



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

March 19, 2013

MEMORANDUM TO: All Prequalified Contractors

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

A handwritten signature in black ink, appearing to read "R. A. Garris", written over the printed name.

SUBJECT: Upgrade to Expedite 5.11a

Please be advised that effective with the April 16, 2013 bid letting, the North Carolina Department of Transportation will be upgrading from Expedite 5.9b to Expedite 5.11a.

This new version of software will be available for download from either the NC Department of Transportation or the Bid Express web site. The links are listed below. **Before upgrading your software, please ensure you have backed up your digital id.** If you have not done so, this can be accomplished through the Tools menu under Digital ID's. It is recommended you then uninstall the Expedite 5.9b version to ensure no confusion in the future. Once you have installed Expedite 5.11a, you need to enter in your Bidder Information and Agency ID. The digital id backup file you created in the previous version will also need to be imported back in through the Tools menu under Digital ID's. If you do not feel comfortable with any of this procedure, please do not hesitate to contact the Bid Express helpdesk at (352) 381-4888 to have them walk you through this upgrade. The staff in the Contract Standards & Development Unit is also available for any further questions you may have concerning this transition at (919) 707-6900.

Bid Express

<http://www.bidx.com>

NC Department of Transportation

<https://connect.ncdot.gov/letting/Pages/EBS-Information.aspx>

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.gov

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



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

January 22, 2013

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: <https://connect.ncdot.gov/resources/Specifications/Pages/2006-Roadway-Drawings.aspx>

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: <https://connect.ncdot.gov/letting/Pages/Order-Publications.aspx>

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.GOV

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

UPDATED January 22, 2013

TIP#	DIVISION	COUNTY	DESCRIPTION	TENTATIVE LET DATE
R-2241A	5	PERSON	US 501 FROM NC 49 IN ROXBORO TO SR 1602	APRIL 16, 2013

**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 16, 2013 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
<https://connect.ncdot.gov/letting/Pages/>.

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 MARCH 19, 2013.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 14Jul2011)

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.

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Fussell, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	John W Rouse, 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	Richard W Hancock, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	Louis L Mitchell, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
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 L130416

RPN	Contract Id	WBS	County	Length	JobType
001	C203088	33772.3.1	JOHNSTON	0.180 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
002	C202960	34406.3.2	PERSON	6.966 KM	WIDENING, GRADING, DRAINAGE, PAVING, C&G, SIGNALS & CULVERTS
003	C203091	39978.3.1	WAKE	0.288 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.
004	C203327	45335.3.13 ETC.	WAKE	2.223 MI	MILLING, RESURFACING, MONLITHIC ISLAND, & SHOULDER GRADING.
005	C203090	38576.3.1	ROCKINGHAM	0.088 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
006	C203326	7C.041246 ETC.	GUILFORD	10.485 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
007	C203323	7C.041249 ETC.	GUILFORD, ROCKINGHAM	4.974 MI	WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.
008	C203121	41665.6A	ROWAN, DAVIDSON	0.000 MI	BRIDGE PRESERVATION
009	C203093	34408.3.5	CABARRUS	3.237 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
010	C203322	10CR.10041.44 ET	ANSON	11.950 MI	WIDENING, MILLING, RESURFACING AND SHOULDER RECONSTRUCTION.
011	C203145	50000.3.STR02T4E	CABARRUS	0.549 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.
*012	C203146	50000.3.STR04T4E	CABARRUS	0.472 MI	GRADING, DRAINAGE, PAVING, C&G, SIGNALS, AND STRUCTURE.
013	C202810	33662.3.1	WILKES	0.127 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
014	C203089	38489.3.1	BUNCOMBE	0.072 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
015	C203092	41536.3.1	TRANSYLVANIA	0.093 MI	GRADING, DRAINAGE, PAVING AND CULVERT.

Bid Letting Number L130521

RPN	Contract Id	WBS	County	Length	JobType
001	C202947	34416.3.3	CUMBERLAND	6.807 MI	GRADING, DRAINAGE, PAVING & SIGNALS.
002	C203087	34416.3.4	CUMBERLAND, SAMPSON	6.699 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
003	C203332	34416.3.3 ETC.	CUMBERLAND, SAMPSON	13.506 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.

* MANDATORY PRE-BID CONFERENCE - THURSDAY, MARCH 28, 2013 AT 10:00AM
TMC BUILDING
2327 TIPTON DRIVE
CHARLOTTE, NC 28206
(704)983-4400

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 001

CONTRACT ID : C203088 33772.3.1

DIV OFFICE WILSON

LENGTH = 0.180 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE : NOV 27 2014

BRIDGE #147 OVER SWIFT CREEK AND #326 OVER MILL BRANCH CREEK ON SR-1525 (CORNWALLIS RD).

ROADWAY ITEMS

			2	EA	6" VALVE	
			2	EA	8" VALVE	
			2	EA	12" VALVE	
Lump Sum	LS	MOBILIZATION	721	LF	6" FORCE MAIN SEWER	
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (13+56.00)	726	LF	12" FORCE MAIN SEWER	
			708	LF	ABANDON 6" UTILITY PIPE	
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (14+78.00)	572	LF	ABANDON 8" UTILITY PIPE	
			713	LF	ABANDON 12" UTILITY PIPE	
Lump Sum	LS	GRADING	290	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL	
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	290	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL	
450	CY	UNDERCUT EXCAVATION	487	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL	
450	CY	SELECT GRANULAR MATERIAL	487	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL	
450	SY	GEOTEXTILE FOR SOIL STABILIZATION	2,675	LF	TEMPORARY SILT FENCE	
78.33	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	450	TON	STONE FOR EROSION CONTROL, CLASS A	
154.82	SY	FOUNDATION CONDITIONING GEOTEXTILE	85	TON	STONE FOR EROSION CONTROL, CLASS B	
108	LF	15" DRAINAGE PIPE	260	TON	SEDIMENT CONTROL STONE	
28	LF	18" DRAINAGE PIPE	2	ACR	TEMPORARY MULCHING	
60	LF	24" DRAINAGE PIPE	100	LB	SEED FOR TEMPORARY SEEDING	
60	LF	PIPE REMOVAL	0.5	TON	FERTILIZER FOR TEMPORARY SEEDING	
100	TON	INCIDENTAL STONE BASE	400	LF	TEMPORARY SLOPE DRAINS	
300	SY	INCIDENTAL MILLING	900	LF	SAFETY FENCE	
550	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	220	CY	SILT EXCAVATION	
85	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	5,300	SY	MATTING FOR EROSION CONTROL	
605	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1,365	SY	COIR FIBER MAT	
65	TON	ASPHALT BINDER FOR PLANT MIX	250	SY	PERMANENT SOIL REINFORCEMENT MAT	
21	EA	RIGHT OF WAY MARKERS	435	LF	1/4" HARDWARE CLOTH	
22.4	CY	SUBDRAIN EXCAVATION	60	SY	FLOATING TURBIDITY CURTAIN	
16.8	CY	SUBDRAIN FINE AGGREGATE	6	EA	SPECIAL STILLING BASINS	
100	LF	6" PERFORATED SUBDRAIN PIPE	200	LF	COIR FIBER WATTLE	
1	EA	SUBDRAIN PIPE OUTLET	65	LB	POLYACRYLAMIDE (PAM)	
6	LF	6" OUTLET PIPE	2	ACR	SEEDING & MULCHING	
4	EA	MASONRY DRAINAGE STRUCTURES	1	ACR	MOWING	
3	LF	MASONRY DRAINAGE STRUCTURES	100	LB	SEED FOR REPAIR SEEDING	
3	EA	FRAME WITH TWO GRATES, STD 840.29	0.5	TON	FERTILIZER FOR REPAIR SEEDING	
1	EA	FRAME WITH COVER, STD 840.54	100	LB	SEED FOR SUPPLEMENTAL SEEDING	
60	LF	SHOULDER BERM GUTTER	1.5	TON	FERTILIZER TOPDRESSING	
387.5	LF	STEEL BM GUARDRAIL	20	MHR	SPECIALIZED HAND MOWING	
10	EA	ADDITIONAL GUARDRAIL POSTS	36	EA	RESPONSE FOR EROSION CONTROL	
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III	0.2	ACR	REFORESTATION	
8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350				
5	TON	RIP RAP, CLASS I				
140	TON	RIP RAP, CLASS B				
1,710	SY	GEOTEXTILE FOR DRAINAGE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+56.00-L-)	
3	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+78.00-L-)	
26	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	1	EA	PDA TESTING	
2	EA	SIGN ERECTION, TYPE E	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (13+56.00-L-)	
8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (14+78.00-L-)	
1,108	SF	WORK ZONE SIGNS (STATIONARY)	6,268	SF	CONCRETE WEARING SURFACE	
96	SF	WORK ZONE SIGNS (PORTABLE)	7,145	SF	GROOVING BRIDGE FLOORS	
295	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	75.4	CY	CLASS A CONCRETE (BRIDGE)	
100	EA	CONES	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+56.00-L-)	
208	LF	BARRICADES (TYPE III)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+78.00-L-)	
400	HR	FLAGGER				
1,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)				
1,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+56.00-L-)	
1,800	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+78.00-L-)	
10	LF	8" WATER LINE	12,366	LB	REINFORCING STEEL (BRIDGE)	
600	LF	12" WATER LINE	1,170	LF	HP12X53 STEEL PILES	
			720	LF	HP14X73 GALVANIZED STEEL PILES	

STRUCTURE ITEMS

16	EA	PILE REDRIVES
542.25	LF	VERTICAL CONCRETE BARRIER RAIL
890	TON	RIP RAP CLASS II (2'-0" THICK)
985	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
1,286.25	LF	3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS
2,220	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS
77	LF	GENERIC STRUCTURE ITEM 3'-0" X 2'-6" PRESTR CONC BENT CAPS
2,500	DOL	CONTRACT TIME

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 002

CONTRACT ID : C202960 34406.3.2

DIV OFFICE DURHAM

LENGTH = 6.966 KM

COUNTY : PERSON

WIDENING, GRADING, DRAINAGE, PAVING, C&G, SIGNALS & CULVERTS

DBE GOAL 12.0% COMPLETION DATE : MAY 13 2016

US-501 FROM NC-49 IN ROXBORO TO SR-1602.

ROADWAY ITEMS		Lump Sum	LS	
				FINE GRADING
		60	MTN	#57 STONE
		500	MTN	STABILIZER AGGREGATE
		2,000	MTN	INCIDENTAL STONE BASE
		9,230	M3	SHOULDER BORROW
		15,531	L	PRIME COAT
		980	M2	INCIDENTAL MILLING
		100	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR
		225	EA	RIGHT OF WAY MARKERS
		2,070	M3	SUBDRAIN EXCAVATION
		1,035	M3	SUBDRAIN FINE AGGREGATE
		2,500	M	150MM PERFORATED SUBDRAIN PIPE
		17	EA	SUBDRAIN PIPE OUTLETS
		34	M	150MM OUTLET PIPE (SUBDRAINS)
		10	MTN	BLOTTING SAND
		40.6	M3	ENDWALLS
		26.7	M3	REINFORCED ENDWALLS
		0.29	M3	PIPE COLLARS
		0.22	M3	PIPE PLUGS
		23	M3	FLOWABLE FILL
		195	EA	MASONRY DRAINAGE STRUCTURES
		3.1	M3	MASONRY DRAINAGE STRUCTURES
		15.97	M	MASONRY DRAINAGE STRUCTURES
		1	EA	FRAME WITH GRATE, STD 840.24
		10	EA	FRAME WITH TWO GRATES, STD 840.16
		10	EA	FRAME WITH TWO GRATES, STD 840.20
		81	EA	FRAME WITH TWO GRATES, STD 840.22
		16	EA	FRAME WITH TWO GRATES, STD 840.24
		10	EA	FRAME WITH TWO GRATES, STD 840.29
		6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
		32	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
		25	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
		3	EA	FRAME WITH COVER, STD 840.54
		3	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
		350	M	*** X ***MM CONCRETE CURB (200MM X 450MM)
		3,860	M	750MM CONCRETE CURB & GUTTER
		521	M	SHOULDER BERM GUTTER
		70	M	CONCRETE EXPRESSWAY GUTTER
		1,000	M2	150MM CONCRETE DRIVEWAY
		50	M2	100MM CONCRETE PAVED DITCH
		1,760	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
		1,824.99	M	STEEL BM GUARDRAIL
		19.05	M	STEEL BM GUARDRAIL, SHOP CURVED
		10	EA	ADDITIONAL GUARDRAIL POSTS
		13	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
		19	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
		140.97	M	TEMPORARY STEEL BM GUARDRAIL
		11,330	M	WOVEN WIRE FENCE, 1200MM FABRIC
		2,310	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
		650	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
		49	M	CHAIN LINK FENCE, ****MM FABRIC (1800MM)
		14	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (1800MM)
		175	M	ADDITIONAL BARBED WIRE
Lump Sum	LS			MOBILIZATION
Lump Sum	LS			CONSTRUCTION SURVEYING
Lump Sum	LS			CLEARING & GRUBBING .. HECTARE(S)
1.2	HA			SUPPLEMENTARY CLEARING & GRUBBING
4	EA			SEALING ABANDONED WELLS
22,000	M3			UNDERCUT EXCAVATION
300	M3			SHALLOW UNDERCUT
700	MTN			CLASS IV SUBGRADE STABILIZATION
2,240	M3			DRAINAGE DITCH EXCAVATION
750	M			BERM DITCH CONSTRUCTION
6,380	M2			REMOVAL OF EXISTING ASPHALT PAVEMENT
40	HR			PROOF ROLLING
29,500	M3			SELECT GRANULAR MATERIAL
31,000	M2			FABRIC FOR SOIL STABILIZATION
233.2	M2			TEMPORARY SHORING
16,500	M2			GENERIC GRADING ITEM GEOTEXTILE FOR PAVEMENT STABILIZATION
2,500	MTN			GENERIC GRADING ITEM EXCAVATION, HAULING & DISPOSAL OF CONTAMINATED SOIL
2,250	MTN			FOUNDATION CONDITIONING MATERIAL, MINOR STRS
6,770	M2			FOUNDATION CONDITIONING FABRIC
31.2	M			***MM DRAINAGE PIPE (200MM)
2,202	M			375MM DRAINAGE PIPE
676.8	M			450MM DRAINAGE PIPE
685.2	M			600MM DRAINAGE PIPE
373.2	M			750MM DRAINAGE PIPE
229.2	M			900MM DRAINAGE PIPE
54	M			1050MM DRAINAGE PIPE
132	M			1200MM DRAINAGE PIPE
7	EA			****MM DRAINAGE PIPE ELBOWS (375MM)
6	EA			****MM DRAINAGE PIPE ELBOWS (450MM)
268.8	M			375MM SIDE DRAIN PIPE
14.4	M			450MM SIDE DRAIN PIPE
8.4	M			600MM SIDE DRAIN PIPE
20.4	M			****MM RC PIPE CULVERTS, CLASS ***** (375MM, V)
115.2	M			375MM RC PIPE CULVERTS, CLASS III
36	M			750MM RC PIPE CULVERTS, CLASS III
121.2	M			1350MM RC PIPE CULVERTS, CLASS III
79.2	M			****MM RC PIPE CULVERTS, CLASS IV (1500MM)
1,027.2	M			375MM RC PIPE CULVERTS, CLASS IV
462	M			450MM RC PIPE CULVERTS, CLASS IV
260.4	M			600MM RC PIPE CULVERTS, CLASS IV
45.6	M			750MM RC PIPE CULVERTS, CLASS IV
126	M			900MM RC PIPE CULVERTS, CLASS IV
13.2	M			****MM WELDED STEEL PIPE, ****MM THICK, GRADE B (UNDER RR) (600MM, 12MM)
135.6	M			GENERIC PIPE ITEM 375MM DUCTILE IRON PIPE
2	EA			GENERIC PIPE ITEM ENERGY DISSIPATOR BASIN
869.6	M			PIPE REMOVAL

			18.6	M	UTILITY MANHOLE WALL, 1500MM DIA
			71	M	ABANDON ***MM UTILITY PIPE (375MM)
38	MTN	RIP RAP, CLASS I	406	M	ABANDON 200MM UTILITY PIPE
425	MTN	RIP RAP, CLASS II	29	M	ABANDON 250MM UTILITY PIPE
1,454	MTN	RIP RAP, CLASS B	146	M	ABANDON 300MM UTILITY PIPE
13,385	M2	FILTER FABRIC FOR DRAINAGE	2	EA	ABANDON UTILITY MANHOLE
7	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	12	M	600MM ENCASEMENT PIPE
1	M3	PLAIN CONCRETE SIGN FOUNDATIONS	16	M	750MM ENCASEMENT PIPE
250	KG	SUPPORTS, BREAKAWAY STEEL BEAM	6	M	TRENCHLESS INSTALLATION OF 600MM IN SOIL
919	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL	6	M	TRENCHLESS INSTALLATION OF 600MM NOT IN SOIL
8	EA	SIGN ERECTION, TYPE D	8	M	TRENCHLESS INSTALLATION OF 750MM IN SOIL
117	EA	SIGN ERECTION, TYPE E	8	M	TRENCHLESS INSTALLATION OF 750MM NOT IN SOIL
37	EA	SIGN ERECTION, TYPE F	14,000	M	TEMPORARY SILT FENCE
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	12,500	MTN	STONE FOR EROSION CONTROL, CLASS A
3	EA	SIGN ERECTION, RELOCATE, TYPE *** (GROUND MOUNTED) (D)	7,500	MTN	STONE FOR EROSION CONTROL, CLASS B
9	EA	SIGN ERECTION, RELOCATE, TYPE *** (GROUND MOUNTED) (E)	6,250	MTN	SEDIMENT CONTROL STONE
101	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	60	HA	TEMPORARY MULCHING
7	EA	DISPOSAL OF SUPPORT, U-CHANNEL	2,425	KG	SEED FOR TEMPORARY SEEDING
314	M2	WORK ZONE SIGNS (STATIONARY)	20.25	MTN	FERTILIZER FOR TEMPORARY SEEDING
122	M2	WORK ZONE SIGNS (PORTABLE)	1,500	M	TEMPORARY SLOPE DRAINS
91	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	67	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
3	EA	FLASHING ARROW PANELS, TYPE C	50	M	SAFETY FENCE
2	EA	CHANGEABLE MESSAGE SIGN	42,500	M3	SILT EXCAVATION
150	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)	180,000	M2	MATTING FOR EROSION CONTROL
469	EA	DRUMS	1,100	M2	COIR FIBER MAT
264	M	BARRICADES (TYPE III)	3,500	M2	PERMANENT SOIL REINFORCEMENT MAT
4,800	HR	FLAGGER	3,250	M	6.4MM HARDWARE CLOTH
9	EA	TEMPORARY CRASH CUSHIONS	50	M	TEMPORARY PIPE FOR STREAM CROSSING
3	EA	RESET TEMPORARY CRASH CUSHIONS	40	M3	STILLING BASINS
3	EA	TMIA	2,100	M	COIR FIBER WATTLE
143	M	PORTABLE CONCRETE BARRIER	2,200	KG	POLYACRYLAMIDE (PAM)
594	M	PORTABLE CONCRETE BARRIER (ANCHORED)	4,000	M	COIR FIBER BAFFLE
110	M	RESET PORTABLE CONCRETE BARRIER (ANCHORED)	86	EA	***MM SKIMMER (38MM)
100	EA	SKINNY DRUM	40	HA	SEEDING & MULCHING
881	EA	TEMPORARY RAISED PAVEMENT MARKERS	20	HA	MOWING
79	M	THERMOPLASTIC PAVEMENT MARKING LINES (400MM, 3.1MM)	1,200	KG	SEED FOR REPAIR SEEDING
328	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	4	MTN	FERTILIZER FOR REPAIR SEEDING
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)	1,000	KG	SEED FOR SUPPLEMENTAL SEEDING
74,089	M	PAINT PAVEMENT MARKING LINES (100MM)	59	MTN	FERTILIZER TOPDRESSING
62	M	PAINT PAVEMENT MARKING LINES (400MM)	275	M	IMPERVIOUS DIKE
392	M	PAINT PAVEMENT MARKING LINES (600MM)	55	MHR	SPECIALIZED HAND MOWING
10	EA	PAINT PAVEMENT MARKING CHARACTER	150	EA	RESPONSE FOR EROSION CONTROL
82	EA	PAINT PAVEMENT MARKING SYMBOL	140	M3	CULVERT DIVERSION CHANNEL
5	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	4	HA	REFORESTATION
1,491	EA	SNOWPLOWABLE PAVEMENT MARKERS	0.1	HA	STREAMBANK REFORESTATION
8	EA	2.1M U-CHANNEL POSTS	1,750	M	SIGNAL CABLE
8	EA	OBJECT MARKERS (END OF ROAD)	30	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
163	M	150MM WATER LINE	7	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)
465	M	200MM WATER LINE	6	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
275	M	300MM WATER LINE	550	M	MESSENGER CABLE (9.52MM)
7	EA	150MM VALVE	20	M	PAVED TRENCHING (***** (1, 50MM)
11	EA	200MM VALVE	550	M	UNPAVED TRENCHING (***** (1, 50MM)
3	EA	300MM VALVE	12	EA	JUNCTION BOX (STANDARD SIZE)
1	EA	300MM TAPPING VALVE	4	EA	WOOD POLE
23	EA	RELOCATE WATER METER	8	EA	GUY ASSEMBLY
1	EA	RECONNECT WATER METER	3	EA	25MM RISER WITH WEATHERHEAD
4	EA	RELOCATE FIRE HYDRANT	14	EA	50MM RISER WITH WEATHERHEAD
12	M	150MM SANITARY GRAVITY SEWER	1,540	M	INDUCTIVE LOOP SAWCUT
333	M	200MM SANITARY GRAVITY SEWER	4,330	M	LEAD-IN CABLE (***** (14-2)
67	M	250MM SANITARY GRAVITY SEWER	8	EA	METAL STRAIN SIGNAL POLE
75.8	M	400MM SANITARY GRAVITY SEWER	8	EA	SOIL TEST
6	EA	SANITARY SEWER CLEAN-OUT	50	M3	DRILLED PIER FOUNDATION
5	EA	1200MM DIA UTILITY MANHOLE	2	EA	SIGN FOR SIGNALS
5	EA	1500MM DIA UTILITY MANHOLE	2	EA	SIGNAL CABINET FOUNDATION
7.6	M	UTILITY MANHOLE WALL, 1200MM DIA	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
			15	EA	DETECTOR CARD (TYPE 2070L)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 003

CONTRACT ID : C203091 39978.3.1

DIV OFFICE DURHAM

LENGTH = 0.288 MI

COUNTY : WAKE

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.

DBE GOAL 9.0% COMPLETION DATE : MAY 30 2014

BRIDGE #251 OVER US-401 ON US-70 AND NC-50.

ROADWAY ITEMS			Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (18+73-L-EBL)
Lump Sum	LS	MOBILIZATION			
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING		4	EA SIGN ERECTION, TYPE D
200	CY	UNDERCUT EXCAVATION		9	EA SIGN ERECTION, TYPE E
Lump Sum	LS	GRADING		2	EA SIGN ERECTION, TYPE F
18,250	CY	BORROW EXCAVATION		4	EA SIGN ERECTION, TYPE *** (OVER- HEAD) (A)
100	CY	DRAINAGE DITCH EXCAVATION		2	EA SIGN ERECTION, TYPE *** (OVER- HEAD) (B)
200	CY	SELECT GRANULAR MATERIAL		1	EA SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
600	SY	GEOTEXTILE FOR SOIL STABILIZA- TION		1	EA SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (F)
959	SF	TEMPORARY SHORING		1	EA DISPOSAL OF SIGN SYSTEM, OVER- HEAD
130	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES		10	EA DISPOSAL OF SIGN SYSTEM, U- CHANNEL
400	SY	FOUNDATION CONDITIONING GEO- TEXTILE		1	EA DISPOSAL OF SUPPORT, U-CHANNEL
100	LF	15" DRAINAGE PIPE		4	EA DISPOSAL OF SIGN, A OR B (OVERHEAD)
4	EA	*** DRAINAGE PIPE ELBOWS (15")		249	SF WORK ZONE SIGNS (STATIONARY)
120	LF	18" SIDE DRAIN PIPE		606	SF WORK ZONE SIGNS (PORTABLE)
540	LF	15" RC PIPE CULVERTS, CLASS IV		70	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
316	LF	18" RC PIPE CULVERTS, CLASS IV		2	EA FLASHING ARROW BOARD
108	LF	15" CS PIPE CULVERTS, 0.064" THICK		9	EA PORTABLE CHANGEABLE MESSAGE SIGN
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")		230	EA DRUMS
100	CY	SHALLOW UNDERCUT		56	LF BARRICADES (TYPE III)
200	TON	CLASS IV SUBGRADE STABILIZA- TION		5	EA TEMPORARY CRASH CUSHIONS
200	TON	INCIDENTAL STONE BASE		3	EA RESET TEMPORARY CRASH CUSHION
1,000	SY	INCIDENTAL MILLING		2	EA TMA
2,520	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		2,610	LF PORTABLE CONCRETE BARRIER
1,340	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		440	LF RESET PORTABLE CONCRETE BAR- RIER
1,620	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		458	HR LAW ENFORCEMENT
275	TON	ASPHALT BINDER FOR PLANT MIX		135	EA TEMPORARY RAISED PAVEMENT MARKERS
30	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		4,890	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
22.4	CY	SUBDRAIN EXCAVATION		1,089	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
16.8	CY	SUBDRAIN FINE AGGREGATE		1,392	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
100	LF	6" PERFORATED SUBDRAIN PIPE		156	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1	EA	SUBDRAIN PIPE OUTLET		76	LF THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
6	LF	4" OUTLET PIPE		120	LF THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
18	EA	MASONRY DRAINAGE STRUCTURES		9	EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2.5	LF	MASONRY DRAINAGE STRUCTURES		344	LF COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (2)
7	EA	FRAME WITH TWO GRATES, STD 840.22		698	LF COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
5	EA	FRAME WITH TWO GRATES, STD 840.29		10,432	LF PAINT PAVEMENT MARKING LINES (4")
3	EA	FRAME WITH COVER, STD 840.54		65	LF PAINT PAVEMENT MARKING LINES (8")
180	LF	SHOULDER BERM GUTTER		1,597	LF PAINT PAVEMENT MARKING LINES (12")
150	SY	4" CONCRETE PAVED DITCH		234	LF PAINT PAVEMENT MARKING LINES (24")
250	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		19	EA PAINT PAVEMENT MARKING SYMBOL
225	LF	STEEL BM GUARDRAIL		3,404	LF REMOVAL OF PAVEMENT MARKING LINES (4")
5	EA	ADDITIONAL GUARDRAIL POSTS		70	LF REMOVAL OF PAVEMENT MARKING LINES (8")
2	EA	GUARDRAIL ANCHOR UNITS, TYPE III		212	LF REMOVAL OF PAVEMENT MARKING LINES (24")
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350		10	EA REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
620	LF	REMOVE EXISTING GUARDRAIL			
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (W-BEAM)			
700	SY	GEOTEXTILE FOR DRAINAGE			
1	CY	PLAIN CONCRETE SIGN FOUNDA- TIONS			
20	CY	OVERHEAD FOOTING			
553	LB	SUPPORTS, BREAKAWAY STEEL BEAM			
340	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			

			149	SY	4" SLOPE PROTECTION
			Lump Sum	LS	ELASTOMERIC BEARINGS
			Lump Sum	LS	EXPANSION JOINT SEALS
	2	EA			PERMANENT RAISED PAVEMENT MARKERS
	155	EA			SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum		LS			PORTABLE LIGHTING
2,900		LF			TEMPORARY SILT FENCE
495		TON			STONE FOR EROSION CONTROL, CLASS A
330		TON			STONE FOR EROSION CONTROL, CLASS B
365		TON			SEDIMENT CONTROL STONE
5		ACR			TEMPORARY MULCHING
200		LB			SEED FOR TEMPORARY SEEDING
1.75		TON			FERTILIZER FOR TEMPORARY SEEDING
325		LF			TEMPORARY SLOPE DRAINS
200		LF			SAFETY FENCE
1,230		CY			SILT EXCAVATION
6,000		SY			MATTING FOR EROSION CONTROL
25		SY			COIR FIBER MAT
750		LF			1/4" HARDWARE CLOTH
600		LF			WATTLE
200		LB			POLYACRYLAMIDE (PAM)
500		LF			COIR FIBER BAFFLE
1		EA			*** SKIMMER (1-1/2")
5		ACR			SEEDING & MULCHING
2.5		ACR			MOWING
50		LB			SEED FOR REPAIR SEEDING
0.25		TON			FERTILIZER FOR REPAIR SEEDING
150		LB			SEED FOR SUPPLEMENTAL SEEDING
4		TON			FERTILIZER TOPDRESSING
10		MHR			SPECIALIZED HAND MOWING
25		EA			RESPONSE FOR EROSION CONTROL
3,025		LF			SIGNAL CABLE
24		EA			VEHICLE SIGNAL HEAD (12", 3 SECTION)
3		EA			VEHICLE SIGNAL HEAD (12", 5 SECTION)
1,550		LF			MESSENGER CABLE (3/8")
575		LF			UNPAVED TRENCHING (***** (1, 2"))
300		LF			UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
75		LF			DIRECTIONAL DRILL (***** (1, 2"))
6		EA			JUNCTION BOX (STANDARD SIZE)
2		EA			1" RISER WITH WEATHERHEAD
10		EA			2" RISER WITH WEATHERHEAD
950		LF			INDUCTIVE LOOP SAWCUT
4,350		LF			LEAD-IN CABLE (***** (14-2))
8		EA			METAL STRAIN SIGNAL POLE
8		EA			SOIL TEST
64		CY			DRILLED PIER FOUNDATION
5		EA			SIGN FOR SIGNALS

WALL ITEMS

2,465		SF			GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 1
1,335		SF			GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 2

STRUCTURE ITEMS

Lump Sum		LS			REMOVAL OF EXISTING STRUCTURE AT STATION ***** (25+71.28 -L EBL-)
3,954		SF			REINFORCED CONCRETE DECK SLAB
4,879		SF			GROOVING BRIDGE FLOORS
123.2		CY			CLASS A CONCRETE (BRIDGE)
Lump Sum		LS			BRIDGE APPROACH SLABS, STATION ***** (25+71.28 -L EBL-)
15,714		LB			REINFORCING STEEL (BRIDGE)
497.72		LF			54" PRESTRESSED CONCRETE GIR- DERS
735		LF			HP12X53 STEEL PILES
239.57		LF			TWO BAR METAL RAIL
256.93		LF			1'-***X ***** CONCRETE PARA- PET (25+71.28 -L EBL-)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130416 004

CONTRACT ID : C203327 45335.3.13

DIV OFFICE DURHAM

LENGTH = 2.223 MI

COUNTY : WAKE

MILLING, RESURFACING, MONLITHIC ISLAND, & SHOULDER GRADING.

DBE GOAL 8.0% COMPLETION DATE : NOV 01 2013

US-70/401 (S SAUNDERS ST) FROM JOINT N OF I-40 TO B-4946 LIMITS, AND 3 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	2	EA	SIGN FOR SIGNALS
118	CY	BORROW EXCAVATION			
8	SY	GENERIC GRADING ITEM REMOVAL OF EXISTING ISLAND			
1.18	SMI	GENERIC GRADING ITEM SHOULDER GRADING			
60	TON	INCIDENTAL STONE BASE			
13,046	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
118,358	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4-1/2")			
20,880	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C			
1,195	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
10,451	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
1,690	TON	ASPHALT BINDER FOR PLANT MIX			
1,125	LB	SEALING EXISTING PAVEMENT CRACKS & JOINTS			
561	TON	PATCHING EXISTING PAVEMENT			
205	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
3	EA	ADJUSTMENT OF CATCH BASINS			
38	EA	ADJUSTMENT OF MANHOLES			
17	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
76	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
7	EA	SIGN ERECTION, TYPE E			
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			
125	HR	LAW ENFORCEMENT			
12,210	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
19,370	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
1,349	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
180	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
1,202	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
44	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
178	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
895	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)			
31,580	LF	PAINT PAVEMENT MARKING LINES (4")			
1,529	LF	PAINT PAVEMENT MARKING LINES (8")			
1,202	LF	PAINT PAVEMENT MARKING LINES (24")			
44	EA	PAINT PAVEMENT MARKING CHARAC- TER			
178	EA	PAINT PAVEMENT MARKING SYMBOL			
1,395	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
2	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS			
1,275	EA	SNOWPLOWABLE PAVEMENT MARKERS			
Lump Sum	LS	PORTABLE LIGHTING			
84	LF	TEMPORARY SILT FENCE			
220	LF	WATTLE			
0.85	ACR	SEEDING & MULCHING			
400	LF	SIGNAL CABLE			
1	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
9,990	LF	INDUCTIVE LOOP SAWCUT			
6,150	LF	LEAD-IN CABLE (***** (14-2)			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 005

CONTRACT ID : C203090 38576.3.1

DIV OFFICE GREENSBORO

LENGTH = 0.088 MI

COUNTY : ROCKINGHAM

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : FEB 28 2014

BRIDGE #3 OVER UNNAMED TRIBUTARY TO TROUBLESOME CREEK ON SR-2409.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (12+76.00-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
200	CY	UNDERCUT EXCAVATION
200	CY	SELECT GRANULAR MATERIAL
300	SY	GEOTEXTILE FOR SOIL STABILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
30	SY	FOUNDATION CONDITIONING GEOTEXTILE
16	LF	18" RC PIPE CULVERTS, CLASS III
56	LF	18" RC PIPE CULVERTS, CLASS IV
50	TON	INCIDENTAL STONE BASE
352	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
231	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
187	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
40	TON	ASPHALT BINDER FOR PLANT MIX
50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
10	EA	RIGHT OF WAY MARKERS
3	EA	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.29
90	LF	SHOULDER BERM GUTTER
100	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	TON	RIP RAP, CLASS B
460	SY	GEOTEXTILE FOR DRAINAGE
277	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
80	LF	BARRICADES (TYPE III)
3,800	LF	PAINT PAVEMENT MARKING LINES (4")
800	LF	TEMPORARY SILT FENCE
225	TON	STONE FOR EROSION CONTROL, CLASS A
35	TON	STONE FOR EROSION CONTROL, CLASS B
120	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
100	CY	SILT EXCAVATION
2,900	SY	MATTING FOR EROSION CONTROL
285	SY	COIR FIBER MAT
560	LF	1/4" HARDWARE CLOTH
50	LF	WATTLE
20	LB	POLYACRYLAMIDE (PAM)
80	LF	COIR FIBER BAFFLE
2	EA	*** SKIMMER (1-1/2")
1	ACR	SEEDING & MULCHING
0.6	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
18	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (12+76.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (12+76.00-L-)
38	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (12+76.00-L-)
5,880	LB	REINFORCING STEEL (BRIDGE)
385	LF	HP12X53 STEEL PILES
144.33	LF	TWO BAR METAL RAIL
160	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 3'-1 3/4")
285	TON	RIP RAP CLASS II (2'-0" THICK)
315	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
880	LF	3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130416 006

CONTRACT ID : C203326 7C.041246

DIV OFFICE GREENSBORO

LENGTH = 10.485 MI

COUNTY : GUILFORD

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : SEP 06 2013

3 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
60	CY	BORROW EXCAVATION
553	TON	INCIDENTAL STONE BASE
19.94	SMI	SHOULDER RECONSTRUCTION
4,252	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
2,834	SY	INCIDENTAL MILLING
10,653	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
14,175	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,421	TON	ASPHALT BINDER FOR PLANT MIX
142,233	SY	GENERIC PAVING ITEM ASPHALT SURFACE TREATMENT, MAT COAT, #67 STONE
5	EA	ADJUSTMENT OF MANHOLES
9	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
52,025	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
58,062	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
538	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
505	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
160	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
91	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
25	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
205,258	LF	PAINT PAVEMENT MARKING LINES (4")
130	LF	PAINT PAVEMENT MARKING LINES (8")
850	EA	PERMANENT RAISED PAVEMENT MARKERS
3.64	ACR	SEEDING & MULCHING
4	ACR	RESIDENTIAL SEEDING
1,050	LF	UNPAVED TRENCHING (*****) (1, 2")
12	EA	JUNCTION BOX (STANDARD SIZE)
5	EA	2" RISER WITH WEATHERHEAD
1,360	LF	INDUCTIVE LOOP SAWCUT
1,300	LF	LEAD-IN CABLE (*****) (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130416 007

CONTRACT ID : C203323 7C.041249

DIV OFFICE GREENSBORO

LENGTH = 4.974 MI

COUNTY : GUILFORD, ROCKINGHAM

WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : SEP 06 2013

2 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
38	CY	BORROW EXCAVATION
275	TON	INCIDENTAL STONE BASE
9.95	SMI	SHOULDER RECONSTRUCTION
517	SY	INCIDENTAL MILLING
5,337	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
6,484	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
668	TON	ASPHALT BINDER FOR PLANT MIX
65,792	SY	GENERIC PAVING ITEM ASPHALT SURFACE TREATMENT, MAT COAT, #67 STONE
52,530	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
42,683	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
224	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
175	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
14	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
5	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
425	EA	PERMANENT RAISED PAVEMENT MARKERS
1.81	ACR	SEEDING & MULCHING
1.81	ACR	RESIDENTIAL SEEDING
70	LF	UNPAVED TRENCHING (*****) (1, 2")
1	EA	JUNCTION BOX (STANDARD SIZE)
1	EA	2" RISER WITH WEATHERHEAD
200	LF	INDUCTIVE LOOP SAWCUT
70	LF	LEAD-IN CABLE (*****) (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130416 008

CONTRACT ID : C203121 41665.6A

DIV OFFICE WINSTON-SALEM

LENGTH = 0.000 MI

COUNTY : ROWAN, DAVIDSON

BRIDGE PRESERVATION

MBE GOAL 0.0% WBE 0.0% COMPLETION DATE : JUN 14 2014

BRIDGE #31 ON NC-8, BRIDGE #55 & 82 ON NC-47 AND BRIDGE #65 ON SR-1221.

ROADWAY ITEMS			Lump Sum	LS	GENERIC STRUCTURE ITEM UNCLASSIFIED STRUCTURE EXCAVATION AT BRIDGE #55	
Lump Sum	LS	MOBILIZATION				
414	SY	INCIDENTAL MILLING		Lump Sum	LS	GENERIC STRUCTURE ITEM UNCLASSIFIED STRUCTURE EXCAVATION AT BRIDGE #65
67	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A		Lump Sum	LS	GENERIC STRUCTURE ITEM UNCLASSIFIED STRUCTURE EXCAVATION AT BRIDGE #82
5	TON	ASPHALT BINDER FOR PLANT MIX		Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM
175	LF	STEEL BM GUARDRAIL				
16	EA	GUARDRAIL ANCHOR UNITS, TYPE III				
12	EA	GUARDRAIL ANCHOR UNITS, TYPE 350				
982	SF	WORK ZONE SIGNS (STATIONARY)				
310	SF	WORK ZONE SIGNS (PORTABLE)				
202	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)				
3	EA	FLASHING ARROW BOARD				
1	EA	PORTABLE CHANGEABLE MESSAGE SIGN				
30	EA	DRUMS				
80	LF	BARRICADES (TYPE III)				
12	DAY	FLAGGER				
2	EA	TMA				
4,200	LF	POLYUREA PAVEMENT MARKING LINES (4" *****) (STANDARD GLASS BEADS)				
18	EA	PERMANENT RAISED PAVEMENT MARKERS				
18,140	SF	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)				
17,698	SF	GROOVING BRIDGE FLOORS				
138,224	LS	APPROX LBS STRUCTURAL STEEL				
Lump Sum	LS	POLLUTION CONTROL				
92	SY	METHOD A WATERPROOFING				
1,132.7	LF	ONE BAR METAL RAIL				
1,132.7	LF	GENERIC STRUCTURE ITEM 1'-0" X 1'-6" CONCRETE PARAPET (SAND LIGHTWEIGHT CONC)				
54	TON	RIP RAP CLASS II (2'-0" THICK)				
79	SY	GEOTEXTILE FOR DRAINAGE				
Lump Sum	LS	ELASTOMERIC BEARINGS				
6	CF	CONCRETE REPAIRS				
145	LF	EPOXY RESIN INJECTION				
Lump Sum	LS	FOAM JOINT SEALS				
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE APPROACH SLABS AT BRIDGE #31				
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE APPROACH SLABS AT BRIDGE #55				
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE APPROACH SLABS AT BRIDGE #65				
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE APPROACH SLABS AT BRIDGE #82				
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF OF BRIDGE #65				
Lump Sum	LS	GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE AT BRIDGE #31				
Lump Sum	LS	GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE AT BRIDGE #55				
Lump Sum	LS	GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE AT BRIDGE #65				
Lump Sum	LS	GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE AT BRIDGE #82				
Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL MODIFICATION AT BRIDGE #65				
Lump Sum	LS	GENERIC STRUCTURE ITEM UNCLASSIFIED STRUCTURE EXCAVATION AT BRIDGE #31				

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 009

CONTRACT ID : C203093 34408.3.5

DIV OFFICE ALBEMARLE

LENGTH = 3.237 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : NOV 28 2017

GEORGE LILES PARKWAY FROM SR-1304 (ROBERTA RD) TO SR-1431 (WEDDINGTON RD).

ROADWAY ITEMS					
			540	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")
Lump Sum	LS	MOBILIZATION	11,100	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM TIMBER PEDESTRIAN BOARDWALK AT STATION 37+70.06 -MUP-	2,500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	14,800	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
3	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	31,800	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
164,000	CY	UNCLASSIFIED EXCAVATION	14,550	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
20,400	CY	UNDERCUT EXCAVATION	26,400	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
605,000	CY	BORROW EXCAVATION	5,270	TON	ASPHALT BINDER FOR PLANT MIX
2,433	CY	DRAINAGE DITCH EXCAVATION	880	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
15,700	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	336	CY	SUBDRAIN EXCAVATION
3,450	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	168	CY	SUBDRAIN FINE AGGREGATE
31	HR	PROOF ROLLING	1,000	LF	6" PERFORATED SUBDRAIN PIPE
34,900	CY	SELECT GRANULAR MATERIAL	2	EA	SUBDRAIN PIPE OUTLET
31,900	SY	GEOTEXTILE FOR SOIL STABILIZA- TION	12	LF	6" OUTLET PIPE
4,138	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	8,050	LF	SHOULDER DRAIN
25,423	SY	FOUNDATION CONDITIONING GEO- TEXTILE	8,050	LF	4" SHOULDER DRAIN PIPE
904	LF	15" DRAINAGE PIPE	487	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
608	LF	18" DRAINAGE PIPE	9	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
68	LF	24" DRAINAGE PIPE	10	TON	BLOTTING SAND
856	LF	30" DRAINAGE PIPE	25	CY	ENDWALLS
880	LF	36" DRAINAGE PIPE	5.1	CY	REINFORCED ENDWALLS
8	EA	*** DRAINAGE PIPE ELBOWS (15")	1	CY	PIPE COLLARS
6	EA	*** DRAINAGE PIPE ELBOWS (18")	1	CY	PIPE PLUGS
324	LF	15" SIDE DRAIN PIPE	15	CY	FLOWABLE FILL
64	LF	18" SIDE DRAIN PIPE	143	EA	MASONRY DRAINAGE STRUCTURES
184	LF	24" SIDE DRAIN PIPE	123	LF	MASONRY DRAINAGE STRUCTURES
292	LF	15" RC PIPE CULVERTS, CLASS III	13	EA	FRAME WITH TWO GRATES, STD 840.16
228	LF	18" RC PIPE CULVERTS, CLASS III	39	EA	FRAME WITH TWO GRATES, STD 840.20
92	LF	24" RC PIPE CULVERTS, CLASS III	77	EA	FRAME WITH TWO GRATES, STD 840.22
148	LF	30" RC PIPE CULVERTS, CLASS III	3	EA	FRAME WITH TWO GRATES, STD 840.29
212	LF	***** RC PIPE CULVERTS, CLASS IV (48")	1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
48	LF	***** RC PIPE CULVERTS, CLASS IV (54")	3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
7,012	LF	15" RC PIPE CULVERTS, CLASS IV	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
4,532	LF	18" RC PIPE CULVERTS, CLASS IV	4	EA	FRAME WITH COVER, STD 840.54
3,400	LF	24" RC PIPE CULVERTS, CLASS IV	16	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
1,132	LF	30" RC PIPE CULVERTS, CLASS IV	1,670	LF	2'-6" CONCRETE CURB & GUTTER
516	LF	36" RC PIPE CULVERTS, CLASS IV	4,755	LF	SHOULDER BERM GUTTER
44	LF	42" RC PIPE CULVERTS, CLASS IV	1	EA	MODIFIED CONCRETE FLUME
2,678	LF	PIPE REMOVAL	1,030	LF	CONCRETE VALLEY GUTTER
Lump Sum	LS	FINE GRADING	430	SY	4" CONCRETE SIDEWALK
80,200	SY	LIME TREATED SOIL (SLURRY METHOD)	2	EA	CONCRETE CURB RAMP
810	TON	LIME FOR LIME TREATED SOIL	300	SY	6" CONCRETE DRIVEWAY
5,000	CY	SHALLOW UNDERCUT	40	SY	4" CONCRETE PAVED DITCH
9,500	TON	CLASS IV SUBGRADE STABILIZA- TION	3,500	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
500	TON	STABILIZER AGGREGATE	3,310	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
36,500	SY	GEOTEXTILE FOR PAVEMENT STA- BILIZATION	1	EA	ADJUSTMENT OF DROP INLETS
78,200	TON	AGGREGATE BASE COURSE	1	EA	ADJUSTMENT OF MANHOLES
53,470	SY	SOIL CEMENT BASE	7,925	LF	STEEL BM GUARDRAIL
1,480	TON	PORTLAND CEMENT FOR SOIL CE- MENT BASE	6	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
20,060	GAL	ASPHALT CURING SEAL	10	EA	ADDITIONAL GUARDRAIL POSTS
2,000	TON	INCIDENTAL STONE BASE	8	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
670	GAL	PRIME COAT			

			14,810	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
			313	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
11	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	1,870	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	1,560	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
9	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
151	LF	REMOVE EXISTING GUARDRAIL	177	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
900	LF	TEMPORARY STEEL BM GUARDRAIL	1,357	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	276,276	LF	PAINT PAVEMENT MARKING LINES (4")
67	EA	GENERIC GUARDRAIL ITEM EXTRA LENGTH GUARDRAIL POSTS (8" STEEL)	1,558	LF	PAINT PAVEMENT MARKING LINES (8")
32,040	LF	CHAIN LINK FENCE, 48" FABRIC	1,478	LF	PAINT PAVEMENT MARKING LINES (24")
2,681	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	354	EA	PAINT PAVEMENT MARKING SYMBOL
160	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	19,621	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,000	LF	ADDITIONAL BARBED WIRE	112	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
1	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 12', 12')	20	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 12', 24')	1,324	EA	PERMANENT RAISED PAVEMENT MARKERS
4,740	LF	GENERIC FENCING ITEM DARK GREEN VINYL COATED CHAIN LINK FENCE, 48" FABRIC	2	EA	100' HIGH MOUNT STANDARD
1,201	TON	RIP RAP, CLASS I	1	EA	PORTABLE DRIVE UNIT
99	TON	RIP RAP, CLASS II	14	CY	HIGH MOUNT FOUNDATIONS
9	TON	RIP RAP, CLASS B	12	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
12,022	SY	GEOTEXTILE FOR DRAINAGE	1	EA	ELECTRIC SERVICE POLE **** ***** (30' CLASS 4)
7	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	100	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
7	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	1	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS	385	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
120	CY	OVERHEAD FOOTING	35	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")
7,750	LB	SUPPORTS, BREAKAWAY STEEL BEAM	125	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")
2,119	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	410	LF	** #8 W/G FEEDER CIRCUIT (2)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (17+30 -Y4-)	410	LF	** #6 W/G FEEDER CIRCUIT (2)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (20+50 -RPA-)	1,015	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (22+50 -RPC-)	555	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (26+80 -Y4-)	6	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (67+05 -L-)	6	EA	UNDERPASS LUMINAIRES ***** (TYPE PM, 70W HPS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (93-50 -L-)	Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (UPL-1)
7	EA	SIGN ERECTION, TYPE D	1,479	LF	2" WATER LINE
122	EA	SIGN ERECTION, TYPE E	53	LF	6" WATER LINE
8	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	830	LF	8" WATER LINE
4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	360	LF	16" WATER LINE
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	15,946	LF	24" WATER LINE
69	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	3	EA	6" VALVE
612	SF	WORK ZONE SIGNS (STATIONARY)	1	EA	8" VALVE
564	SF	WORK ZONE SIGNS (PORTABLE)	1	EA	16" VALVE
336	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	8	EA	24" VALVE
2	EA	FLASHING ARROW BOARD	2	EA	*** TAPPING VALVE (2")
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN	1	EA	8" TAPPING VALVE
736	EA	DRUMS	4	EA	6" AIR RELEASE VALVE
100	EA	CONES	2	EA	2" BLOW OFF
520	LF	BARRICADES (TYPE III)	8	EA	RELOCATE WATER METER
720	DAY	FLAGGER	8	EA	RECONNECT WATER METER
2	EA	TMA	15	EA	FIRE HYDRANT
1,740	EA	TEMPORARY RAISED PAVEMENT MARKERS	4	EA	RELOCATE FIRE HYDRANT
95,977	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	258	LF	12" SANITARY GRAVITY SEWER
46,521	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	282	LF	24" SANITARY GRAVITY SEWER
			3	EA	SANITARY SEWER CLEAN-OUT
			3	EA	4' DIA UTILITY MANHOLE
			2	EA	5' DIA UTILITY MANHOLE
			244	LF	ABANDON 6" UTILITY PIPE

5,996	LF	ABANDON 8" UTILITY PIPE
16	EA	REMOVE WATER METER
6	EA	REMOVE FIRE HYDRANT
6	EA	ABANDON UTILITY MANHOLE
194	LF	24" ENCASUREMENT PIPE
431	LF	36" ENCASUREMENT PIPE
101	LF	TRENCHLESS INSTALLATION OF 36" IN SOIL
101	LF	TRENCHLESS INSTALLATION OF 36" NOT IN SOIL
1	EA	GENERIC UTILITY ITEM ABANDON WATER VAULT
41,600	LF	TEMPORARY SILT FENCE
12,900	TON	STONE FOR EROSION CONTROL, CLASS A
21,400	TON	STONE FOR EROSION CONTROL, CLASS B
11,500	TON	SEDIMENT CONTROL STONE
193.5	ACR	TEMPORARY MULCHING
3,800	LB	SEED FOR TEMPORARY SEEDING
15.5	TON	FERTILIZER FOR TEMPORARY SEEDING
12,500	LF	TEMPORARY SLOPE DRAINS
2,500	LF	SAFETY FENCE
55,160	CY	SILT EXCAVATION
300,000	SY	MATting FOR EROSION CONTROL
3,010	SY	COIR FIBER MAT
7,800	SY	PERMANENT SOIL REINFORCEMENT MAT
4,525	LF	1/4" HARDWARE CLOTH
450	CY	STILLING BASINS
700	LF	WATTLE
8,050	LF	COIR FIBER WATTLE
7,165	LB	POLYACRYLAMIDE (PAM)
14,800	LF	COIR FIBER BAFFLE
14	EA	*** SKIMMER (1-1/2")
4	EA	*** SKIMMER (2")
147	ACR	SEEDING & MULCHING
75	ACR	MOWING
1,950	LB	SEED FOR REPAIR SEEDING
7.25	TON	FERTILIZER FOR REPAIR SEEDING
3,550	LB	SEED FOR SUPPLEMENTAL SEEDING
106.25	TON	FERTILIZER TOPDRESSING
535	LF	IMPERVIOUS DIKE
50	MHR	SPECIALIZED HAND MOWING
150	EA	RESPONSE FOR EROSION CONTROL
380	CY	CULVERT DIVERSION CHANNEL
5	ACR	REFORESTATION
0.11	ACR	STREAMBANK REFORESTATION
5,510	LF	SIGNAL CABLE
28	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
5	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
5	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
6,000	LF	MESSENGER CABLE (1/4")
635	LF	MESSENGER CABLE (3/8")
9,500	LF	TRACER WIRE
70	LF	PAVED TRENCHING (*****)(1, 2")
3,070	LF	UNPAVED TRENCHING (*****)(1, 2")
7,500	LF	UNPAVED TRENCHING (*****)(2, 2")
2,000	LF	DIRECTIONAL DRILL (*****)(2, 2")
33	EA	JUNCTION BOX (STANDARD SIZE)
27	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
4	EA	WOOD POLE
17	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
4	EA	2" RISER WITH WEATHERHEAD
5	EA	2" RISER WITH HEAT SHRINK TUBING
4,730	LF	INDUCTIVE LOOP SAWCUT
12,685	LF	LEAD-IN CABLE (*****)(14-2)
500	LF	COMMUNICATIONS CABLE (**FIBER)(12)
20,000	LF	COMMUNICATIONS CABLE (**FIBER)(24)
3	EA	SPLICE ENCLOSURE
2	EA	INTERCONNECT CENTER

15	EA	DELINEATOR MARKER
4	EA	METAL STRAIN SIGNAL POLE
4	EA	SOIL TEST
60	CY	DRILLED PIER FOUNDATION
4	EA	SIGN FOR SIGNALS
3	EA	TYPE II PEDESTAL WITH FOUNDATION
2	EA	SIGNAL CABINET FOUNDATION
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
22	EA	DETECTOR CARD (TYPE 2070L)
3	EA	CABINET BASE EXTENDER
2	EA	TRAFFIC SIGNAL REMOVAL
2	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
485	CY	CHANNEL EXCAVATION

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (29+96.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (98+39.00-L-)
805	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
1,363.1	CY	CLASS A CONCRETE (CULVERT)
168,781	LB	REINFORCING STEEL (CULVERT)

WALL ITEMS

9,478	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 1
9,812	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 2
40,600	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL

STRUCTURE ITEMS

56	LF	4'-0" DIA DRILLED PIERS IN SOIL
175	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
2	EA	SID INSPECTIONS
2	EA	SPT TESTING
2	EA	CSL TESTING
20,210	SF	REINFORCED CONCRETE DECK SLAB
20,235	SF	GROOVING BRIDGE FLOORS
313.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (80+56.83-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (80+56.83-L-RT)
87,930	LB	REINFORCING STEEL (BRIDGE)
10,838	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,573,600	LS	APPROX LBS STRUCTURAL STEEL
100	LF	HP12X53 STEEL PILES
1,084.2	LF	CONCRETE BARRIER RAIL
240	SY	4" SLOPE PROTECTION
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM DISC BEARINGS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130416 010

CONTRACT ID : C203322

10CR.10041.44

DIV OFFICE ALBEMARLE

LENGTH = 11.950 MI

COUNTY : ANSON

WIDENING, MILLING, RESURFACING AND SHOULDER RECONSTRUCTION.

MBE GOAL 5.0% WBE 5.0% COMPLETION DATE : JUN 20 2014

4 SECTIONS OF US-74 EB LANES, 1 SECTION OF NC-145, AND 1 SECTION SECONDARY ROAD.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
3,210	CY	BORROW EXCAVATION
1,076	TON	INCIDENTAL STONE BASE
19.6	SMI	SHOULDER RECONSTRUCTION
34,015	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
13,700	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
1,490	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
486	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
859	SY	INCIDENTAL MILLING
4,220	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
3,015	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
10,220	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
1,910	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
18,728	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,707	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
2,200	TON	ASPHALT BINDER FOR PLANT MIX
4,578	TON	PATCHING EXISTING PAVEMENT
850	LF	***X*** CONCRETE CURB (8" X 12")
850	LF	2'-6" CONCRETE CURB & GUTTER
3	EA	RETROFIT EXISTING CURB RAMP
36	SY	6" CONCRETE DRIVEWAY
3	EA	ADJUSTMENT OF CATCH BASINS
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
123,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
48,715	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
280	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
215	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
130	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
45,925	LF	PAINT PAVEMENT MARKING LINES (4")
1,151	EA	PERMANENT RAISED PAVEMENT MARKERS
1,468	LF	TEMPORARY SILT FENCE
225	TON	STONE FOR EROSION CONTROL, CLASS B
114	TON	SEDIMENT CONTROL STONE
1,468	LF	WATTLE
4.1	LB	POLYACRYLAMIDE (PAM)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 011

CONTRACT ID : C203145 50000.3.STR02T4D

DIV OFFICE ALBEMARLE

LENGTH = 0.549 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : MAY 14 2015

SR-1158 (PHARR MILL RD), SR-1307 (BLACKWATER RD) GRADE SEPA- RATION OVER NORFOLK SOUTHERN/NCRR RAILROAD IN HARRISBURG.

ROADWAY ITEMS						
			240	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	
			100	SY	GENERIC PAVING ITEM	
					6" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED)	
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	CONSTRUCTION SURVEYING				
Lump Sum	LS	GRADING				
	1	ACR		EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	
				2	EA	IMPACT ATTENUATOR UNIT, TYPE 350
	3,050	CY		1,262.5	LF	STEEL BM GUARDRAIL
				75	LF	STEEL BM GUARDRAIL, SHOP CURVED
	2	EA				
	210	CY		2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
	1,300	CY				
	6,200	SY		10	EA	ADDITIONAL GUARDRAIL POSTS
				2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
	10	TON		1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
				4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
	300	TON		5	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
				6	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
	940	SY		610	LF	WOVEN WIRE FENCE RESET
				205	LF	BARBED WIRE FENCE RESET
	400	LF		1	EA	GENERIC FENCING ITEM RESET EXISTING GATE
	32	LF				
	496	LF		1	EA	GENERIC FENCING ITEM STEEL PIPE GATE
	380	LF		180	TON	RIP RAP, CLASS B
				1,270	SY	GEOTEXTILE FOR DRAINAGE
	788	LF		334.75	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
				56.625	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)
	594	LF		900	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
				60	EA	SIGN ERECTION, TYPE E
	16	LF		9	EA	SIGN ERECTION, TYPE F
				7	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
	6	EA		40	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
				422	SF	WORK ZONE SIGNS (STATIONARY)
	100	LF		608	SF	WORK ZONE SIGNS (PORTABLE)
				167	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
	1,049	LF		2	EA	FLASHING ARROW BOARD
	1,300	CY		2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
	2,470	TON		300	EA	DRUMS
				100	EA	CONES
	4,381	TON		176	LF	BARRICADES (TYPE III)
				2,400	HR	FLAGGER
	500	TON		2	EA	TEMPORARY CRASH CUSHIONS
	2,000	SY		2	EA	TMA
	3,770	TON		546	LF	PORTABLE CONCRETE BARRIER
				32	HR	LAW ENFORCEMENT
	1,950	TON		100	EA	SKINNY DRUM
				34	EA	TUBULAR MARKERS (FIXED)
	3,780	TON		479	EA	TEMPORARY RAISED PAVEMENT MARKERS
				21,360	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
	1,440	TON		20,788	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
				2,350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
	4,290	TON		130	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
				456	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
	1,930	TON		3	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
	875	TON				
	100	TON				
	59	EA				
	56	CY				
	42	CY				
	250	LF				
	1	EA				
	6	LF				
	2.5	CY				
	1.55	CY				
	15	EA				
	1.5	LF				
	5	EA				
	7	EA				
	2	EA				
	1	EA				
	1,950	LF				
	861	LF				

			79	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
			2	EA	PDA TESTING
			3	EA	SID INSPECTIONS
			3	EA	CSL TESTING
41	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
1,396	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (25+41.22-L-)
25,004	LF	PAINT PAVEMENT MARKING LINES (4")	12,011	SF	REINFORCED CONCRETE DECK SLAB
1,681	LF	PAINT PAVEMENT MARKING LINES (8")	11,483	SF	GROOVING BRIDGE FLOORS
			243.1	CY	CLASS A CONCRETE (BRIDGE)
217	LF	PAINT PAVEMENT MARKING LINES (24")	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+41.22-L-)
			38,837	LB	REINFORCING STEEL (BRIDGE)
22	EA	PAINT PAVEMENT MARKING SYMBOL	7,788	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,350	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
			1,378.5	LF	54" PRESTRESSED CONCRETE GIRDERS
80	LF	REMOVAL OF PAVEMENT MARKING LINES (24")			
			595	LF	HP12X53 STEEL PILES
5	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	14	EA	STEEL PILE POINTS
470	EA	SNOWPLOWABLE PAVEMENT MARKERS	694.6	LF	TWO BAR METAL RAIL
45	LF	6" WATER LINE	694.6	LF	1'***X ***** CONCRETE PARAPET (1'-2" X 2'-6")
340	LF	8" WATER LINE			
230	LF	12" WATER LINE			
			26.4	SY	4" SLOPE PROTECTION
1	EA	12" VALVE	Lump Sum	LS	ELASTOMERIC BEARINGS
1	EA	RELOCATE FIRE HYDRANT	2,458	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL # 1
7,000	LF	TEMPORARY SILT FENCE			
700	TON	STONE FOR EROSION CONTROL, CLASS A	2,151	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL # 2
900	TON	STONE FOR EROSION CONTROL, CLASS B			
700	TON	SEDIMENT CONTROL STONE			
40	ACR	TEMPORARY MULCHING			
1,250	LB	SEED FOR TEMPORARY SEEDING			
6	TON	FERTILIZER FOR TEMPORARY SEEDING			
400	LF	TEMPORARY SLOPE DRAINS			
100	LF	SAFETY FENCE			
2,800	CY	SILT EXCAVATION			
16,500	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
500	SY	PERMANENT SOIL REINFORCEMENT MAT			
900	LF	1/4" HARDWARE CLOTH			
600	LF	WATTLE			
200	LB	POLYACRYLAMIDE (PAM)			
600	LF	COIR FIBER BAFFLE			
5	EA	*** SKIMMER (1-1/2")			
25	ACR	SEEDING & MULCHING			
21	ACR	MOWING			
350	LB	SEED FOR REPAIR SEEDING			
1	TON	FERTILIZER FOR REPAIR SEEDING			
825	LB	SEED FOR SUPPLEMENTAL SEEDING			
25	TON	FERTILIZER TOPDRESSING			
10	MHR	SPECIALIZED HAND MOWING			
18	EA	RESPONSE FOR EROSION CONTROL			
1,370	LF	SIGNAL CABLE			
5	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
620	LF	MESSENGER CABLE (3/8")			
870	LF	UNPAVED TRENCHING (***** (1, 2"))			
9	EA	JUNCTION BOX (STANDARD SIZE)			
4	EA	WOOD POLE			
8	EA	GUY ASSEMBLY			
1	EA	1" RISER WITH WEATHERHEAD			
4	EA	2" RISER WITH WEATHERHEAD			
970	LF	INDUCTIVE LOOP SAWCUT			
3,530	LF	LEAD-IN CABLE (***** (14-2))			
1	EA	SIGN FOR SIGNALS			
1	EA	SIGNAL CABINET FOUNDATION			
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			
6	EA	DETECTOR CARD (TYPE 2070L)			
1	EA	TRAFFIC SIGNAL REMOVAL			

STRUCTURE ITEMS

67.5	LF	3'-6" DIA DRILLED PIERS IN SOIL
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FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 012

CONTRACT ID : C203146 50000.3.STR04T4E DIV OFFICE ALBEMARLE

LENGTH = 0.472 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, C&G, SIGNALS, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : NOV 11 2015

SR-1304 EXT (ROBERTA RD) GRADE SEPARATION OVER NORFOLK SOUTHERN/NCRR RAILROAD FROM SR-1161 TO NC-49 IN HARRISBURG.

ROADWAY ITEMS				
		0.2	CY	PIPE PLUGS
		24	CY	FLOWABLE FILL
		68	EA	MASONRY DRAINAGE STRUCTURES
		30.79	LF	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	1	EA	FRAME WITH GRATE, STD 840.22
Lump Sum	LS	6	EA	FRAME WITH GRATE, STD 840.29
Lump Sum	LS	8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
				(E)
5,500	CY	25	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
2	ACR			(F)
Lump Sum	LS	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
97,500	CY			(G)
2,340	CY	4	EA	FRAME WITH COVER, STD 840.54
250	CY	1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
950	SY			
1,448	TON	7,600	LF	2'-6" CONCRETE CURB & GUTTER
2,050	SY	3	EA	MODIFIED CONCRETE FLUME
20	LF	5,100	SY	4" CONCRETE SIDEWALK
240	LF	10	EA	CONCRETE CURB RAMP
132	LF	150	SY	6" CONCRETE DRIVEWAY
20	LF	530	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
128	LF	1	EA	ADJUSTMENT OF MANHOLES
100	LF	4	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
116	LF	1	EA	CONVERT EXISTING CATCH BASIN TO DROP INLET
3,516	LF	850	LF	STEEL BM GUARDRAIL
480	LF	3	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
28	LF			
500	LF	5	EA	ADDITIONAL GUARDRAIL POSTS
612	LF	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
130	LF	5	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
64	LF	510	TON	RIP RAP, CLASS I
88	LF	75	TON	RIP RAP, CLASS B
88	LF	2,450	SY	GEOTEXTILE FOR DRAINAGE
40	LF	380	TF	RAILROAD TRACK TO BE REMOVED
745	LF	10,000	TON	GENERIC TRACKWORK ITEM SUBBALLAST
2,563	CY	224.5	SF	CONTRACTOR FURNISHED, TYPE ***
200	TON			SIGN
				(E)
500	TON	6	SF	CONTRACTOR FURNISHED, TYPE ***
5,520	TON			SIGN
				(F)
300	TON	364	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
4,460	TON	31	EA	SIGN ERECTION, TYPE E
170	TON	1	EA	SIGN ERECTION, TYPE F
3,980	TON	3	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED)
				(E)
160	TON	20	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
730	TON	366	SF	WORK ZONE SIGNS (STATIONARY)
100	TON	224	SF	WORK ZONE SIGNS (PORTABLE)
45	CY	307	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
34	CY			
200	LF	1	EA	FLASHING ARROW BOARD
1	EA	2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
6	LF	117	EA	DRUMS
14.6	CY	120	EA	CONES
		232	LF	BARRICADES (TYPE III)
		3,000	HR	FLAGGER
		1	EA	TMA
		160	HR	LAW ENFORCEMENT
		120	EA	SKINNY DRUM
		20	EA	TEMPORARY RAISED PAVEMENT MARKERS
		3,214	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
		17,098	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)

			2,175	SY	PERMANENT SOIL REINFORCEMENT MAT
			2,100	LF	1/4" HARDWARE CLOTH
			1,500	LF	COIR FIBER WATTLE
			300	LB	POLYACRYLAMIDE (PAM)
			1,000	LF	COIR FIBER BAFFLE
			2	EA	*** SKIMMER (1-1/2")
			1	EA	*** SKIMMER (2-1/2")
			1	EA	*** SKIMMER (3")
			35	ACR	SEEDING & MULCHING
			25	ACR	MOWING
			500	LB	SEED FOR REPAIR SEEDING
			2	TON	FERTILIZER FOR REPAIR SEEDING
			1,000	LB	SEED FOR SUPPLEMENTAL SEEDING
			20	TON	FERTILIZER TOPDRESSING
			20	MHR	SPECIALIZED HAND MOWING
			40	EA	RESPONSE FOR EROSION CONTROL
			20	EA	GENERIC EROSION CONTROL ITEM SUPPLEMENTAL RESPONSE FOR EROSION CONTROL
			5	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
			4,055	LF	SIGNAL CABLE
			12	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
			4	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
			3	EA	APS DETECTOR STATION
			305	LF	MESSENGER CABLE (1/4")
			920	LF	MESSENGER CABLE (3/8")
			2,475	LF	TRACER WIRE
			2,455	LF	UNPAVED TRENCHING (***** (1, 2"))
			20	LF	UNPAVED TRENCHING (***** (2, 2"))
			10	EA	JUNCTION BOX (STANDARD SIZE)
			7	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
			4	EA	WOOD POLE
			8	EA	GUY ASSEMBLY
			4	EA	2" RISER WITH WEATHERHEAD
			1	EA	2" RISER WITH HEAT SHRINK TUBING
			1,575	LF	INDUCTIVE LOOP SAWCUT
			5,960	LF	LEAD-IN CABLE (***** (14-2))
			3,100	LF	COMMUNICATIONS CABLE (**FIBER) (12)
			4	EA	MODIFY SPLICE ENCLOSURE
			2	EA	INTERCONNECT CENTER
			2	EA	FIBER-OPTIC TRANSCEIVER, SELF-HEALING RING
			5	EA	DELINEATOR MARKER
			1	EA	CABLE TRANSFER
			2	EA	METAL STRAIN SIGNAL POLE
			2	EA	SOIL TEST
			12	CY	DRILLED PIER FOUNDATION
			2	EA	TYPE I POST WITH FOUNDATION
			2	EA	SIGNAL CABINET FOUNDATION
			3	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION
			2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
			19	EA	DETECTOR CARD (TYPE 2070L)
			2	EA	CABINET BASE ADAPTER
			2	EA	METAL POLE FOUNDATION REMOVAL
			2	EA	METAL POLE REMOVAL
					WALL ITEMS
			834.5	SF	GENERIC RETAINING WALL ITEM CIP GRAVITY RETAINING WALLS
					STRUCTURE ITEMS
			392	LF	**-*" DIA DRILLED PIERS (4'-0")
			1	EA	SID INSPECTIONS
			1	EA	CSL TESTING
708	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
807	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
278	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
85	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
1,820	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (I)			
1,820	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)			
54	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (I)			
54	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (IV)			
22,134	LF	PAINT PAVEMENT MARKING LINES (4")			
14	LF	PAINT PAVEMENT MARKING LINES (6")			
1,568	LF	PAINT PAVEMENT MARKING LINES (8")			
278	LF	PAINT PAVEMENT MARKING LINES (24")			
16	EA	PAINT PAVEMENT MARKING CHARACTER			
85	EA	PAINT PAVEMENT MARKING SYMBOL			
1,500	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
50	LF	REMOVAL OF PAVEMENT MARKING LINES (24")			
11	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS			
20	EA	PERMANENT RAISED PAVEMENT MARKERS			
518	LF	2" WATER LINE			
1,059	LF	6" WATER LINE			
1,169	LF	8" WATER LINE			
2	EA	2" VALVE			
2	EA	6" VALVE			
4	EA	8" VALVE			
1	EA	1" AIR RELEASE VALVE			
1	EA	2" BLOW OFF			
10	EA	RELOCATE WATER METER			
5	EA	RECONNECT WATER METER			
3	EA	FIRE HYDRANT			
324	LF	8" SANITARY GRAVITY SEWER			
647	LF	4" FORCE MAIN SEWER			
3	EA	4' DIA UTILITY MANHOLE			
1	EA	5' DIA UTILITY MANHOLE			
2.17	LF	UTILITY MANHOLE WALL, 4' DIA			
8.19	LF	UTILITY MANHOLE WALL, 5' DIA			
548	LF	ABANDON *** UTILITY PIPE (4")			
994	LF	ABANDON 6" UTILITY PIPE			
1,458	LF	ABANDON 8" UTILITY PIPE			
3	EA	REMOVE FIRE HYDRANT			
2	EA	REMOVE UTILITY MANHOLE			
222	LF	16" ENCASEMENT PIPE			
212	LF	18" ENCASEMENT PIPE			
111	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL			
111	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL			
106	LF	TRENCHLESS INSTALLATION OF 8" IN SOIL			
106	LF	TRENCHLESS INSTALLATION OF 8" NOT IN SOIL			
8,000	LF	TEMPORARY SILT FENCE			
800	TON	STONE FOR EROSION CONTROL, CLASS A			
1,000	TON	STONE FOR EROSION CONTROL, CLASS B			
900	TON	SEDIMENT CONTROL STONE			
40	ACR	TEMPORARY MULCHING			
1,200	LB	SEED FOR TEMPORARY SEEDING			
6	TON	FERTILIZER FOR TEMPORARY SEEDING			
800	LF	TEMPORARY SLOPE DRAINS			
200	LF	SAFETY FENCE			
3,000	CY	SILT EXCAVATION			
21,150	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			

Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+93.38-L-)
17,667	SF	REINFORCED CONCRETE DECK SLAB
16,835	SF	GROOVING BRIDGE FLOORS
650	CY	CLASS AA CONCRETE (BRIDGE)
364.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+93.38-L-)
91,535	LB	REINFORCING STEEL (BRIDGE)
2,023.5	LF	54" PRESTRESSED CONCRETE GIRDERS
1,800	LF	HP12X53 STEEL PILES
36	EA	STEEL PILE POINTS
439.6	LF	THREE BAR METAL RAIL
434.26	LF	*** CHAIN LINK FENCE (104")
1,340	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (16+93.38-L-)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 013

CONTRACT ID : C202810 33662.3.1

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.127 MI

COUNTY : WILKES

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : APR 14 2014

BRIDGE #718 OVER MIDDLE FORK REDDIES RIVER ON SR-1580.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (12+84.93-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
100	CY	UNDERCUT EXCAVATION
30	CY	DRAINAGE DITCH EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
200	SY	GEOTEXTILE FOR SOIL STABILIZATION
5	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
10	SY	FOUNDATION CONDITIONING GEOTEXTILE
20	LF	15" SIDE DRAIN PIPE
20	LF	PIPE REMOVAL
70	CY	SHALLOW UNDERCUT
125	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	INCIDENTAL STONE BASE
149	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
151	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
20	TON	ASPHALT BINDER FOR PLANT MIX
25	CY	SUBDRAIN EXCAVATION
20	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
100	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (T-101)
25	LF	TEMPORARY STEEL BM GUARDRAIL
25	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (TEMP RETROFIT)
2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)
30	TON	RIP RAP, CLASS II
30	TON	RIP RAP, CLASS B
580	SY	GEOTEXTILE FOR DRAINAGE
80	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
20	EA	DRUMS
20	EA	CONES
16	LF	BARRICADES (TYPE III)
960	HR	FLAGGER
20	EA	SKINNY DRUM
1,012	LF	PAINT PAVEMENT MARKING LINES (4")
500	LF	TEMPORARY SILT FENCE
160	TON	STONE FOR EROSION CONTROL, CLASS A
55	TON	STONE FOR EROSION CONTROL, CLASS B
60	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING

100	LF	TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
140	CY	SILT EXCAVATION
2,100	SY	MATTING FOR EROSION CONTROL
250	SY	COIR FIBER MAT
250	SY	PERMANENT SOIL REINFORCEMENT MAT
60	LF	1/4" HARDWARE CLOTH
2	EA	SPECIAL STILLING BASINS
150	LF	WATTLE
15	LF	COIR FIBER WATTLE
25	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLE
3	EA	*** SKIMMER (1-1/2")
1.5	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
1	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
15	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (12+84.93-L-)
1,150	SF	CONCRETE WEARING SURFACE
1,297	SF	GROOVING BRIDGE FLOORS
44.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (12+84.93-L-)
4,633	LB	REINFORCING STEEL (BRIDGE)
385	LF	HP12X53 STEEL PILES
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
436.807	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS
118	LF	GENERIC STRUCTURE ITEM TYPE T101 RAIL
2,020	SF	GENERIC STRUCTURE ITEM 18" STEEL SHEET PILES

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 014

CONTRACT ID : C203089 38489.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.072 MI

COUNTY : BUNCOMBE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : APR 30 2014

BRIDGE #655 OVER BROAD RIVER ON SR-2797.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (15+03-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
100	CY	UNDERCUT EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
200	SY	GEOTEXTILE FOR SOIL STABILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
10	SY	FOUNDATION CONDITIONING GEOTEXTILE
20	LF	15" DRAINAGE PIPE
2	EA	*** DRAINAGE PIPE ELBOWS (15")
50	CY	SHALLOW UNDERCUT
95	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	INCIDENTAL STONE BASE
95	SY	INCIDENTAL MILLING
130	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
225	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
21	TON	ASPHALT BINDER FOR PLANT MIX
20	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
9	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 OUTLET
6	LF	6" OUTLET PIPE
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.29
30	LF	SHOULDER BERM GUTTER
137.5	LF	STEEL BM GUARDRAIL
87.5	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350, TL-2)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
1	TON	RIP RAP, CLASS B
1,005	SY	GEOTEXTILE FOR DRAINAGE
129	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
7	EA	SIGN ERECTION, TYPE E
8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
161	SF	WORK ZONE SIGNS (STATIONARY)
109	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
64	LF	BARRICADES (TYPE III)
3,156	LF	PAINT PAVEMENT MARKING LINES (4")
56	LF	PAINT PAVEMENT MARKING LINES (24")
950	LF	TEMPORARY SILT FENCE
285	TON	STONE FOR EROSION CONTROL, CLASS A
15	TON	STONE FOR EROSION CONTROL, CLASS B
175	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING

0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
75	CY	SILT EXCAVATION
1,500	SY	MATTING FOR EROSION CONTROL
450	SY	COIR FIBER MAT
175	LF	1/4" HARDWARE CLOTH
6	EA	SPECIAL STILLING BASINS
45	LF	COIR FIBER WATTLE
15	LB	POLYACRYLAMIDE (PAM)
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
0.5	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (15+03.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+03.00-L-)
19.5	LF	3'-0" DIA DRILLED PIERS IN SOIL
34	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
7.4	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
3	EA	SID INSPECTIONS
6	EA	SPT TESTING
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+03.00-L-)
48	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+03.00-L-)
10,574	LB	REINFORCING STEEL (BRIDGE)
1,214	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
130	LF	HP12X53 STEEL PILES
240.5	LF	VERTICAL CONCRETE BARRIER RAIL
249	TON	RIP RAP CLASS II (2'-0" THICK)
277	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
960	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130416 015

CONTRACT ID : C203092 41536.3.1

DIV OFFICE SYLVA

LENGTH = 0.093 MI

COUNTY : TRANSYLVANIA

GRADING, DRAINAGE, PAVING AND CULVERT.

DBE GOAL 8.0% COMPLETION DATE : DEC 12 2014

BRIDGE #27 OVER ROCKY CREEK ON US-64.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
Lump Sum	LS	CONSTRUCTION SURVEYING	215	LF	CHAIN LINK FENCE, 48" FABRIC
Lump Sum	LS	GRADING	21	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	17	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
100	CY	UNDERCUT EXCAVATION	1	TON	RIP RAP, CLASS B
100	CY	SELECT GRANULAR MATERIAL	485	SY	GEOTEXTILE FOR DRAINAGE
464	SY	GEOTEXTILE FOR SOIL STABILIZATION	51	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
547	SF	TEMPORARY SHORING	4	EA	SIGN ERECTION, TYPE E
30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
90	SY	FOUNDATION CONDITIONING GEOTEXTILE	154	SF	WORK ZONE SIGNS (STATIONARY)
52	LF	15" SIDE DRAIN PIPE	149	SF	WORK ZONE SIGNS (PORTABLE)
96	LF	24" SIDE DRAIN PIPE	36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
128	LF	15" RC PIPE CULVERTS, CLASS IV	25	EA	DRUMS
64	LF	*** CS PIPE CULVERTS, ***** THICK (72", 0.168")	25	EA	CONES
235	LF	PIPE REMOVAL	48	LF	BARRICADES (TYPE III)
82	CY	SHALLOW UNDERCUT	1,920	HR	FLAGGER
155	TON	CLASS IV SUBGRADE STABILIZATION	2	EA	TMA
856	TON	AGGREGATE BASE COURSE	37	EA	SKINNY DRUM
150	TON	INCIDENTAL STONE BASE	65	EA	TEMPORARY RAISED PAVEMENT MARKERS
477	GAL	PRIME COAT	490	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	1,961	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
220	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	9,400	LF	PAINT PAVEMENT MARKING LINES (4")
560	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	3,200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
60	TON	ASPHALT BINDER FOR PLANT MIX	6	EA	SNOWFLOWABLE PAVEMENT MARKERS
56	CY	SUBDRAIN EXCAVATION	8,030	LF	TEMPORARY SILT FENCE
42	CY	SUBDRAIN FINE AGGREGATE	295	TON	STONE FOR EROSION CONTROL, CLASS A
250	LF	6" PERFORATED SUBDRAIN PIPE	215	TON	STONE FOR EROSION CONTROL, CLASS B
1	EA	SUBDRAIN PIPE OUTLET	285	TON	SEDIMENT CONTROL STONE
6	LF	6" OUTLET PIPE	1.25	ACR	TEMPORARY MULCHING
262	SF	SANDBAG HEADWALLS	50	LB	SEED FOR TEMPORARY SEEDING
3	EA	MASONRY DRAINAGE STRUCTURES	1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
1	EA	FRAME WITH TWO GRATES, STD 840.16	200	LF	TEMPORARY SLOPE DRAINS
2	EA	FRAME WITH TWO GRATES, STD 840.29	300	LF	SAFETY FENCE
110	SY	4" CONCRETE PAVED DITCH	380	CY	SILT EXCAVATION
215	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	3,500	SY	MATTING FOR EROSION CONTROL
600	LF	STEEL BM GUARDRAIL	100	SY	COIR FIBER MAT
80	LF	STEEL BM GUARDRAIL, SHOP CURVED	150	SY	PERMANENT SOIL REINFORCEMENT MAT
10	EA	ADDITIONAL GUARDRAIL POSTS	460	LF	1/4" HARDWARE CLOTH
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)	235	LF	*** TEMPORARY PIPE (18")
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77 SHOP CURVED)	240	SY	FLOATING TURBIDITY CURTAIN
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	6	EA	SPECIAL STILLING BASINS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	660	LF	COIR FIBER WATTLE
1	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	45	LB	POLYACRYLAMIDE (PAM)
390	LF	REMOVE EXISTING GUARDRAIL	100	LF	COIR FIBER BAFFLE
50	LF	TEMPORARY STEEL BM GUARDRAIL	2	EA	*** SKIMMER (1-1/2")
77	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)	1.5	ACR	SEEDING & MULCHING
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (AT-1)	0.75	ACR	MOWING
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)	50	LB	SEED FOR REPAIR SEEDING
			0.25	TON	FERTILIZER FOR REPAIR SEEDING
			50	LB	SEED FOR SUPPLEMENTAL SEEDING
			0.75	TON	FERTILIZER TOPDRESSING
			200	LF	IMPERVIOUS DIKE
			10	MHR	SPECIALIZED HAND MOWING
			25	EA	RESPONSE FOR EROSION CONTROL
			0.17	ACR	STREAMBANK REFORESTATION

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+89.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+89.00-L-)
72	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
126.9	CY	CLASS A CONCRETE (CULVERT)
17,252	LB	REINFORCING STEEL (CULVERT)
9	TON	RIP RAP, CLASS ** (I)

WALL ITEMS

1,260	SF	SOIL NAIL RETAINING WALLS
1	EA	SOIL NAIL VERIFICATION TESTS
5	EA	SOIL NAIL PROOF TESTS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130521 001

CONTRACT ID : C202947 34416.3.3

DIV OFFICE FAYETTEVILLE

LENGTH = 6.807 MI

COUNTY : CUMBERLAND

GRADING, DRAINAGE, PAVING & SIGNALS.

MBE GOAL 7.0% WBE 7.0% COMPLETION DATE : MAR 14 2017

NC-24 FROM WEST OF SR-1006 (MAXWELL RD/CLINTON RD) TO SR-1853 (JOHN NUNNERY RD).

ROADWAY ITEMS					
			71,660	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
			3,410	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
Lump Sum	LS	MOBILIZATION	56,170	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
Lump Sum	LS	CONSTRUCTION SURVEYING	1,190	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	7,310	TON	ASPHALT BINDER FOR PLANT MIX
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	1,417	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
19	EA	SEALING ABANDONED WELLS	140	EA	CONTROL OF ACCESS MARKERS
48,450	CY	UNCLASSIFIED EXCAVATION	100.8	CY	SUBDRAIN EXCAVATION
11,500	CY	UNDERCUT EXCAVATION	300	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
999,500	CY	BORROW EXCAVATION	50.4	CY	SUBDRAIN COARSE AGGREGATE
10,100	CY	DRAINAGE DITCH EXCAVATION	300	LF	6" PERFORATED SUBDRAIN PIPE
64,640	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1	EA	SUBDRAIN PIPE OUTLET
16,530	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	6	LF	6" OUTLET PIPE
70	HR	PROOF ROLLING	19.3	CY	ENDWALLS
17,000	CY	SELECT GRANULAR MATERIAL, CLASS III	32.8	CY	REINFORCED ENDWALLS
17,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	0.399	CY	PIPE COLLARS
4,500	TON	ROCK EMBANKMENTS	20	CY	FLOWABLE FILL
1,500	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	101	EA	MASONRY DRAINAGE STRUCTURES
3,864	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	30	LF	MASONRY DRAINAGE STRUCTURES
6,200	SY	FOUNDATION CONDITIONING GEOTEXTILE	31	EA	FRAME WITH TWO GRATES, STD 840.16
864	LF	15" SIDE DRAIN PIPE	68	EA	FRAME WITH TWO GRATES, STD 840.24
988	LF	18" SIDE DRAIN PIPE	31	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
72	LF	24" SIDE DRAIN PIPE	4,450	LF	1'-6" CONCRETE CURB & GUTTER
4,524	LF	15" RC PIPE CULVERTS, CLASS III	580	SY	6" CONCRETE DRIVEWAY
2,256	LF	18" RC PIPE CULVERTS, CLASS III	4,620	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
2,336	LF	24" RC PIPE CULVERTS, CLASS III	462.5	LF	STEEL BM GUARDRAIL
1,200	LF	30" RC PIPE CULVERTS, CLASS III	5	EA	ADDITIONAL GUARDRAIL POSTS
388	LF	36" RC PIPE CULVERTS, CLASS III	1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
204	LF	42" RC PIPE CULVERTS, CLASS III	1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,076	LF	48" RC PIPE CULVERTS, CLASS III	58,770	LF	WOVEN WIRE FENCE, 47" FABRIC
312	LF	72" RC PIPE CULVERTS, CLASS III	3,660	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
332	LF	***** RC PIPE CULVERTS, CLASS IV (48")	1,001	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
1,936	LF	15" RC PIPE CULVERTS, CLASS IV	240	LF	CHAIN LINK FENCE, *** FABRIC (72")
1,192	LF	18" RC PIPE CULVERTS, CLASS IV	390	LF	CHAIN LINK FENCE, 48" FABRIC
176	LF	24" RC PIPE CULVERTS, CLASS IV	30	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")
272	LF	30" RC PIPE CULVERTS, CLASS IV	40	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
248	LF	36" RC PIPE CULVERTS, CLASS IV	6	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")
6	EA	*** PIPE END SECTION (15")	3	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
21	EA	*** PIPE END SECTION (18")	2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (72")
200	LF	18" CS PIPE CULVERTS, 0.064" THICK	6,000	LF	ADDITIONAL BARBED WIRE
3,820	LF	PIPE REMOVAL	4	EA	GENERIC FENCING ITEM METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE
1	EA	PIPE CLEAN-OUT	2	EA	GENERIC FENCING ITEM DOUBLE GATES, 47" HIGH, 6' WIDE, 12' OPENING (WOVEN WIRE)
Lump Sum	LS	FINE GRADING	1	EA	GENERIC FENCING ITEM DOUBLE GATES, 72" HIGH, 6' WIDE, 12' OPENING (CHAIN LINK)
2,900	TON	#57 STONE	340	TON	RIP RAP, CLASS I
600	CY	SHALLOW UNDERCUT	520	TON	RIP RAP, CLASS B
1,100	TON	CLASS IV SUBGRADE STABILIZATION	6,125	SY	GEOTEXTILE FOR DRAINAGE
15,000	TON	STABILIZER AGGREGATE	2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
153,300	TON	AGGREGATE BASE COURSE	3,592	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2,649	TON	INCIDENTAL STONE BASE	12	EA	SIGN ERECTION, TYPE D
6,433	GAL	PRIME COAT			
1,200	SY	INCIDENTAL MILLING			
4,770	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
1,340	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			

