY	SUBDRAIN EXCAVATION
16.8	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLETS
6	LF	6" OUTLET PIPE (SUBDRAINS)
4	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.29
180	LF	SHOULDER BERM GUTTER
600	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,050	SY	FILTER FABRIC FOR DRAINAGE
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
3	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
3	EA	DISPOSAL OF SIGN SYSTEM, WOOD
460	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
64	LF	BARRICADES (TYPE III)
5,998	LF	PAINT PAVEMENT MARKING LINES (4")
1,200	LF	TEMPORARY SILT FENCE
225	TON	STONE FOR EROSION CONTROL, CLASS A
5	TON	STONE FOR EROSION CONTROL, CLASS B
430	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,000	LF	SAFETY FENCE
100	CY	SILT EXCAVATION
1,700	SY	MATTING FOR EROSION CONTROL
1,300	LF	1/4" HARDWARE CLOTH
100	SY	FLOATING TURBIDITY CURTAIN
8	EA	SPECIAL STILLING BASINS
1.5	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING

10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (26+70.50-L-)
81.67	LF	4'-0" DIA DRILLED PIERS IN SO IL
31	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
77.5	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
1	EA	SID INSPECTION
1	EA	CROSSHOLE SONIC LOGGING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (26+70.50-L-)
70.1	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (26+70.50-L-)
19,315	LB	REINFORCING STEEL (BRIDGE)
3,066	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
300	LF	HP12X53 STEEL PILES
337.5	LF	VERTICAL CONCRETE BARRIER RAIL
482	TON	RIP RAP CLASS II (2'-0" THICK)
536	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,853.5	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L110816 002

CONTRACT ID : C202827 5CR.20921.32

DIV OFFICE DURHAM

LENGTH = 1.240 MI

COUNTY : WAKE

MILLING &amp; RESURFACING.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : JUL 20 2012

2 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
62,315	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
1,980	SY	MILLING ASPHALT PAVEMENT, **** TO *****" DEPTH (1-1/2" TO 3")
9,004	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
5,399	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
756	TON	ASPHALT BINDER FOR PLANT MIX
800	TON	PATCHING EXISTING PAVEMENT
60	LF	2'-6" CONCRETE CURB & GUTTER
6	EA	GENERIC PAVING ITEM CONCRETE CURB RAMPS
102	EA	ADJUSTMENT OF MANHOLES
118	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
100	HR	LAW ENFORCEMENT
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL
4,094	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
4,340	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1,201	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
67	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
4,094	LF	PAINT PAVEMENT MARKING LINES (4")
4,340	LF	PAINT PAVEMENT MARKING LINES (8")
1,201	LF	PAINT PAVEMENT MARKING LINES (24")
4	EA	PAINT PAVEMENT MARKING CHARAC- TER
67	EA	PAINT PAVEMENT MARKING SYMBOL
Lump Sum	LS	PORTABLE LIGHTING
1,247	LF	INDUCTIVE LOOP SAWCUT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110816 003

CONTRACT ID : C202829 34817.3.12

DIV OFFICE FAYETTEVILLE

LENGTH = 1.920 KM

COUNTY : CUMBERLAND

GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : JUL 15 2015

FAYETTEVILLE OUTER LOOP FROM EAST OF SR-1415 (YADKIN RD) TO WEST OF NC-24 (BRAGG BLVD).

ROADWAY ITEMS					
			50.4	M	GENERIC PIPE ITEM 450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	MOBILIZATION	165.6	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	CONSTRUCTION SURVEYING	40.8	M	GENERIC PIPE ITEM 800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
18,130	M3	GENERIC MISCELLANEOUS ITEM CHIPPED TIRE MATERIAL	14.4	M	GENERIC PIPE ITEM 900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	CLEARING & GRUBBING .. HECTARE(S)	91.2	M	GENERIC PIPE ITEM 900MM RC PIPE CULVERTS, CLASS III
2	HA	SUPPLEMENTARY CLEARING & GRUBBING	58	EA	GENERIC PIPE ITEM 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
4	EA	SEALING ABANDONED WELLS	2	EA	GENERIC PIPE ITEM 450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
341,500	M3	UNCLASSIFIED EXCAVATION	4	EA	GENERIC PIPE ITEM 800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+10.929 -LP1B-)	65	M	PIPE REMOVAL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+60.500 -RP1A-)	110	M2	150MM SLOPE PROTECTION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+08.916 -COL2-)	Lump Sum	LS	FINE GRADING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+39.100 -RP1BD-)	25	MTN	#57 STONE
28,000	M3	UNDERCUT EXCAVATION	2,000	MTN	STABILIZER AGGREGATE
600	M3	SHALLOW UNDERCUT	58,400	MTN	AGGREGATE BASE COURSE
1,200	MTN	CLASS IV SUBGRADE STABILIZATION	1,000	MTN	INCIDENTAL STONE BASE
1,627,000	M3	BORROW EXCAVATION	2,530	L	PRIME COAT
4,660	M3	DRAINAGE DITCH EXCAVATION	2,000	M2	MILLING ASPHALT PAVEMENT, *** TO ***MM DEPTH (0MM TO 40MM)
230	M	BERM DITCH CONSTRUCTION	585	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
19,600	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	3,805	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
21	HR	PROOF ROLLING	395	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
28,700	M3	SELECT GRANULAR MATERIAL, CLASS III	24,315	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
38,450	M2	FABRIC FOR SOIL STABILIZATION	570	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
265.5	M2	TEMPORARY SHORING	22,100	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
4,750	M2	ROCK PLATING	2,980	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
5,500	M3	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III	2,720	MTN	ASPHALT BINDER FOR PLANT MIX
5,500	M2	GENERIC GRADING ITEM FABRIC FOR EMBANKMENT STABILIZATION	170	MTN	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
22,800	M2	GENERIC GRADING ITEM GEOGRID REINFORCEMENT	50	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR
9,200	M2	GENERIC GRADING ITEM PERM TURF REINF MAT	2,100	M	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
Lump Sum	LS	GENERIC GRADING ITEM TEMPORARY BRIDGE APPROACH FILL STA 29+05.369 -L-WBL	15	MTN	GENERIC PAVING ITEM LIME FOR LIME MODIFIED SOIL
Lump Sum	LS	GENERIC GRADING ITEM TEMPORARY BRIDGE APPROACH FILL STA 29+08.861 -L-EBL	1,500	M2	GENERIC PAVING ITEM LIME MODIFIED SOIL
Lump Sum	LS	GENERIC GRADING ITEM TEMPORARY BRIDGE APPROACH FILL STA 29+12.986 -COL1-	538.2	M3	SUBDRAIN EXCAVATION
1,940	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	269.1	M3	SUBDRAIN FINE AGGREGATE
5,830	M2	FOUNDATION CONDITIONING FABRIC	650	M	150MM PERFORATED SUBDRAIN PIPE
171.6	M	GENERIC PIPE ITEM 1050MM RC PIPE CULVERTS, CLASS III	5	EA	SUBDRAIN PIPE OUTLETS
626.4	M	GENERIC PIPE ITEM 1200MM RC PIPE CULVERTS, CLASS III	10	M	150MM OUTLET PIPE (SUBDRAINS)
588	M	GENERIC PIPE ITEM 1200MM RC PIPE CULVERTS, CLASS IV	32.8	M3	ENDWALLS
12	M	GENERIC PIPE ITEM 1800MM RC PIPE CULVERTS, CLASS III	5.4	M3	REINFORCED ENDWALLS
154.8	M	GENERIC PIPE ITEM 1800MM RC PIPE CULVERTS, CLASS IV	4.5	M3	PIPE COLLARS
682.8	M	GENERIC PIPE ITEM 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	0.5	M3	PIPE PLUGS
			136	EA	MASONRY DRAINAGE STRUCTURES
			24.1	M3	MASONRY DRAINAGE STRUCTURES
			7.5	M	MASONRY DRAINAGE STRUCTURES
			1	EA	FRAME WITH GRATE, STD 840.22
			48	EA	FRAME WITH TWO GRATES, STD 840.20
			67	EA	FRAME WITH TWO GRATES, STD 840.22
			1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)

			Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+00 -Y1-)
9	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (24+20 -RP1BD-)
2	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (27+70 -Y1-)
640	M	750MM CONCRETE CURB & GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (28+30 -Y1-)
2,370	M	SHOULDER BERM GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (29+20 -COL2-)
4	EA	MODIFIED CONCRETE FLUME	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (31+75 -Y1-)
50	M	CONCRETE VALLEY GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (32+00 -Y1-)
25	M2	100MM CONCRETE PAVED DITCH	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (33+16 -COL2-)
250	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (35+10 -RP1BD-)
3	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (37+90 -RP1BD-)
1	EA	IMPACT ATTENUATOR UNIT, TYPE 350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+70-RP1BD)
4,503.42	M	STEEL BM GUARDRAIL	2	EA	SIGN ERECTION, TYPE D
10	EA	ADDITIONAL GUARDRAIL POSTS	52	EA	SIGN ERECTION, TYPE E
12	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	10	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
18	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	8	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
5	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	4	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD
22	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	4	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2,400	M	REMOVE EXISTING GUARDRAIL	14	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2,100	M	DOUBLE FACED CABLE GUIDERAIL	1	EA	DISPOSAL OF SIGN SYSTEM, WOOD
10	EA	ADDITIONAL GUIDERAIL POSTS	1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
8	EA	CABLE GUIDERAIL ANCHOR UNITS	1	EA	DISPOSAL OF SIGN, D, E OR F
2,500	M	WOVEN WIRE FENCE, 1200MM FABRIC	35	M2	WORK ZONE SIGNS (STATIONARY)
532	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	43	M2	WORK ZONE SIGNS (PORTABLE)
112	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	16	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
3,650	M	CHAIN LINK FENCE, ****MM FABRIC (2100MM)	2	EA	FLASHING ARROW PANELS, TYPE C
995	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (2100MM)	2	EA	CHANGEABLE MESSAGE SIGN
45	EA	METAL TERMINAL POSTS FOR ****MM CHAIN LINK FENCE (2100MM)	200	EA	DRUMS
6	EA	METAL GATE POSTS FOR ****MM CHAIN LINK FENCE, DOUBLE GATE (2100MM)	146	M	BARRICADES (TYPE III)
150	M	ADDITIONAL BARBED WIRE	2	EA	TEMPORARY CRASH CUSHIONS
1	EA	DOUBLE GATES, ****MM HIGH, ****MM WIDE, ****MM OPENING (2100MM, 5350MM, 10700MM)	2	EA	RESET TEMPORARY CRASH CUSHIONS
2	EA	DOUBLE GATES, ****MM HIGH, ****MM WIDE, ****MM OPENING (2100MM, 7500MM, 15000MM)	2	EA	TMIA
140	M	CHAIN LINK FENCE RESET	3,322	M	PORTABLE CONCRETE BARRIER
245	MTN	RIP RAP, CLASS I	41	M	PORTABLE CONCRETE BARRIER (ANCHORED)
220	MTN	RIP RAP, CLASS II	1,200	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
1,610	MTN	RIP RAP, CLASS B	4,102	M	RESET PORTABLE CONCRETE BARRIER
14,735	M2	FILTER FABRIC FOR DRAINAGE	500	HR	LAW ENFORCEMENT
5	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	22	EA	TUBULAR MARKERS (FIXED)
5	M3	REINFORCED CONCRETE SIGN FOUNDATIONS	450	EA	TEMPORARY RAISED PAVEMENT MARKERS
207	M3	OVERHEAD FOOTING	9,638	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
2,014	KG	SUPPORTS, BREAKAWAY STEEL BEAM	2,478	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
293	KG	SUPPORTS, SIMPLE STEEL BEAM	6,310	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
333	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL	697	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (10+00 -RP1D-)	1,833	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (11+00 -Y1-)	751	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+04-LP2D)	8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+20 -Y1-)	13	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (13+40-Y2-)	396	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (100MM) (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (16+80 -Y1-)	41,532	M	PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (19+20-Y2-)			

			532	M	INDUCTIVE LOOP SAWCUT		
			3,007	M	LEAD-IN CABLE (***** (14-2)		
4,253	M	PAINT PAVEMENT MARKING LINES (150MM)	4	EA	900MHZ WIRELESS RADIO SYSTEM		
			8	EA	METAL STRAIN SIGNAL POLE		
968	M	PAINT PAVEMENT MARKING LINES (200MM)	8	EA	SOIL TEST		
680	M	PAINT PAVEMENT MARKING LINES (300MM)	42	M3	DRILLED PIER FOUNDATION		
			2	EA	SIGN FOR SIGNALS		
15	EA	PAINT PAVEMENT MARKING SYMBOL	2	EA	SIGNAL CABINET FOUNDATION		
201	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****) (HIGHLY REFLECTIVE ELEMENTS)	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)		
1,814	M	POLYUREA PAVEMENT MARKING LINES (150MM, *****) (HIGHLY REFLECTIVE ELEMENTS)	8	EA	DETECTOR CARD (TYPE 2070L)		
			2	EA	CABINET BASE EXTENDER		
14	M	POLYUREA PAVEMENT MARKING LINES (200MM, *****) (HIGHLY REFLECTIVE ELEMENTS)			***** BEGIN SCHEDULE AA ***** ***** ( 3 ALTERNATES ) *****		
210	M	POLYUREA PAVEMENT MARKING LINES (300MM, *****) (HIGHLY REFLECTIVE ELEMENTS)	1,911.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
5,408	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	555.6	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
96	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	705.6	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
108	EA	PERMANENT RAISED PAVEMENT MARKERS	363.6	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
885	EA	SNOWPLOWABLE PAVEMENT MARKERS			*** OR ***		
44	EA	FLEXIBLE DELINEATORS (CRYSTAL)	144	M	GENERIC PIPE ITEM 375MM HDPE PIPE CULVERTS		
52	EA	FLEXIBLE DELINEATORS (YELLOW)	190.8	M	GENERIC PIPE ITEM 450MM HDPE PIPE CULVERTS		
Lump Sum	LS	PORTABLE LIGHTING	140.4	M	GENERIC PIPE ITEM 600MM HDPE PIPE CULVERTS		
122	M	ABANDON 200MM UTILITY PIPE	112.8	M	GENERIC PIPE ITEM 750MM HDPE PIPE CULVERTS		
1	EA	ABANDON UTILITY MANHOLE	1,767.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
32,800	M	TEMPORARY SILT FENCE	364.8	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
4,550	MTN	STONE FOR EROSION CONTROL, CLASS A	565.2	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
20,700	MTN	STONE FOR EROSION CONTROL, CLASS B	250.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
11,450	MTN	SEDIMENT CONTROL STONE			*** OR ***		
100	HA	TEMPORARY MULCHING	144	M	GENERIC PIPE ITEM 400MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
2,500	KG	SEED FOR TEMPORARY SEEDING	190.8	M	GENERIC PIPE ITEM 450MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
18	MTN	FERTILIZER FOR TEMPORARY SEED- ING	140.4	M	GENERIC PIPE ITEM 600MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
10,000	M	TEMPORARY SLOPE DRAINS	112.8	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK		
160	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	1,767.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
4,550	M	SAFETY FENCE	364.8	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
43,000	M3	SILT EXCAVATION	565.2	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
107,000	M2	MATting FOR EROSION CONTROL	250.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
700	M2	COIR FIBER MAT			*** OR ***		
3,850	M2	PERMANENT SOIL REINFORCEMENT MAT	144	M	GENERIC PIPE ITEM 400MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
1,060	M	6.4MM HARDWARE CLOTH	190.8	M	GENERIC PIPE ITEM 450MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
30	M	TEMPORARY PIPE FOR STREAM CROSSING	140.4	M	GENERIC PIPE ITEM 600MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
748	M3	STILLING BASINS	112.8	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK		
10	EA	SPECIAL STILLING BASINS	1,767.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
3,000	M	COIR FIBER WATTLE	364.8	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
3,000	KG	POLYACRYLAMIDE (PAM)	565.2	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
5,000	M	COIR FIBER BAFFLE	250.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
1	EA	***MM SKIMMER (102MM)			*** END SCHEDULE AA ***		
35	EA	***MM SKIMMER (38MM)					
11	EA	***MM SKIMMER (51MM)					
6	EA	***MM SKIMMER (64MM)					
2	EA	***MM SKIMMER (76MM)					
150	HA	SEEDING & MULCHING					
100	HA	MOWING					
4,050	KG	SEED FOR REPAIR SEEDING					
13.5	MTN	FERTILIZER FOR REPAIR SEEDING					
3,375	KG	SEED FOR SUPPLEMENTAL SEEDING					
200	MTN	FERTILIZER TOPDRESSING					
370	M	IMPERVIOUS DIKE					
250	MHR	SPECIALIZED HAND MOWING					
200	EA	RESPONSE FOR EROSION CONTROL					
850	M3	CULVERT DIVERSION CHANNEL					
1.5	HA	REFORESTATION					
480	M	SIGNAL CABLE					
16	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (22+70.320-L-POT)		
412	M	MESSANGER CABLE (9.52MM)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (30+73.000-L-)		
5	M	PAVED TRENCHING (***** (1, 50MM)	1,016	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT		
421	M	UNPAVED TRENCHING (***** (1, 50MM)	1,756.7	M3	CLASS A CONCRETE (CULVERT)		
9	M	UNPAVED TRENCHING (***** (2, 50MM)	118,018	KG	REINFORCING STEEL (CULVERT)		
16	EA	JUNCTION BOX (STANDARD SIZE)					



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

L110816 004

CONTRACT ID : C202648 34482.3.1

DIV OFFICE GREENSBORO

LENGTH = 3.797 MI

COUNTY : GUILFORD

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

DBE GOAL 12.0% COMPLETION DATE : NOV 01 2014

SR-1008 (W MARKET ST) FROM SR-2007 (BUNKER HILL RD) AT COLFAX TO NC-68 IN GREENSBORO.

## ROADWAY ITEMS

			171	CY	SUBDRAIN EXCAVATION
			85	CY	SUBDRAIN FINE AGGREGATE
			500	LF	6" PERFORATED SUBDRAIN PIPE
			1	EA	SUBDRAIN PIPE OUTLETS
			6	LF	6" OUTLET PIPE (SUBDRAINS)
			7	CY	PIPE COLLARS
			2	CY	PIPE PLUGS
			80	CY	FLOWABLE FILL
			241	EA	MASONRY DRAINAGE STRUCTURES
			4	CY	MASONRY DRAINAGE STRUCTURES
			88	LF	MASONRY DRAINAGE STRUCTURES
			48	EA	FRAME WITH TWO GRATES, STD 840.16
			2	EA	FRAME WITH TWO GRATES, STD 840.24
			10	EA	FRAME WITH TWO GRATES, STD 840.29
			17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			79	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			75	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			7	EA	FRAME WITH COVER, STD 840.54
			36	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
			580	LF	***X*** CONCRETE CURB (8" X 18")
			3,600	LF	***.*** CONCRETE CURB & GUTTER (2'-9")
			12,130	LF	1'-6" CONCRETE CURB & GUTTER
			38,850	LF	2'-6" CONCRETE CURB & GUTTER
			17,850	SY	4" CONCRETE SIDEWALK
			2,570	SY	6" CONCRETE DRIVEWAY
			8,810	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			116	EA	GENERIC PAVING ITEM CONCRETE CURB RAMPS
			3	EA	ADJUSTMENT OF CATCH BASINS
			2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
			1,350	LF	STEEL BM GUARDRAIL
			10	EA	ADDITIONAL GUARDRAIL POSTS
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			909	LF	REMOVE EXISTING GUARDRAIL
			100	LF	TEMPORARY STEEL BM GUARDRAIL
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
			1,000	LF	WOVEN WIRE FENCE, 47" FABRIC
			50	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			50	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			240	LF	CHAIN LINK FENCE, 48" FABRIC
			20	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
			4	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
			80	TON	RIP RAP, CLASS I
			430	TON	RIP RAP, CLASS B
			4,285	SY	FILTER FABRIC FOR DRAINAGE
			7	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			4,517	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			8	EA	SIGN ERECTION, TYPE D
			159	EA	SIGN ERECTION, TYPE E
			9	EA	SIGN ERECTION, TYPE F
			9	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
			11	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
	1	ACR			SUPPLEMENTARY CLEARING & GRUBBING
	915	CY			UNDERCUT EXCAVATION
	25	CY			DRAINAGE DITCH EXCAVATION
	670	SY			REMOVAL OF EXISTING ASPHALT PAVEMENT
	220	HR			PROOF ROLLING
	500	CY			SELECT GRANULAR MATERIAL
	350	TON			GENERIC GRADING ITEM EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL
	2,880	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRS
	7,540	SY			FOUNDATION CONDITIONING FABRIC
	1,800	LF			15" DRAINAGE PIPE
	516	LF			18" DRAINAGE PIPE
	364	LF			24" DRAINAGE PIPE
	92	LF			30" DRAINAGE PIPE
	92	LF			36" DRAINAGE PIPE
	4	EA			*** DRAINAGE PIPE ELBOWS (15")
	2	EA			*** DRAINAGE PIPE ELBOWS (30")
	12	LF			***** RC PIPE CULVERTS, CLASS IV (48")
	14,432	LF			15" RC PIPE CULVERTS, CLASS IV
	3,104	LF			18" RC PIPE CULVERTS, CLASS IV
	1,636	LF			24" RC PIPE CULVERTS, CLASS IV
	104	LF			30" RC PIPE CULVERTS, CLASS IV
	128	LF			42" RC PIPE CULVERTS, CLASS IV
	116	LF			*** CS PIPE CULVERTS, ***** THICK (30", 0.109")
	36	LF			*** CS PIPE CULVERTS, ***** THICK (36", 0.109")
	12	LF			*** CS PIPE CULVERTS, ***** THICK (54", 0.109")
	48	LF			18" CS PIPE CULVERTS, 0.064" THICK
	2	EA			*** CS PIPE ELBOWS, ***** THICK (30", 0.109")
	2	EA			*** CS PIPE ELBOWS, ***** THICK (36", 0.109")
	96	LF			*** WELDED STEEL PIPE, ***** THICK, GRADE ** IN SOIL (15", 0.5", B)
	32	LF			*** WELDED STEEL PIPE, ***** THICK, GRADE ** NOT IN SOIL (15", 0.5", B)
	6,350	LF			PIPE REMOVAL
Lump Sum	LS	FINE GRADING			
	500	TON			STABILIZER AGGREGATE
	5,000	TON			INCIDENTAL STONE BASE
	70,550	SY			MILLING ASPHALT PAVEMENT, ***** DEPTH (1-1/2")
	3,750	TON			ASPHALT CONC BASE COURSE, TYPE B25.0B
	3,450	TON			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
	29,160	TON			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
	5,240	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5B
	29,700	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5C
	500	TON			ASPHALT PLANT MIX, PAVEMENT REPAIR
	135	EA			RIGHT OF WAY MARKERS

			4,000	TON	STONE FOR EROSION CONTROL, CLASS A
			1,665	TON	STONE FOR EROSION CONTROL, CLASS B
122	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	5,070	TON	SEDIMENT CONTROL STONE
20	EA	DISPOSAL OF SUPPORT, U-CHANNEL	33	ACR	TEMPORARY MULCHING
1,913	SF	WORK ZONE SIGNS (STATIONARY)	1,100	LB	SEED FOR TEMPORARY SEEDING
1,887	SF	WORK ZONE SIGNS (PORTABLE)	5.5	TON	FERTILIZER FOR TEMPORARY SEEDING
790	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	500	LF	TEMPORARY SLOPE DRAINS
4	EA	FLASHING ARROW PANELS, TYPE C	10	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
4	EA	CHANGEABLE MESSAGE SIGN	1,600	LF	SAFETY FENCE
36	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)	3,400	CY	SILT EXCAVATION
990	EA	DRUMS	59,000	SY	MATTING FOR EROSION CONTROL
50	EA	CONES	15	SY	COIR FIBER MAT
1,420	LF	BARRICADES (TYPE III)	21,000	LF	1/4" HARDWARE CLOTH
2,500	HR	FLAGGER	5	EA	SPECIAL STILLING BASINS
1	EA	TEMPORARY CRASH CUSHIONS	2,750	LF	COIR FIBER WATTLE
2	EA	TMIA	2,200	LB	POLYACRYLAMIDE (PAM)
670	LF	PORTABLE CONCRETE BARRIER	400	LF	COIR FIBER BAFFLE
670	LF	WATER FILLED BARRIER	1	EA	*** SKIMMER (1-1/2")
450	EA	SKINNY DRUM	33	ACR	SEEDING & MULCHING
15	EA	TUBULAR MARKERS (FIXED)	33	ACR	MOWING
14	EA	GENERIC TRAFFIC CONTROL ITEM WARNING FLAGS	600	LB	SEED FOR REPAIR SEEDING
981	EA	TEMPORARY RAISED PAVEMENT MARKERS	1.75	TON	FERTILIZER FOR REPAIR SEEDING
33,930	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	775	LB	SEED FOR SUPPLEMENTAL SEEDING
35,048	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	23	TON	FERTILIZER TOPDRESSING
6,226	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	430	LF	IMPERVIOUS DIKE
2,380	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	25	MHR	SPECIALIZED HAND MOWING
400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)	150	EA	RESPONSE FOR EROSION CONTROL
1,433	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	0.25	ACR	REFORESTATION
49	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	12,950	LF	SIGNAL CABLE
264	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	8	EA	VEHICLE SIGNAL HEAD (12", 1 SECTION)
432,649	LF	PAINT PAVEMENT MARKING LINES (4")	67	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1,500	LF	PAINT PAVEMENT MARKING LINES (6")	17	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
1,490	LF	PAINT PAVEMENT MARKING LINES (8")	13	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
7,130	LF	PAINT PAVEMENT MARKING LINES (12")	10,320	LF	MESSENGER CABLE (1/4")
260	LF	PAINT PAVEMENT MARKING LINES (16")	5,780	LF	MESSENGER CABLE (3/8")
3,343	LF	PAINT PAVEMENT MARKING LINES (24")	2,700	LF	TRACER WIRE
52	EA	PAINT PAVEMENT MARKING CHARACTER	220	LF	PAVED TRENCHING (***** (1, 2"))
783	EA	PAINT PAVEMENT MARKING SYMBOL	5,720	LF	UNPAVED TRENCHING (***** (1, 2"))
46,981	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	1,400	LF	DIRECTIONAL DRILL (***** (1, 2"))
1,812	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	46	EA	JUNCTION BOX (STANDARD SIZE)
40	LF	REMOVAL OF PAVEMENT MARKING LINES (12")	12	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
798	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	22	EA	WOOD POLE
126	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	50	EA	GUY ASSEMBLY
1,244	EA	PERMANENT RAISED PAVEMENT MARKERS	14	EA	1" RISER WITH WEATHERHEAD
95	LF	6" WATER LINE	52	EA	2" RISER WITH WEATHERHEAD
216	LF	8" WATER LINE	5	EA	2" RISER WITH HEAT SHRINK TUBING
2,074	LF	12" WATER LINE	12,500	LF	INDUCTIVE LOOP SAWCUT
346	LF	16" WATER LINE	28,040	LF	LEAD-IN CABLE (***** (14-2))
1	EA	8" VALVE	13,500	LF	COMMUNICATIONS CABLE (**FIBER) (24)
7	EA	12" VALVE	3,400	LF	DROP CABLE
2	EA	16" VALVE	6	EA	SPLICE ENCLOSURE
1	EA	2" BLOW OFF	5	EA	INTERCONNECT CENTER
6	EA	RELOCATE WATER METER	10	EA	DELINEATOR MARKER
1	EA	*** DCV BACK-FLOW PREVENTOR (3/4")	8,250	LF	REMOVE EXISTING COMMUNICATIONS CABLE
3	EA	FIRE HYDRANT	5	EA	CABLE TRANSFER
29	EA	RELOCATE FIRE HYDRANT	28	EA	METAL STRAIN SIGNAL POLE
1,729	LF	6" FORCE MAIN SEWER	28	EA	SOIL TEST
2	EA	SANITARY SEWER CLEAN-OUT	224	CY	DRILLED PIER FOUNDATION
1	EA	4" DIA UTILITY MANHOLE	22	EA	SIGN FOR SIGNALS
1,155	LF	ABANDON 12" UTILITY PIPE	4	EA	LED BLANKOUT SIGN
41	LF	12" ENCASEMENT PIPE	6	EA	SIGNAL CABINET FOUNDATION
1	EA	GENERIC UTILITY ITEM BREAKDOWN AND CAP MANHOLE	6	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
75,000	LF	TEMPORARY SILT FENCE	36	EA	DETECTOR CARD (TYPE 2070L)
			6	EA	CABINET BASE EXTENDER
			2	EA	BEACON CONTROLLER ASSEMBLY & CABINET (***** (TYPE F1))
			1	EA	BEACON CONTROLLER ASSEMBLY & CABINET (***** (TYPE F2))
			3	EA	TRAFFIC SIGNAL REMOVAL
			1	EA	GENERIC SIGNAL ITEM
			1,480	SF	MODIFY RADIO INSTALLATION SOLDIER PILE RETAINING WALLS





FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110816 005

CONTRACT ID : C202439 33783.3.1

DIV OFFICE ABERDEEN

LENGTH = 0.147 MI

COUNTY : MONTGOMERY

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER DENSONS CREEK AND APPROACHES ON SR-1323.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (17+17.50 -L-)
85	CY	SHALLOW UNDERCUT
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
250	CY	UNDERCUT EXCAVATION
160	TON	CLASS IV SUBGRADE STABILIZATION
250	SY	FABRIC FOR SOIL STABILIZATION
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
35	SY	FOUNDATION CONDITIONING FABRIC
52	LF	15" DRAINAGE PIPE
4	EA	*** DRAINAGE PIPE ELBOWS (15")
44	LF	15" RC PIPE CULVERTS, CLASS III
75	TON	INCIDENTAL STONE BASE
290	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
320	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
35	TON	ASPHALT BINDER FOR PLANT MIX
12	EA	RIGHT OF WAY MARKERS
56	CY	SUBDRAIN EXCAVATION
42	CY	SUBDRAIN FINE AGGREGATE
250	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLETS
6	LF	6" OUTLET PIPE (SUBDRAINS)
3	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.24
2	EA	FRAME WITH TWO GRATES, STD 840.29
273	LF	SHOULDER BERM GUTTER
275	LF	STEEL BM GUARDRAIL
3	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
3	TON	RIP RAP, CLASS B
765	SY	FILTER FABRIC FOR DRAINAGE
50	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
6	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
265	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
80	LF	BARRICADES (TYPE III)
6,080	LF	PAINT PAVEMENT MARKING LINES (4")
9	EA	PERMANENT RAISED PAVEMENT MARKERS
1,075	LF	TEMPORARY SILT FENCE
250	TON	STONE FOR EROSION CONTROL, CLASS A
125	TON	STONE FOR EROSION CONTROL, CLASS B
185	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
140	CY	SILT EXCAVATION
4,000	SY	MATTING FOR EROSION CONTROL

375	SY	PERMANENT SOIL REINFORCEMENT MAT
275	LF	1/4" HARDWARE CLOTH
4	EA	SPECIAL STILLING BASINS
80	LF	WATTLE
40	LB	POLYACRYLAMIDE (PAM)
105	LF	COIR FIBER BAFFLE
1	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (17+17.50 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+17.50 -L-)
22	LF	3'-0" DIA DRILLED PIERS IN SOIL
30	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
16	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
2	EA	SPT TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (17+17.50 -L-)
53.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+17.50 -L-)
11,625	LB	REINFORCING STEEL (BRIDGE)
1,072	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
150	LF	HP12X53 STEEL PILES
10	EA	STEEL PILE POINTS
325.5	LF	VERTICAL CONCRETE BARRIER RAIL
395	TON	RIP RAP CLASS II (2'-0" THICK)
440	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,626.25	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
1	EA	GENERIC STRUCTURE ITEM CSL TESTING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110816 006

CONTRACT ID : C202438 33732.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.142 MI

COUNTY : DAVIDSON

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER US-29/70 AND I-85 BUS AND APPROACHES ON SR-1792.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+88.20)
175	CY	SHALLOW UNDERCUT
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
200	CY	UNDERCUT EXCAVATION
350	TON	CLASS IV SUBGRADE STABILIZA- TION
60	CY	DRAINAGE DITCH EXCAVATION
600	SY	FABRIC FOR SOIL STABILIZATION
1,100	SF	TEMPORARY SHORING
60	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
190	SY	FOUNDATION CONDITIONING FABRIC
236	LF	15" SIDE DRAIN PIPE
104	LF	18" SIDE DRAIN PIPE
92	LF	15" RC PIPE CULVERTS, CLASS III
80	LF	18" RC PIPE CULVERTS, CLASS III
44	LF	15" CS PIPE CULVERTS, 0.064" THICK
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
85	LF	PIPE REMOVAL
200	TON	INCIDENTAL STONE BASE
480	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
410	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
390	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
65	TON	ASPHALT BINDER FOR PLANT MIX
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
13	EA	RIGHT OF WAY MARKERS
56	CY	SUBDRAIN EXCAVATION
42	CY	SUBDRAIN FINE AGGREGATE
250	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLETS
6	LF	6" OUTLET PIPE (SUBDRAINS)
0.045	CY	PIPE PLUGS
7	EA	MASONRY DRAINAGE STRUCTURES
0.86	LF	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH GRATE, STD 840.29
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
760	LF	2'-6" CONCRETE CURB & GUTTER
110	SY	6" CONCRETE DRIVEWAY
84	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350
250	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77

597	LF	REMOVE EXISTING GUARDRAIL
80	TON	RIP RAP, CLASS I
1	TON	RIP RAP, CLASS B
590	SY	FILTER FABRIC FOR DRAINAGE
75	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
1	EA	SIGN ERECTION, TYPE D
4	EA	SIGN ERECTION, TYPE E
13	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
355	SF	WORK ZONE SIGNS (STATIONARY)
384	SF	WORK ZONE SIGNS (PORTABLE)
47	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW PANELS, TYPE C
2	EA	CHANGEABLE MESSAGE SIGN
66	EA	DRUMS
112	LF	BARRICADES (TYPE III)
2	EA	TEMPORARY CRASH CUSHIONS
2	EA	RESET TEMPORARY CRASH CUSHIONS
2	EA	TMIA
470	LF	PORTABLE CONCRETE BARRIER
470	LF	RESET PORTABLE CONCRETE BAR- RIER
847	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,124	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
564	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
1,892	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
9	EA	PERMANENT RAISED PAVEMENT MARKERS
1,200	LF	TEMPORARY SILT FENCE
270	TON	STONE FOR EROSION CONTROL, CLASS A
215	TON	STONE FOR EROSION CONTROL, CLASS B
125	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
50	LF	SAFETY FENCE
360	CY	SILT EXCAVATION
2,500	SY	MATTING FOR EROSION CONTROL
10	SY	COIR FIBER MAT
300	LF	1/4" HARDWARE CLOTH
10	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLE
1	EA	*** SKIMMER (1-1/2")
1.5	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
15	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (21+88.20-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1, 21+88.20-L-)

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 21+88.20-L-)
1	EA	PDA TESTING
1	EA	PDA ASSISTANCE
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (21+88.20-L-)
5,667	SF	GROOVING BRIDGE FLOORS
207	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (21+88.20-L-)
21,124	LB	REINFORCING STEEL (BRIDGE)
865	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
175	LF	HP12X53 STEEL PILES
10	EA	STEEL PILE POINTS
335.5	LF	TWO BAR METAL RAIL
665	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
350.56	LF	GENERIC STRUCTURE ITEM 1'-2" X 2'-6" CONCRETE PARAPET (ALL LIGHTWEIGHT CONCRETE)
694.7	LF	GENERIC STRUCTURE ITEM 45" PRESTRESSED CONCRETE GIRDE R (SAND LIGHTWEIGHT CONCRETE)
6,065	SF	GENERIC STRUCTURE ITEM REINFORCED CONCRETE DECK SLAB (ALL LIGHTWEIGHT CONCRETE)

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

L110816 007

CONTRACT ID : C202802 45493.3.1

DIV OFFICE SHELBY

LENGTH = 14.700 MI

COUNTY : IREDELL, CATAWBA

GRADING, DIAMOND GRINDING, MILLING, PAVING &amp; SLAB REMOVAL.

DBE GOAL 6.0% COMPLETION DATE : SEP 01 2012

I-40 FROM NC-16 BUS IN CATAWBA COUNTY TO SR-1753 IN IREDELL COUNTY.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	1,000	LF	WATTLE
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			
8,700	CY	UNCLASSIFIED EXCAVATION			
2,600	CY	UNDERCUT EXCAVATION			
2,500	CY	BORROW EXCAVATION			
350	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT			
1,700	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT			
8,000	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT SLABS			
8,000	SY	FABRIC FOR SOIL STABILIZATION			
Lump Sum	LS	FINE GRADING			
200	TON	STABILIZER AGGREGATE			
5,210	TON	AGGREGATE BASE COURSE			
2,400	TON	INCIDENTAL STONE BASE			
12	SMI	SHOULDER RECONSTRUCTION			
27,444	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")			
4,000	SY	INCIDENTAL MILLING			
15,310	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
390	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
13,030	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
36,549	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D			
1,461	TON	ASPHALT BINDER FOR PLANT MIX			
3,021	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX			
2,000	TON	PATCHING EXISTING PAVEMENT			
1,100	SF	PATCHING CONCRETE PAVEMENT SPALLS			
18,045	TON	ULTRATHIN HOT MIX ASPHALT, TYPE B			
515,572	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT			
310,464	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)			
232,922	SY	GENERIC PAVING ITEM DIAMOND GRINDING PORT CEM CONC PAVEMENT			
1,300	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
11	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
26	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL			
160	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
9	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
830,000	LF	PAINT PAVEMENT MARKING LINES (6")			
35,100	LF	PAINT PAVEMENT MARKING LINES (12")			
320	LF	PAINT PAVEMENT MARKING LINES (24")			
6	EA	PAINT PAVEMENT MARKING SYMBOL			
398,508	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)			
16,700	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)			
3,100	EA	SNOWPLOWABLE PAVEMENT MARKERS			
Lump Sum	LS	PORTABLE LIGHTING			
1,200	LF	TEMPORARY SILT FENCE			

**FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID****L110816 008****CONTRACT ID : C202723 46132.3.1****DIV OFFICE ASHEVILLE****LENGTH = 9.500 MI****COUNTY : BUNCOMBE****WIDENING, PAVING, AND SHOULDER RECONSTRUCTION.****DBE GOAL 6.0% COMPLETION DATE : JUN 30 2112****NC-197 FROM US-19/23 (FUTURE I-26) TO 0.1 MILE WEST OF SR-2172 (DODD ST).****ROADWAY ITEMS**

Lump Sum	LS	MOBILIZATION
475	TON	INCIDENTAL STONE BASE
19	SMI	SHOULDER RECONSTRUCTION
720	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")
7,890	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
15,470	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,276	TON	ASPHALT BINDER FOR PLANT MIX
190	TON	PATCHING EXISTING PAVEMENT
100,320	LF	PAINT PAVEMENT MARKING LINES (4")
200,640	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
627	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,780	LF	TEMPORARY SILT FENCE
340	LF	WATTLE
5.9	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110816 009

CONTRACT ID : C202323 32919.3.1

DIV OFFICE SYLVA

LENGTH = 0.099 MI

COUNTY : HAYWOOD

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : AUG 15 2013

BRIDGE OVER WEST FORK PIGEON RIVER AND APPROACHES ON SR-1112 (CHAMBER FARM LANE).

ROADWAY ITEMS

			50	EA	SKINNY DRUM	
			80	EA	TEMPORARY RAISED PAVEMENT MARKERS	
Lump Sum	LS	MOBILIZATION	23,642	LF	PAINT PAVEMENT MARKING LINES (4")	
Lump Sum	LS	CONSTRUCTION SURVEYING	4,230	LF	PAINT PAVEMENT MARKING LINES (6")	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+30.50)	104	LF	PAINT PAVEMENT MARKING LINES (24")	
100	CY	SHALLOW UNDERCUT	44	LF	GENERIC UTILITY ITEM 12" STEEL ENCASEMENT PIPE	
Lump Sum	LS	GRADING	1,775	LF	TEMPORARY SILT FENCE	
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	500	TON	STONE FOR EROSION CONTROL, CLASS A	
150	TON	CLASS IV SUBGRADE STABILIZATION	100	TON	STONE FOR EROSION CONTROL, CLASS B	
6	CY	DRAINAGE DITCH EXCAVATION	175	TON	SEDIMENT CONTROL STONE	
100	CY	SELECT GRANULAR MATERIAL	1.5	ACR	TEMPORARY MULCHING	
275	SY	FABRIC FOR SOIL STABILIZATION	100	LB	SEED FOR TEMPORARY SEEDING	
39	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	1.25	TON	FERTILIZER FOR TEMPORARY SEEDING	
125	SY	FOUNDATION CONDITIONING FABRIC	200	LF	TEMPORARY SLOPE DRAINS	
48	LF	15" DRAINAGE PIPE	4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	
224	LF	18" DRAINAGE PIPE	1,130	LF	SAFETY FENCE	
92	LF	15" SIDE DRAIN PIPE	750	CY	SILT EXCAVATION	
66	LF	PIPE REMOVAL	10,000	SY	MATTING FOR EROSION CONTROL	
95	TON	AGGREGATE BASE COURSE	30	SY	COIR FIBER MAT	
750	TON	INCIDENTAL STONE BASE	200	SY	PERMANENT SOIL REINFORCEMENT MAT	
70	GAL	PRIME COAT	450	LF	1/4" HARDWARE CLOTH	
855	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	30	LB	POLYACRYLAMIDE (PAM)	
345	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	375	LF	COIR FIBER BAFFLE	
630	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	3	EA	*** SKIMMER (1-1/2")	
95	TON	ASPHALT BINDER FOR PLANT MIX	1.5	ACR	SEEDING & MULCHING	
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	1.5	ACR	MOWING	
23	CY	SUBDRAIN EXCAVATION	50	LB	SEED FOR REPAIR SEEDING	
17	CY	SUBDRAIN FINE AGGREGATE	0.25	TON	FERTILIZER FOR REPAIR SEEDING	
100	LF	6" PERFORATED SUBDRAIN PIPE	50	LB	SEED FOR SUPPLEMENTAL SEEDING	
1	EA	SUBDRAIN PIPE OUTLETS	1.5	TON	FERTILIZER TOPDRESSING	
6	LF	6" OUTLET PIPE (SUBDRAINS)	10	MHR	SPECIALIZED HAND MOWING	
4	EA	MASONRY DRAINAGE STRUCTURES	18	EA	RESPONSE FOR EROSION CONTROL	
2	EA	FRAME WITH TWO GRATES, STD 840.24	0.25	ACR	REFORESTATION	
2	EA	FRAME WITH TWO GRATES, STD 840.29				
15	SY	GENERIC PAVING ITEM 6" CONCRETE DRIVEWAYS				
25	LF	STEEL BM GUARDRAIL				
75	LF	STEEL BM GUARDRAIL, SHOP CURVED	49	LF	PILE EXCAVATION IN SOIL	
5	EA	ADDITIONAL GUARDRAIL POSTS	102	LF	PILE EXCAVATION NOT IN SOIL	
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III SHOP CURVED)	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (11+30.50-L-)	
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	4,435	SF	REINFORCED CONCRETE DECK SLAB	
10	EA	GENERIC GUARDRAIL ITEM TIMBER BOLLARDS	4,105	SF	GROOVING BRIDGE FLOORS	
520	LF	BARBED WIRE FENCE RESET	36.6	CY	CLASS A CONCRETE (BRIDGE)	
630	LF	GENERIC FENCING ITEM WOODEN FENCE RESET	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+30.50-L-)	
85	TON	RIP RAP, CLASS 1	5,482	LB	REINFORCING STEEL (BRIDGE)	
5	TON	RIP RAP, CLASS B	342,600	LS	APPROX ..... LBS STRUCTURAL STEEL	
775	SY	FILTER FABRIC FOR DRAINAGE	430	LF	HP12X53 STEEL PILES	
39	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	299	LF	ONE BAR METAL RAIL	
3	EA	SIGN ERECTION, TYPE E	314	LF	1'-**X ***** CONCRETE PARAPET (1'-0" X 1'-6")	
9	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	Lump Sum	LS	EVAZOTE JOINT SEALS	
639	SF	WORK ZONE SIGNS (STATIONARY)	Lump Sum	LS	GENERIC STRUCTURE ITEM REHABILITATION OF EXISTING STRUCTURE	
386	SF	WORK ZONE SIGNS (PORTABLE)				
152	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)				
98	EA	DRUMS				
30	EA	CONES				
164	LF	BARRICADES (TYPE III)				
2,760	HR	FLAGGER				
100	LF	WATER FILLED BARRIER				

STRUCTURE ITEMS

