



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".

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
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 SEPTEMBER 17, 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 AUGUST 20, 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) 482-1850
00002	John W Rouse, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Fussell, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	John Rouse, P. E.	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) 487-0000
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	Ed Green, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L130917

RPN	Contract Id	WBS	County	Length	JobType
001	C203161	34416.3.S1	SAMPSON	6.949 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
002	C203162	34416.3.S2	SAMPSON	6.730 MI	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.
003	C203427	34416.3.S1 ETC.	SAMPSON	13.679 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
**004	C203198	34491.3.GVS4	BRUNSWICK, NEW HANOVER	2.940 MI	GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.
**005	C203197	34820.3.GVS5	GUILFORD	3.874 MI	GRADING, DRAINAGE, PAVING, ITS, AND STRUCTURES.
007	C203387	46140.3.FS1	FRANKLIN, VANCE	19.461 MI	GUIDERAIL AND GUARDRAIL INSTALLATION.
008	C203428	5CR.10731.13 ETC	PERSON	14.040 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
009	C203155	38385.3.FD1	COLUMBUS	0.360 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
010	C203383	45349.3.FD19	SAMPSON, BLADEN	0.171 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
011	C202664	39889.3.FS1 ETC.	DAVIDSON	2.478 MI	GRADING, DRAINAGE, PAVING, AND BRIDGE PRESERVATION.
012	C203203	38063.3.FS1	MECKLENBURG	0.385 MI	GRADING, DRAINAGE, PAVING, AND SIGNALS.
013	C203430	12CR.10361.16	GASTON	8.100 MI	MILLING, RESURFACING & AGGREGATE SHOULDER RECONSTRUCTION.
014	C203385	45829.3.FS1	BUNCOMBE	5.050 MI	BRIDGE PRESERVATION, MILLING & RESURFACING.
015	C203388	46144.3.FS1	MCDOWELL	5.020 MI	GRADING, DRAINAGE, PAVING, AND CONCRETE MEDIAN BARRIER.
016	C203200	46292.3.FS1	BUNCOMBE, HENDERSON	0.492 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

** SMALL PLANS ARE \$60 AND LARGE PLANS ARE \$200.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130917 001

CONTRACT ID : C203161 34416.3.S1

DIV OFFICE CASTLE HAYNE

LENGTH = 6.949 MI

COUNTY : SAMPSON

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

MBE GOAL 7.0% WBE 7.0% COMPLETION DATE : MAR 14 2018

NC-24 FROM SR-1404 (DOWDY RD) TO SR-1303 (MITCHELL LOOP RD).

ROADWAY ITEMS						
			22	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	
Lump Sum	LS	MOBILIZATION	4,328	LF	PIPE REMOVAL	
Lump Sum	LS	FIELD OFFICE	Lump Sum	LS	FINE GRADING	
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	15,390	TON	#57 STONE	
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	775	CY	SHALLOW UNDERCUT	
10	EA	SEALING ABANDONED WELLS	1,460	TON	CLASS IV SUBGRADE STABILIZATION	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1081+04.5 RT-L-)	1,000	TON	STABILIZER AGGREGATE	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1084+04.5 LT-L-)	5,000	TON	INCIDENTAL STONE BASE	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1084+04.5 LT-L-)	11,400	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 LT-L-)	1,600	SY	INCIDENTAL MILLING	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 LT-L-)	14,425	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 RT-L-)	52,925	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
2	EA	EMBANKMENT SETTLEMENT GAUGES	10,775	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
3,500	CY	DRAINAGE DITCH EXCAVATION	51,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
8,100	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	6,300	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
23,700	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	1,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	
4,500	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	1,000	TON	GENERIC PAVING ITEM JOINT REPAIR	
23,700	SY	BREAKING OF EXISTING CONCRETE PAVEMENT	40	EA	CONTROL OF ACCESS MARKERS	
70	HR	PROOF ROLLING	1,377.6	CY	SUBDRAIN EXCAVATION	
25,500	CY	SELECT GRANULAR MATERIAL	4,100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	
30,700	SY	GEOTEXTILE FOR SOIL STABILIZATION	688.8	CY	SUBDRAIN COARSE AGGREGATE	
27,860	TON	ROCK EMBANKMENTS	4,100	LF	6" PERFORATED SUBDRAIN PIPE	
15,370	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	9	EA	SUBDRAIN PIPE OUTLET	
3,170	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	54	LF	6" OUTLET PIPE	
9,950	SY	FOUNDATION CONDITIONING GEOTEXTILE	6	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	
12	LF	*** SIDE DRAIN PIPE (30")	57.1	CY	ENDWALLS	
16	LF	*** SIDE DRAIN PIPE (60")	19.8	CY	REINFORCED ENDWALLS	
5,716	LF	15" SIDE DRAIN PIPE	2,314	CY	PIPE COLLARS	
5,100	LF	18" SIDE DRAIN PIPE	199	EA	MASONRY DRAINAGE STRUCTURES	
1,424	LF	24" SIDE DRAIN PIPE	33.3	CY	MASONRY DRAINAGE STRUCTURES	
1,582	LF	15" RC PIPE CULVERTS, CLASS III	105.21	LF	MASONRY DRAINAGE STRUCTURES	
2,052	LF	18" RC PIPE CULVERTS, CLASS III	5	EA	FRAME WITH GRATE, STD 840.24	
568	LF	24" RC PIPE CULVERTS, CLASS III	13	EA	FRAME WITH TWO GRATES, STD 840.16	
1,112	LF	30" RC PIPE CULVERTS, CLASS III	132	EA	FRAME WITH TWO GRATES, STD 840.24	
1,096	LF	36" RC PIPE CULVERTS, CLASS III	55	EA	FRAME WITH TWO GRATES, STD 840.29	
336	LF	42" RC PIPE CULVERTS, CLASS III	3	EA	FRAME WITH COVER, STD 840.54	
1,972	LF	48" RC PIPE CULVERTS, CLASS III	13	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	
144	LF	60" RC PIPE CULVERTS, CLASS III	10,250	LF	SHOULDER BERM GUTTER	
444	LF	72" RC PIPE CULVERTS, CLASS III	7,150	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	
4,612	LF	15" RC PIPE CULVERTS, CLASS IV	15,187.5	LF	STEEL BM GUARDRAIL	
1,756	LF	18" RC PIPE CULVERTS, CLASS IV	156.25	LF	STEEL BM GUARDRAIL, SHOP CURVED	
308	LF	24" RC PIPE CULVERTS, CLASS IV	2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	
328	LF	30" RC PIPE CULVERTS, CLASS IV	10	EA	ADDITIONAL GUARDRAIL POSTS	
180	LF	36" RC PIPE CULVERTS, CLASS IV	21	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	
104	LF	42" RC PIPE CULVERTS, CLASS IV	28	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	
36	LF	15" CS PIPE CULVERTS, 0.064" THICK	8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	
592	LF	18" CS PIPE CULVERTS, 0.064" THICK	16	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	
			1,400	LF	REMOVE EXISTING GUARDRAIL	
			550	LF	TEMPORARY STEEL BM GUARDRAIL	
			18	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	

			392	LF	6" WATER LINE
			306	LF	8" WATER LINE
			7,990	LF	10" WATER LINE
			3,703	LF	12" WATER LINE
90	EA	GENERIC GUARDRAIL ITEM	1	EA	2" VALVE
		TEMPORARY EXTRA LENGTH GUARDRAIL POSTS (7" STEEL)	3	EA	4" VALVE
57,100	LF	WOVEN WIRE FENCE, 47" FABRIC	7	EA	10" VALVE
3,525	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	3	EA	10" TAPPING VALVE
1,050	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	6	EA	1" AIR RELEASE VALVE
10,300	LF	CHAIN LINK FENCE, 48" FABRIC	1	EA	2" BLOW OFF
875	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	27	EA	RELOCATE WATER METER
100	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	3	EA	RELOCATE FIRE HYDRANT
2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (48")	1,213	LF	12" SANITARY GRAVITY SEWER
1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 10', 20')	7,730	LF	4" FORCE MAIN SEWER
4	EA	GENERIC FENCING ITEM	4,177	LF	6" FORCE MAIN SEWER
		METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE	9	EA	4' DIA UTILITY MANHOLE
2	EA	GENERIC FENCING ITEM	30	LF	UTILITY MANHOLE WALL, 4' DIA
		DOUBLE GATES 47" HIGH, 10' WIDE, 20' OPENING (WOVEN WIRE)	279	LF	ABANDON 8" UTILITY PIPE
950	LF	RELAPPING GUARDRAIL	10,681	LF	ABANDON 10" UTILITY PIPE
255	TON	RIP RAP, CLASS I	1,370	LF	ABANDON 12" UTILITY PIPE
1,250	TON	RIP RAP, CLASS B	119	LF	ABANDON 18" UTILITY PIPE
11,350	SY	GEOTEXTILE FOR DRAINAGE	2	EA	REMOVE WATER METER
20	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	1	EA	REMOVE FIRE HYDRANT
1	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	3	EA	REMOVE UTILITY MANHOLE
573	LB	SUPPORTS, BREAKAWAY STEEL BEAM	930	LF	*** ENCASUREMENT PIPE (14")
5,221	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	187	LF	16" ENCASUREMENT PIPE
22	EA	SIGN ERECTION, TYPE D	746	LF	18" ENCASUREMENT PIPE
177	EA	SIGN ERECTION, TYPE E	485	LF	20" ENCASUREMENT PIPE
72	EA	SIGN ERECTION, TYPE F	700	LF	24" ENCASUREMENT PIPE
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	130	LF	TRENCHLESS INSTALLATION OF 2" IN SOIL
55	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	130	LF	TRENCHLESS INSTALLATION OF 2" NOT IN SOIL
4,582	SF	WORK ZONE SIGNS (STATIONARY)	2,089	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL
416	SF	WORK ZONE SIGNS (PORTABLE)	2,088	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL
457	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	1,699	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
2	EA	FLASHING ARROW BOARD	1,698	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	105	LF	TRENCHLESS INSTALLATION OF 14" IN SOIL
252	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	105	LF	TRENCHLESS INSTALLATION OF 14" NOT IN SOIL
1,190	EA	DRUMS	93	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
100	EA	CONES	94	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
975	LF	BARRICADES (TYPE III)	127	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL
520	DAY	FLAGGER	128	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL
2	EA	TMA	251	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL
64	HR	LAW ENFORCEMENT	251	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL
100	EA	SKINNY DRUM	1	EA	GENERIC UTILITY ITEM
1,574	EA	TEMPORARY RAISED PAVEMENT MARKERS	150,000	LF	WATER METERING STATION
179,224	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	5,000	TON	TEMPORARY SILT FENCE
51,020	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	10,000	TON	STONE FOR EROSION CONTROL, CLASS A
19,721	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	10,000	TON	STONE FOR EROSION CONTROL, CLASS B
1,092	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	230	ACR	SEDIMENT CONTROL STONE
287	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	8,400	LB	TEMPORARY MULCHING
4,320	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	35	TON	SEED FOR TEMPORARY SEEDING
671,197	LF	PAINT PAVEMENT MARKING LINES (4")	11,500	LF	FERTILIZER FOR TEMPORARY SEEDING
400	LF	PAINT PAVEMENT MARKING LINES (8")	11,000	LF	TEMPORARY SLOPE DRAINS
1,974	LF	PAINT PAVEMENT MARKING LINES (24")	50,000	CY	SAFETY FENCE
180	EA	PAINT PAVEMENT MARKING CHARACTER	135,000	SY	SILT EXCAVATION
30	EA	PAINT PAVEMENT MARKING SYMBOL	10,000	SY	MATting FOR EROSION CONTROL
16,235	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	1,650	SY	COIR FIBER MAT
337	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	10,000	LF	PERMANENT SOIL REINFORCEMENT MAT
1,945	EA	SNOWPLOWABLE PAVEMENT MARKERS	1,100	SY	1/4" HARDWARE CLOTH
509	LF	2" WATER LINE	900	CY	FLOATING TURBIDITY CURTAIN
539	LF	4" WATER LINE	8	EA	SPECIAL STILLING BASINS
			22,500	LF	WATTLE
			600	LF	COIR FIBER WATTLE
			20,500	LB	POLYACRYLAMIDE (PAM)
			18,500	LF	COIR FIBER BAFFLE
			73	EA	*** SKIMMER (1-1/2")
			1	EA	*** SKIMMER (2")
			1	EA	*** SKIMMER (2-1/2")

			3,170	LF	HP14X73 GALVANIZED STEEL PILES
			1,160	LF	PP ** X **** GALVANIZED STEEL PILES (24 X 0.625)
230	ACR	SEEDING & MULCHING	16	EA	PIPE PILE PLATES
115	ACR	MOWING	62	EA	PILE REDRIVES
3,450	LB	SEED FOR REPAIR SEEDING	1,746.68	LF	CONCRETE BARRIER RAIL
14	TON	FERTILIZER FOR REPAIR SEEDING	2,924	TON	RIP RAP CLASS II (2'-0" THICK)
6,925	LB	SEED FOR SUPPLEMENTAL SEEDING	3,275	SY	GEOTEXTILE FOR DRAINAGE
208	TON	FERTILIZER TOPDRESSING	Lump Sum	LS	ELASTOMERIC BEARINGS
1,300	LF	IMPERVIOUS DIKE			
100	MHR	SPECIALIZED HAND MOWING			
200	EA	RESPONSE FOR EROSION CONTROL			
3,200	CY	CULVERT DIVERSION CHANNEL			
5	ACR	REFORESTATION			
1.26	ACR	STREAMBANK REFORESTATION			

***** BEGIN SCHEDULE AA *****
 ***** (2 ALTERNATES) *****

77,000	CY	UNCLASSIFIED EXCAVATION
19,000	CY	UNDERCUT EXCAVATION
1,519,500	CY	BORROW EXCAVATION
190,100	TON	AGGREGATE BASE COURSE
110,110	GAL	PRIME COAT
1,850	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
7,380	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***
71,600	CY	UNCLASSIFIED EXCAVATION
19,000	CY	UNDERCUT EXCAVATION
1,579,500	CY	BORROW EXCAVATION
7,800	TON	AGGREGATE BASE COURSE
4,780	GAL	PRIME COAT
80,900	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
10,860	TON	ASPHALT BINDER FOR PLANT MIX

*** END SCHEDULE AA ***

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (863+15.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (888+67.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (906+61.00-L-)
738	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
955.1	CY	CLASS A CONCRETE (CULVERT)
146,701	LB	REINFORCING STEEL (CULVERT)

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1081+04.50-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (943+12.50-L-LT)
2	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1081+04.50-L-LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (943+12.50-L-LT)
34,540	SF	REINFORCED CONCRETE DECK SLAB
35,222	SF	GROOVING BRIDGE FLOORS
331.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1081+04.50 -L- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1081+04.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (943+12.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (943+12.50-L-RT)
46,602	LB	REINFORCING STEEL (BRIDGE)
1,131.34	LF	45" PRESTRESSED CONCRETE GIRDERS
2,332	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
3,270	LF	HP12X53 STEEL PILES

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130917 002

CONTRACT ID : C203162 34416.3.S2

DIV OFFICE CASTLE HAYNE

LENGTH = 6.730 MI

COUNTY : SAMPSON

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURE.

MBE GOAL 7.0% WBE 7.0% COMPLETION DATE : MAR 14 2018

NC-24 FROM SR-1303 (MITCHEL LOOP RD) TO US-421/701 AND SR-1296 (SUNSET AVE).

ROADWAY ITEMS					
			2,436	LF	***** RC PIPE CULVERTS, CLASS IV (48")
Lump Sum	LS	MOBILIZATION	572	LF	***** RC PIPE CULVERTS, CLASS IV (54")
Lump Sum	LS	FIELD OFFICE			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	272	LF	***** RC PIPE CULVERTS, CLASS IV (60")
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
4	EA	SEALING ABANDONED WELLS	228	LF	***** RC PIPE CULVERTS, CLASS IV (66")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1311+58-L-LT)	224	LF	***** RC PIPE CULVERTS, CLASS IV (72")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1311+58-L-RT)	6,498	LF	15" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-LT)	2,802	LF	18" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-RT)	2,068	LF	24" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-RT)	3,282	LF	30" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-RT)	1,026	LF	36" RC PIPE CULVERTS, CLASS IV
31,500	LF	WICK DRAINS	388	LF	42" RC PIPE CULVERTS, CLASS IV
4	EA	EMBANKMENT SETTLEMENT GAUGES	198	LF	15" CS PIPE CULVERTS, 0.064" THICK
5,138	CY	DRAINAGE DITCH EXCAVATION	84	LF	18" CS PIPE CULVERTS, 0.064" THICK
1,000	LF	BERM DITCH CONSTRUCTION	12	LF	24" CS PIPE CULVERTS, 0.064" THICK
3,910	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	136	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.625")
26,670	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	56	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.625")
23,510	SY	BREAKING OF EXISTING CONCRETE PAVEMENT			
69	HR	PROOF ROLLING	6,530	LF	PIPE REMOVAL
47,200	CY	SELECT GRANULAR MATERIAL	Lump Sum	LS	FINE GRADING
45,200	SY	GEOTEXTILE FOR SOIL STABILIZATION	2,400	TON	#57 STONE
3,380	SF	TEMPORARY SHORING	500	CY	SHALLOW UNDERCUT
5,000	TON	ROCK EMBANKMENTS	950	TON	CLASS IV SUBGRADE STABILIZATION
2,600	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	1,000	TON	STABILIZER AGGREGATE
350	SY	ROCK PLATING	5,000	TON	INCIDENTAL STONE BASE
2,950	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	4,860	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (3")
Lump Sum	LS	GENERIC GRADING ITEM GRADING FOR MITIGATION	660	SY	INCIDENTAL MILLING
900	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	3,400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
4,410	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	64,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
13,860	SY	FOUNDATION CONDITIONING GEOTEXTILE	38,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
76	LF	*** SIDE DRAIN PIPE (36")	2,000	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
3,212	LF	15" SIDE DRAIN PIPE	5,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
1,400	LF	18" SIDE DRAIN PIPE	5,000	TON	GENERIC PAVING ITEM JOINT REPAIR
412	LF	24" SIDE DRAIN PIPE	20	EA	CONTROL OF ACCESS MARKERS
26	EA	*** SIDE DRAIN PIPE ELBOWS (15")	1,250	CY	SUBDRAIN EXCAVATION
2	EA	*** SIDE DRAIN PIPE ELBOWS (18")	3,700	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
4,584	LF	15" RC PIPE CULVERTS, CLASS III	630	CY	SUBDRAIN COARSE AGGREGATE
4,532	LF	18" RC PIPE CULVERTS, CLASS III	3,700	LF	6" PERFORATED SUBDRAIN PIPE
3,916	LF	24" RC PIPE CULVERTS, CLASS III	8	EA	SUBDRAIN PIPE OUTLET
1,728	LF	30" RC PIPE CULVERTS, CLASS III	48	LF	6" OUTLET PIPE
1,132	LF	36" RC PIPE CULVERTS, CLASS III	29	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
132	LF	42" RC PIPE CULVERTS, CLASS III	26	CY	ENDWALLS
204	LF	60" RC PIPE CULVERTS, CLASS III	51.5	CY	REINFORCED ENDWALLS
496	LF	66" RC PIPE CULVERTS, CLASS III	9	CY	PIPE COLLARS
56	LF	72" RC PIPE CULVERTS, CLASS III	2	CY	PIPE PLUGS
			421	EA	MASONRY DRAINAGE STRUCTURES
			79	CY	MASONRY DRAINAGE STRUCTURES
			144	LF	MASONRY DRAINAGE STRUCTURES
			98	EA	FRAME WITH TWO GRATES, STD 840.16
			47	EA	FRAME WITH TWO GRATES, STD 840.20

			2	EA	FLASHING ARROW BOARD
			5	EA	PORTABLE CHANGEABLE MESSAGE SIGN
9	EA	FRAME WITH TWO GRATES, STD 840.22	252	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
111	EA	FRAME WITH TWO GRATES, STD 840.24	1,946	EA	DRUMS
4	EA	FRAME WITH TWO GRATES, STD 840.29	550	EA	CONES
			2,016	LF	BARRICADES (TYPE III)
29	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	450	DAY	FLAGGER
			2	EA	TEMPORARY CRASH CUSHIONS
53	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	6	EA	RESET TEMPORARY CRASH CUSHION
			3	EA	TMA
73	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	1,442	LF	PORTABLE CONCRETE BARRIER
			150	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
25	EA	FRAME WITH COVER, STD 840.54	1,876	LF	RESET PORTABLE CONCRETE BARRIER
55	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	397	LF	WATER FILLED BARRIER
			500	HR	LAW ENFORCEMENT
815	LF	***X*** CONCRETE CURB (8" X 18")	595	EA	SKINNY DRUM
			3,469	LF	GENERIC TRAFFIC CONTROL ITEM MODULAR LANE SEPARATOR
1,400	LF	***** CONCRETE CURB & GUTTER (2'-0")	1,057	EA	TEMPORARY RAISED PAVEMENT MARKERS
11,780	LF	1'-6" CONCRETE CURB & GUTTER	117,865	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
25,900	LF	2'-6" CONCRETE CURB & GUTTER	42,745	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
6,900	LF	SHOULDER BERM GUTTER			
1	EA	MODIFIED CONCRETE FLUME	8,996	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
120	LF	CONCRETE EXPRESSWAY GUTTER			
10,260	SY	4" CONCRETE SIDEWALK	2,572	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
60	EA	CONCRETE CURB RAMP	10,104	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,040	SY	6" CONCRETE DRIVEWAY			
420	SY	4" CONCRETE PAVED DITCH	1,960	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
67,000	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	2,428	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
			1,530	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
3	EA	ADJUSTMENT OF CATCH BASINS	1,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
1	EA	ADJUSTMENT OF DROP INLETS	48	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
2	EA	ADJUSTMENT OF MANHOLES	354	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	8,880	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
11,925	LF	STEEL BM GUARDRAIL	596,567	LF	PAINT PAVEMENT MARKING LINES (4")
10	EA	ADDITIONAL GUARDRAIL POSTS	19,134	LF	PAINT PAVEMENT MARKING LINES (8")
11	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	4,228	LF	PAINT PAVEMENT MARKING LINES (12")
			4,077	LF	PAINT PAVEMENT MARKING LINES (24")
14	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	28	EA	PAINT PAVEMENT MARKING CHARACTER
2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	251	EA	PAINT PAVEMENT MARKING SYMBOL
15	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	6,215	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
1,698	LF	REMOVE EXISTING GUARDRAIL	67,654	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,875	LF	TEMPORARY STEEL BM GUARDRAIL	597	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	441	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
41,990	LF	WOVEN WIRE FENCE, 47" FABRIC	45	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
3,440	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	60	EA	PERMANENT RAISED PAVEMENT MARKERS
340	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	2,151	EA	SNOWPLOWABLE PAVEMENT MARKERS
975	TON	RIP RAP, CLASS I	Lump Sum	LS	PORTABLE LIGHTING
3,907	TON	RIP RAP, CLASS B	236	LF	2" WATER LINE
15,215	SY	GEOTEXTILE FOR DRAINAGE	507	LF	4" WATER LINE
			921	LF	6" WATER LINE
7	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	4,433	LF	8" WATER LINE
			14,489	LF	10" WATER LINE
12	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	16,143	LF	12" WATER LINE
			99	LF	16" WATER LINE
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS	2	EA	2" VALVE
8,667	LB	SUPPORTS, BREAKAWAY STEEL BEAM	2	EA	4" VALVE
1,128	LB	SUPPORTS, SIMPLE STEEL BEAM	5	EA	6" VALVE
3,562	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	8	EA	8" VALVE
9	EA	SIGN ERECTION, TYPE D	18	EA	10" VALVE
129	EA	SIGN ERECTION, TYPE E	12	EA	12" VALVE
41	EA	SIGN ERECTION, TYPE F	1	EA	16" VALVE
13	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	1	EA	6" TAPPING VALVE
			1	EA	10" TAPPING VALVE
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	72	EA	RELOCATE WATER METER
6	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)			
7	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM			
99	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
4,452	SF	WORK ZONE SIGNS (STATIONARY)			
1,525	SF	WORK ZONE SIGNS (PORTABLE)			
667	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			

15	EA	RECONNECT WATER METER		150	EA	RESPONSE FOR EROSION CONTROL
3	EA	FIRE HYDRANT		125	CY	CULVERT DIVERSION CHANNEL
15	EA	RELOCATE FIRE HYDRANT		12	ACR	REFORESTATION
3,081	LF	8" SANITARY GRAVITY SEWER		0.3	ACR	STREAMBANK REFORESTATION
798	LF	10" SANITARY GRAVITY SEWER		9,000	LF	SIGNAL CABLE
27	EA	4' DIA UTILITY MANHOLE		67	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
116.2	LF	UTILITY MANHOLE WALL, 4' DIA		9	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
8,720	LF	ABANDON 8" UTILITY PIPE		5	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
18,335	LF	ABANDON 10" UTILITY PIPE		8,400	LF	MESSENGER CABLE (1/4")
7,641	LF	ABANDON 12" UTILITY PIPE		1,500	LF	MESSENGER CABLE (3/8")
16	EA	REMOVE UTILITY MANHOLE		550	LF	TRACER WIRE
106	LF	16" ENCASEMENT PIPE		800	LF	UNPAVED TRENCHING (***** (1, 2"))
136	LF	18" ENCASEMENT PIPE		100	LF	UNPAVED TRENCHING (***** (2, 2"))
285	LF	20" ENCASEMENT PIPE		6,900	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
360	LF	24" ENCASEMENT PIPE		900	LF	DIRECTIONAL DRILL (***** (1, 2"))
959	LF	30" ENCASEMENT PIPE		1,100	LF	DIRECTIONAL DRILL (***** (2, 2"))
373	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL		12	EA	JUNCTION BOX (STANDARD SIZE)
373	LF	TRENCHLESS INSTALLATION OF 10" NOT IN SOIL		10	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
2,487	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL		7	EA	WOOD POLE
2,485	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL		6	EA	GUY ASSEMBLY
53	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL		7	EA	2" RISER WITH WEATHERHEAD
53	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL		4	EA	2" RISER WITH HEAT SHRINK TUBING
14	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL		13,000	LF	INDUCTIVE LOOP SAWCUT
14	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL		14,700	LF	LEAD-IN CABLE (***** (14-2)
110	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL		10,000	LF	COMMUNICATIONS CABLE (**FIBER) (12)
109	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL		5	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT
160	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL		4	EA	DELINEATOR MARKER
158	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL		1	EA	900MHZ RADIO
480	LF	TRENCHLESS INSTALLATION OF 30" IN SOIL		4	EA	MODIFY RADIO INSTALLATION
479	LF	TRENCHLESS INSTALLATION OF 30" NOT IN SOIL		16	EA	METAL POLE WITH SINGLE MAST ARM
1	EA	GENERIC UTILITY ITEM WATER METER VAULT		1	EA	METAL POLE WITH DUAL MAST ARM
1	EA	GENERIC UTILITY ITEM WATER METERING STATION		17	EA	SOIL TEST
121,000	LF	TEMPORARY SILT FENCE		121	CY	DRILLED PIER FOUNDATION
6,000	TON	STONE FOR EROSION CONTROL, CLASS A		17	EA	MAST ARM WITH METAL POLE DE- SIGN
10,000	TON	STONE FOR EROSION CONTROL, CLASS B		3	EA	SIGN FOR SIGNALS
10,000	TON	SEDIMENT CONTROL STONE		2	EA	TYPE II PEDESTAL WITH FOUND- ATION
183.5	ACR	TEMPORARY MULCHING		5	EA	SIGNAL CABINET FOUNDATION
3,600	LB	SEED FOR TEMPORARY SEEDING		5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
17.75	TON	FERTILIZER FOR TEMPORARY SEED- ING		29	EA	DETECTOR CARD (TYPE 2070L)
4,000	LF	TEMPORARY SLOPE DRAINS		5	EA	CABINET BASE EXTENDER
13,000	LF	SAFETY FENCE				***** BEGIN SCHEDULE AA ***** ***** (2 ALTERNATES) *****
25,000	CY	SILT EXCAVATION		80,600	CY	UNCLASSIFIED EXCAVATION
60,000	SY	MATTING FOR EROSION CONTROL		60,204	CY	UNDERCUT EXCAVATION
1,480	SY	COIR FIBER MAT		595,800	CY	BORROW EXCAVATION
13,800	SY	PERMANENT SOIL REINFORCEMENT MAT		79,400	TON	AGGREGATE BASE COURSE
20,000	LF	1/4" HARDWARE CLOTH		56,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
130	LF	*** TEMPORARY PIPE (24")		8,070	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***
120	LF	*** TEMPORARY PIPE (36")		67,600	CY	UNCLASSIFIED EXCAVATION
280	SY	FLOATING TURBIDITY CURTAIN		44,756	CY	UNDERCUT EXCAVATION
420	CY	STILLING BASINS		621,000	CY	BORROW EXCAVATION
12	EA	SPECIAL STILLING BASINS		71,800	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
25,000	LF	COIR FIBER WATTLE		8,757	TON	ASPHALT BINDER FOR PLANT MIX
16,000	LB	POLYACRYLAMIDE (PAM)				*** END SCHEDULE AA ***
10,000	LF	COIR FIBER BAFFLE				CULVERT ITEMS
24	EA	*** SKIMMER (1-1/2")		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1109+25.00-L-)
1	EA	*** SKIMMER (2")		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1224+46.00-L-)
141	ACR	SEEDING & MULCHING		Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1109+25.00-L-)
60	ACR	MOWING		Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1224+46.00-L-)
1,850	LB	SEED FOR REPAIR SEEDING				
6.75	TON	FERTILIZER FOR REPAIR SEEDING				
3,350	LB	SEED FOR SUPPLEMENTAL SEEDING				
100.25	TON	FERTILIZER TOPDRESSING				
500	LF	IMPERVIOUS DIKE				
60	MHR	SPECIALIZED HAND MOWING				

337	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
420.3	CY	CLASS A CONCRETE (CULVERT)
52,741	LB	REINFORCING STEEL (CULVERT)

WALL ITEMS

11,930	SF	SOLDIER PILE RETAINING WALLS
1,040	SF	SEGMENTAL GRAVITY RETAINING WALLS
285	SF	CIP GRAVITY RETAINING WALLS

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STATION ***** (1311+58.00-LREV-RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1311+58.00-LREV-RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1326+94.00-LREV-RT)
10	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1311+58.00-LREV-RT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1326+94.00-LREV-RT)
107,747	SF	REINFORCED CONCRETE DECK SLAB
96,423	SF	GROOVING BRIDGE FLOORS
890.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1311+58.00-LREV-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1311+58.00-LREV-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1326+94.00-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1326+94.00-L-RT)
181,070	LB	REINFORCING STEEL (BRIDGE)
1,409.4	LF	45" PRESTRESSED CONCRETE GIRDERS
9,512.6	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
4,130	LF	HP12X53 STEEL PILES
1,715	LF	HP14X73 GALVANIZED STEEL PILES
2,400	LF	PP ** X **** GALVANIZED STEEL PILES (24 X 0.50)
6,384	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
118	EA	PILE REDRIVES
5,589	LF	CONCRETE BARRIER RAIL
1,465	TON	RIP RAP CLASS II (2'-0" THICK)
1,535	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130917 003

CONTRACT ID : C203427 34416.3.S1

DIV OFFICE CASTLE HAYNE

LENGTH = 13.679 MI

COUNTY : SAMPSON

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 7.0% WBE 7.0% COMPLETION DATE : MAR 14 2018

NC-24 FROM SR-1404 (DOWDY RD) TO US-421/701 AND SR-1296 (SUNSET AVE).

ROADWAY ITEMS					
			6,166	LF	15" RC PIPE CULVERTS, CLASS III
			6,584	LF	18" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	MOBILIZATION	4,484	LF	24" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	FIELD OFFICE	2,840	LF	30" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	2,228	LF	36" RC PIPE CULVERTS, CLASS III
6	ACR	SUPPLEMENTARY CLEARING & GRUBBING	468	LF	42" RC PIPE CULVERTS, CLASS III
14	EA	SEALING ABANDONED WELLS	1,972	LF	48" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1081+04.5 RT-L-)	348	LF	60" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1084+04.5 LT-L-)	496	LF	66" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1311+58-L-LT)	500	LF	72" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1311+58-L-RT)	2,436	LF	**** RC PIPE CULVERTS, CLASS IV (48")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-LT)	572	LF	**** RC PIPE CULVERTS, CLASS IV (54")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-RT)	272	LF	**** RC PIPE CULVERTS, CLASS IV (60")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 LT-L-)	228	LF	**** RC PIPE CULVERTS, CLASS IV (66")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 RT-L-)	224	LF	**** RC PIPE CULVERTS, CLASS IV (72")
31,500	LF	WICK DRAINS	11,110	LF	15" RC PIPE CULVERTS, CLASS IV
6	EA	EMBANKMENT SETTLEMENT GAUGES	4,558	LF	18" RC PIPE CULVERTS, CLASS IV
8,109	CY	DRAINAGE DITCH EXCAVATION	2,376	LF	24" RC PIPE CULVERTS, CLASS IV
1,000	LF	BERM DITCH CONSTRUCTION	3,610	LF	30" RC PIPE CULVERTS, CLASS IV
12,010	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1,206	LF	36" RC PIPE CULVERTS, CLASS IV
50,370	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	492	LF	42" RC PIPE CULVERTS, CLASS IV
4,500	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	234	LF	15" CS PIPE CULVERTS, 0.064" THICK
47,210	SY	BREAKING OF EXISTING CONCRETE PAVEMENT	676	LF	18" CS PIPE CULVERTS, 0.064" THICK
139	HR	PROOF ROLLING	12	LF	24" CS PIPE CULVERTS, 0.064" THICK
72,700	CY	SELECT GRANULAR MATERIAL	22	EA	*** CS PIPE ELBOWS, ***** (18", 0.064")
75,900	SY	GEOTEXTILE FOR SOIL STABILIZATION	136	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.625")
3,380	SF	TEMPORARY SHORING	56	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.625")
32,860	TON	ROCK EMBANKMENTS	10,858	LF	PIPE REMOVAL
17,970	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	Lump Sum	LS	FINE GRADING
350	SY	ROCK PLATING	17,790	TON	#57 STONE
2,950	SY	GENERIC GRADING ITEM	1,275	CY	SHALLOW UNDERCUT
Lump Sum	LS	GENERIC GRADING ITEM	2,410	TON	CLASS IV SUBGRADE STABILIZATION
Lump Sum	LS	GRADING FOR MITIGATION	2,000	TON	STABILIZER AGGREGATE
900	TON	GENERIC GRADING ITEM	10,000	TON	INCIDENTAL STONE BASE
Lump Sum	LS	HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	4,860	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
Lump Sum	LS	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	11,400	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
Lump Sum	LS	FOUNDATION CONDITIONING GEOTEXTILE	2,260	SY	INCIDENTAL MILLING
12	LF	*** SIDE DRAIN PIPE (30")	17,825	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
76	LF	*** SIDE DRAIN PIPE (36")	116,925	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
16	LF	*** SIDE DRAIN PIPE (60")	10,775	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
8,928	LF	15" SIDE DRAIN PIPE	89,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
6,500	LF	18" SIDE DRAIN PIPE			
1,836	LF	24" SIDE DRAIN PIPE			
26	EA	*** SIDE DRAIN PIPE ELBOWS (15")			
2	EA	*** SIDE DRAIN PIPE ELBOWS (18")			

			6,965	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			1,390	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
8,300	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	10,300	LF	CHAIN LINK FENCE, 48" FABRIC
6,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	875	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
6,000	TON	GENERIC PAVING ITEM JOINT REPAIR	100	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
60	EA	CONTROL OF ACCESS MARKERS	2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (48")
2,627.6	CY	SUBDRAIN EXCAVATION	1	EA	DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (48", 10', 20')
7,800	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	4	EA	GENERIC FENCING ITEM METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE
1,318.8	CY	SUBDRAIN COARSE AGGREGATE	2	EA	GENERIC FENCING ITEM DOUBLE GATES 47" HIGH, 10' WIDE, 20' OPENING (WOVEN WIRE)
7,800	LF	6" PERFORATED SUBDRAIN PIPE	950	LF	RELAPPING GUARDRAIL
17	EA	SUBDRAIN PIPE OUTLET	1,230	TON	RIP RAP, CLASS I
102	LF	6" OUTLET PIPE	5,157	TON	RIP RAP, CLASS B
35	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	26,565	SY	GEOTEXTILE FOR DRAINAGE
83.1	CY	ENDWALLS	27	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
71.3	CY	REINFORCED ENDWALLS	13	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
11,314	CY	PIPE COLLARS	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
2	CY	PIPE PLUGS	9,240	LB	SUPPORTS, BREAKAWAY STEEL BEAM
620	EA	MASONRY DRAINAGE STRUCTURES	1,128	LB	SUPPORTS, SIMPLE STEEL BEAM
112.3	CY	MASONRY DRAINAGE STRUCTURES	8,783	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
249.21	LF	MASONRY DRAINAGE STRUCTURES	31	EA	SIGN ERECTION, TYPE D
5	EA	FRAME WITH GRATE, STD 840.24	306	EA	SIGN ERECTION, TYPE E
111	EA	FRAME WITH TWO GRATES, STD 840.16	113	EA	SIGN ERECTION, TYPE F
47	EA	FRAME WITH TWO GRATES, STD 840.20	13	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
9	EA	FRAME WITH TWO GRATES, STD 840.22	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
243	EA	FRAME WITH TWO GRATES, STD 840.24	6	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
59	EA	FRAME WITH TWO GRATES, STD 840.29	7	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
29	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	154	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
53	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	9,034	SF	WORK ZONE SIGNS (STATIONARY)
73	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	1,941	SF	WORK ZONE SIGNS (PORTABLE)
28	EA	FRAME WITH COVER, STD 840.54	1,124	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
68	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	4	EA	FLASHING ARROW BOARD
815	LF	***X *** CONCRETE CURB (8" X 18")	11	EA	PORTABLE CHANGEABLE MESSAGE SIGN
1,400	LF	***.*** CONCRETE CURB & GUTTER (2'-0")	504	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
11,780	LF	1'-6" CONCRETE CURB & GUTTER	3,136	EA	DRUMS
25,900	LF	2'-6" CONCRETE CURB & GUTTER	650	EA	CONES
17,150	LF	SHOULDER BERM GUTTER	2,991	LF	BARRICADES (TYPE III)
1	EA	MODIFIED CONCRETE FLUME	970	DAY	FLAGGER
120	LF	CONCRETE EXPRESSWAY GUTTER	2	EA	TEMPORARY CRASH CUSHIONS
10,260	SY	4" CONCRETE SIDEWALK	6	EA	RESET TEMPORARY CRASH CUSHION
60	EA	CONCRETE CURB RAMP	5	EA	TMA
1,040	SY	6" CONCRETE DRIVEWAY	1,442	LF	PORTABLE CONCRETE BARRIER
420	SY	4" CONCRETE PAVED DITCH	150	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
74,150	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	1,876	LF	RESET PORTABLE CONCRETE BARRIER
3	EA	ADJUSTMENT OF CATCH BASINS	397	LF	WATER FILLED BARRIER
1	EA	ADJUSTMENT OF DROP INLETS	564	HR	LAW ENFORCEMENT
2	EA	ADJUSTMENT OF MANHOLES	695	EA	SKINNY DRUM
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	3,469	LF	GENERIC TRAFFIC CONTROL ITEM MODULAR LANE SEPARATOR
27,112.5	LF	STEEL BM GUARDRAIL	2,631	EA	TEMPORARY RAISED PAVEMENT MARKERS
156.25	LF	STEEL BM GUARDRAIL, SHOP CURVED	297,089	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	93,765	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
20	EA	ADDITIONAL GUARDRAIL POSTS	8,996	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
32	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	2,572	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
42	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	29,825	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
10	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	1,960	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
31	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	2,428	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
3,098	LF	REMOVE EXISTING GUARDRAIL			
2,425	LF	TEMPORARY STEEL BM GUARDRAIL			
24	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350			
90	EA	GENERIC GUARDRAIL ITEM TEMPORARY EXTRA LENGTH GUARDRAIL POSTS (7" STEEL)			
99,090	LF	WOVEN WIRE FENCE, 47" FABRIC			

			373	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL
			373	LF	TRENCHLESS INSTALLATION OF 10" NOT IN SOIL
1,530	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	4,186	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
2,692	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	4,183	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL
48	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	105	LF	TRENCHLESS INSTALLATION OF 14" IN SOIL
641	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	105	LF	TRENCHLESS INSTALLATION OF 14" NOT IN SOIL
13,200	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	146	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
1,267,764	LF	PAINT PAVEMENT MARKING LINES (4")	147	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
19,534	LF	PAINT PAVEMENT MARKING LINES (8")	14	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL
4,228	LF	PAINT PAVEMENT MARKING LINES (12")	14	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL
6,051	LF	PAINT PAVEMENT MARKING LINES (24")	237	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL
208	EA	PAINT PAVEMENT MARKING CHARACTER	237	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL
281	EA	PAINT PAVEMENT MARKING SYMBOL	411	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL
6,215	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)	409	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL
83,889	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	480	LF	TRENCHLESS INSTALLATION OF 30" IN SOIL
597	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	479	LF	TRENCHLESS INSTALLATION OF 30" NOT IN SOIL
778	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	1	EA	GENERIC UTILITY ITEM WATER METER VAULT
45	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	2	EA	GENERIC UTILITY ITEM WATER METERING STATION
60	EA	PERMANENT RAISED PAVEMENT MARKERS	271,000	LF	TEMPORARY SILT FENCE
4,096	EA	SNOWPLOWABLE PAVEMENT MARKERS	11,000	TON	STONE FOR EROSION CONTROL, CLASS A
Lump Sum	LS	PORTABLE LIGHTING	20,000	TON	STONE FOR EROSION CONTROL, CLASS B
745	LF	2" WATER LINE	20,000	TON	SEDIMENT CONTROL STONE
1,046	LF	4" WATER LINE	413.5	ACR	TEMPORARY MULCHING
1,313	LF	6" WATER LINE	12,000	LB	SEED FOR TEMPORARY SEEDING
4,739	LF	8" WATER LINE	52.75	TON	FERTILIZER FOR TEMPORARY SEEDING
22,479	LF	10" WATER LINE	15,500	LF	TEMPORARY SLOPE DRAINS
19,846	LF	12" WATER LINE	24,000	LF	SAFETY FENCE
99	LF	16" WATER LINE	75,000	CY	SILT EXCAVATION
3	EA	2" VALVE	195,000	SY	MATTING FOR EROSION CONTROL
5	EA	4" VALVE	11,480	SY	COIR FIBER MAT
5	EA	6" VALVE	15,450	SY	PERMANENT SOIL REINFORCEMENT MAT
8	EA	8" VALVE	30,000	LF	1/4" HARDWARE CLOTH
25	EA	10" VALVE	130	LF	*** TEMPORARY PIPE (24")
12	EA	12" VALVE	120	LF	*** TEMPORARY PIPE (36")
1	EA	16" VALVE	1,380	SY	FLOATING TURBIDITY CURTAIN
1	EA	6" TAPPING VALVE	1,320	CY	STILLING BASINS
4	EA	10" TAPPING VALVE	20	EA	SPECIAL STILLING BASINS
6	EA	1" AIR RELEASE VALVE	22,500	LF	WATTLE
1	EA	2" BLOW OFF	25,600	LF	COIR FIBER WATTLE
99	EA	RELOCATE WATER METER	36,500	LB	POLYACRYLAMIDE (PAM)
15	EA	RECONNECT WATER METER	28,500	LF	COIR FIBER BAFFLE
3	EA	FIRE HYDRANT	97	EA	*** SKIMMER (1-1/2")
18	EA	RELOCATE FIRE HYDRANT	2	EA	*** SKIMMER (2")
3,081	LF	8" SANITARY GRAVITY SEWER	1	EA	*** SKIMMER (2-1/2")
798	LF	10" SANITARY GRAVITY SEWER	371	ACR	SEEDING & MULCHING
1,213	LF	12" SANITARY GRAVITY SEWER	175	ACR	MOWING
7,730	LF	4" FORCE MAIN SEWER	5,300	LB	SEED FOR REPAIR SEEDING
4,177	LF	6" FORCE MAIN SEWER	20.75	TON	FERTILIZER FOR REPAIR SEEDING
36	EA	4' DIA UTILITY MANHOLE	10,275	LB	SEED FOR SUPPLEMENTAL SEEDING
146.2	LF	UTILITY MANHOLE WALL, 4' DIA	308.25	TON	FERTILIZER TOPDRESSING
8,999	LF	ABANDON 8" UTILITY PIPE	1,800	LF	IMPERVIOUS DIKE
29,016	LF	ABANDON 10" UTILITY PIPE	160	MHR	SPECIALIZED HAND MOWING
9,011	LF	ABANDON 12" UTILITY PIPE	350	EA	RESPONSE FOR EROSION CONTROL
119	LF	ABANDON 18" UTILITY PIPE	3,325	CY	CULVERT DIVERSION CHANNEL
2	EA	REMOVE WATER METER	17	ACR	REFORESTATION
1	EA	REMOVE FIRE HYDRANT	1.56	ACR	STREAMBANK REFORESTATION
19	EA	REMOVE UTILITY MANHOLE	9,000	LF	SIGNAL CABLE
930	LF	*** ENCASEMENT PIPE (14")	67	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
293	LF	16" ENCASEMENT PIPE	9	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
882	LF	18" ENCASEMENT PIPE	5	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
770	LF	20" ENCASEMENT PIPE	8,400	LF	MESSENGER CABLE (1/4")
1,060	LF	24" ENCASEMENT PIPE	1,500	LF	MESSENGER CABLE (3/8")
959	LF	30" ENCASEMENT PIPE			
130	LF	TRENCHLESS INSTALLATION OF 2" IN SOIL			
130	LF	TRENCHLESS INSTALLATION OF 2" NOT IN SOIL			
2,089	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL			
2,088	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL			

			1,075	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
			1,375.4	CY	CLASS A CONCRETE (CULVERT)
			199,442	LB	REINFORCING STEEL (CULVERT)
550	LF	TRACER WIRE			
800	LF	UNPAVED TRENCHING (*****) (1, 2")			
100	LF	UNPAVED TRENCHING (*****) (2, 2")			
6,900	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN			
900	LF	DIRECTIONAL DRILL (*****) (1, 2")	11,930	SF	SOLDIER PILE RETAINING WALLS
1,100	LF	DIRECTIONAL DRILL (*****) (2, 2")	1,040	SF	SEGMENTAL GRAVITY RETAINING WALLS
12	EA	JUNCTION BOX (STANDARD SIZE)	285	SF	CIP GRAVITY RETAINING WALLS
10	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
7	EA	WOOD POLE			
6	EA	GUY ASSEMBLY			
7	EA	2" RISER WITH WEATHERHEAD			
4	EA	2" RISER WITH HEAT SHRINK TUBING			
13,000	LF	INDUCTIVE LOOP SAWCUT			
14,700	LF	LEAD-IN CABLE (*****) (14-2)	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (1311+58.00-LREV-RT)
10,000	LF	COMMUNICATIONS CABLE (**FIBER) (12)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1081+04.50-L-LT)
5	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1311+58.00-LREV-RT)
4	EA	DELINEATOR MARKER	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1326+94.00-LREV-RT)
1	EA	900MHZ RADIO			
4	EA	MODIFY RADIO INSTALLATION			
16	EA	METAL POLE WITH SINGLE MAST ARM	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (943+12.50-L-LT)
1	EA	METAL POLE WITH DUAL MAST ARM			
17	EA	SOIL TEST	12	EA	PDA TESTING
121	CY	DRILLED PIER FOUNDATION	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1081+04.50-L-LT)
17	EA	MAST ARM WITH METAL POLE DESIGN	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1311+58.00-LREV-RT)
3	EA	SIGN FOR SIGNALS	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1326+94.00-LREV-RT)
2	EA	TYPE II PEDESTAL WITH FOUNDATION	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (943+12.50-L-LT)
5	EA	SIGNAL CABINET FOUNDATION			
5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (943+12.50-L-LT)
29	EA	DETECTOR CARD (TYPE 2070L)			
5	EA	CABINET BASE EXTENDER			
			142,287	SF	REINFORCED CONCRETE DECK SLAB
			131,645	SF	GROOVING BRIDGE FLOORS
			1,222.1	CY	CLASS A CONCRETE (BRIDGE)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1081+04.50-L-LT)
157,600	CY	UNCLASSIFIED EXCAVATION	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1081+04.50-L-LT)
79,204	CY	UNDERCUT EXCAVATION			
2,115,300	CY	BORROW EXCAVATION			
269,500	TON	AGGREGATE BASE COURSE			
110,110	GAL	PRIME COAT	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1311+58.00-LREV-LT)
58,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1311+58.00-LREV-RT)
15,450	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1326+94.00-L-LT)
139,200	CY	UNCLASSIFIED EXCAVATION	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1326+94.00-L-LT)
63,756	CY	UNDERCUT EXCAVATION			
2,200,500	CY	BORROW EXCAVATION			
7,800	TON	AGGREGATE BASE COURSE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1326+94.00-L-LT)
4,780	GAL	PRIME COAT			
152,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (943+12.50-L-LT)
19,617	TON	ASPHALT BINDER FOR PLANT MIX	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (943+12.50-L-LT)
			227,672	LB	REINFORCING STEEL (BRIDGE)
			2,540.74	LF	45" PRESTRESSED CONCRETE GIRDERS
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1109+25.00-L-)	11,844.6	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1224+46.00-L-)	7,400	LF	HP12X53 STEEL PILES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1109+25.00-L-)	4,885	LF	HP14X73 GALVANIZED STEEL PILES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1224+46.00-L-)	1,160	LF	PP ** X **** GALVANIZED STEEL PILES (24 X 0.625)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (863+15.00-L-)	2,400	LF	PP ** X **** GALVANIZED STEEL PILES (24X0.50)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (888+67.00-L-)	6,384	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (906+61.00-L-)	16	EA	PIPE PILE PLATES
			180	EA	PILE REDRIVES
			7,335.68	LF	CONCRETE BARRIER RAIL
			4,389	TON	RIP RAP CLASS II (2'-0" THICK)

WALL ITEMS

STRUCTURE ITEMS

***** BEGIN SCHEDULE AA *****
***** (2 ALTERNATES) *****

*** END SCHEDULE AA ***

CULVERT ITEMS

4,810	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 004

CONTRACT ID : C203198 34491.3.GVS4

DIV OFFICE CASTLE HAYNE

LENGTH = 2.940 MI

COUNTY : BRUNSWICK, NEW HANOVER

GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.

DBE GOAL 8.0% COMPLETION DATE : APR 30 2018

US-17 (WILMINGTON BYPASS) FROM SR-1430 (CEDAR HILL RD) TO WEST OF US-421 NORTH OF WILMINGTON.

ROADWAY ITEMS				
			17,600 TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
			1,700 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
Lump Sum	LS	MOBILIZATION	15,300 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	2,100 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
4	ACR	SUPPLEMENTARY CLEARING & GRUBBING	14,200 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
5	EA	SEALING ABANDONED WELLS	2,545 TON	ASPHALT BINDER FOR PLANT MIX
59,000	CY	UNCLASSIFIED EXCAVATION	29,600 LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (317+50 -L-LT)	336 CY	SUBDRAIN EXCAVATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (317+50 -L-RT)	1,000 SY	GEOTEXTILE FOR SUBSURFACE DRAINS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (398+75.47 -L-LT)	168 CY	SUBDRAIN COARSE AGGREGATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (398+75.47 -L-RT)	1,000 LF	6" PERFORATED SUBDRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (425+60.75 -L-LT)	2 EA	SUBDRAIN PIPE OUTLET
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (425+60.75 -L-RT)	12 LF	6" OUTLET PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (425+60.75 -L-LT)	17.1 CY	ENDWALLS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (425+60.75 -L-RT)	5 CY	REINFORCED ENDWALLS
4,500	CY	UNDERCUT EXCAVATION	0.55 CY	PIPE COLLARS
2,240,000	CY	BORROW EXCAVATION	81 EA	MASONRY DRAINAGE STRUCTURES
4,700	CY	DRAINAGE DITCH EXCAVATION	42.2 LF	MASONRY DRAINAGE STRUCTURES
520	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1 EA	FRAME WITH GRATE, STD 840.22
3,430	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	38 EA	FRAME WITH TWO GRATES, STD 840.20
20	HR	PROOF ROLLING	28 EA	FRAME WITH TWO GRATES, STD 840.22
4,500	CY	SELECT GRANULAR MATERIAL	2 EA	FRAME WITH COVER, STD 840.54
12,200	SY	GEOTEXTILE FOR SOIL STABILIZATION	14 EA	STEEL FRAME WITH TWO GRATES, STD 840.37
16,400	SY	GENERIC GRADING ITEM	9,400 LF	SHOULDER BERM GUTTER
		GEOGRID FOR BRIDGE END SLOPES	440 SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
1,070	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	200 LF	CONCRETE BARRIER, TYPE ***** (T-2)
3,350	SY	FOUNDATION CONDITIONING GEOTEXTILE	700 LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (T-2)
2,828	LF	18" SIDE DRAIN PIPE	1 EA	ADJUSTMENT OF DROP INLETS
144	LF	24" SIDE DRAIN PIPE	1 EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
38	EA	*** SIDE DRAIN PIPE ELBOWS (18")	1 EA	IMPACT ATTENUATOR UNIT, TYPE 350
2	EA	*** SIDE DRAIN PIPE ELBOWS (24")	11,300 LF	STEEL BM GUARDRAIL
400	LF	18" RC PIPE CULVERTS, CLASS III	75 LF	STEEL BM GUARDRAIL, SHOP CURVED
536	LF	24" RC PIPE CULVERTS, CLASS III	4 EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
128	LF	54" RC PIPE CULVERTS, CLASS III	10 EA	ADDITIONAL GUARDRAIL POSTS
232	LF	***** RC PIPE CULVERTS, CLASS IV (48")	1 EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
3,208	LF	18" RC PIPE CULVERTS, CLASS IV	5 EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
72	LF	24" RC PIPE CULVERTS, CLASS IV	6 EA	GUARDRAIL ANCHOR UNITS, TYPE 350
136	LF	30" RC PIPE CULVERTS, CLASS IV	8 EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
1,212	LF	36" RC PIPE CULVERTS, CLASS IV	28 EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
320	LF	42" RC PIPE CULVERTS, CLASS IV	6,600 LF	CABLE GUIDERAIL
148	LF	18" CS PIPE CULVERTS, 0.064" THICK	10 EA	ADDITIONAL GUIDERAIL POSTS
2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	12 EA	CABLE GUIDERAIL ANCHOR UNITS
192	LF	PIPE REMOVAL	10,400 LF	WOVEN WIRE FENCE, 47" FABRIC
Lump Sum	LS	FINE GRADING	680 EA	4" TIMBER FENCE POSTS, 7'-6" LONG
1,000	CY	SHALLOW UNDERCUT	140 EA	5" TIMBER FENCE POSTS, 8'-0" LONG
1,900	TON	CLASS IV SUBGRADE STABILIZATION	7,700 LF	CHAIN LINK FENCE, *** FABRIC (120")
6,250	TON	STABILIZER AGGREGATE	3,200 LF	CHAIN LINK FENCE, *** FABRIC (72")
67,700	TON	AGGREGATE BASE COURSE	640 EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (120")
500	TON	INCIDENTAL STONE BASE		
288.75	GAL	PRIME COAT		

627,059	SF	REINFORCED CONCRETE DECK SLAB
64,606	SF	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)
625,253	SF	GROOVING BRIDGE FLOORS
16,377.3	CY	CLASS AA CONCRETE (BRIDGE)
781	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+73.17-RP C4-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (21+47.09-RP B4-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (353+32.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (353+32.50-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (398+75.47-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (398+75.47-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (425+60.75-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (425+60.75-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (440+50.13-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (440+50.13-L-RT)
109,668	LB	REINFORCING STEEL (BRIDGE)
3,165,144	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
120,862	LB	EPOXY COATED SPIRAL COLUMN RE- INFORCING STEEL (BRIDGE)
690.9	LF	45" PRESTRESSED CONCRETE GIR- DERS
3,951.49	LF	54" PRESTRESSED CONCRETE GIR- DERS
1,752.03	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
2,080	LF	16" PRESTRESSED CONCRETE PILES
31,900	LF	24" PRESTRESSED CONCRETE PILES
10,450	LF	HP12X53 STEEL PILES
28,662	LF	PREDRILLING FOR PILES
602	EA	PILE REDRIVES
2,791.7	LF	CONCRETE BARRIER RAIL
15,809.5	LF	VERTICAL CONCRETE BARRIER RAIL
2,495.23	LF	**" CHAIN LINK FENCE (72")
4,390	SY	4" SLOPE PROTECTION
20	TON	RIP RAP, CLASS B
5,575	TON	RIP RAP CLASS II (2'-0" THICK)
6,195	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	MODULAR EXPANSION JOINT SEALS
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (353+32.50-L-LT)
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (353+32.50-L-RT)
Lump Sum	LS	SOLAR ARRAY SUPPORT PLATFORM
Lump Sum	LS	GENERIC STRUCTURE ITEM PLASTIC LUMBER FENDER BOARDS @ BENT 7
Lump Sum	LS	GENERIC STRUCTURE ITEM POST TENSIONING TENDONS
Lump Sum	LS	GENERIC STRUCTURE ITEM STATIC AXIAL COMPRESSIVE LOAD TEST ON 30" SQ VOIDED PRESTR CONC PILE
34,290	LF	GENERIC STRUCTURE ITEM 30" VOIDED PRESTR CONC PILES
16,264	LF	GENERIC STRUCTURE ITEM 36" VOIDED PRESTR CONC PILES
51,250.6	LF	GENERIC STRUCTURE ITEM 78" PRESTR CONC GIRDERS
7,210	LF	GENERIC STRUCTURE ITEM 78" P-T PRESTR CONC GIRDERS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 005

CONTRACT ID : C203197 34820.3.GVS5

DIV OFFICE GREENSBORO

LENGTH = 3.874 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING, ITS, AND STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : MAR 14 2018

GREENSBORO-WESTERN LOOP FROM SOUTH OF SR-2137 (OLD OAK RIDGE RD) TO NORTH OF US-220 (BATTLEGROUND AVE).

ROADWAY ITEMS					
			1,916	LF	30" RC PIPE CULVERTS, CLASS III
			812	LF	36" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	MOBILIZATION	76	LF	48" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	16	LF	**** RC PIPE CULVERTS, CLASS IV (54")
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
1,153,700	CY	UNCLASSIFIED EXCAVATION	196	LF	**** RC PIPE CULVERTS, CLASS IV (66")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+83.53 -Y2-)	3,264	LF	15" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+81.21 -Y-)	700	LF	18" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (400+39.47 RT)	716	LF	24" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (400+49.43 LT)	92	LF	30" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (7+68.14 -RPBY4-)	460	LF	36" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (8+29.75 -RPCY4-)	516	LF	15" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (9+53.33 -RPAY4-)	240	LF	18" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (9+75.28 -RPDY4-)	32	LF	24" CS PIPE CULVERTS, 0.064" THICK
79,496	CY	UNDERCUT EXCAVATION	92	LF	30" CS PIPE CULVERTS, 0.079" THICK
67,100	CY	BORROW EXCAVATION	8	EA	*** CS PIPE ELBOWS, ***** (15", 0.064")
6	EA	EMBANKMENT SETTLEMENT GAUGES	6	EA	*** CS PIPE ELBOWS, ***** (18", 0.064")
4,880	CY	DRAINAGE DITCH EXCAVATION	1	EA	*** CS PIPE ELBOWS, ***** (24", 0.064")
2,600	LF	BERM DITCH CONSTRUCTION	1	EA	*** CS PIPE ELBOWS, ***** (30", 0.079")
17,130	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	749	LF	PIPE REMOVAL
70	HR	PROOF ROLLING	Lump Sum	LS	FINE GRADING
9,000	CY	SELECT GRANULAR MATERIAL	107,500	SY	LIME TREATED SOIL (SLURRY METHOD)
9,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	1,080	TON	LIME FOR LIME TREATED SOIL STABILIZER AGGREGATE
3,960	SF	TEMPORARY SHORING	2,000	TON	STABILIZER AGGREGATE
2,280	SY	REINFORCED SOIL SLOPES	53,500	TON	AGGREGATE BASE COURSE
4,100	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION @ -RPAY4- & -RPBY4-	161,240	SY	SOIL CEMENT BASE
1,400	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION @ -RPDY4-	4,435	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
2,500	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	40,310	GAL	ASPHALT CURING SEAL
6,650	SY	FOUNDATION CONDITIONING GEOTEXTILE	5,000	TON	INCIDENTAL STONE BASE
68	LF	*** SIDE DRAIN PIPE (12")	2,007.11	GAL	PRIME COAT
56	LF	*** SIDE DRAIN PIPE (6")	820	SY	MILLING ASPHALT PAVEMENT, *** TO ***** (0" TO 3")
196	LF	15" SIDE DRAIN PIPE	1,230	SY	INCIDENTAL MILLING
144	LF	18" SIDE DRAIN PIPE	51,180	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
368	LF	24" SIDE DRAIN PIPE	9,210	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
372	LF	**** RC PIPE CULVERTS, CLASS ***** (30", V)	25,140	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
384	LF	**** RC PIPE CULVERTS, CLASS ***** (48", V)	11,100	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
244	LF	**** RC PIPE CULVERTS, CLASS ***** (54", V)	21,160	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,956	LF	15" RC PIPE CULVERTS, CLASS III	9,640	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,428	LF	18" RC PIPE CULVERTS, CLASS III	9,170	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
3,200	LF	24" RC PIPE CULVERTS, CLASS III	6,850	TON	ASPHALT BINDER FOR PLANT MIX
			600	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
			65,050	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
			129,700	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (12")
			129,700	SY	GENERIC PAVING ITEM DIAMOND GRINDING PORT CEM CONC PAVEMENT

			47	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			2,891	LF	REMOVE EXISTING GUARDRAIL
			1,112.5	LF	TEMPORARY STEEL BM GUARDRAIL
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
150	EA	RIGHT OF WAY MARKERS	22,440	LF	WOVEN WIRE FENCE, 47" FABRIC
672	CY	SUBDRAIN EXCAVATION	1,410	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
2,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	360	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
336	CY	SUBDRAIN COARSE AGGREGATE	16,850	LF	CHAIN LINK FENCE, 48" FABRIC
2,000	LF	6" PERFORATED SUBDRAIN PIPE	1,290	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
4	EA	SUBDRAIN PIPE OUTLET	170	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
24	LF	6" OUTLET PIPE	10	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (48")
20,120	LF	SHOULDER DRAIN	6,050	LF	ADDITIONAL BARBED WIRE
20,120	LF	4" SHOULDER DRAIN PIPE	5	EA	SINGLE GATES, *** HIGH, *** WIDE, ** OPENING (48", 15', 15')
1,960	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	1,190	TON	RIP RAP, CLASS I
6	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	970	TON	RIP RAP, CLASS B
20	TON	BLOTTING SAND	20,470	SY	GEOTEXTILE FOR DRAINAGE
1	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	4	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
12	CY	ENDWALLS	8	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
11.3	CY	REINFORCED ENDWALLS	300	CY	OVERHEAD FOOTING
3.327	CY	PIPE COLLARS	6,900	LB	SUPPORTS, BREAKAWAY STEEL BEAM
154	EA	MASONRY DRAINAGE STRUCTURES	4,385	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
6.1	CY	MASONRY DRAINAGE STRUCTURES	1	EA	SUPPORTS, BARRIER (LARGE)
181	LF	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (A AT 50' SOUTH OF EXISTING STRUCTURE)
5	EA	FRAME WITH GRATE, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (B AT STA 184+50 -L-)
9	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (C AT STA 212+00 -L-)
12	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (D AT STA 64+75 -CD-)
64	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (E AT STA 42+75 -Y7BB-)
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (F AT 1340' EAST OF EXISTING STRUCTURE)
31	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (G AT 3320' EAST OF OVERHEAD ASSEMBLY F)
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (H AT STA 268+50 -L-)
4	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (I AT STA 259+00 -L-)
5	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (J AT STA 289+50 -L-)
2	EA	*** SLUICE GATE (18")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (K AT STA 322+00 -L-)
1	EA	*** SLUICE GATE (24")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (L AT STA 342+50 -L-)
2	EA	*** SLUICE GATE (30")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (M AT STA 394+32.96 -L-)
1	EA	*** SLUICE GATE (6")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (N AT STA 378+00 -L-)
1	EA	GENERIC DRAINAGE ITEM 18" FLAP GATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (O AT STA 10+00 -RPCY4-)
1	EA	GENERIC DRAINAGE ITEM 24" FLAP GATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (P AT STA 33+50 -Y4-)
1	EA	GENERIC DRAINAGE ITEM 30" FLAP GATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (Q AT STA 24+50 -Y4-)
13,270	LF	2'-6" CONCRETE CURB & GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (R AT STA 26+50 -Y4-)
80	LF	SHOULDER BERM GUTTER			
2	EA	MODIFIED CONCRETE FLUME			
4,280	LF	CONCRETE EXPRESSWAY GUTTER			
3,090	SY	4" CONCRETE SIDEWALK			
31	EA	CONCRETE CURB RAMP			
110	SY	6" CONCRETE DRIVEWAY			
490	SY	4" CONCRETE PAVED DITCH			
780	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
2,100	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED			
4	EA	ADJUSTMENT OF CATCH BASINS			
26	EA	ADJUSTMENT OF DROP INLETS			
5	EA	IMPACT ATTENUATOR UNIT, TYPE 350			
49,262.5	LF	STEEL BM GUARDRAIL			
62.5	LF	STEEL BM GUARDRAIL, SHOP CURVED			
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS			
50	EA	ADDITIONAL GUARDRAIL POSTS			
24	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-I			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
43	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			

			117	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			4,940	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (S AT STA 16+50 -RPAY4-)	136,588	LF	PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (T AT STA 77+23 -RPBD-)	1,875	LF	PAINT PAVEMENT MARKING LINES (8")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (U AT 50' EAST OF EXISTING STRUCTURE)	520	LF	PAINT PAVEMENT MARKING LINES (24")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (V AT 50' EAST OF EXISTING STRUCTURE)	2,432	LF	POLYUREA PAVEMENT MARKING LINES (4", *****)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (W AT 40' EAST OF EXISTING STRUCTURE)	115,826	LF	(HIGHLY REFLECTIVE ELEMENTS) POLYUREA PAVEMENT MARKING LINES (6", *****)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (W AT 40' EAST OF EXISTING STRUCTURE)	809	LF	(HIGHLY REFLECTIVE ELEMENTS) POLYUREA PAVEMENT MARKING LINES (8", *****)
	4	EA	4,731	LF	(HIGHLY REFLECTIVE ELEMENTS) POLYUREA PAVEMENT MARKING LINES (12", *****)
	138	EA	59,196	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
	6	EA	250	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
	75	EA	30	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
	13	EA	2,511	EA	SNOWPLOWABLE PAVEMENT MARKERS
	18	EA	2	EA	100' HIGH MOUNT STANDARD
			1	EA	PORTABLE DRIVE UNIT
	1	EA	14	CY	HIGH MOUNT FOUNDATIONS
			12	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
	38	EA	1	EA	ELECTRIC SERVICE POLE ***** (30' CLASS 4)
	2	EA	100	LF	ELECTRIC SERVICE LATERAL ***** (3, #1/0 USE)
	8	EA	1	EA	LIGHT CONTROL EQUIPMENT, TYPE SP ***** (SSPM, 480/240 VAC)
	8	EA	430	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
	48	EA	50	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")
	79	EA	90	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")
	4	EA	120	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
	3	EA	1,420	LF	** #8 W/G FEEDER CIRCUIT (2)
	33	EA	500	LF	** #4 W/G FEEDER CIRCUIT (2)
	33	EA	1,160	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
	390	SF	830	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
	632	SF	3	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
	220	SF	4	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)
	2	EA	10	EA	UNDERPASS LUMINARIES ***** (100W HPS PM)
	2	EA	Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (UPL1)
	354	EA	Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (UPL2)
	136	LF	165	LF	2" WATER LINE
	3,820	HR	20	LF	8" WATER LINE
	6	EA	1,814	LF	12" WATER LINE
	2	EA	1,164	LF	16" WATER LINE
	1,100	LF	1	EA	8" VALVE
	1,165	LF	2	EA	12" VALVE
			2	EA	16" VALVE
	89	EA	1	EA	6" TAPPING VALVE
	260	LF	2	EA	RELOCATE WATER METER
	1,279	EA	1	EA	RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY
	8,654	LF	6	EA	RELOCATE FIRE HYDRANT
	15,256	LF	265	LF	8" SANITARY GRAVITY SEWER
	33,815	LF	817	LF	12" SANITARY GRAVITY SEWER
	2,885	LF	833	LF	18" SANITARY GRAVITY SEWER
	1,581	LF	10	EA	SANITARY SEWER CLEAN-OUT
	990	LF	11	EA	4" DIA UTILITY MANHOLE
	4,969	LF			
	2,302	LF			
	1,163	LF			
	8	EA			

65	LF	UTILITY MANHOLE WALL, 4' DIA			
776	LF	ABANDON 12" UTILITY PIPE			
780	LF	ABANDON 16" UTILITY PIPE			
850	LF	ABANDON 18" UTILITY PIPE			
1	EA	REMOVE FIRE HYDRANT			
8	EA	ABANDON UTILITY MANHOLE			
1,531	LF	24" ENCASEMENT PIPE			
560	LF	30" ENCASEMENT PIPE			
555	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL			
555	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL			
180	LF	TRENCHLESS INSTALLATION OF 30" IN SOIL			
180	LF	TRENCHLESS INSTALLATION OF 30" NOT IN SOIL			
43,815	LF	TEMPORARY SILT FENCE			
5,000	TON	STONE FOR EROSION CONTROL, CLASS A			
10,000	TON	STONE FOR EROSION CONTROL, CLASS B			
10,125	TON	SEDIMENT CONTROL STONE			
150	ACR	TEMPORARY MULCHING			
4,100	LB	SEED FOR TEMPORARY SEEDING			
18	TON	FERTILIZER FOR TEMPORARY SEEDING			
8,005	LF	TEMPORARY SLOPE DRAINS			
21,700	LF	SAFETY FENCE			
51,370	CY	SILT EXCAVATION			
150,000	SY	MATTING FOR EROSION CONTROL			
1,530	SY	COIR FIBER MAT			
2,115	SY	PERMANENT SOIL REINFORCEMENT MAT			
14,990	LF	1/4" HARDWARE CLOTH			
115	LF	*** TEMPORARY PIPE (24")			
160	LF	TEMPORARY PIPE FOR STREAM CROSSING			
500	CY	STILLING BASINS			
50	EA	SPECIAL STILLING BASINS			
4,200	LF	COIR FIBER WATTLE			
1,000	LF	COIR FIBER WATTLE BARRIER			
5,230	LB	POLYACRYLAMIDE (PAM)			
12,080	LF	COIR FIBER BAFFLE			
31	EA	*** SKIMMER (1-1/2")			
3	EA	*** SKIMMER (2")			
2	EA	*** SKIMMER (2-1/2")			
1	EA	*** SKIMMER (3")			
125	ACR	SEEDING & MULCHING			
60	ACR	MOWING			
1,850	LB	SEED FOR REPAIR SEEDING			
5	TON	FERTILIZER FOR REPAIR SEEDING			
2,500	LB	SEED FOR SUPPLEMENTAL SEEDING			
75	TON	FERTILIZER TOPDRESSING			
575	LF	IMPERVIOUS DIKE			
235	MHR	SPECIALIZED HAND MOWING			
150	EA	RESPONSE FOR EROSION CONTROL			
650	CY	CULVERT DIVERSION CHANNEL			
10	ACR	REFORESTATION			
Lump Sum	LS	GENERIC EROSION CONTROL ITEM MAINTENANCE & REMOVAL OF EROSION CONTROL DEVICES			
12	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
7,650	LF	SIGNAL CABLE			
18	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
2	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
2,450	LF	MESSENGER CABLE (1/4")			
660	LF	MESSENGER CABLE (3/8")			
19,065	LF	TRACER WIRE			
2,140	LF	UNPAVED TRENCHING (***** (1, 2"))			
11,500	LF	UNPAVED TRENCHING (***** (4, 1-1/4"))			
375	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN			
200	LF	DIRECTIONAL DRILL (***** (1, 2"))			
2,455	LF	DIRECTIONAL DRILL (***** (2, 2"))			
4,750	LF	DIRECTIONAL DRILL (***** (4, 1-1/4"))			
30	EA	JUNCTION BOX (STANDARD SIZE)			
47	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
8	EA	GUY ASSEMBLY			
4	EA	1/2" RISER WITH WEATHERHEAD			
1	EA	1" RISER WITH WEATHERHEAD			
10	EA	2" RISER WITH WEATHERHEAD			
3	EA	2" RISER WITH HEAT SHRINK TUBING			
2,950	LF	INDUCTIVE LOOP SAWCUT			
12,150	LF	LEAD-IN CABLE (***** (14-2))			
16,060	LF	COMMUNICATIONS CABLE (**FIBER) (144)			
6,000	LF	COMMUNICATIONS CABLE (**FIBER) (24)			
2,180	LF	DROP CABLE			
6	EA	SPLICE ENCLOSURE			
5	EA	MODIFY SPLICE ENCLOSURE			
9	EA	INTERCONNECT CENTER			
39	EA	DELINEATOR MARKER			
5,225	LF	REMOVE EXISTING COMMUNICATIONS CABLE			
8	EA	METAL STRAIN SIGNAL POLE			
13	EA	SOIL TEST			
89	CY	DRILLED PIER FOUNDATION			
4	EA	SIGN FOR SIGNALS			
9	EA	TYPE II PEDESTAL WITH FOUNDATION			
1	EA	SIGNAL CABINET FOUNDATION			
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			
6	EA	DETECTOR CARD (TYPE 2070L)			
1	EA	CABINET BASE EXTENDER			
21	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE			
3	EA	GENERIC SIGNAL ITEM 50' CCTV METAL POLE			
2	EA	GENERIC SIGNAL ITEM 60' CCTV METAL POLE WITH LOWERING DEVICE			
5	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY			
1	EA	GENERIC SIGNAL ITEM CENTRAL MEDIA CONVERTER			
5	EA	GENERIC SIGNAL ITEM CENTRAL VIDEO CODEC UNIT			
1	EA	GENERIC SIGNAL ITEM CORE ETHERNET SWITCH			
2	EA	GENERIC SIGNAL ITEM DMS			
1	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER			
1	EA	GENERIC SIGNAL ITEM DMS OVERHEAD STRUCTURE			
1	EA	GENERIC SIGNAL ITEM DMS PEDESTAL STRUCTURE			
1	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT			
5	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET			
8	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH			
1	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH FOR TRAFFIC SIGNALS			
5	EA	GENERIC SIGNAL ITEM FIELD VIDEO CODEC UNIT			
7	EA	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINATION PANEL			
Lump Sum	LS	GENERIC SIGNAL ITEM INTEGRATION AND CONFIGURATION			
210	LF	GENERIC SIGNAL ITEM #4 SOLID BARE GROUNDING CONDUCTOR			
100	LF	GENERIC SIGNAL ITEM 3-WIRE COPPER FEEDER CONDUCTOR			
240	LF	GENERIC SIGNAL ITEM 4-WIRE COPPER FEEDER CONDUCTOR			
CULVERT ITEMS					
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (313+42.00-L-LT)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (317+05.00-L-LT)			
878	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT			
1,212.9	CY	CLASS A CONCRETE (CULVERT)			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID**L130917 007****CONTRACT ID : C203387 46140.3.FS1****DIV OFFICE DURHAM****LENGTH = 19.461 MI****COUNTY : FRANKLIN, VANCE****GUIDERAIL AND GUARDRAIL INSTALLATION.****DBE GOAL 2.0% COMPLETION DATE : AUG 01 2014****US-1 FROM SR-1135 (WALL RD) IN FRANKLIN COUNTY TO US-1 BUS IN VANCE COUNTY.****ROADWAY ITEMS**

Lump Sum	LS	MOBILIZATION
10,875	LF	STEEL BM GUARDRAIL
10	EA	ADDITIONAL GUARDRAIL POSTS
6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
2	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
100	LF	REMOVE EXISTING GUARDRAIL
20,558	LF	CABLE GUIDERAIL
48,472	LF	DOUBLE FACED CABLE GUIDERAIL
122	EA	CABLE GUIDERAIL ANCHOR UNITS
576	SF	WORK ZONE SIGNS (PORTABLE)
3	EA	FLASHING ARROW BOARD
3	EA	PORTABLE CHANGEABLE MESSAGE SIGN
314	EA	DRUMS
3	EA	TMA
2	ACR	SEEDING & MULCHING
10	MHR	SPECIALIZED HAND MOWING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130917 008

CONTRACT ID : C203428

5CR.10731.13

DIV OFFICE DURHAM

LENGTH = 14.040 MI

COUNTY : PERSON

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE : MAY 30 2014

NC-57 FROM SR-1340 TO CASWELL COUNTY LINE AND 4 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
5,887	CY	BORROW EXCAVATION
335	TON	INCIDENTAL STONE BASE
25.08	SMI	SHOULDER RECONSTRUCTION
17,870	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
80,667	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
2,230	SY	INCIDENTAL MILLING
11,823	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
6,889	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
8,746	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
700	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
1,610	TON	ASPHALT BINDER FOR PLANT MIX
1,350	TON	PATCHING EXISTING PAVEMENT
10	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1,572	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
151,070	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
92,664	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,600	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)
95,480	LF	PAINT PAVEMENT MARKING LINES (4")
1,600	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
363	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,600	LF	TEMPORARY SILT FENCE
18.2	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 009

CONTRACT ID : C203155 38385.3.FD1

DIV OFFICE FAYETTEVILLE

LENGTH = 0.360 MI

COUNTY : COLUMBUS

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 8.0% COMPLETION DATE : MAY 14 2015

BRIDGE #275 AND #278 OVER LIVINGSTON CREEK ON SR-1824 AND BRIDGE #279 AND #288 OVER LIVINGSTON CREEK ON SR-1831.

ROADWAY ITEMS					
			5,250	LF	TEMPORARY SILT FENCE
			300	TON	STONE FOR EROSION CONTROL, CLASS A
			90	TON	STONE FOR EROSION CONTROL, CLASS B
Lump Sum	LS	MOBILIZATION	315	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	CONSTRUCTION SURVEYING	5	ACR	TEMPORARY MULCHING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (15+12)	200	LB	SEED FOR TEMPORARY SEEDING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+02)	0.75	TON	FERTILIZER FOR TEMPORARY SEEDING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+88)	400	LF	TEMPORARY SLOPE DRAINS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+69)	3,100	LF	SAFETY FENCE
Lump Sum	LS	GRADING	150	CY	SILT EXCAVATION
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	6,400	SY	MATTING FOR EROSION CONTROL
800	CY	UNDERCUT EXCAVATION	400	SY	COIR FIBER MAT
800	CY	SELECT GRANULAR MATERIAL	825	LF	1/4" HARDWARE CLOTH
1,100	SY	GEOTEXTILE FOR SOIL STABILIZATION	545	LF	WATTLE
3,080	SY	GENERIC GRADING ITEM GEOTEXTILE FOR ROCK PLATING, TYPE 2	5	LB	POLYACRYLAMIDE (PAM)
1,880	TON	GENERIC GRADING ITEM PLAIN RIP RAP, CLASS 2	5	ACR	SEEDING & MULCHING
390	TON	SELECT MATERIAL, CLASS **** (IV)	2.5	ACR	MOWING
30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	100	LB	SEED FOR REPAIR SEEDING
70	SY	FOUNDATION CONDITIONING GEOTEXTILE	0.5	TON	FERTILIZER FOR REPAIR SEEDING
188	LF	15" DRAINAGE PIPE	150	LB	SEED FOR SUPPLEMENTAL SEEDING
16	EA	***" DRAINAGE PIPE ELBOWS (15")	3.25	TON	FERTILIZER TOPDRESSING
100	CY	SHALLOW UNDERCUT	20	MHR	SPECIALIZED HAND MOWING
200	TON	CLASS IV SUBGRADE STABILIZATION	36	EA	RESPONSE FOR EROSION CONTROL
60	TON	INCIDENTAL STONE BASE			
500	SY	INCIDENTAL MILLING			
900	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
1,100	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
120	TON	ASPHALT BINDER FOR PLANT MIX			
40	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
45	CY	SUBDRAIN EXCAVATION			
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS			
33.6	CY	SUBDRAIN COARSE AGGREGATE			
200	LF	6" PERFORATED SUBDRAIN PIPE			
1	EA	SUBDRAIN PIPE OUTLET			
6	LF	6" OUTLET PIPE			
8	EA	MASONRY DRAINAGE STRUCTURES			
8	EA	FRAME WITH GRATE, STD 840.29			
195	LF	SHOULDER BERM GUTTER			
70	LF	GENERIC PAVING ITEM SPECIAL SHOULDER BERM CURB			
1,550	LF	STEEL BM GUARDRAIL			
10	EA	ADDITIONAL GUARDRAIL POSTS			
16	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
20	TON	RIP RAP, CLASS B			
1,315	SY	GEOTEXTILE FOR DRAINAGE	28,015	LB	REINFORCING STEEL (BRIDGE)
24	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	2,730	LF	HP12X53 STEEL PILES
642	SF	WORK ZONE SIGNS (STATIONARY)	1,960	LF	HP14X73 GALVANIZED STEEL PILES
188	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	48	EA	PILE REDRIVES
160	LF	BARRICADES (TYPE III)	792	LF	VERTICAL CONCRETE BARRIER RAIL
8,400	LF	PAINT PAVEMENT MARKING LINES (4")	166	TON	RIP RAP, CLASS B
			684	TON	RIP RAP CLASS II (2'-0" THICK)
			760	SY	GEOTEXTILE FOR DRAINAGE
			Lump Sum	LS	ELASTOMERIC BEARINGS

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+12.00-L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+02.00-L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+88.00-L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (21+69.00-L-)			
2	EA	PDA TESTING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+12.00-L-)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+02.00-L-)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (18+88.00-L-)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (21+69.00-L-)			
189.3	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+12.00-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+02.00-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+88.00-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (21+69.00-L-)			

2,145	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS
2,200	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 010

CONTRACT ID : C203383 45349.3.FD19

DIV OFFICE CASTLE HAYNE

LENGTH = 0.171 MI

COUNTY : SAMPSON, BLADEN

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE : MAR 14 2015

BRIDGE #77 OVER SOUTH RIVER OVERFLOW & BRIDGE #78 OVER SOUTH RIVER ON SR-1208 (GREEN'S BRIDGE ROAD).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+70)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+80.5)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
300	CY	UNDERCUT EXCAVATION
300	CY	SELECT GRANULAR MATERIAL
500	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
68	LF	15" RC PIPE CULVERTS, CLASS III
25	TON	INCIDENTAL STONE BASE
560	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
510	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
60	TON	ASPHALT BINDER FOR PLANT MIX
22.4	CY	SUBDRAIN EXCAVATION
100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
16.8	CY	SUBDRAIN COARSE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
3	EA	MASONRY DRAINAGE STRUCTURES
1.54	LF	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.29
100	LF	SHOULDER BERM GUTTER
550	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	TON	RIP RAP, CLASS B
10	SY	GEOTEXTILE FOR DRAINAGE
431	SF	WORK ZONE SIGNS (STATIONARY)
69	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
64	LF	BARRICADES (TYPE III)
7,240	LF	PAINT PAVEMENT MARKING LINES (4")
11	EA	PERMANENT RAISED PAVEMENT MARKERS
1,890	LF	TEMPORARY SILT FENCE
35	TON	STONE FOR EROSION CONTROL, CLASS B
40	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.03	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
500	LF	SAFETY FENCE
60	CY	SILT EXCAVATION
1,100	SY	MATTING FOR EROSION CONTROL
140	LF	1/4" HARDWARE CLOTH
95	SY	FLOATING TURBIDITY CURTAIN
465	LF	COIR FIBER WATTLE
40	LB	POLYACRYLAMIDE (PAM)
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING

1.25	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+70.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+80.50-L-)
1	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (14+70.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+80.50-L-)
114.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+70.00-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+80.50-L-)
16,453	LB	REINFORCING STEEL (BRIDGE)
1,095	LF	HP12X53 STEEL PILES
1,505	LF	HP14X73 GALVANIZED STEEL PILES
26	EA	PILE REDRIVES
451.25	LF	VERTICAL CONCRETE BARRIER RAIL
360	TON	RIP RAP CLASS II (2'-0" THICK)
401	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
2,390	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130917 011

CONTRACT ID : C202664 39889.3.FS1

DIV OFFICE WINSTON-SALEM

LENGTH = 2.478 MI

COUNTY : DAVIDSON

GRADING, DRAINAGE, PAVING, AND BRIDGE PRESERVATION.

DBE GOAL 10.0% COMPLETION DATE : JUN 26 2015

US-29/52/70/I-85 BUS FROM N OF I-85 TO S OF SR-1147 AND BRIDGES #43 & #525 OVER SWEARING CREEK ON US-29/52/70.

ROADWAY ITEMS					
			1,500	LF	REMOVE & RESET EXISTING GUARDRAIL
			9,310	LF	REMOVE EXISTING GUARDRAIL
			16,520	LF	WOVEN WIRE FENCE, 47" FABRIC
			1,010	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			311	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			17,520	LF	ADDITIONAL BARBED WIRE
			5,400	LF	GENERIC FENCING ITEM REMOVE & REPLACE GLARE SCREEN
			4	TON	RIP RAP, CLASS I
			15	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
			1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
			40	CY	OVERHEAD FOOTING
			7,606	LB	SUPPORTS, BREAKAWAY STEEL BEAM
			4,735	LB	SUPPORTS, SIMPLE STEEL BEAM
			1,725	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (141+30-L-)
			Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (85+90-RAMP REV-)
			7	EA	SIGN ERECTION, TYPE D
			53	EA	SIGN ERECTION, TYPE E
			11	EA	SIGN ERECTION, TYPE F
			6	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
			7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
			20	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
			12	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
			4	EA	SIGN ERECTION, MILEMARKERS
			14	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
			55	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			4	EA	DISPOSAL OF SIGN SYSTEM, WOOD
			5	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
			3	EA	DISPOSAL OF LIGHTING SYSTEM
			479	SF	WORK ZONE SIGNS (STATIONARY)
			560	SF	WORK ZONE SIGNS (PORTABLE)
			50	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			2	EA	FLASHING ARROW BOARD
			4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			500	EA	DRUMS
			150	LF	BARRICADES (TYPE III)
			2	EA	TEMPORARY CRASH CUSHIONS
			4	EA	RESET TEMPORARY CRASH CUSHION
			2	EA	TMA
			440	LF	PORTABLE CONCRETE BARRIER
			880	LF	RESET PORTABLE CONCRETE BARRIER
			5,400	EA	TEMPORARY RAISED PAVEMENT MARKERS
			70	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			20	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			4,200	LF	PAINT PAVEMENT MARKING LINES (4")
			99,300	LF	PAINT PAVEMENT MARKING LINES (6")
			2,500	LF	PAINT PAVEMENT MARKING LINES (12")
			50	LF	PAINT PAVEMENT MARKING LINES (24")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
400	CY	UNDERCUT EXCAVATION			
200	CY	SELECT GRANULAR MATERIAL			
35,300	SY	GEOTEXTILE FOR SOIL STABILIZATION			
40	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
680	SY	FOUNDATION CONDITIONING GEOTEXTILE			
254	LF	18" RC PIPE CULVERTS, CLASS IV			
86	LF	24" RC PIPE CULVERTS, CLASS IV			
224	LF	PIPE REMOVAL			
11,700	CY	SHALLOW UNDERCUT			
22,880	TON	CLASS IV SUBGRADE STABILIZATION			
6,500	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")			
65,000	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 4")			
1,200	SY	INCIDENTAL MILLING			
24,270	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
21,900	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
9,950	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
2,710	TON	ASPHALT BINDER FOR PLANT MIX			
53,250	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)			
240	SY	GENERIC PAVING ITEM REPAIR OF JOINTED CONCRETE PAVEMENT SLABS			
6	EA	RIGHT OF WAY MARKERS			
6,240	LF	SHOULDER DRAIN			
6,240	LF	4" SHOULDER DRAIN PIPE			
330	LF	4" OUTLET PIPE FOR SHOULDER DRAINS			
10	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET			
6	EA	MASONRY DRAINAGE STRUCTURES			
37	EA	FRAME WITH TWO GRATES, STD 840.22			
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
1	EA	STEEL FRAME WITH TWO GRATES, STD 840.37			
1	EA	GENERIC DRAINAGE ITEM OTCB TOP SLAB			
190	LF	2'-6" CONCRETE CURB & GUTTER			
20	SY	6" CONCRETE DRIVEWAY			
4	EA	CONCRETE BARRIER TRANSITION SECTION			
1	EA	ADJUSTMENT OF CATCH BASINS			
5	EA	ADJUSTMENT OF DROP INLETS			
1	EA	ADJUSTMENT OF MANHOLES			
36	EA	CONVERT EXISTING CATCH BASIN TO DROP INLET			
8,500	LF	STEEL BM GUARDRAIL			
10	EA	ADDITIONAL GUARDRAIL POSTS			
6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
12	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
9	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83			

750	LF	POLYUREA PAVEMENT MARKING LINES (4" *****) (HIGHLY REFLECTIVE ELEMENTS)
35,800	LF	POLYUREA PAVEMENT MARKING LINES (6" *****) (HIGHLY REFLECTIVE ELEMENTS)
2,500	LF	POLYUREA PAVEMENT MARKING LINES (12" *****) (HIGHLY REFLECTIVE ELEMENTS)
120	EA	SNOWPLOWABLE PAVEMENT MARKERS
24	EA	FLEXIBLE DELINEATORS (CRYSTAL)
18	EA	FLEXIBLE DELINEATORS (YELLOW)
980	LF	TEMPORARY SILT FENCE
270	TON	STONE FOR EROSION CONTROL, CLASS A
285	TON	STONE FOR EROSION CONTROL, CLASS B
385	TON	SEDIMENT CONTROL STONE
15	ACR	TEMPORARY MULCHING
650	LB	SEED FOR TEMPORARY SEEDING
3	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
420	CY	SILT EXCAVATION
8,500	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
755	SY	PERMANENT SOIL REINFORCEMENT MAT
1,150	LF	1/4" HARDWARE CLOTH
140	LF	WATTLE
80	LB	POLYACRYLAMIDE (PAM)
170	LF	COIR FIBER BAFFLE
20	ACR	SEEDING & MULCHING
10	ACR	MOWING
250	LB	SEED FOR REPAIR SEEDING
0.75	TON	FERTILIZER FOR REPAIR SEEDING
450	LB	SEED FOR SUPPLEMENTAL SEEDING
13.25	TON	FERTILIZER TOPDRESSING
30	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

9,911	SF	CONCRETE WEARING SURFACE
8,964	SF	GROOVING BRIDGE FLOORS
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM POST-TENSIONING STRAND REPLACEMENT
1,101.3	SY	GENERIC STRUCTURE ITEM MILLING OF BRIDGE DECK

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 012

CONTRACT ID : C203203 38063.3.FS1

DIV OFFICE ALBEMARLE

LENGTH = 0.385 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, PAVING, AND SIGNALS.

DBE GOAL 11.0% COMPLETION DATE : APR 30 2015

I-77 AT SR-5544 (W CATAWBA AVE) INTERCHANGE IN CORNELIUS.

ROADWAY ITEMS					
			12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			4	EA	FRAME WITH COVER, STD 840.54
Lump Sum	LS	MOBILIZATION	5	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
Lump Sum	LS	CONSTRUCTION SURVEYING	1	EA	*** SLUICE GATE (30")
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM ELECTRICAL SERVICE & PANEL	1,420	LF	1'-6" CONCRETE CURB & GUTTER
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM MAST & CABLE	2,930	LF	2'-6" CONCRETE CURB & GUTTER
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM MISC ELECTRICAL & LANDSCAPING	1,020	SY	4" CONCRETE SIDEWALK
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM PEDESTRIAN REFUGE ISLAND-PERIMETER	4	EA	RETROFIT EXISTING CURB RAMP
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM PEDESTRIAN REFUGE ISLAND-SIDEWALK	18	EA	CONCRETE CURB RAMP
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM PEDESTRIAN REFUGE ISLAND-SIDEWALK	1,430	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
535	LF	GENERIC MISCELLANEOUS ITEM 3'-10" X 2'-7" CONCRETE PARAPET	20	SY	*** MONOLITHIC CONCRETE MEDIAN (*****) (8", DDI ISLAND)
500	CY	UNDERCUT EXCAVATION	546.84	LF	CONCRETE BARRIER, TYPE ***** (DDI BARRIER)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	1	EA	ADJUSTMENT OF CATCH BASINS
Lump Sum	LS	GRADING	1	EA	ADJUSTMENT OF MANHOLES
16,500	CY	BORROW EXCAVATION	1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE
1,520	CY	DRAINAGE DITCH EXCAVATION	825	LF	STEEL BM GUARDRAIL
500	CY	SELECT GRANULAR MATERIAL	2	EA	ADDITIONAL GUARDRAIL POSTS
2,100	SY	GEOTEXTILE FOR SOIL STABILIZATION	4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (B-83 SHOP CURVED)
228	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
360	SY	FOUNDATION CONDITIONING GEOTEXTILE	4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
296	LF	15" SIDE DRAIN PIPE	231	LF	REMOVE EXISTING GUARDRAIL
16	EA	*** SIDE DRAIN PIPE ELBOWS (15")	300	LF	GENERIC GUARDRAIL ITEM WEATHERING STEEL BM GUARDRAIL WITH PAINTED LAPS
12	LF	18" RC PIPE CULVERTS, CLASS III	362.5	LF	GENERIC GUARDRAIL ITEM WEATHERING STEEL BM GUARDRAIL WITH PAINTED LAPS, SHOP CURVED
68	LF	30" RC PIPE CULVERTS, CLASS III	2	EA	GENERIC GUARDRAIL ITEM PAINTED ADDITIONAL GUARDRAIL POSTS
1,512	LF	15" RC PIPE CULVERTS, CLASS IV	3	EA	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL ANCHOR UNITS, TYPE 350
750	CY	SHALLOW UNDERCUT	4	EA	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL ANCHOR UNITS, TYPE B-83 SHOP CURVED
1,500	TON	CLASS IV SUBGRADE STABILIZATION	3	EA	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL ANCHOR UNITS, TYPE CAT-1
500	TON	STABILIZER AGGREGATE	230	LF	GENERIC FENCING ITEM 48" VINYL WW FENCE RESET
3,500	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	218	LF	GENERIC FENCING ITEM 48" WOOD RAIL FENCE RESET
300	TON	INCIDENTAL STONE BASE	314	LF	GENERIC FENCING ITEM 60" VINYL FENCE RESET
4,660	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	25	TON	RIP RAP, CLASS I
1,510	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")	21	TON	RIP RAP, CLASS B
1,770	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	1,315	SY	GEOTEXTILE FOR DRAINAGE
1,590	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	7	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
4,180	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2	CY	PLAIN CONCRETE SIGN FOUNDATIONS
405	TON	ASPHALT BINDER FOR PLANT MIX	7,336	LB	SUPPORTS, BREAKAWAY STEEL BEAM
200	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	346	LB	SUPPORTS, SIMPLE STEEL BEAM
8	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	1,205	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2.3	CY	ENDWALLS	3	EA	SIGN ERECTION, TYPE D
0.846	CY	PIPE COLLARS	67	EA	SIGN ERECTION, TYPE E
36	EA	MASONRY DRAINAGE STRUCTURES	11	EA	SIGN ERECTION, TYPE F
5	EA	FRAME WITH TWO GRATES, STD 840.16	7	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	6	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)
12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			

1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (B)	774	LF	PAINT PAVEMENT MARKING LINES (24")
3	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)	100	EA	PAINT PAVEMENT MARKING CHARACTER
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (F)	122	EA	PAINT PAVEMENT MARKING SYMBOL
7	EA	DISPOSAL OF SUPPORT, STEEL BEAM	11,407	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
40	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	130	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
2	EA	DISPOSAL OF SUPPORT, U-CHANNEL	298	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
1	EA	DISPOSAL OF SIGN, D, E OR F	79	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM ON SPAN WIRE	339	EA	PERMANENT RAISED PAVEMENT MARKERS
580	SF	WORK ZONE SIGNS (STATIONARY)	2	EA	80' HIGH MOUNT STANDARD
1,547	SF	WORK ZONE SIGNS (PORTABLE)	2	EA	100' HIGH MOUNT STANDARD
66	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	1	EA	PORTABLE DRIVE UNIT
6	EA	FLASHING ARROW BOARD	24	CY	HIGH MOUNT FOUNDATIONS
8	EA	PORTABLE CHANGEABLE MESSAGE SIGN	16	EA	HIGH MOUNT LUMINAIRES ***** (400W HPS)
350	EA	DRUMS	12	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
20	EA	CONES	11	EA	LIGHT STANDARD, TYPE MTLT ***** (45' (SA) 15')
172	LF	BARRICADES (TYPE III)	7	EA	STANDARD FOUNDATION ***** (R1)
80	HR	FLAGGER	4	EA	STANDARD FOUNDATION ***** (R2)
2	EA	TMA	11	EA	LIGHT STANDARD LUMINAIRES, TYPE RDW 400W HPS
1,209	LF	WATER FILLED BARRIER	100	LF	ELECTRIC SERVICE LATERAL ***** (3,#1/0 USE)
1,250	HR	LAW ENFORCEMENT SKINNY DRUM	320	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
36	EA	SKINNY DRUM	505	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
62	EA	TUBULAR MARKERS (FIXED)	280	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")
339	EA	TEMPORARY RAISED PAVEMENT MARKERS	450	LF	** #6 W/G FEEDER CIRCUIT (2)
3,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	300	LF	** #4 W/G FEEDER CIRCUIT (2)
2,697	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	1,715	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
4,545	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	3,300	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
783	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1,940	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
560	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	17	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
880	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	4	EA	ELECTRICAL JUNCTION BOXES ***** (PC36)
1,326	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	Lump Sum	LS	PORTABLE LIGHTING
380	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	1	EA	GENERIC LIGHTING ITEM RELOCATE CONTROL SYSTEM
961	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	2	EA	GENERIC LIGHTING ITEM REMOVE HIGH MAST LIGHT STANDARD
50	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	2	EA	GENERIC LIGHTING ITEM REMOVE HIGH MAST STANDARD FOUNDATION
72	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	11	EA	GENERIC LIGHTING ITEM REMOVE LIGHT STANDARD FOUNDATION
550	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	11	EA	GENERIC LIGHTING ITEM REMOVE SINGLE ARM LIGHT STANDARD
2,145	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	18	LF	6" WATER LINE
159	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (II)	334	LF	8" WATER LINE
178	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (IV)	2	EA	8" VALVE
9	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (II)	1	EA	16" VALVE
10	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (IV)	1	EA	2" BLOW OFF
5	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)	2	EA	RELOCATE WATER METER
9	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)	1	EA	RECONNECT WATER METER
21,315	LF	PAINT PAVEMENT MARKING LINES (4")	1	EA	RELOCATE FIRE HYDRANT
10,656	LF	PAINT PAVEMENT MARKING LINES (6")	1	EA	6" LINE STOP
1,744	LF	PAINT PAVEMENT MARKING LINES (8")	2	EA	8" LINE STOP
3,412	LF	PAINT PAVEMENT MARKING LINES (12")	160	LF	8" SANITARY GRAVITY SEWER
			316	LF	ABANDON 6" UTILITY PIPE
			168	LF	ABANDON 8" UTILITY PIPE
			5,000	LF	TEMPORARY SILT FENCE
			950	TON	STONE FOR EROSION CONTROL, CLASS A

700	TON	STONE FOR EROSION CONTROL, CLASS B	30	CY	DRILLED PIER FOUNDATION
755	TON	SEDIMENT CONTROL STONE	6	EA	MAST ARM WITH METAL POLE DESIGN
12	ACR	TEMPORARY MULCHING	41	EA	SIGN FOR SIGNALS
350	LB	SEED FOR TEMPORARY SEEDING	16	EA	TYPE II PEDESTAL WITH FOUNDATION
3	TON	FERTILIZER FOR TEMPORARY SEEDING	2	EA	SIGNAL CABINET FOUNDATION
950	LF	TEMPORARY SLOPE DRAINS	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
100	LF	SAFETY FENCE	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
2,100	CY	SILT EXCAVATION	18	EA	DETECTOR CARD (TYPE 2070L)
11,200	SY	MATting FOR EROSION CONTROL	2	EA	CABINET BASE EXTENDER
35	SY	COIR FIBER MAT	12	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE
2,111	SY	PERMANENT SOIL REINFORCEMENT MAT	1	EA	GENERIC SIGNAL ITEM 6" X 6" WOOD PEDESTAL
1,500	LF	1/4" HARDWARE CLOTH	2	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
500	LF	COIR FIBER WATTLE	2	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE (60')
240	LB	POLYACRYLAMIDE (PAM)	2	EA	GENERIC SIGNAL ITEM DMS
350	LF	COIR FIBER BAFFLE	2	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER
2	EA	*** SKIMMER (1-1/2")	2	EA	GENERIC SIGNAL ITEM DMS STRUCTURE (SINGLE PEDESTAL)
1	EA	*** SKIMMER (2")	2	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT
10	ACR	SEEDING & MULCHING	2	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET
6	ACR	MOWING	2	EA	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINATION PANEL
150	LB	SEED FOR REPAIR SEEDING	1	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE EQUIPMENT
0.25	TON	FERTILIZER FOR REPAIR SEEDING	2	EA	GENERIC SIGNAL ITEM MODIFY RADIO INSTALLATION
250	LB	SEED FOR SUPPLEMENTAL SEEDING	1	EA	GENERIC SIGNAL ITEM MODIFY SIGNAL CABINET ELECTRICAL SERVICE
7.5	TON	FERTILIZER TOPDRESSING	16	EA	GENERIC SIGNAL ITEM PROTECTIVE BLACK COATING FOR PEDESTRIAN SIGNAL PEDESTAL
40	MHR	SPECIALIZED HAND MOWING	6	EA	GENERIC SIGNAL ITEM PROTECTIVE BLACK COATING FOR SINGLE MAST ARM ASSEMBLY
75	EA	RESPONSE FOR EROSION CONTROL	2	EA	GENERIC SIGNAL ITEM VIDEO ETHERNET DECODER
20	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	2	EA	GENERIC SIGNAL ITEM VIDEO ETHERNET ENCODER
11,855	LF	SIGNAL CABLE	150	LF	GENERIC SIGNAL ITEM #4 SOLID BARE COPPER GROUNDING CONDUCTOR
73	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	340	LF	GENERIC SIGNAL ITEM 3-WIRE COPPER FEEDER CONDUCTORS
1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	420	LF	GENERIC SIGNAL ITEM 4-WIRE COPPER FEEDER CONDUCTORS
660	LF	MESSENGER CABLE (1/4")	16	CY	GENERIC SIGNAL ITEM FOOTINGS FOR DMS STRUCTURE
1,830	LF	MESSENGER CABLE (3/8")			
590	LF	TRACER WIRE			
10	LF	PAVED TRENCHING (*****)			
80	LF	UNPAVED TRENCHING (*****)			
1,225	LF	UNPAVED TRENCHING (*****)			
285	LF	UNPAVED TRENCHING (*****)			
260	LF	DIRECTIONAL DRILL (*****)			
310	LF	DIRECTIONAL DRILL (*****)			
460	LF	DIRECTIONAL DRILL (*****)			
19	EA	JUNCTION BOX (STANDARD SIZE)			
24	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
11	EA	WOOD POLE			
24	EA	GUY ASSEMBLY			
1	EA	*** RISER WITH ***** (1-1/4", WEATHERHEAD)			
2	EA	1" RISER WITH WEATHERHEAD			
6	EA	2" RISER WITH WEATHERHEAD			
4	EA	2" RISER WITH HEAT SHRINK TUBING			
5,610	LF	INDUCTIVE LOOP SAWCUT	19,526	SF	GROOVING BRIDGE FLOORS
7,485	LF	LEAD-IN CABLE (*****)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+06.00 -L-)
2	EA	SITE SURVEY	Lump Sum	LS	FOAM JOINT SEALS
8	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	79.5	CY	GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE OVERLAY - VERY EARLY STRENGTH
2	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT	323	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
6	EA	RELOCATE CAMERA SENSOR UNIT	2,275	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
1,200	LF	COMMUNICATIONS CABLE (**FIBER) (12)	2,275	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING LATEX MODIFIED CONC OVERLAY - VERY EARLY STRENGTH
320	LF	DROP CABLE	2,275	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
2	EA	SPLICE ENCLOSURE			
5	EA	MODIFY SPLICE ENCLOSURE			
8	EA	INTERCONNECT CENTER			
4	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT			
1	EA	DELINEATOR MARKER			
1,900	LF	REMOVE EXISTING COMMUNICATIONS CABLE			
6	EA	METAL POLE WITH SINGLE MAST ARM			
6	EA	SOIL TEST			

STRUCTURE ITEMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130917 013

CONTRACT ID : C203430

12CR.10361.16

DIV OFFICE SHELBY

LENGTH = 8.100 MI

COUNTY : GASTON

MILLING, RESURFACING & AGGREGATE SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE : JUN 30 2014

US-321 FROM LINCOLN CO LINE TO NORTH OF ROEHLING ST.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
4,771	TON	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW
632	TON	INCIDENTAL STONE BASE
37.31	SMI	SHOULDER RECONSTRUCTION
335,800	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
5,393	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 2")
2,270	SY	INCIDENTAL MILLING
57,442	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
41,356	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
5,196	TON	ASPHALT BINDER FOR PLANT MIX
10,586	TON	PATCHING EXISTING PAVEMENT
171,072	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
330	HR	LAW ENFORCEMENT
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
1,757.5	SF	GENERIC TRAFFIC CONTROL ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
29	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
220,653	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
9,800	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
2,990	EA	SNOWPLOWABLE PAVEMENT MARKERS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 014

CONTRACT ID : C203385 45829.3.FS1

DIV OFFICE ASHEVILLE

LENGTH = 5.050 MI

COUNTY : BUNCOMBE

BRIDGE PRESERVATION, MILLING & RESURFACING.