			75	LF	TRENCHLESS INSTALLATION OF 2" NOT IN SOIL
			75	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL
144	EA	SIGN ERECTION, TYPE E	75	LF	TRENCHLESS INSTALLATION OF 10" NOT IN SOIL
36	EA	SIGN ERECTION, TYPE F	220	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
49	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	220	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
6	EA	DISPOSAL OF SIGN SYSTEM, WOOD	53	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL
1,400	SF	WORK ZONE SIGNS (STATIONARY)	53	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL
288	SF	WORK ZONE SIGNS (PORTABLE)	Lump Sum	LS	WATER PUMP STATION
310	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	17	EA	GENERIC UTILITY ITEM
2	EA	FLASHING ARROW BOARD	11	EA	GENERIC UTILITY ITEM
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	160,000	LF	TEMPORARY SILT FENCE
98	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	5,420	TON	STONE FOR EROSION CONTROL, CLASS A
300	EA	DRUMS	10,000	TON	STONE FOR EROSION CONTROL, CLASS B
50	EA	CONES	6,000	TON	SEDIMENT CONTROL STONE
495	LF	BARRICADES (TYPE III)	300	ACR	TEMPORARY MULCHING
520	DAY	FLAGGER	6,300	LB	SEED FOR TEMPORARY SEEDING
2	EA	TMA	26	TON	FERTILIZER FOR TEMPORARY SEEDING
160	HR	LAW ENFORCEMENT	10,000	LF	TEMPORARY SLOPE DRAINS
1,952	EA	TEMPORARY RAISED PAVEMENT MARKERS	10,000	LF	SAFETY FENCE
225,706	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	32,100	CY	SILT EXCAVATION
44,088	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	130,000	SY	MATTING FOR EROSION CONTROL
114	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1,475	SY	COIR FIBER MAT
11,662	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	650	SY	PERMANENT SOIL REINFORCEMENT MAT
2,854	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	4,000	LF	1/4" HARDWARE CLOTH
1,068	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	20	LF	TEMPORARY PIPE FOR STREAM CROSSING
72	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	700	SY	FLOATING TURBIDITY CURTAIN
364	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	8	EA	SPECIAL STILLING BASINS
578,300	LF	PAINT PAVEMENT MARKING LINES (4")	16,700	LF	WATTLE
600	LF	PAINT PAVEMENT MARKING LINES (8")	500	LF	COIR FIBER WATTLE
450	LF	PAINT PAVEMENT MARKING LINES (24")	12,700	LB	POLYACRYLAMIDE (PAM)
106	EA	PAINT PAVEMENT MARKING CHARACTER	10,000	LF	COIR FIBER BAFFLE
330	EA	PAINT PAVEMENT MARKING SYMBOL	9	EA	*** SKIMMER (1-1/2")
35,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	225	ACR	SEEDING & MULCHING
40	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	150	ACR	MOWING
20	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	3,000	LB	SEED FOR REPAIR SEEDING
2,622	EA	SNOWPLOWABLE PAVEMENT MARKERS	10.75	TON	FERTILIZER FOR REPAIR SEEDING
1,255	LF	*** WATER LINE (2")	5,925	LB	SEED FOR SUPPLEMENTAL SEEDING
2,314	LF	6" WATER LINE	177.25	TON	FERTILIZER TOPDRESSING
8,046	LF	8" WATER LINE	50	MHR	SPECIALIZED HAND MOWING
150	LF	10" WATER LINE	150	EA	RESPONSE FOR EROSION CONTROL
11,386	LF	12" WATER LINE	3.5	ACR	REFORESTATION
440	LF	16" WATER LINE	0.83	ACR	STREAMBANK REFORESTATION
5	EA	2" VALVE	3,020	LF	SIGNAL CABLE
8	EA	6" VALVE	27	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
7	EA	8" VALVE	1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
8	EA	12" VALVE	1,540	LF	MESSENGER CABLE (3/8")
1	EA	8" TAPPING VALVE	3,040	LF	UNPAVED TRENCHING (***** (1, 2"))
1	EA	12" TAPPING VALVE	135	LF	DIRECTIONAL DRILL (***** (1, 2"))
8	EA	2" AIR RELEASE VALVE	150	LF	DIRECTIONAL DRILL (***** (2, 2"))
6	EA	2" BLOW OFF	31	EA	JUNCTION BOX (STANDARD SIZE)
57	EA	RELOCATE WATER METER	3,300	LF	INDUCTIVE LOOP SAWCUT
1	EA	RECONNECT WATER METER	11,650	LF	LEAD-IN CABLE (***** (14-2))
8	EA	FIRE HYDRANT	3	EA	FURNISH WIRELESS LIGHTNING ARRESTOR
10	EA	RELOCATE FIRE HYDRANT	3	EA	900MHZ RADIO
298	LF	8" SANITARY GRAVITY SEWER	12	EA	METAL STRAIN SIGNAL POLE
783	LF	10" SANITARY GRAVITY SEWER	12	EA	SOIL TEST
3,025	LF	12" SANITARY GRAVITY SEWER	84	CY	DRILLED PIER FOUNDATION
10,045	LF	10" FORCE MAIN SEWER	7	EA	SIGN FOR SIGNALS
17	EA	4" DIA UTILITY MANHOLE	7	EA	TYPE II PEDESTAL WITH FOUNDATION
8	EA	5" DIA UTILITY MANHOLE	6	EA	SIGNAL CABINET FOUNDATION
32	LF	UTILITY MANHOLE WALL, 4" DIA	6	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
8,042	LF	ABANDON 8" UTILITY PIPE	16	EA	DETECTOR CARD (TYPE 2070L)
10,368	LF	ABANDON 10" UTILITY PIPE	6	EA	CABINET BASE EXTENDER
12,427	LF	ABANDON 12" UTILITY PIPE	1	EA	TRAFFIC SIGNAL REMOVAL
4	EA	REMOVE WATER METER			
17	EA	ABANDON UTILITY MANHOLE			
476	LF	24" ENCASEMENT PIPE			
75	LF	TRENCHLESS INSTALLATION OF 2" IN SOIL			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130521 002

CONTRACT ID : C203087 34416.3.4

DIV OFFICE FAYETTEVILLE

LENGTH = 6.699 MI

COUNTY : CUMBERLAND, SAMPSON

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

MBE GOAL 7.0% WBE 7.0% COMPLETION DATE : MAR 14 2017

NC-24 FROM SR-1853 (JOHN NUNNERY RD) IN CUMBERLAND COUNTY TO SR-1404 (DOWDY RD) IN SAMPSON COUNTY.

ROADWAY ITEMS					
			4	EA	*** PIPE END SECTION (15")
			5	EA	*** PIPE END SECTION (18")
Lump Sum	LS	MOBILIZATION	2	EA	*** PIPE END SECTION (24")
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	292	LF	15" CS PIPE CULVERTS, 0.064" THICK
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	10	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
12	EA	SEALING ABANDONED WELLS	2,700	LF	PIPE REMOVAL
42,600	CY	UNCLASSIFIED EXCAVATION	Lump Sum	LS	FINE GRADING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (397+87.00 LEFT LANE)	980	TON	#57 STONE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (397+87.00 RIGHT LANE)	20,000	TON	STABILIZER AGGREGATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (660+21.00 LEFT LANE)	12,900	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (660+21.00 RIGHT LANE)	178,910	TON	AGGREGATE BASE COURSE
62,100	CY	UNDERCUT EXCAVATION	6,476	TON	INCIDENTAL STONE BASE
983,600	CY	BORROW EXCAVATION	123,000	GAL	PRIME COAT
18,700	CY	DRAINAGE DITCH EXCAVATION	780	SY	INCIDENTAL MILLING
850	LF	BERM DITCH CONSTRUCTION	1,530	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
41,500	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	7,000	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
16,590	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	54,290	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
70	HR	PROOF ROLLING	54,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
65,500	CY	SELECT GRANULAR MATERIAL, CLASS III	2,080	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
67,600	SY	GEOTEXTILE FOR SOIL STABILIZATION	6,310	TON	ASPHALT BINDER FOR PLANT MIX
2,473.3	SF	TEMPORARY SHORING	1,300	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
1,800	TON	ROCK EMBANKMENTS	500	TON	GENERIC PAVING ITEM JOINT REPAIR
1,050	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	15	EA	CONTROL OF ACCESS MARKERS
2,530	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1,142.4	CY	SUBDRAIN EXCAVATION
7,960	SY	FOUNDATION CONDITIONING GEOTEXTILE	3,400	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
72	LF	*** SIDE DRAIN PIPE (30")	571.2	CY	SUBDRAIN COARSE AGGREGATE
976	LF	15" SIDE DRAIN PIPE	3,400	LF	6" PERFORATED SUBDRAIN PIPE
651	LF	18" SIDE DRAIN PIPE	7	EA	SUBDRAIN PIPE OUTLET
820	LF	24" SIDE DRAIN PIPE	42	LF	6" OUTLET PIPE
4	EA	*** SIDE DRAIN PIPE ELBOWS (15")	26	CY	ENDWALLS
3	EA	*** SIDE DRAIN PIPE ELBOWS (18")	14	CY	REINFORCED ENDWALLS
4,836	LF	15" RC PIPE CULVERTS, CLASS III	0.447	CY	PIPE COLLARS
2,472	LF	18" RC PIPE CULVERTS, CLASS III	151	EA	MASONRY DRAINAGE STRUCTURES
2,996	LF	24" RC PIPE CULVERTS, CLASS III	7	CY	MASONRY DRAINAGE STRUCTURES
1,124	LF	30" RC PIPE CULVERTS, CLASS III	161	LF	MASONRY DRAINAGE STRUCTURES
204	LF	36" RC PIPE CULVERTS, CLASS III	2	EA	FRAME WITH GRATE, STD 840.24
600	LF	42" RC PIPE CULVERTS, CLASS III	14	EA	FRAME WITH TWO GRATES, STD 840.16
796	LF	48" RC PIPE CULVERTS, CLASS III	108	EA	FRAME WITH TWO GRATES, STD 840.24
344	LF	54" RC PIPE CULVERTS, CLASS III	28	EA	FRAME WITH TWO GRATES, STD 840.29
176	LF	66" RC PIPE CULVERTS, CLASS III	13	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
196	LF	***** RC PIPE CULVERTS, CLASS IV (48")	7,760	LF	SHOULDER BERM GUTTER
4,204	LF	15" RC PIPE CULVERTS, CLASS IV	110	SY	6" CONCRETE DRIVEWAY
1,184	LF	18" RC PIPE CULVERTS, CLASS IV	30	SY	4" CONCRETE PAVED DITCH
564	LF	24" RC PIPE CULVERTS, CLASS IV	5,880	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
1,160	LF	30" RC PIPE CULVERTS, CLASS IV	10,450	LF	STEEL BM GUARDRAIL
192	LF	36" RC PIPE CULVERTS, CLASS IV	100	LF	STEEL BM GUARDRAIL, SHOP CURVED
			2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10	EA	ADDITIONAL GUARDRAIL POSTS
			8	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			22	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
			16	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77

			12,252	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	
			68	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	
825	LF	REMOVE EXISTING GUARDRAIL				
2,150	LF	TEMPORARY STEEL BM GUARDRAIL	1,745	EA	SNOWPLOWABLE PAVEMENT MARKERS	
7	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	112	LF	3" WATER LINE	
			223	LF	4" WATER LINE	
65,980	LF	WOVEN WIRE FENCE, 47" FABRIC	2,438	LF	6" WATER LINE	
4,112	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	17,050	LF	8" WATER LINE	
			4,400	LF	10" WATER LINE	
1,115	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	6	EA	6" VALVE	
			25	EA	8" VALVE	
1,690	LF	CHAIN LINK FENCE, 48" FABRIC	5	EA	10" VALVE	
150	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	11	EA	3/4" WATER METER	
			4	EA	RELOCATE WATER METER	
8	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	2	EA	RECONNECT WATER METER	
			7	EA	FIRE HYDRANT	
6,800	LF	ADDITIONAL BARBED WIRE	17,917	LF	ABANDON 8" UTILITY PIPE	
3	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47" HIGH, 10' WIDE, 20' OPENING)	4,448	LF	ABANDON 10" UTILITY PIPE	
			13	EA	REMOVE WATER METER	
1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47" HIGH, 6' WIDE, 12' OPENING)	5	EA	REMOVE FIRE HYDRANT	
			399	LF	12" ENCASEMENT PIPE	
			898	LF	16" ENCASEMENT PIPE	
			1,822	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL	
2	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47" HIGH, 8' WIDE, 16' OPENING)	Lump Sum	LS	GENERIC UTILITY ITEM RELOCATION OF WATER BOOSTER PUMP STATION	
			130,000	LF	TEMPORARY SILT FENCE	
12	EA	GENERIC FENCING ITEM METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE	7,700	TON	STONE FOR EROSION CONTROL, CLASS A	
			22,125	TON	STONE FOR EROSION CONTROL, CLASS B	
725	LF	RELAPPING GUARDRAIL	13,400	TON	SEDIMENT CONTROL STONE	
690	TON	RIP RAP, CLASS I	200	ACR	TEMPORARY MULCHING	
1,700	TON	RIP RAP, CLASS B	7,500	LB	SEED FOR TEMPORARY SEEDING	
20	TON	BOULDERS	31.5	TON	FERTILIZER FOR TEMPORARY SEEDING	
10,500	SY	GEOTEXTILE FOR DRAINAGE	10,100	LF	TEMPORARY SLOPE DRAINS	
3	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	11,600	LF	SAFETY FENCE	
4,292	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	49,100	CY	SILT EXCAVATION	
20	EA	SIGN ERECTION, TYPE D	140,000	SY	MATTING FOR EROSION CONTROL	
163	EA	SIGN ERECTION, TYPE E	12,000	SY	COIR FIBER MAT	
57	EA	SIGN ERECTION, TYPE F	1,200	SY	PERMANENT SOIL REINFORCEMENT MAT	
51	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	4,350	LF	1/4" HARDWARE CLOTH	
3,006	SF	WORK ZONE SIGNS (STATIONARY)	120	LF	*** TEMPORARY PIPE (18")	
352	SF	WORK ZONE SIGNS (PORTABLE)	40	LF	TEMPORARY PIPE FOR STREAM CROSSING	
421	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	550	SY	FLOATING TURBIDITY CURTAIN	
			12	EA	SPECIAL STILLING BASINS	
2	EA	FLASHING ARROW BOARD	23,100	LF	COIR FIBER WATTLE	
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	17,000	LB	POLYACRYLAMIDE (PAM)	
240	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	21,450	LF	COIR FIBER BAFFLE	
			60	EA	*** SKIMMER (1-1/2")	
850	EA	DRUMS	5	EA	*** SKIMMER (2")	
100	EA	CONES	2	EA	*** SKIMMER (2-1/2")	
1,500	LF	BARRICADES (TYPE III)	200	ACR	SEEDING & MULCHING	
520	DAY	FLAGGER	100	ACR	MOWING	
2	EA	TEMPORARY CRASH CUSHIONS	2,950	LB	SEED FOR REPAIR SEEDING	
2	EA	TMA	11	TON	FERTILIZER FOR REPAIR SEEDING	
480	LF	PORTABLE CONCRETE BARRIER	5,950	LB	SEED FOR SUPPLEMENTAL SEEDING	
48	HR	LAW ENFORCEMENT	179	TON	FERTILIZER TOPDRESSING	
1,136	EA	TEMPORARY RAISED PAVEMENT MARKERS	100	LF	IMPERVIOUS DIKE	
			100	MHR	SPECIALIZED HAND MOWING	
167,860	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	200	EA	RESPONSE FOR EROSION CONTROL	
40,671	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	180	CY	CULVERT DIVERSION CHANNEL	
13,511	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	9	ACR	REFORESTATION	
			0.7	ACR	STREAMBANK REFORESTATION	
311	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)				
782	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)				
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)				
248	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)				
9,244	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)				
498,132	LF	PAINT PAVEMENT MARKING LINES (4")	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (713+35.00-L-)	
352	LF	PAINT PAVEMENT MARKING LINES (8")	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (713+35.00-L-)	
94	LF	PAINT PAVEMENT MARKING LINES (12")	245	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	
1,574	LF	PAINT PAVEMENT MARKING LINES (24")	284.5	CY	CLASS A CONCRETE (CULVERT)	
8	EA	PAINT PAVEMENT MARKING CHARACTER	34,438	LB	REINFORCING STEEL (CULVERT)	
40	EA	PAINT PAVEMENT MARKING SYMBOL				

CULVERT ITEMS

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (397+87.00-LREV-LTLN)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (397+87.00-LREV-RTLN)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (660+21.00-L-LTLN)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (660+21.00-L-RTLN)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (660+21.00-L-LTLN)
6	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (397+87.00-LREV-LTLN)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (397+87.00-LREV-RTLN)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (660+21.00-L-LTLN)
108,356	SF	REINFORCED CONCRETE DECK SLAB
97,012	SF	GROOVING BRIDGE FLOORS
798.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (397+87.00-LREV-LTLN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (397+87.00-LREV-RTLN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (660+21.00-L-LTLN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (660+21.00-L-RTLN)
119,855	LB	REINFORCING STEEL (BRIDGE)
1,255.66	LF	45" PRESTRESSED CONCRETE GIR- DERS
9,673.34	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
3.270	LF	HP12X53 STEEL PILES
14,990	LF	HP12X53 GALVANIZED STEEL PILES
300	LF	PP ** X **** GALVANIZED STEEL PILES (24X0.50)
1,125	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
19	EA	PIPE PILE PLATES
131	EA	PILE REDRIVES
5,594.7	LF	CONCRETE BARRIER RAIL
1,528	TON	RIP RAP CLASS II (2'-0" THICK)
1,697	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130521 003

CONTRACT ID : C203332 34416.3.3

DIV OFFICE FAYETTEVILLE

LENGTH = 13.506 MI

COUNTY : CUMBERLAND, SAMPSON

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.

MBE GOAL 7.0% WBE 7.0% COMPLETION DATE : MAR 14 2017

NC-24 FROM WEST OF SR-1006 (MAXWELL RD/CLINTON RD) TO SR-1404 (DOWDY RD) IN SAMPSON COUNTY.

ROADWAY ITEMS					
			440	LF	36" RC PIPE CULVERTS, CLASS IV
			10	EA	*** PIPE END SECTION (15")
			26	EA	*** PIPE END SECTION (18")
			2	EA	*** PIPE END SECTION (24")
			292	LF	15" CS PIPE CULVERTS, 0.064" THICK
			200	LF	18" CS PIPE CULVERTS, 0.064" THICK
			10	EA	*** CS PIPE ELBOWS, ***** (15", 0.064")
			6,520	LF	PIPE REMOVAL
			1	EA	PIPE CLEAN-OUT
Lump Sum	LS	MOBILIZATION	Lump Sum	LS	FINE GRADING
Lump Sum	LS	CONSTRUCTION SURVEYING	3,880	TON	#57 STONE
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	600	CY	SHALLOW UNDERCUT
6	ACR	SUPPLEMENTARY CLEARING & GRUBBING	1,100	TON	CLASS IV SUBGRADE STABILIZATION
31	EA	SEALING ABANDONED WELLS	35,000	TON	STABILIZER AGGREGATE
91,050	CY	UNCLASSIFIED EXCAVATION	12,900	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (397+87.00 LEFT LANE)	332,210	TON	AGGREGATE BASE COURSE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (397+87.00 RIGHT LANE)	9,125	TON	INCIDENTAL STONE BASE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (660+21.00 LEFT LANE)	129,433	GAL	PRIME COAT
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (660+21.00 RIGHT LANE)	1,980	SY	INCIDENTAL MILLING
73,600	CY	UNDERCUT EXCAVATION	6,300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
1,983,100	CY	BORROW EXCAVATION	8,340	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
28,800	CY	DRAINAGE DITCH EXCAVATION	125,950	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
850	LF	BERM DITCH CONSTRUCTION	3,410	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
106,140	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	110,170	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
33,120	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	3,270	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
140	HR	PROOF ROLLING	13,620	TON	ASPHALT BINDER FOR PLANT MIX
82,500	CY	SELECT GRANULAR MATERIAL, CLASS III	2,717	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
85,100	SY	GEOTEXTILE FOR SOIL STABILIZATION	500	TON	GENERIC PAVING ITEM JOINT REPAIR
2,473.3	SF	TEMPORARY SHORING	155	EA	CONTROL OF ACCESS MARKERS
6,300	TON	ROCK EMBANKMENTS	1,243.2	CY	SUBDRAIN EXCAVATION
2,550	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	3,700	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
6,394	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	621.6	CY	SUBDRAIN COARSE AGGREGATE
14,160	SY	FOUNDATION CONDITIONING GEOTEXTILE	3,700	LF	6" PERFORATED SUBDRAIN PIPE
72	LF	*** SIDE DRAIN PIPE (30")	8	EA	SUBDRAIN PIPE OUTLET
1,840	LF	15" SIDE DRAIN PIPE	48	LF	6" OUTLET PIPE
1,639	LF	18" SIDE DRAIN PIPE	45.3	CY	ENDWALLS
892	LF	24" SIDE DRAIN PIPE	46.8	CY	REINFORCED ENDWALLS
4	EA	*** SIDE DRAIN PIPE ELBOWS (15")	0.846	CY	PIPE COLLARS
3	EA	*** SIDE DRAIN PIPE ELBOWS (18")	20	CY	FLOWABLE FILL
9,360	LF	15" RC PIPE CULVERTS, CLASS III	252	EA	MASONRY DRAINAGE STRUCTURES
4,728	LF	18" RC PIPE CULVERTS, CLASS III	7	CY	MASONRY DRAINAGE STRUCTURES
5,332	LF	24" RC PIPE CULVERTS, CLASS III	191	LF	MASONRY DRAINAGE STRUCTURES
2,324	LF	30" RC PIPE CULVERTS, CLASS III	2	EA	FRAME WITH GRATE, STD 840.24
592	LF	36" RC PIPE CULVERTS, CLASS III	45	EA	FRAME WITH TWO GRATES, STD 840.16
804	LF	42" RC PIPE CULVERTS, CLASS III	176	EA	FRAME WITH TWO GRATES, STD 840.24
1,872	LF	48" RC PIPE CULVERTS, CLASS III	28	EA	FRAME WITH TWO GRATES, STD 840.29
344	LF	54" RC PIPE CULVERTS, CLASS III	44	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
176	LF	66" RC PIPE CULVERTS, CLASS III	4,450	LF	1'-6" CONCRETE CURB & GUTTER
312	LF	72" RC PIPE CULVERTS, CLASS III	7,760	LF	SHOULDER BERM GUTTER
528	LF	***** RC PIPE CULVERTS, CLASS IV (48")	690	SY	6" CONCRETE DRIVEWAY
6,140	LF	15" RC PIPE CULVERTS, CLASS IV	30	SY	4" CONCRETE PAVED DITCH
2,376	LF	18" RC PIPE CULVERTS, CLASS IV	5,880	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
740	LF	24" RC PIPE CULVERTS, CLASS IV	4,620	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1,432	LF	30" RC PIPE CULVERTS, CLASS IV	10,912.5	LF	STEEL BM GUARDRAIL

			208	HR	LAW ENFORCEMENT
			3,088	EA	TEMPORARY RAISED PAVEMENT MARKERS
100	LF	STEEL BM GUARDRAIL, SHOP CURVED	393,566	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	84,759	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
15	EA	ADDITIONAL GUARDRAIL POSTS	114	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
9	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	25,173	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
23	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	3,165	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	1,850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
16	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	80	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
825	LF	REMOVE EXISTING GUARDRAIL	612	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2,150	LF	TEMPORARY STEEL BM GUARDRAIL	9,244	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
7	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	1,076,432	LF	PAINT PAVEMENT MARKING LINES (4")
124,750	LF	WOVEN WIRE FENCE, 47" FABRIC	952	LF	PAINT PAVEMENT MARKING LINES (8")
7,772	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	94	LF	PAINT PAVEMENT MARKING LINES (12")
2,116	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	2,024	LF	PAINT PAVEMENT MARKING LINES (24")
240	LF	CHAIN LINK FENCE, *** FABRIC (72")	114	EA	PAINT PAVEMENT MARKING CHARACTER
2,080	LF	CHAIN LINK FENCE, 48" FABRIC	370	EA	PAINT PAVEMENT MARKING SYMBOL
30	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")	47,252	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
190	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	108	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
6	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")	20	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
11	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	4,367	EA	SNOWPLOWABLE PAVEMENT MARKERS
2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (72")	1,255	LF	*** WATER LINE (2")
12,800	LF	ADDITIONAL BARBED WIRE	112	LF	3" WATER LINE
3	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47" HIGH, 10' WIDE, 20' OPENING)	223	LF	4" WATER LINE
1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47" HIGH, 6' WIDE, 12' OPENING)	4,752	LF	6" WATER LINE
2	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47" HIGH, 8' WIDE, 16' OPENING)	25,096	LF	8" WATER LINE
16	EA	GENERIC FENCING ITEM	4,550	LF	10" WATER LINE
		METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE	11,386	LF	12" WATER LINE
2	EA	GENERIC FENCING ITEM	440	LF	16" WATER LINE
		DOUBLE GATES, 47" HIGH, 6' WIDE, 12' OPENING (WOVEN WIRE)	5	EA	2" VALVE
1	EA	GENERIC FENCING ITEM	14	EA	6" VALVE
		DOUBLE GATES, 72" HIGH, 6' WIDE, 12' OPENING (CHAIN LINK)	32	EA	8" VALVE
725	LF	RELAPPING GUARDRAIL	5	EA	10" VALVE
1,030	TON	RIP RAP, CLASS I	8	EA	12" VALVE
2,220	TON	RIP RAP, CLASS B	1	EA	8" TAPPING VALVE
20	TON	BOULDERS	1	EA	12" TAPPING VALVE
16,625	SY	GEOTEXTILE FOR DRAINAGE	8	EA	2" AIR RELEASE VALVE
5	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	6	EA	2" BLOW OFF
7,884	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	11	EA	3/4" WATER METER
32	EA	SIGN ERECTION, TYPE D	61	EA	RELOCATE WATER METER
307	EA	SIGN ERECTION, TYPE E	3	EA	RECONNECT WATER METER
93	EA	SIGN ERECTION, TYPE F	15	EA	FIRE HYDRANT
100	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	10	EA	RELOCATE FIRE HYDRANT
6	EA	DISPOSAL OF SIGN SYSTEM, WOOD	298	LF	8" SANITARY GRAVITY SEWER
4,406	SF	WORK ZONE SIGNS (STATIONARY)	783	LF	10" SANITARY GRAVITY SEWER
640	SF	WORK ZONE SIGNS (PORTABLE)	3,025	LF	12" SANITARY GRAVITY SEWER
731	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	10,045	LF	10" FORCE MAIN SEWER
4	EA	FLASHING ARROW BOARD	17	EA	4' DIA UTILITY MANHOLE
8	EA	PORTABLE CHANGEABLE MESSAGE SIGN	8	EA	5' DIA UTILITY MANHOLE
338	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	32	LF	UTILITY MANHOLE WALL, 4' DIA
1,150	EA	DRUMS	25,959	LF	ABANDON 8" UTILITY PIPE
150	EA	CONES	14,816	LF	ABANDON 10" UTILITY PIPE
1,995	LF	BARRICADES (TYPE III)	12,427	LF	ABANDON 12" UTILITY PIPE
1,040	DAY	FLAGGER	17	EA	REMOVE WATER METER
2	EA	TEMPORARY CRASH CUSHIONS	5	EA	REMOVE FIRE HYDRANT
4	EA	TMA	17	EA	ABANDON UTILITY MANHOLE
480	LF	PORTABLE CONCRETE BARRIER	399	LF	12" ENCASEMENT PIPE
			898	LF	16" ENCASEMENT PIPE
			476	LF	24" ENCASEMENT PIPE
			75	LF	TRENCHLESS INSTALLATION OF 2" IN SOIL
			75	LF	TRENCHLESS INSTALLATION OF 2" NOT IN SOIL
			1,897	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL
			75	LF	TRENCHLESS INSTALLATION OF 10" NOT IN SOIL
			220	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
			220	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL

