



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

March 19, 2013

MEMORANDUM TO: All Prequalified Contractors

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

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

SUBJECT: Upgrade to Expedite 5.11a

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

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

**Bid Express**

<http://www.bidx.com>

**NC Department of Transportation**

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

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

TELEPHONE: 919-707-6900  
FAX: 919-250-4119  
WEBSITE: [www.ncdot.gov](http://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 AUGUST 20, 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 JULY 23, 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.

<b><u>DIV NO.</u></b>	<b><u>DIVISION ENGINEER</u></b>	<b><u>LOCATION</u></b>	<b><u>TOWN</u></b>	<b><u>TELEPHONE</u></b>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
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) 334-3192
00008	Richard W Hancock, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	Louis L Mitchell, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Michael L Holder, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

**Bid Letting Number** L130820

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C203416	1CR.20081.63	ETC.BERTIE, HERTFORD, NORTHAMPTON	11.810 MI	WIDENING, MILLING, AND RESURFACING.
002	C203404	41665.4B	CARTERET	0.000 MI	BRIDGE REHABILITATION.
003	C203421	2CR.10521.6	JONES	11.791 MI	WIDENING AND RESURFACING.
004	C203204	38458.3.FD1	WAKE	0.095 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
*005	C203129	52500.3.STR01T4	ALAMANCE	2.080 MI	GRADING, DRAINAGE, PAVING, PASSING SIDE & MAINLINE REALIGN.
006	C203380	41665.1A	MOORE	0.265 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
007	C203420	8CR.10191.21	ETC.CHATHAM, LEE	25.436 MI	WIDENING, MILLING, RESURFACING, SHLDR CONST AND RECONSTR.
008	C203419	8CR.10621.20	ETC.MONTGOMERY	8.640 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
009	C203418	8CR.20471.20	ETC.HOKE, SCOTLAND	11.074 MI	RESURFACING AND SHOULDER RECONSTRUCTION.
010	C203205	38452.3.FS1	STOKES	0.577 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
011	C203417	11CR.10861.21	ETC.SURRY, YADKIN	17.630 MI	MILLING, MILLED RUMBLE STRIPS, RESURFACING, & SHLDR RECONST.
012	C203308	38507.3.FD1	CLAY	0.075 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.

**Bid Letting Number** L130917

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
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.

\* MANDATORY PRE-BID CONFERENCE ON TUESDAY, AUG 6TH FROM 2PM TO 3:30PM AT NCDOT HWY DIV 7 DISTRICT 1 OFFICE  
127 EAST CRESCENT SQUARE DRIVE GRAHAM, NC 27253 (336)570-6833 - THERE WILL BE AN OPTIONAL SITE VISIT TO FOLLOW  
FROM 3:30PM TO 5:00PM

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

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 001

CONTRACT ID : C203416 1CR.20081.63

DIV OFFICE EDENTON

LENGTH = 11.810 MI

COUNTY : BERTIE, HERTFORD, NORTHAMPTON

WIDENING, MILLING, AND RESURFACING.

MBE GOAL 0.0% WBE 0.0% COMPLETION DATE : MAY 15 2014

14 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
40	TON	INCIDENTAL STONE BASE
14,948	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
941	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
3,627	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
8,091	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
691	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
848	TON	ASPHALT BINDER FOR PLANT MIX
40	SY	6" CONCRETE DRIVEWAY
1,322.72	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
375,396	LF	PAINT PAVEMENT MARKING LINES (4")

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 002

CONTRACT ID : C203404 41665.4B

DIV OFFICE GREENVILLE

LENGTH = 0.000 MI

COUNTY : CARTERET

BRIDGE REHABILITATION.

MBE GOAL 1.0% WBE 1.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #35 ON US-70 ACROSS WARD CREEK &amp; BRIDGE #39 ON US-70 ACROSS OYSTER CREEK.

ROADWAY ITEMS		Lump Sum	LS	DESCRIPTION	
				GENERIC STRUCTURE ITEM TEMPORARY METAL BRIDGE RAIL AT BRIDGE #39	
			61	LF	GENERIC STRUCTURE ITEM CONCRETE PILE JACKETS
			10	EA	GENERIC STRUCTURE ITEM SPECIAL REMOVAL & DELIVERY OF CORED SLAB UNITS
			17	EA	GENERIC STRUCTURE ITEM STABILIZATION OF EXISTING SPAN DURING CONSTRUCTION
Lump Sum	LS			MOBILIZATION	
1,533	SY			INCIDENTAL MILLING	
70	TON			ASPHALT CONC BASE COURSE, TYPE B25.0B	
1,089	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
49	TON			ASPHALT BINDER FOR PLANT MIX	
1,277	LF			STEEL BM GUARDRAIL	
8	EA			GUARDRAIL ANCHOR UNITS, TYPE III	
8	EA			GUARDRAIL ANCHOR UNITS, TYPE 350	
1,827	LF			REMOVE EXISTING GUARDRAIL	
296	SF			WORK ZONE SIGNS (STATIONARY)	
40	SF			WORK ZONE SIGNS (BARRICADE MOUNTED)	
4	EA			PORTABLE CHANGEABLE MESSAGE SIGN	
60	EA			DRUMS	
48	LF			BARRICADES (TYPE III)	
700	HR			FLAGGER	
2	EA			GENERIC TRAFFIC CONTROL ITEM PORTABLE TRAFFIC SIGNAL SYSTEM (PRE-TIMED)	
24	EA			GENERIC TRAFFIC CONTROL ITEM TEMPORARY RUMBLE STRIPS	
206	EA			TEMPORARY RAISED PAVEMENT MARKERS	
1,688	LF			THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	
1,827	LF			THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	
1,040	LF			THERMOPLASTIC PAVEMENT MARKING LINES (4", 240 MILS)	
10,376	LF			PAINT PAVEMENT MARKING LINES (4")	
96	LF			PAINT PAVEMENT MARKING LINES (24")	
8,910	LF			REMOVAL OF PAVEMENT MARKING LINES (4")	
48	LF			REMOVAL OF PAVEMENT MARKING LINES (24")	
17	EA			PERMANENT RAISED PAVEMENT MARKERS	
2.3	CY			CLASS A CONCRETE (BRIDGE)	
293	LB			REINFORCING STEEL (BRIDGE)	
1,258	LB			EPOXY COATED REINFORCING STEEL (BRIDGE)	
1,414	LF			TWO BAR METAL RAIL	
1,444	LF			1'-***"X ***** CONCRETE PARA- PET (1'-2" X 2'-10")	
Lump Sum	LS			ELASTOMERIC BEARINGS	
13	CF			CONCRETE REPAIRS	
494	LF			EPOXY RESIN INJECTION	
10,080	LF			3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS	
Lump Sum	LS			GENERIC STRUCTURE ITEM CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMPORARY BRIDGING AT BRIDGE #35	
Lump Sum	LS			GENERIC STRUCTURE ITEM CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMPORARY BRIDGING AT BRIDGE #39	
Lump Sum	LS			GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE AT BRIDGE #35	
Lump Sum	LS			GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE AT BRIDGE #39	
Lump Sum	LS			GENERIC STRUCTURE ITEM TEMPORARY METAL BRIDGE RAIL AT BRIDGE #35	

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 003

CONTRACT ID : C203421 2CR.10521.6

DIV OFFICE GREENVILLE

LENGTH = 11.791 MI

COUNTY : JONES

WIDENING AND RESURFACING.

MBE GOAL 1.0% WBE 2.0% COMPLETION DATE : NOV 01 2014

NC-41 FROM RICHLANDS ROAD IN COMFORT TO DUPLIN CO LINE.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
14,063	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
29,752	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
17,159	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,076	TON	ASPHALT BINDER FOR PLANT MIX
82	SY	6" CONCRETE DRIVEWAY
1,320.59	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
47,008	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
180	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
171,520	LF	PAINT PAVEMENT MARKING LINES (4")
180	LF	PAINT PAVEMENT MARKING LINES (24")
12	EA	PAINT PAVEMENT MARKING CHARACTER
692	EA	SNOWPLOWABLE PAVEMENT MARKERS
500	LF	TEMPORARY SILT FENCE
300	LF	WATTLE
100	LB	POLYACRYLAMIDE (PAM)



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130820 004

CONTRACT ID : C203204 38458.3.FD1

DIV OFFICE DURHAM

LENGTH = 0.095 MI

COUNTY : WAKE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #225 OVER MARK'S CREEK ON SR-2507 (TURNIPSEED RD).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (16+04.50-L-)			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING			
300	CY	UNDERCUT EXCAVATION			
300	CY	SELECT GRANULAR MATERIAL			
400	SY	GEOTEXTILE FOR SOIL STABILIZATION			
230	TON	ROCK EMBANKMENTS			
170	SY	GEOTEXTILE FOR ROCK EMBANKMENTS			
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
50	SY	FOUNDATION CONDITIONING GEOTEXTILE			
88	LF	15" DRAINAGE PIPE			
40	LF	18" SIDE DRAIN PIPE			
180	TON	#57 STONE			
35	TON	AGGREGATE BASE COURSE			
100	TON	INCIDENTAL STONE BASE			
310	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
230	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
390	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
50	TON	ASPHALT BINDER FOR PLANT MIX			
3	EA	MASONRY DRAINAGE STRUCTURES			
3	EA	FRAME WITH TWO GRATES, STD 840.29			
20	LF	SHOULDER BERM GUTTER			
50	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
65	TON	RIP RAP, CLASS A			
1,025	SY	GEOTEXTILE FOR DRAINAGE			
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			
61	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
2	EA	SIGN ERECTION, TYPE D			
5	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
477	SF	WORK ZONE SIGNS (STATIONARY)			
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
28	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)			
6	EA	DRUMS			
96	LF	BARRICADES (TYPE III)			
2,200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
2,200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
600	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
14	EA	PERMANENT RAISED PAVEMENT MARKERS			
825	LF	TEMPORARY SILT FENCE			
225	TON	STONE FOR EROSION CONTROL, CLASS A			
40	TON	STONE FOR EROSION CONTROL, CLASS B			
180	TON	SEDIMENT CONTROL STONE			
0.5	ACR	TEMPORARY MULCHING			
50	LB	SEED FOR TEMPORARY SEEDING			
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
400	LF	SAFETY FENCE			

100	CY	SILT EXCAVATION			
1,500	SY	MATTING FOR EROSION CONTROL			
310	SY	COIR FIBER MAT			
250	SY	PERMANENT SOIL REINFORCEMENT MAT			
200	LF	1/4" HARDWARE CLOTH			
75	SY	FLOATING TURBIDITY CURTAIN			
6	EA	SPECIAL STILLING BASINS			
210	LF	WATTLE			
30	LF	COIR FIBER WATTLE			
65	LB	POLYACRYLAMIDE (PAM)			
45	LF	COIR FIBER BAFFLE			
1	EA	*** SKIMMER (1-1/2")			
0.5	ACR	SEEDING & MULCHING			
0.25	ACR	MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
50	LB	SEED FOR SUPPLEMENTAL SEEDING			
0.5	TON	FERTILIZER TOPDRESSING			
10	MHR	SPECIALIZED HAND MOWING			
18	EA	RESPONSE FOR EROSION CONTROL			
0.1	ACR	REFORESTATION			

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+04.50 -L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+04.50 -L-)			
86.76	LF	***,***" DIA DRILLED PIERS (3'-0")			
59.76	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER			
1	EA	SID INSPECTIONS			
1	EA	SPT TESTING			
1	EA	CSL TESTING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+04.50 -L-)			
71.6	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+04.50 -L-)			
15,057	LB	REINFORCING STEEL (BRIDGE)			
1,493	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
295	LF	HP12X53 STEEL PILES			
233.95	LF	TWO BAR METAL RAIL			
250.58	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 3'-0")			
350	TON	RIP RAP CLASS II (2'-0" THICK)			
389	SY	GEOTEXTILE FOR DRAINAGE			
Lump Sum	LS	ELASTOMERIC BEARINGS			
1,375	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130820 005

CONTRACT ID : C203129 52500.3.STR01T4

DIV OFFICE GREENSBORO

LENGTH = 2.080 MI

COUNTY : ALAMANCE

GRADING, DRAINAGE, PAVING, PASSING SIDE & MAINLINE REALIGN.

DBE GOAL 10.0% COMPLETION DATE : MAY 15 2017

HAW RIVER FROM NS/NCRR MP-H-23.4 WEST OF SR-1719 CROSSING TO MP-H-25.5 AT NC-49 UNDERPASS.

ROADWAY ITEMS

				600 TON	INCIDENTAL STONE BASE
				110 CY	SHOULDER BORROW
				100.45 GAL	PRIME COAT
				650 SY	INCIDENTAL MILLING
				1,040 TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
				990 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
				900 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
				150 TON	ASPHALT BINDER FOR PLANT MIX
				42 EA	RIGHT OF WAY MARKERS
				67.9 CY	ENDWALLS
				28 CY	REINFORCED ENDWALLS
				190 CY	FLOWABLE FILL
				10 EA	MASONRY DRAINAGE STRUCTURES
				0.38 LF	MASONRY DRAINAGE STRUCTURES
				2 EA	FRAME WITH TWO GRATES, STD 840.16
				1 EA	FRAME WITH TWO GRATES, STD 840.22
				1 EA	FRAME WITH TWO GRATES, STD 840.24
				2 EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
				2 EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
				2 EA	FRAME WITH COVER, STD 840.54
				2 EA	GENERIC DRAINAGE ITEM PIPE COLLARS UNDER RAILROAD
				300 LF	2'-6" CONCRETE CURB & GUTTER
				60 SY	6" CONCRETE DRIVEWAY
				130 SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
				25 LF	STEEL BM GUARDRAIL
				2 EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
				4,830 LF	WOVEN WIRE FENCE, 47" FABRIC
				300 EA	4" TIMBER FENCE POSTS, ***** LONG (8')
				100 EA	5" TIMBER FENCE POSTS, ***** LONG (8')
				120 LF	GENERIC FENCING ITEM RESET SPLIT RAIL FENCE
				2 EA	GENERIC FENCING ITEM RIGHT OF WAY GATE
				540 TON	RIP RAP, CLASS I
				166 TON	RIP RAP, CLASS B
				1,340 SY	GEOTEXTILE FOR DRAINAGE
				29,200 TON	GENERIC TRACKWORK ITEM SUB-BALLAST
				131.25 SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
				252 LF	SUPPORTS, 3-LB STEEL U-CHANNEL
				18 EA	SIGN ERECTION, TYPE E
				7 EA	DISPOSAL OF SUPPORT, U-CHANNEL
				1 EA	GENERIC SIGNING ITEM REMOVE & RESET WOOD SIGN POST
				654 SF	WORK ZONE SIGNS (STATIONARY)
				96 SF	WORK ZONE SIGNS (PORTABLE)
				188 SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
				50 EA	CONES
				112 LF	BARRICADES (TYPE III)
				20 HR	FLAGGER
				48 EA	TUBULAR MARKERS (FIXED)
				9,205 LF	PAINT PAVEMENT MARKING LINES (4")
				172 LF	PAINT PAVEMENT MARKING LINES (16")
				336 LF	PAINT PAVEMENT MARKING LINES (24")
				8 EA	PAINT PAVEMENT MARKING CHARACTER

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)
3	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
203,340	CY	UNCLASSIFIED EXCAVATION
200	CY	UNDERCUT EXCAVATION
290	CY	DRAINAGE DITCH EXCAVATION
340	LF	BERM DITCH CONSTRUCTION
3,140	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
10	HR	PROOF ROLLING
200	CY	SELECT GRANULAR MATERIAL
500	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
330	SY	ROCK PLATING
200	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLE- UM CONTAMINATED SOIL
150	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
450	SY	FOUNDATION CONDITIONING GEO- TEXTILE
176	LF	15" DRAINAGE PIPE
680	LF	18" DRAINAGE PIPE
72	LF	24" DRAINAGE PIPE
16	LF	48" DRAINAGE PIPE
32	LF	15" RC PIPE CULVERTS, CLASS IV
72	LF	18" RC PIPE CULVERTS, CLASS IV
204	LF	24" RC PIPE CULVERTS, CLASS IV
387	LF	GENERIC PIPE ITEM 36" BCCM PIPE CULVERTS, 0.079" THICK
30	LF	GENERIC PIPE ITEM 36" WELDED STEEL PIPE, 0.532" THICK, GRADE B (OPEN CUT)
46	LF	GENERIC PIPE ITEM 36" WELDED STEEL PIPE, 0.532" THICK, GRADE B IN SOIL
46	LF	GENERIC PIPE ITEM 36" WELDED STEEL PIPE, 0.532" THICK, GRADE B NOT IN SOIL
14	LF	GENERIC PIPE ITEM 48" WELDED STEEL PIPE, 0.688" THICK, GRADE B (OPEN CUT)
23	LF	GENERIC PIPE ITEM 48" WELDED STEEL PIPE, 0.688" THICK, GRADE B IN SOIL
23	LF	GENERIC PIPE ITEM 48" WELDED STEEL PIPE, 0.688" THICK, GRADE B NOT IN SOIL
80	LF	GENERIC PIPE ITEM 54" WELDED STEEL PIPE, 0.781" THICK, GRADE B (OPEN CUT)
23	LF	GENERIC PIPE ITEM 54" WELDED STEEL PIPE, 0.781" THICK, GRADE B IN SOIL
23	LF	GENERIC PIPE ITEM 54" WELDED STEEL PIPE, 0.781" THICK, GRADE B NOT IN SOIL
160	LF	GENERIC PIPE ITEM 60" WELDED STEEL PIPE, 0.844" THICK, GRADE B (OPEN CUT)
52	LF	GENERIC PIPE ITEM 60" WELDED STEEL PIPE, 0.844" THICK, GRADE B IN SOIL
52	LF	GENERIC PIPE ITEM 60" WELDED STEEL PIPE, 0.844" THICK, GRADE B NOT IN SOIL
520	LF	PIPE REMOVAL
Lump Sum	LS	FINE GRADING
100	TON	LIME FOR LIME TREATED SOIL
100	TON	STABILIZER AGGREGATE
287	TON	AGGREGATE BASE COURSE
1,000	SY	SOIL CEMENT BASE
100	TON	PORTLAND CEMENT FOR SOIL CE- MENT BASE
100	TON	AGGREGATE FOR SOIL CEMENT BASE

14	EA	PERMANENT RAISED PAVEMENT MARKERS
10	LF	6" WATER LINE
1,516	LF	8" WATER LINE
530	LF	12" WATER LINE
1	EA	6" VALVE
4	EA	8" VALVE
2	EA	12" VALVE
5	EA	3/4" WATER METER
1	EA	FIRE HYDRANT
2,237	LF	8" SANITARY GRAVITY SEWER
3	EA	SANITARY SEWER CLEAN-OUT
14	EA	4' DIA UTILITY MANHOLE
3	EA	6' DIA UTILITY MANHOLE
38.3	LF	UTILITY MANHOLE WALL, 4' DIA
31.4	LF	UTILITY MANHOLE WALL, 6' DIA
225	LF	ABANDON 6" UTILITY PIPE
2,122	LF	ABANDON 8" UTILITY PIPE
480	LF	ABANDON 12" UTILITY PIPE
5	EA	REMOVE WATER METER
2	EA	REMOVE FIRE HYDRANT
8	EA	ABANDON UTILITY MANHOLE
660	LF	20" ENCASEMENT PIPE
140	LF	24" ENCASEMENT PIPE
130	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL
130	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL
70	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL
70	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL
110	LF	GENERIC UTILITY ITEM 20" SPLIT ENCASEMENT
12,500	LF	TEMPORARY SILT FENCE
320	TON	STONE FOR EROSION CONTROL, CLASS A
2,400	TON	STONE FOR EROSION CONTROL, CLASS B
1,000	TON	SEDIMENT CONTROL STONE
100	ACR	TEMPORARY MULCHING
2,800	LB	SEED FOR TEMPORARY SEEDING
12	TON	FERTILIZER FOR TEMPORARY SEED- ING
2,800	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
8,700	CY	SILT EXCAVATION
75,000	SY	MATTING FOR EROSION CONTROL
400	SY	COIR FIBER MAT
1,070	LF	1/4" HARDWARE CLOTH
5	EA	SPECIAL STILLING BASINS
400	LF	COIR FIBER WATTLE
325	LB	POLYACRYLAMIDE (PAM)
1,700	LF	COIR FIBER BAFFLE
13	EA	*** SKIMMER (1-1/2")
1	EA	*** SKIMMER (2-1/2")
75	ACR	SEEDING & MULCHING
69	ACR	MOWING
1,150	LB	SEED FOR REPAIR SEEDING
3	TON	FERTILIZER FOR REPAIR SEEDING
1,775	LB	SEED FOR SUPPLEMENTAL SEEDING
53	TON	FERTILIZER TOPDRESSING
110	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
100	EA	RESPONSE FOR EROSION CONTROL
9	ACR	REFORESTATION
10	EA	GENERIC EROSION CONTROL ITEM SUPPLEMENTAL RESPONSE FOR EROSION CONTROL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 006

CONTRACT ID : C203380 41665.1A

DIV OFFICE ABERDEEN

LENGTH = 0.265 MI

COUNTY : MOORE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 2.0% WBE 6.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #55 ON NC-24/27 OVER US-1 BUS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+59.66)
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
Lump Sum	LS	GRADING
5,500	CY	BORROW EXCAVATION
705	SF	TEMPORARY SHORING
112	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
340	SY	FOUNDATION CONDITIONING GEO- TEXTILE
56	LF	15" DRAINAGE PIPE
48	LF	18" DRAINAGE PIPE
2	EA	*** DRAINAGE PIPE ELBOWS (15")
20	LF	15" SIDE DRAIN PIPE
32	LF	18" SIDE DRAIN PIPE
98	LF	18" RC PIPE CULVERTS, CLASS III
12	LF	24" RC PIPE CULVERTS, CLASS III
12	LF	30" RC PIPE CULVERTS, CLASS III
328	LF	15" RC PIPE CULVERTS, CLASS IV
348	LF	18" RC PIPE CULVERTS, CLASS IV
50	TON	INCIDENTAL STONE BASE
250	SY	INCIDENTAL MILLING
710	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
670	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
1,040	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
130	TON	ASPHALT BINDER FOR PLANT MIX
2.3	CY	ENDWALLS
1,209	CY	PIPE COLLARS
7	EA	MASONRY DRAINAGE STRUCTURES
1.1	LF	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.24
1	EA	FRAME WITH TWO GRATES, STD 840.29
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
320	LF	***X *** CONCRETE CURB (8" X 6")
620	LF	2'-6" CONCRETE CURB & GUTTER
15	LF	SHOULDER BERM GUTTER
80	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
825	LF	STEEL BM GUARDRAIL
100	LF	STEEL BM GUARDRAIL, SHOP CURVED
30	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
3	EA	GUARDRAIL ANCHOR UNITS, TYPE III
5	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
15	TON	RIP RAP, CLASS B
190	SY	GEOTEXTILE FOR DRAINAGE
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
709	SF	WORK ZONE SIGNS (STATIONARY)
144	SF	WORK ZONE SIGNS (PORTABLE)

255	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
60	EA	DRUMS
58	EA	CONES
152	LF	BARRICADES (TYPE III)
60	DAY	FLAGGER
4	EA	TEMPORARY CRASH CUSHIONS
4	EA	RESET TEMPORARY CRASH CUSHION
512	LF	PORTABLE CONCRETE BARRIER
512	LF	RESET PORTABLE CONCRETE BAR- RIER
6,800	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
6,800	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
6	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
606	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
10,520	LF	PAINT PAVEMENT MARKING LINES (4")
220	LF	PAINT PAVEMENT MARKING LINES (8")
650	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
50	EA	PERMANENT RAISED PAVEMENT MARKERS
345	LF	2" WATER LINE
1	EA	2" BLOW OFF
2	EA	RELOCATE WATER METER
1	EA	RECONNECT WATER METER
2,360	LF	TEMPORARY SILT FENCE
80	TON	STONE FOR EROSION CONTROL, CLASS A
70	TON	STONE FOR EROSION CONTROL, CLASS B
165	TON	SEDIMENT CONTROL STONE
2	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
90	CY	SILT EXCAVATION
6,425	SY	MATTING FOR EROSION CONTROL
287	SY	PERMANENT SOIL REINFORCEMENT MAT
590	LF	1/4" HARDWARE CLOTH
90	LF	WATTLE
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
1.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+59.62 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 17+59.62 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 17+59.62 -L-)
4,812	SF	CONCRETE WEARING SURFACE
5,591	SF	GROOVING BRIDGE FLOORS
30.1	CY	CLASS AA CONCRETE (BRIDGE)
155.7	CY	CLASS A CONCRETE (BRIDGE)

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+59.62 -L-)
23,793	LB	REINFORCING STEEL (BRIDGE)
1,130	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
2,299	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,555	LF	HP12X53 STEEL PILES
224.2	LF	TWO BAR METAL RAIL
120.3	LF	1'-***"X *****" CONCRETE PARA- PET (1'-2" X 3'-9 1/2")
120.3	LF	1'-***"X *****" CONCRETE PARA- PET (1'-2" X 3'-0 1/2")
860	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
1,920	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 007

CONTRACT ID : C203420 8CR.10191.21

DIV OFFICE ABERDEEN

LENGTH = 25.436 MI

COUNTY : CHATHAM, LEE

WIDENING, MILLING, RESURFACING, SHLDR CONST AND RECONSTR.

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

1 SECTION OF NC-42, 1 SECTION OF US-421 &amp; US-421 NBL, 1 SECTION OF US-15/501, AND 9 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	19,000	LF	INDUCTIVE LOOP SAWCUT
2,190	CY	BORROW EXCAVATION			
2,170	TON	GENERIC GRADING ITEM			
		AGGREGATE SHOULDER BORROW			
1,020	TON	INCIDENTAL STONE BASE			
6.65	SMI	SHOULDER CONSTRUCTION			
40.87	SMI	SHOULDER RECONSTRUCTION			
177	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (11")			
17,400	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
500	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (12")			
540	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")			
267	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 4")			
5,125	SY	INCIDENTAL MILLING			
458	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
5,846	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
29,302	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
623	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)			
8,872	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
2,755	TON	ASPHALT BINDER FOR PLANT MIX			
1,605	TON	PATCHING EXISTING PAVEMENT			
30,730	SY	ASPHALT SURFACE TREATMENT, MAT COAT, #6M STONE			
41,000	SY	ASPHALT SURFACE TREATMENT, TRIPLE SEAL			
400	TON	GENERIC PAVING ITEM JOINT REPAIR			
33	EA	ADJUSTMENT OF MANHOLES			
34	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
2,391	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING			
320	HR	LAW ENFORCEMENT			
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL			
146,153	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
112,227	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
4,520	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
450	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)			
1,271	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
18	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
190	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
501,951	LF	PAINT PAVEMENT MARKING LINES (4")			
450	LF	PAINT PAVEMENT MARKING LINES (8")			
792	EA	PERMANENT RAISED PAVEMENT MARKERS			
1,095	EA	SNOWPLOWABLE PAVEMENT MARKERS			
Lump Sum	LS	PORTABLE LIGHTING			
1,847	LF	TEMPORARY SILT FENCE			
2,760	LF	WATTLE			
22.97	ACR	SEEDING & MULCHING			

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 008

CONTRACT ID : C203419 8CR.10621.20

DIV OFFICE ABERDEEN

LENGTH = 8.640 MI

COUNTY : MONTGOMERY

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

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

NC-73 FROM MONTGOMERY COUNTY LINE TO PAVEMENT JOINT AT EAST HAYWOOD LANE AND 2 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
4,154	TON	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW
85	TON	INCIDENTAL STONE BASE
17.27	SMI	SHOULDER RECONSTRUCTION
490	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
490	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
885	SY	INCIDENTAL MILLING
16,461	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
969	TON	ASPHALT BINDER FOR PLANT MIX
540	TON	PATCHING EXISTING PAVEMENT
967.68	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
54,015	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
33,132	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
251,909	LF	PAINT PAVEMENT MARKING LINES (4")
335	EA	PERMANENT RAISED PAVEMENT MARKERS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 009

CONTRACT ID : C203418 8CR.20471.20

DIV OFFICE ABERDEEN

LENGTH = 11.074 MI

COUNTY : HOKE, SCOTLAND

RESURFACING AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : JUN 30 2014

5 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
655	CY	BORROW EXCAVATION
1,825	TON	GENERIC GRADING ITEM
		AGGREGATE SHOULDER BORROW
295	TON	INCIDENTAL STONE BASE
22.16	SMI	SHOULDER RECONSTRUCTION
1,721	SY	INCIDENTAL MILLING
13,201	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
885	TON	ASPHALT BINDER FOR PLANT MIX
450	TON	PATCHING EXISTING PAVEMENT
4	EA	ADJUSTMENT OF MANHOLES
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1,240	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
399,208	LF	PAINT PAVEMENT MARKING LINES (4")
1,700	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
1,700	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
595	LF	TEMPORARY SILT FENCE
1,170	LF	WATTLE
6.55	ACR	SEEDING & MULCHING



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130820 010

CONTRACT ID : C203205 38452.3.FS1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.577 MI

COUNTY : STOKES

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 9.0% COMPLETION DATE : APR 12 2016

BRIDGES #29 AND 30 OVER LITTLE YADKIN RIVER ON US-52.

ROADWAY ITEMS

			3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
Lump Sum	LS	MOBILIZATION	8,030	LF	REMOVE EXISTING GUARDRAIL
Lump Sum	LS	CONSTRUCTION SURVEYING	1,756	LF	RELAPPING GUARDRAIL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+90.11 NBL)	110	TON	RIP RAP, CLASS I
			1,600	TON	RIP RAP, CLASS II
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+43.07 SBL)	220	TON	RIP RAP, CLASS B
			5,255	SY	GEOTEXTILE FOR DRAINAGE
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
1,000	CY	UNDERCUT EXCAVATION	1	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
Lump Sum	LS	GRADING	888	LB	SUPPORTS, BREAKAWAY STEEL BEAM
42,500	CY	BORROW EXCAVATION	73	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
81	CY	DRAINAGE DITCH EXCAVATION	2	EA	SIGN ERECTION, TYPE D
2,000	CY	SELECT GRANULAR MATERIAL	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
3,600	SY	GEOTEXTILE FOR SOIL STABILIZATION	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
1,236	SF	TEMPORARY SHORING	1	EA	DISPOSAL OF SIGN SYSTEM, WOOD
1,000	SY	ROCK PLATING	918	SF	WORK ZONE SIGNS (STATIONARY)
180	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	180	SF	WORK ZONE SIGNS (PORTABLE)
570	SY	FOUNDATION CONDITIONING GEOTEXTILE	18	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
240	LF	15" RC PIPE CULVERTS, CLASS III	4	EA	FLASHING ARROW BOARD
60	LF	30" RC PIPE CULVERTS, CLASS III	2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
40	LF	15" RC PIPE CULVERTS, CLASS IV	171	EA	DRUMS
1,248	LF	15" CS PIPE CULVERTS, 0.064" THICK	24	LF	BARRICADES (TYPE III)
84	LF	18" CS PIPE CULVERTS, 0.064" THICK	6	EA	TEMPORARY CRASH CUSHIONS
16	LF	30" CS PIPE CULVERTS, 0.079" THICK	4	EA	RESET TEMPORARY CRASH CUSHION
10	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	2	EA	TMA
2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	7,245	LF	PORTABLE CONCRETE BARRIER
786	LF	PIPE REMOVAL	6,790	LF	RESET PORTABLE CONCRETE BARRIER
750	CY	SHALLOW UNDERCUT	120	HR	LAW ENFORCEMENT
1,500	TON	CLASS IV SUBGRADE STABILIZATION	50	EA	SKINNY DRUM
300	TON	INCIDENTAL STONE BASE	281	EA	TEMPORARY RAISED PAVEMENT MARKERS
535	SY	INCIDENTAL MILLING	50,864	LF	PAINT PAVEMENT MARKING LINES (6")
13,360	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	9,901	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
3,140	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	4,726	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
3,230	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	8	EA	PERMANENT RAISED PAVEMENT MARKERS
930	TON	ASPHALT BINDER FOR PLANT MIX	47	EA	SNOWFLOWABLE PAVEMENT MARKERS
20	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	4,850	LF	TEMPORARY SILT FENCE
4	EA	RIGHT OF WAY MARKERS	630	TON	STONE FOR EROSION CONTROL, CLASS A
1	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	920	TON	STONE FOR EROSION CONTROL, CLASS B
0.66	CY	PIPE COLLARS	1,245	TON	SEDIMENT CONTROL STONE
17	EA	MASONRY DRAINAGE STRUCTURES	13	ACR	TEMPORARY MULCHING
0.73	LF	MASONRY DRAINAGE STRUCTURES	450	LB	SEED FOR TEMPORARY SEEDING
9	EA	FRAME WITH TWO GRATES, STD 840.24	2.75	TON	FERTILIZER FOR TEMPORARY SEEDING
4	EA	FRAME WITH TWO GRATES, STD 840.29	1,000	LF	TEMPORARY SLOPE DRAINS
55	LF	SHOULDER BERM GUTTER	500	LF	SAFETY FENCE
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	2,700	CY	SILT EXCAVATION
1	EA	GENERIC DRAINAGE ITEM CONVERT DROP INLET TO TWO GRATE INLET	20,000	SY	MATTING FOR EROSION CONTROL
8,250	LF	STEEL BM GUARDRAIL	1,925	SY	COIR FIBER MAT
10	EA	ADDITIONAL GUARDRAIL POSTS	1,200	SY	PERMANENT SOIL REINFORCEMENT MAT
2	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	975	LF	1/4" HARDWARE CLOTH
			24	EA	SPECIAL STILLING BASINS
			930	LF	WATTLE
			360	LB	POLYACRYLAMIDE (PAM)
			925	LF	COIR FIBER BAFFLE
			4	EA	*** SKIMMER (1-1/2")
			10	ACR	SEEDING & MULCHING
			7	ACR	MOWING

150	LB	SEED FOR REPAIR SEEDING
0.5	TON	FERTILIZER FOR REPAIR SEEDING
350	LB	SEED FOR SUPPLEMENTAL SEEDING
10.25	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL

### STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+90.11-NBL-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (25+43.07-SBL-)
170.5	LF	4'-0" DIA DRILLED PIERS IN SOIL
111	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
137.5	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
4	EA	SID INSPECTIONS
4	EA	SPT TESTING
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (24+90.11-NBL-)
24,436	SF	REINFORCED CONCRETE DECK SLAB
24,822	SF	GROOVING BRIDGE FLOORS
344.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+90.11-NBL-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+43.07-SBL-)
90,031	LB	REINFORCING STEEL (BRIDGE)
14,887	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,655	LF	54" PRESTRESSED CONCRETE GIRDERS
1,455	LF	HP12X53 STEEL PILES
1,072.92	LF	CONCRETE BARRIER RAIL
1,770	TON	RIP RAP CLASS II (2'-0" THICK)
1,965	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L130820 011

CONTRACT ID : C203417 11CR.10861.21

DIV OFFICE NORTH WILKESBORO

LENGTH = 17.630 MI

COUNTY : SURRY, YADKIN

MILLING, MILLED RUMBLE STRIPS, RESURFACING, &amp; SHLDR RECONST.

MBE GOAL 1.0% WBE 4.0% COMPLETION DATE : JUN 27 2014

US-52 FROM SR-1856 TO SR-1822, US-421 SBL FROM WILKES CO TO WEST OF SR-1103, AND 11 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
350	CY	BORROW EXCAVATION
1,850	TON	INCIDENTAL STONE BASE
7	SMI	SHOULDER RECONSTRUCTION
24,030	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
4,576	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
20,462	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
7,763	SY	INCIDENTAL MILLING
2,931	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
1,760	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
19,308	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
10,567	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2,093	TON	ASPHALT BINDER FOR PLANT MIX
95,589	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
20	EA	ADJUSTMENT OF MANHOLES
30	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1,604.22	SF	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING
191	HR	LAW ENFORCEMENT
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC CONTROL
486,444	LF	PAINT PAVEMENT MARKING LINES (4")
401,639	LF	PAINT PAVEMENT MARKING LINES (6")
185	LF	PAINT PAVEMENT MARKING LINES (8")
6,300	LF	PAINT PAVEMENT MARKING LINES (12")
528	LF	PAINT PAVEMENT MARKING LINES (24")
28	EA	PAINT PAVEMENT MARKING CHARAC- TER
40	EA	PAINT PAVEMENT MARKING SYMBOL
1,468	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
2.55	ACR	SEEDING & MULCHING
100	LF	PAVED TRENCHING (*****) (2")
100	LF	UNPAVED TRENCHING (*****) (2")
4	EA	JUNCTION BOX (STANDARD SIZE)
250	LF	INDUCTIVE LOOP SAWCUT
100	LF	LEAD-IN CABLE (*****) (14-2)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L130820 012

CONTRACT ID : C203308 38507.3.FD1

DIV OFFICE SYLVA

LENGTH = 0.075 MI

COUNTY : CLAY

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : JAN 11 2015

BRIDGE #9 OVER TUSQUITEE CREEK ON SR-1300.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (12+75.00-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
150	CY	UNDERCUT EXCAVATION
90	CY	DRAINAGE DITCH EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
300	SY	GEOTEXTILE FOR SOIL STABILIZATION
30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
90	SY	FOUNDATION CONDITIONING GEOTEXTILE
40	LF	18" DRAINAGE PIPE
36	LF	24" DRAINAGE PIPE
2	EA	*** DRAINAGE PIPE ELBOWS (18")
2	EA	*** DRAINAGE PIPE ELBOWS (24")
72	LF	15" RC PIPE CULVERTS, CLASS IV
76	LF	24" RC PIPE CULVERTS, CLASS IV
52	LF	30" RC PIPE CULVERTS, CLASS IV
1	EA	*** PIPE END SECTION (24")
161	LF	PIPE REMOVAL
50	CY	SHALLOW UNDERCUT
95	TON	CLASS IV SUBGRADE STABILIZATION
20	TON	INCIDENTAL STONE BASE
90	SY	INCIDENTAL MILLING
120	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
200	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
25	TON	ASPHALT BINDER FOR PLANT MIX
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
45	CY	SUBDRAIN EXCAVATION
34	CY	SUBDRAIN FINE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
3	EA	MASONRY DRAINAGE STRUCTURES
0.4	LF	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH GRATE, STD 840.29
2	EA	FRAME WITH COVER, STD 840.54
123	LF	SHOULDER BERM GUTTER
75	LF	STEEL BM GUARDRAIL
50	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
17	TON	RIP RAP, CLASS B
1,250	SY	GEOTEXTILE FOR DRAINAGE
91	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
2	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
690	SF	WORK ZONE SIGNS (STATIONARY)
144	SF	WORK ZONE SIGNS (PORTABLE)
178	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
10	EA	DRUMS
10	EA	CONES
120	LF	BARRICADES (TYPE III)

960	HR	FLAGGER
16	EA	SKINNY DRUM
5,506	LF	PAINT PAVEMENT MARKING LINES (4")
32	LF	PAINT PAVEMENT MARKING LINES (24")
800	LF	TEMPORARY SILT FENCE
440	TON	STONE FOR EROSION CONTROL, CLASS A
55	TON	STONE FOR EROSION CONTROL, CLASS B
210	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
150	CY	SILT EXCAVATION
1,150	SY	MATTING FOR EROSION CONTROL
160	SY	COIR FIBER MAT
25	SY	PERMANENT SOIL REINFORCEMENT MAT
270	LF	1/4" HARDWARE CLOTH
6	EA	SPECIAL STILLING BASINS
75	LF	COIR FIBER WATTLE
25	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLE
1	EA	*** SKIMMER (1-1/2")
0.5	ACR	SEEDING & MULCHING
0.2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.25	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (12+75.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (12+75.00-L-)
93	LF	PILE EXCAVATION IN SOIL
59	LF	PILE EXCAVATION NOT IN SOIL
8	LF	3'-0" DIA DRILLED PIERS IN SOIL
18	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
7.89	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
1	EA	SID INSPECTIONS
1	EA	SPT TESTING
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (12+75.00-L-)
3,688	SF	CONCRETE WEARING SURFACE
4,198	SF	GROOVING BRIDGE FLOORS
60.5	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (12+75.00-L-)
11,890	LB	REINFORCING STEEL (BRIDGE)
783	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
230	LF	HP12X53 STEEL PILES
200.5	LF	VERTICAL CONCRETE BARRIER RAIL
244	TON	RIP RAP CLASS II (2'-0" THICK)
271	SY	GEOTEXTILE FOR DRAINAGE

Lump Sum	LS	ELASTOMERIC BEARINGS
1,300	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS
960	SF	GENERIC STRUCTURE ITEM 18" STEEL SHEET PILES

## 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					
			4,328	LF	PIPE REMOVAL
		Lump Sum		LS	FINE GRADING
			15,390	TON	#57 STONE
			775	CY	SHALLOW UNDERCUT
			1,460	TON	CLASS IV SUBGRADE STABILIZATION
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	FIELD OFFICE			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	1,000	TON	STABILIZER AGGREGATE
			5,000	TON	INCIDENTAL STONE BASE
10	EA	SEALING ABANDONED WELLS	11,400	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1081+04.5 RT-L-)	1,600	SY	INCIDENTAL MILLING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1084+04.5 LT-L-)	14,425	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 LT-L-)	52,925	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 RT-L-)	10,775	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 RT-L-)	51,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2	EA	EMBANKMENT SETTLEMENT GAUGES	6,300	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
3,500	CY	DRAINAGE DITCH EXCAVATION	1,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
8,100	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1,000	TON	GENERIC PAVING ITEM JOINT REPAIR
23,700	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	40	EA	CONTROL OF ACCESS MARKERS
4,500	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	1,377.6	CY	SUBDRAIN EXCAVATION
23,700	SY	BREAKING OF EXISTING CONCRETE PAVEMENT	4,100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
70	HR	PROOF ROLLING	688.8	CY	SUBDRAIN COARSE AGGREGATE
25,500	CY	SELECT GRANULAR MATERIAL	4,100	LF	6" PERFORATED SUBDRAIN PIPE
30,700	SY	GEOTEXTILE FOR SOIL STABILIZATION	9	EA	SUBDRAIN PIPE OUTLET
27,860	TON	ROCK EMBANKMENTS	54	LF	6" OUTLET PIPE
15,370	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	6	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
			57.1	CY	ENDWALLS
3,170	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	19.8	CY	REINFORCED ENDWALLS
9,950	SY	FOUNDATION CONDITIONING GEOTEXTILE	2,314	CY	PIPE COLLARS
			199	EA	MASONRY DRAINAGE STRUCTURES
12	LF	*** SIDE DRAIN PIPE (30")	33.3	CY	MASONRY DRAINAGE STRUCTURES
			105.21	LF	MASONRY DRAINAGE STRUCTURES
16	LF	*** SIDE DRAIN PIPE (60")	5	EA	FRAME WITH GRATE, STD 840.24
			13	EA	FRAME WITH TWO GRATES, STD 840.16
5,716	LF	15" SIDE DRAIN PIPE	132	EA	FRAME WITH TWO GRATES, STD 840.24
5,100	LF	18" SIDE DRAIN PIPE			
1,424	LF	24" SIDE DRAIN PIPE			
1,582	LF	15" RC PIPE CULVERTS, CLASS III	55	EA	FRAME WITH TWO GRATES, STD 840.29
2,052	LF	18" RC PIPE CULVERTS, CLASS III	3	EA	FRAME WITH COVER, STD 840.54
568	LF	24" RC PIPE CULVERTS, CLASS III	13	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
1,112	LF	30" RC PIPE CULVERTS, CLASS III	10,250	LF	SHOULDER BERM GUTTER
1,096	LF	36" RC PIPE CULVERTS, CLASS III	7,150	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
336	LF	42" RC PIPE CULVERTS, CLASS III	15,187.5	LF	STEEL BM GUARDRAIL
1,972	LF	48" RC PIPE CULVERTS, CLASS III	156.25	LF	STEEL BM GUARDRAIL, SHOP CURVED
144	LF	60" RC PIPE CULVERTS, CLASS III	2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
444	LF	72" RC PIPE CULVERTS, CLASS III	10	EA	ADDITIONAL GUARDRAIL POSTS
4,612	LF	15" RC PIPE CULVERTS, CLASS IV	21	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
1,756	LF	18" RC PIPE CULVERTS, CLASS IV	28	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
308	LF	24" RC PIPE CULVERTS, CLASS IV	8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
328	LF	30" RC PIPE CULVERTS, CLASS IV	16	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
180	LF	36" RC PIPE CULVERTS, CLASS IV	1,400	LF	REMOVE EXISTING GUARDRAIL
104	LF	42" RC PIPE CULVERTS, CLASS IV	550	LF	TEMPORARY STEEL BM GUARDRAIL
36	LF	15" CS PIPE CULVERTS, 0.064" THICK	18	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
592	LF	18" CS PIPE CULVERTS, 0.064" THICK	90	EA	GENERIC GUARDRAIL ITEM TEMPORARY EXTRA LENGTH GUARDRAIL POSTS (7" STEEL)
22	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	57,100	LF	WOVEN WIRE FENCE, 47" FABRIC
			3,525	EA	4" TIMBER FENCE POSTS, 7'-6" LONG

			3	EA	10" TAPPING VALVE		
			6	EA	1" AIR RELEASE VALVE		
			1	EA	2" BLOW OFF		
1,050	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	27	EA	RELOCATE WATER METER		
10,300	LF	CHAIN LINK FENCE, 48" FABRIC	3	EA	RELOCATE FIRE HYDRANT		
875	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	1,213	LF	12" SANITARY GRAVITY SEWER		
			7,730	LF	4" FORCE MAIN SEWER		
			4,177	LF	6" FORCE MAIN SEWER		
100	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	9	EA	4' DIA UTILITY MANHOLE		
			30	LF	UTILITY MANHOLE WALL, 4' DIA		
2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (48")	279	LF	ABANDON 8" UTILITY PIPE		
			10,681	LF	ABANDON 10" UTILITY PIPE		
1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 10', 20')	1,370	LF	ABANDON 12" UTILITY PIPE		
			119	LF	ABANDON 18" UTILITY PIPE		
4	EA	GENERIC FENCING ITEM METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE	2	EA	REMOVE WATER METER		
			1	EA	REMOVE FIRE HYDRANT		
2	EA	GENERIC FENCING ITEM DOUBLE GATES 47" HIGH, 10' WIDE, 20' OPENING (WOVEN WIRE)	3	EA	REMOVE UTILITY MANHOLE		
			930	LF	*** ENCASUREMENT PIPE (14")		
950	LF	RELAPPING GUARDRAIL	187	LF	16" ENCASUREMENT PIPE		
255	TON	RIP RAP, CLASS I	746	LF	18" ENCASUREMENT PIPE		
1,250	TON	RIP RAP, CLASS B	485	LF	20" ENCASUREMENT PIPE		
11,350	SY	GEOTEXTILE FOR DRAINAGE	700	LF	24" ENCASUREMENT PIPE		
20	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	130	LF	TRENCHLESS INSTALLATION OF 2" IN SOIL		
			130	LF	TRENCHLESS INSTALLATION OF 2" NOT IN SOIL		
1	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	2,089	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL		
573	LB	SUPPORTS, BREAKAWAY STEEL BEAM	2,088	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL		
5,221	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	1,699	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL		
22	EA	SIGN ERECTION, TYPE D	1,698	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL		
177	EA	SIGN ERECTION, TYPE E	105	LF	TRENCHLESS INSTALLATION OF 14" IN SOIL		
72	EA	SIGN ERECTION, TYPE F	105	LF	TRENCHLESS INSTALLATION OF 14" NOT IN SOIL		
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	93	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL		
			94	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL		
55	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	127	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL		
4,582	SF	WORK ZONE SIGNS (STATIONARY)	128	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL		
416	SF	WORK ZONE SIGNS (PORTABLE)	251	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL		
457	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	251	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL		
2	EA	FLASHING ARROW BOARD	1	EA	GENERIC UTILITY ITEM WATER METERING STATION		
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	150,000	LF	TEMPORARY SILT FENCE		
252	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	5,000	TON	STONE FOR EROSION CONTROL, CLASS A		
1,190	EA	DRUMS	10,000	TON	STONE FOR EROSION CONTROL, CLASS B		
100	EA	CONES	10,000	TON	SEDIMENT CONTROL STONE		
975	LF	BARRICADES (TYPE III)	230	ACR	TEMPORARY MULCHING		
520	DAY	FLAGGER	8,400	LB	SEED FOR TEMPORARY SEEDING		
2	EA	TMA	35	TON	FERTILIZER FOR TEMPORARY SEEDING		
64	HR	LAW ENFORCEMENT	11,500	LF	TEMPORARY SLOPE DRAINS		
100	EA	SKINNY DRUM	11,000	LF	SAFETY FENCE		
1,574	EA	TEMPORARY RAISED PAVEMENT MARKERS	50,000	CY	SILT EXCAVATION		
179,224	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	135,000	SY	MATTING FOR EROSION CONTROL		
51,020	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	10,000	SY	COIR FIBER MAT		
19,721	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	1,650	SY	PERMANENT SOIL REINFORCEMENT MAT		
			10,000	LF	1/4" HARDWARE CLOTH		
1,092	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	1,100	SY	FLOATING TURBIDITY CURTAIN		
287	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	900	CY	STILLING BASINS		
4,320	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	8	EA	SPECIAL STILLING BASINS		
671,197	LF	PAINT PAVEMENT MARKING LINES (4")	22,500	LF	WATTLE		
			600	LF	COIR FIBER WATTLE		
400	LF	PAINT PAVEMENT MARKING LINES (8")	20,500	LB	POLYACRYLAMIDE (PAM)		
1,974	LF	PAINT PAVEMENT MARKING LINES (24")	18,500	LF	COIR FIBER BAFFLE		
180	EA	PAINT PAVEMENT MARKING CHARACTER	73	EA	*** SKIMMER (1-1/2")		
30	EA	PAINT PAVEMENT MARKING SYMBOL	1	EA	*** SKIMMER (2")		
16,235	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	1	EA	*** SKIMMER (2-1/2")		
			1	EA	*** SKIMMER (2-1/2")		
337	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	230	ACR	SEEDING & MULCHING		
1,945	EA	SNOWPLOWABLE PAVEMENT MARKERS	115	ACR	MOWING		
509	LF	2" WATER LINE	3,450	LB	SEED FOR REPAIR SEEDING		
539	LF	4" WATER LINE	14	TON	FERTILIZER FOR REPAIR SEEDING		
392	LF	6" WATER LINE	6,925	LB	SEED FOR SUPPLEMENTAL SEEDING		
306	LF	8" WATER LINE	208	TON	FERTILIZER TOPDRESSING		
7,990	LF	10" WATER LINE	1,300	LF	IMPERVIOUS DIKE		
3,703	LF	12" WATER LINE	100	MHR	SPECIALIZED HAND MOWING		
1	EA	2" VALVE					
3	EA	4" VALVE					
7	EA	10" VALVE					

200	EA	RESPONSE FOR EROSION CONTROL	Lump Sum	LS	ELASTOMERIC BEARINGS
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
3,170	LF	HP14X73 GALVANIZED STEEL PILES
1,160	LF	PP ** X **** GALVANIZED STEEL PILES (24 X 0.625)
16	EA	PIPE PILE PLATES
62	EA	PILE REDRIVES
1,746.68	LF	CONCRETE BARRIER RAIL
2,924	TON	RIP RAP CLASS II (2'-0" THICK)
3,275	SY	GEOTEXTILE FOR DRAINAGE



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
4,609	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	6,530	LF	PIPE REMOVAL
69	HR	PROOF ROLLING	Lump Sum	LS	FINE GRADING
47,200	CY	SELECT GRANULAR MATERIAL	2,400	TON	#57 STONE
45,200	SY	GEOTEXTILE FOR SOIL STABILIZATION	500	CY	SHALLOW UNDERCUT
3,380	SF	TEMPORARY SHORING	950	TON	CLASS IV SUBGRADE STABILIZATION
5,000	TON	ROCK EMBANKMENTS	1,000	TON	STABILIZER AGGREGATE
2,600	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	5,000	TON	INCIDENTAL STONE BASE
350	SY	ROCK PLATING	4,860	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (3")
2,950	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	660	SY	INCIDENTAL MILLING
Lump Sum	LS	GENERIC GRADING ITEM GRADING FOR MITIGATION	3,400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
900	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	64,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
4,410	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	38,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
13,860	SY	FOUNDATION CONDITIONING GEOTEXTILE	2,000	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
76	LF	*** SIDE DRAIN PIPE (36")	5,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
3,212	LF	15" SIDE DRAIN PIPE	5,000	TON	GENERIC PAVING ITEM JOINT REPAIR
1,400	LF	18" SIDE DRAIN PIPE	20	EA	CONTROL OF ACCESS MARKERS
412	LF	24" SIDE DRAIN PIPE	1,250	CY	SUBDRAIN EXCAVATION
26	EA	*** SIDE DRAIN PIPE ELBOWS (15")	3,700	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
2	EA	*** SIDE DRAIN PIPE ELBOWS (18")	630	CY	SUBDRAIN COARSE AGGREGATE
4,584	LF	15" RC PIPE CULVERTS, CLASS III	3,700	LF	6" PERFORATED SUBDRAIN PIPE
4,532	LF	18" RC PIPE CULVERTS, CLASS III	8	EA	SUBDRAIN PIPE OUTLET
3,916	LF	24" RC PIPE CULVERTS, CLASS III	48	LF	6" OUTLET PIPE
1,728	LF	30" RC PIPE CULVERTS, CLASS III	29	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
1,132	LF	36" RC PIPE CULVERTS, CLASS III	26	CY	ENDWALLS
132	LF	42" RC PIPE CULVERTS, CLASS III	51.5	CY	REINFORCED ENDWALLS
204	LF	60" RC PIPE CULVERTS, CLASS III	9	CY	PIPE COLLARS
496	LF	66" RC PIPE CULVERTS, CLASS III	2	CY	PIPE PLUGS
56	LF	72" RC PIPE CULVERTS, CLASS III	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

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

			9,000	LF	SIGNAL CABLE		
			67	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)		
			9	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)		
			5	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)		
3,081	LF	8" SANITARY GRAVITY SEWER					
798	LF	10" SANITARY GRAVITY SEWER					
27	EA	4' DIA UTILITY MANHOLE					
116.2	LF	UTILITY MANHOLE WALL, 4' DIA					
8,720	LF	ABANDON 8" UTILITY PIPE					
18,335	LF	ABANDON 10" UTILITY PIPE					
7,641	LF	ABANDON 12" UTILITY PIPE					
16	EA	REMOVE UTILITY MANHOLE					
106	LF	16" ENCASEMENT PIPE					
136	LF	18" ENCASEMENT PIPE					
285	LF	20" ENCASEMENT PIPE					
360	LF	24" ENCASEMENT PIPE					
959	LF	30" ENCASEMENT PIPE					
373	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL					
373	LF	TRENCHLESS INSTALLATION OF 10" NOT IN SOIL					
2,487	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL					
2,485	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL					
53	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL					
53	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL					
14	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL					
14	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL					
110	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL					
109	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL					
160	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL					
158	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL					
480	LF	TRENCHLESS INSTALLATION OF 30" IN SOIL					
479	LF	TRENCHLESS INSTALLATION OF 30" NOT IN SOIL					
1	EA	GENERIC UTILITY ITEM WATER METER VAULT					
1	EA	GENERIC UTILITY ITEM WATER METERING STATION					
121,000	LF	TEMPORARY SILT FENCE					
6,000	TON	STONE FOR EROSION CONTROL, CLASS A					
10,000	TON	STONE FOR EROSION CONTROL, CLASS B					
10,000	TON	SEDIMENT CONTROL STONE					
183.5	ACR	TEMPORARY MULCHING					
3,600	LB	SEED FOR TEMPORARY SEEDING					
17.75	TON	FERTILIZER FOR TEMPORARY SEEDING					
						***** BEGIN SCHEDULE AA *****	
						***** ( 2 ALTERNATES ) *****	
4,000	LF	TEMPORARY SLOPE DRAINS	80,600	CY	UNCLASSIFIED EXCAVATION		
13,000	LF	SAFETY FENCE	60,204	CY	UNDERCUT EXCAVATION		
25,000	CY	SILT EXCAVATION	595,800	CY	BORROW EXCAVATION		
60,000	SY	MATTING FOR EROSION CONTROL	79,400	TON	AGGREGATE BASE COURSE		
1,480	SY	COIR FIBER MAT	56,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		
13,800	SY	PERMANENT SOIL REINFORCEMENT MAT	8,070	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***		
20,000	LF	1/4" HARDWARE CLOTH	67,600	CY	UNCLASSIFIED EXCAVATION		
130	LF	*** TEMPORARY PIPE (24")	44,756	CY	UNDERCUT EXCAVATION		
120	LF	*** TEMPORARY PIPE (36")	621,000	CY	BORROW EXCAVATION		
280	SY	FLOATING TURBIDITY CURTAIN	71,800	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		
420	CY	STILLING BASINS	8,757	TON	ASPHALT BINDER FOR PLANT MIX		
12	EA	SPECIAL STILLING BASINS					
25,000	LF	COIR FIBER WATTLE					
16,000	LB	POLYACRYLAMIDE (PAM)					
10,000	LF	COIR FIBER BAFFLE					
24	EA	*** SKIMMER (1-1/2")					
1	EA	*** SKIMMER (2")					
141	ACR	SEEDING & MULCHING					
60	ACR	MOWING					
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					
150	EA	RESPONSE FOR EROSION CONTROL					
125	CY	CULVERT DIVERSION CHANNEL					
12	ACR	REFORESTATION					
0.3	ACR	STREAMBANK REFORESTATION					
						*** END SCHEDULE AA ***	
						<b>CULVERT ITEMS</b>	
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1109+25.00-L-)		
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1224+46.00-L-)		
			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1109+25.00-L-)		
			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1224+46.00-L-)		
			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 STA  
 \*\*\*\*\*  
 (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 EXCAVA-  
 TION AT STATION \*\*\*\*\*  
 (1311+58.00-LREV-RT)

Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA-  
 TION 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 GIR-  
 DERS

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 &amp; 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						
			6,584	LF	18" RC PIPE CULVERTS, CLASS III	
			4,484	LF	24" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	MOBILIZATION	2,840	LF	30" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	FIELD OFFICE				
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				
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1081+04.5 RT-L-)	1,972	LF	48" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1084+04.5 LT-L-)	348	LF	60" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1311+58-L-LT)	496	LF	66" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1311+58-L-RT)	500	LF	72" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-LT)	2,436	LF	**** RC PIPE CULVERTS, CLASS IV (48")	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (1326+94-L-RT)	572	LF	**** RC PIPE CULVERTS, CLASS IV (54")	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 LT-L-)	272	LF	**** RC PIPE CULVERTS, CLASS IV (60")	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (943+12.5 RT-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, ***** THICK (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				
17,970	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	10,858	LF	PIPE REMOVAL	
350	SY	ROCK PLATING	Lump Sum	LS	FINE GRADING	
2,950	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	17,790	TON	#57 STONE	
Lump Sum	LS	GENERIC GRADING ITEM GRADING FOR MITIGATION	1,275	CY	SHALLOW UNDERCUT	
900	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	2,410	TON	CLASS IV SUBGRADE STABILIZATION	
7,580	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	2,000	TON	STABILIZER AGGREGATE	
23,810	SY	FOUNDATION CONDITIONING GEOTEXTILE	10,000	TON	INCIDENTAL STONE BASE	
12	LF	*** SIDE DRAIN PIPE (30")	4,860	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	
76	LF	*** SIDE DRAIN PIPE (36")	11,400	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	
16	LF	*** SIDE DRAIN PIPE (60")	2,260	SY	INCIDENTAL MILLING	
8,928	LF	15" SIDE DRAIN PIPE	17,825	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	
6,500	LF	18" SIDE DRAIN PIPE	116,925	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE H19.0C	
1,836	LF	24" SIDE DRAIN PIPE	10,775	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
26	EA	*** SIDE DRAIN PIPE ELBOWS (15")	89,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
2	EA	*** SIDE DRAIN PIPE ELBOWS (18")	8,300	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
6,166	LF	15" RC PIPE CULVERTS, CLASS III	6,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	

6,000	TON	GENERIC PAVING ITEM JOINT REPAIR	875	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
60	EA	CONTROL OF ACCESS MARKERS	100	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
2,627.6	CY	SUBDRAIN EXCAVATION	2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (48")
7,800	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 10', 20')
1,318.8	CY	SUBDRAIN COARSE AGGREGATE	4	EA	GENERIC FENCING ITEM METAL GATE POSTS FOR 47" WOVEN WIRE FENCE, DOUBLE GATE
7,800	LF	6" PERFORATED SUBDRAIN PIPE	2	EA	GENERIC FENCING ITEM DOUBLE GATES 47" HIGH, 10' WIDE, 20' OPENING (WOVEN WIRE)
17	EA	SUBDRAIN PIPE OUTLET	950	LF	RELAPPING GUARDRAIL
102	LF	6" OUTLET PIPE	1,230	TON	RIP RAP, CLASS I
35	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	5,157	TON	RIP RAP, CLASS B
83.1	CY	ENDWALLS	26,565	SY	GEOTEXTILE FOR DRAINAGE
71.3	CY	REINFORCED ENDWALLS	27	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
11,314	CY	PIPE COLLARS	13	CY	REINFORCED CONCRETE SIGN FOUN- DATIONS
2	CY	PIPE PLUGS	1	CY	PLAIN CONCRETE SIGN FOUNDA- TIONS
620	EA	MASONRY DRAINAGE STRUCTURES	9,240	LB	SUPPORTS, BREAKAWAY STEEL BEAM
112.3	CY	MASONRY DRAINAGE STRUCTURES	1,128	LB	SUPPORTS, SIMPLE STEEL BEAM
249.21	LF	MASONRY DRAINAGE STRUCTURES	8,783	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
5	EA	FRAME WITH GRATE, STD 840.24	31	EA	SIGN ERECTION, TYPE D
111	EA	FRAME WITH TWO GRATES, STD 840.16	306	EA	SIGN ERECTION, TYPE E
47	EA	FRAME WITH TWO GRATES, STD 840.20	113	EA	SIGN ERECTION, TYPE F
9	EA	FRAME WITH TWO GRATES, STD 840.22	13	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
243	EA	FRAME WITH TWO GRATES, STD 840.24	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
59	EA	FRAME WITH TWO GRATES, STD 840.29	6	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
29	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	7	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
53	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	154	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
73	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	9,034	SF	WORK ZONE SIGNS (STATIONARY)
28	EA	FRAME WITH COVER, STD 840.54	1,941	SF	WORK ZONE SIGNS (PORTABLE)
68	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	1,124	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
815	LF	***X*** CONCRETE CURB (8" X 18")	4	EA	FLASHING ARROW BOARD
1,400	LF	***.*** CONCRETE CURB & GUTTER (2'-0")	11	EA	PORTABLE CHANGEABLE MESSAGE SIGN
11,780	LF	1'-6" CONCRETE CURB & GUTTER	504	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
25,900	LF	2'-6" CONCRETE CURB & GUTTER	3,136	EA	DRUMS
17,150	LF	SHOULDER BERM GUTTER	650	EA	CONES
1	EA	MODIFIED CONCRETE FLUME	2,991	LF	BARRICADES (TYPE III)
120	LF	CONCRETE EXPRESSWAY GUTTER	970	DAY	FLAGGER
10,260	SY	4" CONCRETE SIDEWALK	2	EA	TEMPORARY CRASH CUSHIONS
60	EA	CONCRETE CURB RAMP	6	EA	RESET TEMPORARY CRASH CUSHION
1,040	SY	6" CONCRETE DRIVEWAY	5	EA	TMA
420	SY	4" CONCRETE PAVED DITCH	1,442	LF	PORTABLE CONCRETE BARRIER
74,150	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	150	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
3	EA	ADJUSTMENT OF CATCH BASINS	1,876	LF	RESET PORTABLE CONCRETE BAR- RIER
1	EA	ADJUSTMENT OF DROP INLETS	397	LF	WATER FILLED BARRIER
2	EA	ADJUSTMENT OF MANHOLES	564	HR	LAW ENFORCEMENT
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	695	EA	SKINNY DRUM
27,112.5	LF	STEEL BM GUARDRAIL	3,469	LF	GENERIC TRAFFIC CONTROL ITEM MODULAR LANE SEPARATOR
156.25	LF	STEEL BM GUARDRAIL, SHOP CURVED	2,631	EA	TEMPORARY RAISED PAVEMENT MARKERS
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	297,089	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
20	EA	ADDITIONAL GUARDRAIL POSTS	93,765	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
32	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	8,996	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
42	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	2,572	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
10	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	29,825	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
31	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	1,960	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
3,098	LF	REMOVE EXISTING GUARDRAIL	2,428	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
2,425	LF	TEMPORARY STEEL BM GUARDRAIL	1,530	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
24	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	2,692	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
90	EA	GENERIC GUARDRAIL ITEM TEMPORARY EXTRA LENGTH GUARD- RAIL POSTS (7" STEEL)	48	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
99,090	LF	WOVEN WIRE FENCE, 47" FABRIC	641	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
6,965	EA	4" TIMBER FENCE POSTS, 7'-6" LONG			
1,390	EA	5" TIMBER FENCE POSTS, 8'-0" LONG			
10,300	LF	CHAIN LINK FENCE, 48" FABRIC			

13,200	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	105	LF	TRENCHLESS INSTALLATION OF 14" IN SOIL
1,267,764	LF	PAINT PAVEMENT MARKING LINES (4")	105	LF	TRENCHLESS INSTALLATION OF 14" NOT IN SOIL
19,534	LF	PAINT PAVEMENT MARKING LINES (8")	146	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
4,228	LF	PAINT PAVEMENT MARKING LINES (12")	147	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
6,051	LF	PAINT PAVEMENT MARKING LINES (24")	14	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL
208	EA	PAINT PAVEMENT MARKING CHARACTER	14	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL
281	EA	PAINT PAVEMENT MARKING SYMBOL	237	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL
6,215	LF	POLYUREA PAVEMENT MARKING LINES (4", *****)	237	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL
83,889	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	411	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL
597	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	409	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL
778	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	480	LF	TRENCHLESS INSTALLATION OF 30" IN SOIL
45	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	479	LF	TRENCHLESS INSTALLATION OF 30" NOT IN SOIL
60	EA	PERMANENT RAISED PAVEMENT MARKERS	1	EA	GENERIC UTILITY ITEM WATER METER VAULT
4,096	EA	SNOWPLOWABLE PAVEMENT MARKERS	2	EA	GENERIC UTILITY ITEM WATER METERING STATION
Lump Sum	LS	PORTABLE LIGHTING	271,000	LF	TEMPORARY SILT FENCE
745	LF	2" WATER LINE	11,000	TON	STONE FOR EROSION CONTROL, CLASS A
1,046	LF	4" WATER LINE	20,000	TON	STONE FOR EROSION CONTROL, CLASS B
1,313	LF	6" WATER LINE	20,000	TON	SEDIMENT CONTROL STONE
4,739	LF	8" WATER LINE	413.5	ACR	TEMPORARY MULCHING
22,479	LF	10" WATER LINE	12,000	LB	SEED FOR TEMPORARY SEEDING
19,846	LF	12" WATER LINE	52.75	TON	FERTILIZER FOR TEMPORARY SEEDING
99	LF	16" WATER LINE	15,500	LF	TEMPORARY SLOPE DRAINS
3	EA	2" VALVE	24,000	LF	SAFETY FENCE
5	EA	4" VALVE	75,000	CY	SILT EXCAVATION
5	EA	6" VALVE	195,000	SY	MATTING FOR EROSION CONTROL
8	EA	8" VALVE	11,480	SY	COIR FIBER MAT
25	EA	10" VALVE	15,450	SY	PERMANENT SOIL REINFORCEMENT MAT
12	EA	12" VALVE	30,000	LF	1/4" HARDWARE CLOTH
1	EA	16" VALVE	130	LF	*** TEMPORARY PIPE (24")
1	EA	6" TAPPING VALVE	120	LF	*** TEMPORARY PIPE (36")
4	EA	10" TAPPING VALVE	1,380	SY	FLOATING TURBIDITY CURTAIN
6	EA	1" AIR RELEASE VALVE	1,320	CY	STILLING BASINS
1	EA	2" BLOW OFF	20	EA	SPECIAL STILLING BASINS
99	EA	RELOCATE WATER METER	22,500	LF	WATTLE
15	EA	RECONNECT WATER METER	25,600	LF	COIR FIBER WATTLE
3	EA	FIRE HYDRANT	36,500	LB	POLYACRYLAMIDE (PAM)
18	EA	RELOCATE FIRE HYDRANT	28,500	LF	COIR FIBER BAFFLE
3,081	LF	8" SANITARY GRAVITY SEWER	97	EA	*** SKIMMER (1-1/2")
798	LF	10" SANITARY GRAVITY SEWER	2	EA	*** SKIMMER (2")
1,213	LF	12" SANITARY GRAVITY SEWER	1	EA	*** SKIMMER (2-1/2")
7,730	LF	4" FORCE MAIN SEWER	371	ACR	SEEDING & MULCHING
4,177	LF	6" FORCE MAIN SEWER	175	ACR	MOWING
36	EA	4" DIA UTILITY MANHOLE	5,300	LB	SEED FOR REPAIR SEEDING
146.2	LF	UTILITY MANHOLE WALL, 4' DIA	20,75	TON	FERTILIZER FOR REPAIR SEEDING
8,999	LF	ABANDON 8" UTILITY PIPE	10,275	LB	SEED FOR SUPPLEMENTAL SEEDING
29,016	LF	ABANDON 10" UTILITY PIPE	308.25	TON	FERTILIZER TOPDRESSING
9,011	LF	ABANDON 12" UTILITY PIPE	1,800	LF	IMPERVIOUS DIKE
119	LF	ABANDON 18" UTILITY PIPE	160	MHR	SPECIALIZED HAND MOWING
2	EA	REMOVE WATER METER	350	EA	RESPONSE FOR EROSION CONTROL
1	EA	REMOVE FIRE HYDRANT	3,325	CY	CULVERT DIVERSION CHANNEL
19	EA	REMOVE UTILITY MANHOLE	17	ACR	REFORESTATION
930	LF	*** ENCASEMENT PIPE (14")	1.56	ACR	STREAMBANK REFORESTATION
293	LF	16" ENCASEMENT PIPE	9,000	LF	SIGNAL CABLE
882	LF	18" ENCASEMENT PIPE	67	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
770	LF	20" ENCASEMENT PIPE	9	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
1,060	LF	24" ENCASEMENT PIPE	5	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
959	LF	30" ENCASEMENT PIPE	8,400	LF	MESSENGER CABLE (1/4")
130	LF	TRENCHLESS INSTALLATION OF 2" IN SOIL	1,500	LF	MESSENGER CABLE (3/8")
130	LF	TRENCHLESS INSTALLATION OF 2" NOT IN SOIL	550	LF	TRACER WIRE
2,089	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL	800	LF	UNPAVED TRENCHING (*****)
2,088	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL	100	LF	UNPAVED TRENCHING (*****)
373	LF	TRENCHLESS INSTALLATION OF 10" IN SOIL	6,900	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
373	LF	TRENCHLESS INSTALLATION OF 10" NOT IN SOIL	900	LF	DIRECTIONAL DRILL (*****)
4,186	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL			(1, 2")
4,183	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL			(1, 2")

1,100	LF	DIRECTIONAL DRILL (*****) (2, 2")
12	EA	JUNCTION BOX (STANDARD SIZE)
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)
10,000	LF	COMMUNICATIONS CABLE (**FIBER) (12)
5	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT
4	EA	DELINEATOR MARKER
1	EA	900MHZ RADIO
4	EA	MODIFY RADIO INSTALLATION
16	EA	METAL POLE WITH SINGLE MAST ARM
1	EA	METAL POLE WITH DUAL MAST ARM
17	EA	SOIL TEST
121	CY	DRILLED PIER FOUNDATION
17	EA	MAST ARM WITH METAL POLE DESIGN
3	EA	SIGN FOR SIGNALS
2	EA	TYPE II PEDESTAL WITH FOUNDATION
5	EA	SIGNAL CABINET FOUNDATION
5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
29	EA	DETECTOR CARD (TYPE 2070L)
5	EA	CABINET BASE EXTENDER

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

157,600	CY	UNCLASSIFIED EXCAVATION
79,204	CY	UNDERCUT EXCAVATION
2,115,300	CY	BORROW EXCAVATION
269,500	TON	AGGREGATE BASE COURSE
110,110	GAL	PRIME COAT
58,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
15,450	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***
139,200	CY	UNCLASSIFIED EXCAVATION
63,756	CY	UNDERCUT EXCAVATION
2,200,500	CY	BORROW EXCAVATION
7,800	TON	AGGREGATE BASE COURSE
4,780	GAL	PRIME COAT
152,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
19,617	TON	ASPHALT BINDER FOR PLANT MIX

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

**CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1109+25.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1224+46.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1109+25.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1224+46.00-L-)
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-)
1,075	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
1,375.4	CY	CLASS A CONCRETE (CULVERT)
199,442	LB	REINFORCING STEEL (CULVERT)

**WALL ITEMS**

11,930	SF	SOLDIER PILE RETAINING WALLS
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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 ***** (1081+04.50-L-LT)
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)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (943+12.50-L-LT)
12	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1081+04.50-L-LT)
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)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (943+12.50-L-LT)
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-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1081+04.50-L-LT)
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)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (943+12.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (943+12.50-L-RT)
227,672	LB	REINFORCING STEEL (BRIDGE)
2,540.74	LF	45" PRESTRESSED CONCRETE GIRDERS
11,844.6	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
7,400	LF	HP12X53 STEEL PILES
4,885	LF	HP14X73 GALVANIZED STEEL PILES
1,160	LF	PP ** X **** GALVANIZED STEEL PILES (24 X 0.625)
2,400	LF	PP ** X **** GALVANIZED STEEL PILES (24X0.50)
6,384	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
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)
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				
			1,700 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
			15,300 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
			2,100 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			14,200 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			2,545 TON	ASPHALT BINDER FOR PLANT MIX
			29,600 LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
			336 CY	SUBDRAIN EXCAVATION
			1,000 SY	GEOTEXTILE FOR SUBSURFACE DRAINS
			168 CY	SUBDRAIN COARSE AGGREGATE
			1,000 LF	6" PERFORATED SUBDRAIN PIPE
			2 EA	SUBDRAIN PIPE OUTLET
			12 LF	6" OUTLET PIPE
			17.1 CY	ENDWALLS
			5 CY	REINFORCED ENDWALLS
			0.55 CY	PIPE COLLARS
			81 EA	MASONRY DRAINAGE STRUCTURES
			42.2 LF	MASONRY DRAINAGE STRUCTURES
			1 EA	FRAME WITH GRATE, STD 840.22
			38 EA	FRAME WITH TWO GRATES, STD 840.20
			28 EA	FRAME WITH TWO GRATES, STD 840.22
			2 EA	FRAME WITH COVER, STD 840.54
			14 EA	STEEL FRAME WITH TWO GRATES, STD 840.37
			9,400 LF	SHOULDER BERM GUTTER
			440 SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			200 LF	CONCRETE BARRIER, TYPE ***** (T-2)
			700 LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (T-2)
			1 EA	ADJUSTMENT OF DROP INLETS
			1 EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
			1 EA	IMPACT ATTENUATOR UNIT, TYPE 350
			11,300 LF	STEEL BM GUARDRAIL
			75 LF	STEEL BM GUARDRAIL, SHOP CURVED
			4 EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10 EA	ADDITIONAL GUARDRAIL POSTS
			1 EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
			5 EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			6 EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			8 EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
			28 EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			6,600 LF	CABLE GUIDERAIL
			10 EA	ADDITIONAL GUIDERAIL POSTS
			12 EA	CABLE GUIDERAIL ANCHOR UNITS
			10,400 LF	WOVEN WIRE FENCE, 47" FABRIC
			680 EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			140 EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			7,700 LF	CHAIN LINK FENCE, *** FABRIC (120")
			3,200 LF	CHAIN LINK FENCE, *** FABRIC (72")
			640 EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (120")
			270 EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)		
4	ACR	SUPPLEMENTARY CLEARING & GRUBBING		
5	EA	SEALING ABANDONED WELLS		
59,000	CY	UNCLASSIFIED EXCAVATION		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (317+50 -L-LT)		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (317+50 -L-RT)		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (398+75.47 -L-LT)		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (398+75.47 -L-RT)		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (425+60.75 -L-LT)		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (425+60.75 -L-RT)		
4,500	CY	UNDERCUT EXCAVATION		
2,240,000	CY	BORROW EXCAVATION		
4,700	CY	DRAINAGE DITCH EXCAVATION		
520	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT		
3,430	SY	BREAKING OF EXISTING ASPHALT PAVEMENT		
20	HR	PROOF ROLLING		
4,500	CY	SELECT GRANULAR MATERIAL		
12,200	SY	GEOTEXTILE FOR SOIL STABILIZATION		
16,400	SY	GENERIC GRADING ITEM GEOGRID FOR BRIDGE END SLOPES		
1,070	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		
3,350	SY	FOUNDATION CONDITIONING GEOTEXTILE		
2,828	LF	18" SIDE DRAIN PIPE		
144	LF	24" SIDE DRAIN PIPE		
38	EA	*** SIDE DRAIN PIPE ELBOWS (18")		
2	EA	*** SIDE DRAIN PIPE ELBOWS (24")		
400	LF	18" RC PIPE CULVERTS, CLASS III		
536	LF	24" RC PIPE CULVERTS, CLASS III		
128	LF	54" RC PIPE CULVERTS, CLASS III		
232	LF	***** RC PIPE CULVERTS, CLASS IV (48")		
3,208	LF	18" RC PIPE CULVERTS, CLASS IV		
72	LF	24" RC PIPE CULVERTS, CLASS IV		
136	LF	30" RC PIPE CULVERTS, CLASS IV		
1,212	LF	36" RC PIPE CULVERTS, CLASS IV		
320	LF	42" RC PIPE CULVERTS, CLASS IV		
148	LF	18" CS PIPE CULVERTS, 0.064" THICK		
2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")		
192	LF	PIPE REMOVAL		
Lump Sum	LS	FINE GRADING		
1,000	CY	SHALLOW UNDERCUT		
1,900	TON	CLASS IV SUBGRADE STABILIZATION		
6,250	TON	STABILIZER AGGREGATE		
67,700	TON	AGGREGATE BASE COURSE		
500	TON	INCIDENTAL STONE BASE		
288.75	GAL	PRIME COAT		
17,600	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		

40	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (120")
20	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")
100	LF	ADDITIONAL BARBED WIRE
2	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (120", 20', 20')
1	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (72", 20', 20')
30	TON	RIP RAP, CLASS I
1,410	TON	RIP RAP, CLASS B
4,600	SY	GEOTEXTILE FOR DRAINAGE
35	CY	REINFORCED CONCRETE SIGN FOUN- DATIONS
1	CY	PLAIN CONCRETE SIGN FOUNDA- TIONS
6,877	LB	SUPPORTS, BREAKAWAY STEEL BEAM
15,928	LB	SUPPORTS, SIMPLE STEEL BEAM
493	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
25	EA	SUPPORTS, 2-LB STEEL U-CHANNEL
1	EA	SIGN ERECTION, TYPE D
12	EA	SIGN ERECTION, TYPE E
7	EA	SIGN ERECTION, TYPE F
3	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (A)
2	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (B)
12	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
9	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
25	EA	SIGN ERECTION, MILEMARKERS
1	EA	SIGN ERECTION, OVERLAY (OVER- HEAD)
9	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)
5	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
5	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
7	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
208	SF	WORK ZONE SIGNS (STATIONARY)
410	SF	WORK ZONE SIGNS (PORTABLE)
68	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1	EA	FLASHING ARROW BOARD
1	EA	PORTABLE CHANGEABLE MESSAGE SIGN
100	EA	DRUMS
50	EA	CONES
184	LF	BARRICADES (TYPE III)
38	DAY	FLAGGER
1	EA	TMA
50	EA	SKINNY DRUM
368	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
378	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
160	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
12	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
77,841	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
2,446	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
647	EA	SNOWPLOWABLE PAVEMENT MARKERS
700	LF	8" WATER LINE
2	EA	8" VALVE
390	LF	16" ENCASEMENT PIPE
35,000	LF	TEMPORARY SILT FENCE
1,000	TON	STONE FOR EROSION CONTROL, CLASS A
5,000	TON	STONE FOR EROSION CONTROL, CLASS B
5,000	TON	SEDIMENT CONTROL STONE
100	ACR	TEMPORARY MULCHING
2,900	LB	SEED FOR TEMPORARY SEEDING
13.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
10,000	LF	TEMPORARY SLOPE DRAINS
11,000	LF	SAFETY FENCE
15,000	CY	SILT EXCAVATION
25,000	SY	MATTING FOR EROSION CONTROL
500	SY	COIR FIBER MAT
750	SY	PERMANENT SOIL REINFORCEMENT MAT
4,800	LF	1/4" HARDWARE CLOTH
150	SY	FLOATING TURBIDITY CURTAIN
4	EA	SPECIAL STILLING BASINS
350	LF	COIR FIBER WATTLE
275	LB	POLYACRYLAMIDE (PAM)
5,000	LF	COIR FIBER BAFFLE
5	EA	*** SKIMMER (1-1/2")
3	EA	*** SKIMMER (2")
150	ACR	SEEDING & MULCHING
50	ACR	MOWING
1,350	LB	SEED FOR REPAIR SEEDING
10.25	TON	FERTILIZER FOR REPAIR SEEDING
5,675	LB	SEED FOR SUPPLEMENTAL SEEDING
170	TON	FERTILIZER TOPDRESSING
40	MHR	SPECIALIZED HAND MOWING
125	EA	RESPONSE FOR EROSION CONTROL
5	ACR	REFORESTATION
10	ACR	GENERIC EROSION CONTROL ITEM COMPOST BLANKET
1,400	LF	SIGNAL CABLE
11	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
750	LF	UNPAVED TRENCHING (***** (1, 2")
30	LF	UNPAVED TRENCHING (***** (2, 2")
900	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
250	LF	DIRECTIONAL DRILL (***** (1, 2")
200	LF	DIRECTIONAL DRILL (***** (2, 2")
11	EA	JUNCTION BOX (STANDARD SIZE)
4	EA	WOOD POLE
6	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
4	EA	2" RISER WITH WEATHERHEAD
1,500	LF	INDUCTIVE LOOP SAWCUT
5,000	LF	LEAD-IN CABLE (***** (14-2)
1	EA	METAL POLE WITH SINGLE MAST ARM
1	EA	METAL POLE WITH DUAL MAST ARM
2	EA	SOIL TEST
14	CY	DRILLED PIER FOUNDATION
2	EA	MAST ARM WITH METAL POLE DE- SIGN
2	EA	SIGNAL CABINET FOUNDATION
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
10	EA	DETECTOR CARD (TYPE 2070L)
2	EA	CABINET BASE EXTENDER
<b>WALL ITEMS</b>		
15,039	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 1
4,729	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 2
8,463	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 3
<b>STRUCTURE ITEMS</b>		
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (353+32.50-L-LT)
45	EA	PDA TESTING
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					
			812	LF	36" RC PIPE CULVERTS, CLASS III
			76	LF	48" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	MOBILIZATION	16	LF	***** RC PIPE CULVERTS, CLASS IV (54")
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING	196	LF	***** RC PIPE CULVERTS, CLASS IV (66")
1,153,700	CY	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+83.53 -Y2-)	3,264	LF	15" RC PIPE CULVERTS, CLASS IV
			700	LF	18" RC PIPE CULVERTS, CLASS IV
			716	LF	24" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+81.21 -Y-)	92	LF	30" RC PIPE CULVERTS, CLASS IV
			460	LF	36" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (400+39.47 RT)	516	LF	15" CS PIPE CULVERTS, 0.064" THICK
			240	LF	18" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (400+49.43 LT)	32	LF	24" CS PIPE CULVERTS, 0.064" THICK
			92	LF	30" CS PIPE CULVERTS, 0.079" THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (7+68.14 -RPBY4-)	8	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
			6	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (8+29.75 -RPCY4-)	1	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")
			1	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (9+53.33 -RPAY4-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (9+75.28 -RPDY4-)			
79,496	CY	UNDERCUT EXCAVATION			
67,100	CY	BORROW EXCAVATION			
6	EA	EMBANKMENT SETTLEMENT GAUGES	749	LF	PIPE REMOVAL
4,880	CY	DRAINAGE DITCH EXCAVATION	Lump Sum	LS	FINE GRADING
2,600	LF	BERM DITCH CONSTRUCTION	107,500	SY	LIME TREATED SOIL (SLURRY METHOD)
17,130	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1,080	TON	LIME FOR LIME TREATED SOIL
			2,000	TON	STABILIZER AGGREGATE
70	HR	PROOF ROLLING	53,500	TON	AGGREGATE BASE COURSE
9,000	CY	SELECT GRANULAR MATERIAL	161,240	SY	SOIL CEMENT BASE
9,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	4,435	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
			40,310	GAL	ASPHALT CURING SEAL
3,960	SF	TEMPORARY SHORING	5,000	TON	INCIDENTAL STONE BASE
2,280	SY	REINFORCED SOIL SLOPES	2,007.11	GAL	PRIME COAT
4,100	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION @ -RPAY4- & -RPBY4-	820	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")
			1,230	SY	INCIDENTAL MILLING
1,400	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION @ -RPDY4-	51,180	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
			9,210	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
2,500	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	25,140	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
			11,100	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
6,650	SY	FOUNDATION CONDITIONING GEOTEXTILE	21,160	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			9,640	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
68	LF	*** SIDE DRAIN PIPE (12")	9,170	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
			6,850	TON	ASPHALT BINDER FOR PLANT MIX
56	LF	*** SIDE DRAIN PIPE (6")	600	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
			65,050	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
196	LF	15" SIDE DRAIN PIPE	129,700	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (12")
144	LF	18" SIDE DRAIN PIPE			
368	LF	24" SIDE DRAIN PIPE	129,700	SY	GENERIC PAVING ITEM DIAMOND GRINDING PORT CEM CONC PAVEMENT
372	LF	***** RC PIPE CULVERTS, CLASS (30", V)			
			Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
384	LF	***** RC PIPE CULVERTS, CLASS (48", V)			
			Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
244	LF	***** RC PIPE CULVERTS, CLASS (54", V)			
3,956	LF	15" RC PIPE CULVERTS, CLASS III			
1,428	LF	18" RC PIPE CULVERTS, CLASS III			
3,200	LF	24" RC PIPE CULVERTS, CLASS III			
1,916	LF	30" RC PIPE CULVERTS, CLASS III			

			4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)		
150	EA	RIGHT OF WAY MARKERS	6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350		
672	CY	SUBDRAIN EXCAVATION	22,440	LF	WOVEN WIRE FENCE, 47" FABRIC		
2,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	1,410	EA	4" TIMBER FENCE POSTS, 7'-6" LONG		
336	CY	SUBDRAIN COARSE AGGREGATE	360	EA	5" TIMBER FENCE POSTS, 8'-0" LONG		
2,000	LF	6" PERFORATED SUBDRAIN PIPE	16,850	LF	CHAIN LINK FENCE, 48" FABRIC		
4	EA	SUBDRAIN PIPE OUTLET	1,290	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE		
24	LF	6" OUTLET PIPE	170	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE		
20,120	LF	SHOULDER DRAIN	10	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (48")		
20,120	LF	4" SHOULDER DRAIN PIPE	6,050	LF	ADDITIONAL BARBED WIRE		
1,960	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	5	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 15', 15')		
6	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	1,190	TON	RIP RAP, CLASS I		
20	TON	BLOTTING SAND	970	TON	RIP RAP, CLASS B		
1	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	20,470	SY	GEOTEXTILE FOR DRAINAGE		
12	CY	ENDWALLS	4	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON		
11.3	CY	REINFORCED ENDWALLS	8	CY	REINFORCED CONCRETE SIGN FOUNDATIONS		
3,327	CY	PIPE COLLARS	300	CY	OVERHEAD FOOTING		
154	EA	MASONRY DRAINAGE STRUCTURES	6,900	LB	SUPPORTS, BREAKAWAY STEEL BEAM		
6.1	CY	MASONRY DRAINAGE STRUCTURES	4,385	LF	SUPPORTS, 3-LB STEEL U-CHANNEL		
181	LF	MASONRY DRAINAGE STRUCTURES	1	EA	SUPPORTS, BARRIER (LARGE)		
5	EA	FRAME WITH GRATE, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (A AT 50' SOUTH OF EXISTING STRUCTURE)		
9	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (B AT STA 184+50 -L-)		
12	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (C AT STA 212+00 -L-)		
64	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (D AT STA 64+75 -CD-)		
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (E AT STA 42+75 -Y7BB-)		
31	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (F AT 1340' EAST OF EXISTING STRUCTURE)		
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (G AT 3320' EAST OF OVERHEAD ASSEMBLY F)		
4	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (H AT STA 268+50 -L-)		
5	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (I AT STA 259+00 -L-)		
2	EA	*** SLUICE GATE (18")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (J AT STA 289+50 -L-)		
1	EA	*** SLUICE GATE (24")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (K AT STA 322+00 -L-)		
2	EA	*** SLUICE GATE (30")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (L AT STA 342+50 -L-)		
1	EA	*** SLUICE GATE (6")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (M AT STA 394+32.96 -L-)		
1	EA	GENERIC DRAINAGE ITEM 18" FLAP GATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (N AT STA 378+00 -L-)		
1	EA	GENERIC DRAINAGE ITEM 24" FLAP GATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (O AT STA 10+00 -RPCY4-)		
1	EA	GENERIC DRAINAGE ITEM 30" FLAP GATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (P AT STA 33+50 -Y4-)		
13,270	LF	2'-6" CONCRETE CURB & GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (Q AT STA 24+50 -Y4-)		
80	LF	SHOULDER BERM GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (R AT STA 26+50 -Y4-)		
2	EA	MODIFIED CONCRETE FLUME	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (S AT STA 16+50 -RPAY4-)		
4,280	LF	CONCRETE EXPRESSWAY GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (T AT STA 77+23 -RPBD-)		
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-1					
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III					
43	EA	GUARDRAIL ANCHOR UNITS, TYPE 350					
47	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77					
2,891	LF	REMOVE EXISTING GUARDRAIL					
1,112.5	LF	TEMPORARY STEEL BM GUARDRAIL					

			1,875	LF	PAINT PAVEMENT MARKING LINES (8")
			520	LF	PAINT PAVEMENT MARKING LINES (24")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (U AT 50' EAST OF EXISTING STRUCTURE)	2,432	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (V AT 50' EAST OF EXISTING STRUCTURE)	115,826	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (W AT 40' EAST OF EXISTING STRUCTURE)	809	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS)
			4,731	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
4	EA	SIGN ERECTION, TYPE D	59,196	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
138	EA	SIGN ERECTION, TYPE E			
6	EA	SIGN ERECTION, TYPE F			
75	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	250	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
			30	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
13	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	2,511	EA	SNOWPLOWABLE PAVEMENT MARKERS
			2	EA	100' HIGH MOUNT STANDARD
			1	EA	PORTABLE DRIVE UNIT
18	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	14	CY	HIGH MOUNT FOUNDATIONS
			12	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	1	EA	ELECTRIC SERVICE POLE **** ***** (30' CLASS 4)
38	EA	SIGN ERECTION, MILEMARKERS			
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED)	100	LF	ELECTRIC SERVICE LATERAL ***** (3, #1/0 USE)
8	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1	EA	LIGHT CONTROL EQUIPMENT, TYPE SP ***** (SSPM, 480/240 VAC)
8	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	430	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
48	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	50	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")
79	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	90	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")
4	EA	DISPOSAL OF SIGN, A, B OR C (GROUND MOUNTED)			
3	EA	DISPOSAL OF SIGN, D, E OR F			
33	EA	DISPOSAL OF LIGHTING SYSTEM			
33	EA	DISPOSAL OF WALKWAY			
390	SF	WORK ZONE SIGNS (STATIONARY)			
632	SF	WORK ZONE SIGNS (PORTABLE)	1,420	LF	** #8 W/G FEEDER CIRCUIT (2)
220	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	500	LF	** #4 W/G FEEDER CIRCUIT (2)
2	EA	FLASHING ARROW BOARD	1,160	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
354	EA	DRUMS			
136	LF	BARRICADES (TYPE III)	830	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")
3,820	HR	FLAGGER			
6	EA	TEMPORARY CRASH CUSHIONS	3	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
2	EA	TMA	4	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)
1,100	LF	PORTABLE CONCRETE BARRIER			
1,165	LF	PORTABLE CONCRETE BARRIER (ANCHORED)			
89	EA	TUBULAR MARKERS (FIXED)			
260	LF	GENERIC TRAFFIC CONTROL ITEM TEMPORARY PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	10	EA	UNDERPASS LUMINAIRES ***** (100W HPS PM)
1,279	EA	TEMPORARY RAISED PAVEMENT MARKERS	Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (UPL1)
8,654	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (UPL2)
15,256	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	165	LF	2" WATER LINE
33,815	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	20	LF	8" WATER LINE
2,885	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1,814	LF	12" WATER LINE
1,581	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	1,164	LF	16" WATER LINE
990	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	1	EA	8" VALVE
4,969	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	2	EA	12" VALVE
2,302	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	2	EA	16" VALVE
1,163	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	1	EA	6" TAPPING VALVE
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	2	EA	RELOCATE WATER METER
117	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	1	EA	RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY
4,940	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	6	EA	RELOCATE FIRE HYDRANT
136,588	LF	PAINT PAVEMENT MARKING LINES (4")	265	LF	8" SANITARY GRAVITY SEWER
			817	LF	12" SANITARY GRAVITY SEWER
			833	LF	18" SANITARY GRAVITY SEWER
			10	EA	SANITARY SEWER CLEAN-OUT
			11	EA	4' DIA UTILITY MANHOLE
			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" ENCASUREMENT PIPE
			560	LF	30" ENCASUREMENT 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)
132,474	LB	REINFORCING STEEL (CULVERT)

**WALL ITEMS**

12,700	SF	SOIL NAIL RETAINING WALLS
2	EA	SOIL NAIL VERIFICATION TESTS
25	EA	SOIL NAIL PROOF TESTS

			1,041.06	LF	1'***X ***** CONCRETE PARAPET (1'-2" X 2'-6")
			1,550	SY	4" SLOPE PROTECTION
500	LF	GENERIC RETAINING WALL ITEM CONC BARRIER RAIL WITH MOMENT SLAB	5,190	TON	RIP RAP CLASS II (2'-0" THICK)
			5,755	SY	GEOTEXTILE FOR DRAINAGE
2,900	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 1	Lump Sum	LS	POT BEARINGS
			Lump Sum	LS	ELASTOMERIC BEARINGS
2,700	SF	GENERIC RETAINING WALL ITEM MSE RETAINING WALL NO 3	Lump Sum	LS	FOAM JOINT SEALS
			Lump Sum	LS	EXPANSION JOINT SEALS
13,000	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL	Lump Sum	LS	MODULAR EXPANSION JOINT SEALS
			Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (407+73.35-L-LT)
			Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (407+85.82-L-RT)
			Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (6+01.72-RPBY4-)
			Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (6+23.25-RPCY4-)
			Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (9+53.33-RPAY4-)
			Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (9+75.28-RPDY4-)
			Lump Sum	LS	GENERIC STRUCTURE ITEM SOUND BARRIER WALL (BRIDGE MOUNTED)
			48.8	LF	GENERIC STRUCTURE ITEM COLUMN EXCAVATION
			12,439.4	LF	GENERIC STRUCTURE ITEM MOD 74" PRESTR CONC GIRDERS
<b>STRUCTURE ITEMS</b>					
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (407+73.35-L-LT)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 274+26.98-L-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 332+65.40-L-)			
135	LF	PILE EXCAVATION IN SOIL			
150	LF	PILE EXCAVATION NOT IN SOIL			
1,457.9	LF	***.**" DIA DRILLED PIERS IN SOIL (4'-6")			
7,233	LF	***.**" DIA DRILLED PIERS IN SOIL (5'-0")			
189	LF	3'-6" DIA DRILLED PIERS IN SOIL			
812	LF	***.**" DIA DRILLED PIERS NOT IN SOIL (4'-6")			
2,376	LF	***.**" DIA DRILLED PIERS NOT IN SOIL (5'-0")			
34	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL			
542	LF	PERMANENT STEEL CASING FOR ***.**" DIA DRILLED PIER (4'-6")			
1,461	LF	PERMANENT STEEL CASING FOR ***.**" DIA DRILLED PIER (5'-0")			
41	EA	SID INSPECTIONS			
45	EA	SPT TESTING			
46	EA	CSL TESTING			
674,074.226	SF	REINFORCED CONCRETE DECK SLAB			
615,923.952	SF	GROOVING BRIDGE FLOORS			
11,244.4	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (274+26.98-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (332+65.40-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (407+73.35-L-LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (407+85.82-L-RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (6+01.72-RPBY4-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (6+23.25-RPCY4-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (9+53.33-RPAY4-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (9+75.28-RPDY4-)			
3,565,669.036	LB	REINFORCING STEEL (BRIDGE)			
708,285	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
733.04	LF	54" PRESTRESSED CONCRETE GIRDERS			
35,138.96	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS			
13,667,000	LS	APPROX ..... LBS STRUCTURAL STEEL			
5,370	LF	HP12X53 STEEL PILES			
2,735	LF	HP14X73 STEEL PILES			
22	EA	STEEL PILE POINTS			
544.8	LF	TWO BAR METAL RAIL			
22,164.1	LF	CONCRETE BARRIER RAIL			