DBE GOAL 3.0% COMPLETION DATE : OCT 15 2014

I-40 FROM MP-50 TO MP-55.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
12	TON	ASPHALT BINDER FOR PLANT MIX
339	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
6,520	TON	ULTRA-THIN BONDED WEARING COURSE
170,807	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT
200	TON	GENERIC PAVING ITEM AGGREGATE BASE COURSE FOR BACKFILL
7,948	SY	GENERIC PAVING ITEM 8" CONTINUOUSLY REINFORCED CONC REPAIR
158,950	SY	GENERIC PAVING ITEM FINE MILLING
591.5	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
200	HR	LAW ENFORCEMENT
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
26	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
246,582	LF	PAINT PAVEMENT MARKING LINES (6")
123,295	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
9,745	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
1,192	EA	SNOWPLOWABLE PAVEMENT MARKERS
124,332	SF	GROOVING BRIDGE FLOORS
145	SY	CLASS II, SURFACE PREPARATION
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM SYNTHETIC RUBBER EXPANSION JOINT SEAL
Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMETRIC MIXER
818	CY	GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE OVER- LAY VERY EARLY STRENGTH
171	CF	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR
1,425	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
14,702	SY	GENERIC STRUCTURE ITEM HYDRODEMOLITION OF BRIDGE DECK
14,702	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING OF LATEX MOD CONC OVERLAY VERY EARLY STRENGTH
14,702	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 015

CONTRACT ID : C203388 46144.3.FS1

DIV OFFICE ASHEVILLE

LENGTH = 5.020 MI

COUNTY : MCDOWELL

GRADING, DRAINAGE, PAVING, AND CONCRETE MEDIAN BARRIER.

DBE GOAL 5.0% COMPLETION DATE : OCT 30 2014

US-221 (MARION BYPASS) FROM US-70 TO NC-226.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
3,090	CY	UNCLASSIFIED EXCAVATION
1,980	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
119	TON	ASPHALT BINDER FOR PLANT MIX
16	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
48	EA	GENERIC DRAINAGE ITEM LOCKDOWN MANHOLE FRAME AND COVER
48	EA	GENERIC DRAINAGE ITEM OFFSET DROP INLET
50	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
26,000	LF	CONCRETE BARRIER, TYPE ***** (IV)
400	LF	GENERIC PAVING ITEM CONCRETE BARRIER, TYPE IV ON BRIDGE DECK
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350
16	EA	GENERIC EROSION CONTROL ITEM GEOTEXTILE INSERT INLET PROTECTION DEVICE
1,417	SF	WORK ZONE SIGNS (STATIONARY)
873	SF	WORK ZONE SIGNS (PORTABLE)
4	EA	FLASHING ARROW BOARD
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
875	EA	DRUMS
4	EA	TMA
50	HR	LAW ENFORCEMENT
53,000	LF	PAINT PAVEMENT MARKING LINES (4")

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130917 016

CONTRACT ID : C203200 46292.3.FS1

DIV OFFICE ASHEVILLE

LENGTH = 0.492 MI

COUNTY : BUNCOMBE, HENDERSON

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : NOV 28 2016

I-26 AND NC-280 INTERCHANGE IN ASHEVILLE.

ROADWAY ITEMS					
			78	EA	MASONRY DRAINAGE STRUCTURES
			60	LF	MASONRY DRAINAGE STRUCTURES
			1	EA	FRAME WITH TWO GRATES, STD 840.**** (840.33)
			7	EA	FRAME WITH TWO GRATES, STD 840.16
			5	EA	FRAME WITH TWO GRATES, STD 840.20
			3	EA	FRAME WITH TWO GRATES, STD 840.22
			3	EA	FRAME WITH TWO GRATES, STD 840.24
			5	EA	FRAME WITH TWO GRATES, STD 840.29
			2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			6	EA	FRAME WITH COVER, STD 840.54
			8	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
			7	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
			3	EA	GENERIC DRAINAGE ITEM BICYCLE SAFE STEEL FRAME AND GRATE
			320	LF	***X*** CONCRETE CURB (8" X 12")
			5,870	LF	2'-6" CONCRETE CURB & GUTTER
			320	LF	SHOULDER BERM GUTTER
			780	LF	CONCRETE EXPRESSWAY GUTTER
			2,640	SY	4" CONCRETE SIDEWALK
			25	EA	CONCRETE CURB RAMP
			70	SY	6" CONCRETE DRIVEWAY
			2,690	SY	4" CONCRETE ISLAND COVER
			3,630	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			145	LF	CONCRETE BARRIER, TYPE ***** (III)
			920	LF	GENERIC PAVING ITEM DDI BARRIER
			2,510	LF	GENERIC PAVING ITEM 18" CONCRETE CURB & GUTTER
			3	EA	ADJUSTMENT OF CATCH BASINS
			1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
			1,312.5	LF	STEEL BM GUARDRAIL
			63.47	LF	STEEL BM GUARDRAIL, SHOP CURVED
			5	EA	ADDITIONAL GUARDRAIL POSTS
			1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350, TL-2)
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77 SHOP CURVED)
			5	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			6	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
			5	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			491	LF	REMOVE EXISTING GUARDRAIL
			1,090	LF	WOVEN WIRE FENCE, 47" FABRIC
			61	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			34	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			30	TON	RIP RAP, CLASS B
			1,205	SY	GEOTEXTILE FOR DRAINAGE
			3	CY	REINFORCED CONCRETE SIGN FOUN- DATIONS
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			
1,300	CY	UNDERCUT EXCAVATION			
30	CY	DRAINAGE DITCH EXCAVATION			
2,000	CY	SELECT GRANULAR MATERIAL			
2,980	SY	GEOTEXTILE FOR SOIL STABILIZA- TION			
580	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES			
1,800	SY	FOUNDATION CONDITIONING GEO- TEXTILE			
156	LF	*** SIDE DRAIN PIPE (30")			
648	LF	15" SIDE DRAIN PIPE			
72	LF	18" SIDE DRAIN PIPE			
8	EA	*** SIDE DRAIN PIPE ELBOWS (15")			
72	LF	15" RC PIPE CULVERTS, CLASS III			
96	LF	18" RC PIPE CULVERTS, CLASS III			
32	LF	24" RC PIPE CULVERTS, CLASS III			
2,416	LF	15" RC PIPE CULVERTS, CLASS IV			
538	LF	18" RC PIPE CULVERTS, CLASS IV			
280	LF	24" RC PIPE CULVERTS, CLASS IV			
42	LF	30" RC PIPE CULVERTS, CLASS IV			
440	LF	15" CS PIPE CULVERTS, 0.064" THICK			
284	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (24", 0.500")			
284	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")			
20	LF	GENERIC PIPE ITEM 24" WELDED STEEL PIPE, 0.500" THICK, GRADE B, OPEN CUT			
1,624	LF	PIPE REMOVAL			
1	EA	PIPE CLEAN-OUT			
440	CY	SHALLOW UNDERCUT			
832	TON	CLASS IV SUBGRADE STABILIZA- TION			
500	TON	STABILIZER AGGREGATE			
100	TON	INCIDENTAL STONE BASE			
2,930	SY	INCIDENTAL MILLING			
3,470	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
2,670	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
2,500	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B			
3,150	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C			
3,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
4,530	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
990	TON	ASPHALT BINDER FOR PLANT MIX			
50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
37	EA	RIGHT OF WAY MARKERS			
336	CY	SUBDRAIN EXCAVATION			
252	CY	SUBDRAIN FINE AGGREGATE			
1,500	LF	6" PERFORATED SUBDRAIN PIPE			
3	EA	SUBDRAIN PIPE OUTLET			
18	LF	6" OUTLET PIPE			
2	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE			
2.49	CY	PIPE COLLARS			
0.07	CY	PIPE PLUGS			

			100	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS	1	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
45	CY	OVERHEAD FOOTING	380	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
2,516	LB	SUPPORTS, BREAKAWAY STEEL BEAM	465	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
708	LB	SUPPORTS, SIMPLE STEEL BEAM	255	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")
1,123	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	485	LF	** #8 W/G FEEDER CIRCUIT (2)
6	EA	SUPPORTS, BARRIER (SMALL)	330	LF	** #6 W/G FEEDER CIRCUIT (2)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (22+00 -L- NBL)	7,225	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (29+70 -L- NBL)	1,230	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (33+40 -L- SBL)	13	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
4	EA	SIGN ERECTION, TYPE D	4	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)
74	EA	SIGN ERECTION, TYPE E	Lump Sum	LS	PORTABLE LIGHTING
8	EA	SIGN ERECTION, TYPE F	24	EA	GENERIC LIGHTING ITEM HIGH MOUNT LUMINAIRE - LED
7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)	25	EA	GENERIC LIGHTING ITEM ROADWAY LIGHT STANDARD LUMINAIRE - LED
3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	45	LF	6" WATER LINE
8	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)	740	LF	8" WATER LINE
16	EA	DISPOSAL OF SUPPORT, STEEL BEAM	70	LF	12" WATER LINE
44	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	60	LF	24" WATER LINE
304	SF	WORK ZONE SIGNS (STATIONARY)	1	EA	8" TAPPING VALVE
705	SF	WORK ZONE SIGNS (PORTABLE)	1	EA	12" TAPPING VALVE
134	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	1	EA	*** WATER METER (1")
4	EA	FLASHING ARROW BOARD	1	EA	1-1/2" WATER METER
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN	1	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (1-1/2")
40	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	1	EA	FIRE HYDRANT
300	EA	DRUMS	150	LF	ABANDON 12" UTILITY PIPE
514	LF	BARRICADES (TYPE III)	3	EA	GENERIC UTILITY ITEM ROTATE TOP FOR EXISTING MANHOLE (CONCENTRIC TOP)
360	DAY	FLAGGER	3	EA	GENERIC UTILITY ITEM ROTATE TOP FOR EXISTING MANHOLE (ECCENTRIC TOP)
1	EA	TEMPORARY CRASH CUSHIONS	6,350	LF	TEMPORARY SILT FENCE
1	EA	RESET TEMPORARY CRASH CUSHION	600	TON	STONE FOR EROSION CONTROL, CLASS A
1,000	LF	PORTABLE CONCRETE BARRIER	525	TON	STONE FOR EROSION CONTROL, CLASS B
450	LF	RESET PORTABLE CONCRETE BARRIER	1,015	TON	SEDIMENT CONTROL STONE
480	HR	LAW ENFORCEMENT	3	ACR	TEMPORARY MULCHING
170	EA	SKINNY DRUM	100	LB	SEED FOR TEMPORARY SEEDING
478	EA	TEMPORARY RAISED PAVEMENT MARKERS	1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
192	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	275	LF	TEMPORARY SLOPE DRAINS
1,109	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	100	LF	SAFETY FENCE
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	1,720	CY	SILT EXCAVATION
76	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	4,500	SY	MATTING FOR EROSION CONTROL
43,516	LF	PAINT PAVEMENT MARKING LINES (4")	25	SY	COIR FIBER MAT
432	LF	PAINT PAVEMENT MARKING LINES (24")	1,250	SY	PERMANENT SOIL REINFORCEMENT MAT
8	EA	PAINT PAVEMENT MARKING CHARACTER	3,700	LF	1/4" HARDWARE CLOTH
114	EA	PAINT PAVEMENT MARKING SYMBOL	350	LF	COIR FIBER WATTLE
21,925	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)	115	LB	POLYACRYLAMIDE (PAM)
3,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	400	LF	COIR FIBER BAFFLE
22	EA	PERMANENT RAISED PAVEMENT MARKERS	1	EA	*** SKIMMER (2")
456	EA	SNOWPLOWABLE PAVEMENT MARKERS	3	ACR	SEEDING & MULCHING
6	EA	*** HIGH MOUNT STANDARD (60')	1.5	ACR	MOWING
1	EA	PORTABLE DRIVE UNIT	50	LB	SEED FOR REPAIR SEEDING
23.4	CY	HIGH MOUNT FOUNDATIONS	0.25	TON	FERTILIZER FOR REPAIR SEEDING
25	EA	LIGHT STANDARD, TYPE MTLT ***** (35' SA, 15' ARM)	75	LB	SEED FOR SUPPLEMENTAL SEEDING
20	EA	STANDARD FOUNDATION ***** (TYPE R1)	2	TON	FERTILIZER TOPDRESSING
5	EA	STANDARD FOUNDATION ***** (TYPE R2)	10	MHR	SPECIALIZED HAND MOWING
1	EA	ELECTRIC SERVICE POLE ***** (30' CLASS 4)	25	EA	RESPONSE FOR EROSION CONTROL
			12	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
			12,420	LF	SIGNAL CABLE
			86	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)

6	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
3,215	LF	MESSENGER CABLE (3/8")
4,580	LF	UNPAVED TRENCHING (*****) (1, 2")
55	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
195	LF	DIRECTIONAL DRILL (*****) (2, 2")
90	LF	DIRECTIONAL DRILL (*****) (3, 2")
110	LF	DIRECTIONAL DRILL (*****) (5, 2")
90	LF	DIRECTIONAL DRILL (*****) (7, 2")
21	EA	JUNCTION BOX (STANDARD SIZE)
16	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
18	EA	WOOD POLE
36	EA	GUY ASSEMBLY
3	EA	1" RISER WITH WEATHERHEAD
7	EA	2" RISER WITH WEATHERHEAD
4,440	LF	INDUCTIVE LOOP SAWCUT
11,725	LF	LEAD-IN CABLE (*****) (14-2)
4	EA	SITE SURVEY
11	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
4	EA	EXTERNAL LOOP EMULATOR PRO- CESSING UNIT
6	EA	RELOCATE CAMERA SENSOR UNIT
8	EA	MODIFY RADIO INSTALLATION
4	EA	METAL STRAIN SIGNAL POLE
6	EA	METAL POLE WITH SINGLE MAST ARM
10	EA	SOIL TEST
60	CY	DRILLED PIER FOUNDATION
6	EA	MAST ARM WITH METAL POLE DE- SIGN
31	EA	SIGN FOR SIGNALS
16	EA	TYPE II PEDESTAL WITH FOUND- ATION
3	EA	SIGNAL CABINET FOUNDATION
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
27	EA	DETECTOR CARD (TYPE 2070L)
3	EA	CABINET BASE EXTENDER
4	EA	METAL POLE FOUNDATION REMOVAL
8	EA	METAL POLE REMOVAL
4	EA	GENERIC SIGNAL ITEM PROTECTIVE BLACK COATING FOR METAL STRAIN POLE ASSEMBLY
16	EA	GENERIC SIGNAL ITEM PROTECTIVE BLACK COATING FOR PEDESTRIAN SIGNAL PEDESTAL
6	EA	GENERIC SIGNAL ITEM PROTECTIVE BLACK COATING FOR SINGLE MAST ARM ASSEMBLY

WALL ITEMS

1,359	SF	PRECAST GRAVITY RETAINING WALLS
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STRUCTURE ITEMS

668.63	LF	CONCRETE BARRIER RAIL
Lump Sum	LS	GENERIC STRUCTURE ITEM EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM FOAM JOINT SEALS
186	SY	GENERIC STRUCTURE ITEM HYDRODEMOLITION OF BRIDGE DECK
186	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK