



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

July 11, 2014

NOTICE TO: All Prequalified Contractors

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

SUBJECT: Broadcast of Raleigh Central Highway Letting

Effective with the July 15, 2014 Highway Letting the broadcast of the bid opening is changing to a new format. The new method will be broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

Go to [Raleigh Central Letting](#) and click on "Live Now" which will be available 15 minutes prior to Letting.

Manual process:

Go to www.livestream.com, click on the "Watch" button and then type NCDOT Raleigh Central Letting into the search events window. Select the Raleigh Central Letting event for the desired date. Click "Live Now" to listen to the audio after the event has started.

If you have any questions, please do not hesitate to contact me at (919) 707-6900.

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

TELEPHONE: 919-707-6900
FAX: 919-250-4119

WEBSITE: WWW.NCDOT.GOV

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

**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 NOVEMBER 18, 2014. 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 OCTOBER 21, 2014.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 14Jul2011)

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

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

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

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

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	John W Rouse, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Fussell, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Timothy M Little, PE	PO BOX 3165	WILSON	(252) 237-6164
00005	Joseph R Hopkins, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Gregory W Burns, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 487-0000
00008	Robert W Stone II, PE	902 N. SANDHILLS BLVD.	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	Reuben D Chandler, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Ed Green, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L141118

RPN	Contract Id	WBS	County	Length	JobType
001	C203358	35609.3.S2	MITCHELL, YANCEY	7.852 MI	GRADING, DRAINAGE, PAVING AND STRUCTURES.
*002	C203394	34745.3.S2	DURHAM	4.009 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
003	C203618	5CR.10321.28	ETC.DURHAM	25.280 MI	MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
004	C203497	39017.3.FD1	HARNETT	3.805 MI	GRADING, DRAINAGE, PAVING & SIGNALS.
005	C203599	45548.3.FR1	HARNETT	0.431 MI	GRADING, DRAINAGE, PAVING & RAIL CROSSING.
006	C203494	34352.2.S2	MONTGOMERY	6.651 MI	GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS & STRUCTURES.
007	C203493	38398.3.FD1	FORSYTH	0.189 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
008	C203495	42365.3.R1	MACON	0.148 MI	GRADING, DRAINAGE, PAVING AND SIGNING.

*PLEASE NOTE:

C203394, NOVEMBER RPN 002, DURHAM COUNTY HAD A MANDATORY PRE-BID CONFERENCE ON THURSDAY, SEPTEMBER 18, 2014. SEE PROJECT SPECIAL PROVISION CONTAINED IN THE PROJECT PROPOSAL.

C203394, NOVEMBER RPN 002, DURHAM COUNTY HAS A PRICE INCREASE OF \$200.00 FOR LARGE PLANS, \$60.00 FOR SMALL PLANS AND \$60.00 FOR CROSS SECTIONS.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L141118 001

CONTRACT ID : C203358 35609.3.S2

DIV OFFICE ASHEVILLE

LENGTH = 7.852 MI

COUNTY : MITCHELL, YANCEY

GRADING, DRAINAGE, PAVING AND STRUCTURES.

MBE GOAL 3.0% WBE 6.0% COMPLETION DATE : DEC 29 2019

US-19E FROM NC-80 IN YANCEY COUNTY TO MULTILANE SECTION WEST OF SPRUCE PINES IN MITCHELL COUNTY.

ROADWAY ITEMS					
			172	LF	***** RC PIPE CULVERTS, CLASS IV (54")
			80	LF	***** RC PIPE CULVERTS, CLASS IV (60")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING	10,412	LF	15" RC PIPE CULVERTS, CLASS IV
			656	LF	18" RC PIPE CULVERTS, CLASS IV
			1,096	LF	24" RC PIPE CULVERTS, CLASS IV
7	EA	SEALING ABANDONED WELLS	516	LF	30" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (122+22.50 -L- LT)	236	LF	36" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (122+22.50 -L- RT)	13	EA	*** PIPE END SECTION (15")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+03.57 -L- LT)	1	EA	*** PIPE END SECTION (18")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+15.62 -L- RT)	236	LF	*** CS PIPE CULVERTS, ***** THICK (12", 0.064")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+15.62 -L- RT)	432	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")
7,000	CY	UNDERCUT EXCAVATION	20	LF	*** CS PIPE CULVERTS, ***** THICK (54", 0.109")
3,080	SY	PRE-SPLITTING OF ROCK	116	LF	*** CS PIPE CULVERTS, ***** THICK (60", 0.138")
35,200	CY	DRAINAGE DITCH EXCAVATION	3,628	LF	15" CS PIPE CULVERTS, 0.064" THICK
3,960	LF	BERM DITCH CONSTRUCTION	1,416	LF	18" CS PIPE CULVERTS, 0.064" THICK
53,900	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1,592	LF	24" CS PIPE CULVERTS, 0.064" THICK
27,680	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	1,024	LF	30" CS PIPE CULVERTS, 0.079" THICK
70	HR	PROOF ROLLING	82	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064)
1,500	CY	SELECT GRANULAR MATERIAL	16	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064)
24,000	SY	GEOTEXTILE FOR SOIL STABILIZATION	34	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064)
18,300	SF	TEMPORARY SHORING	16	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079)
950	SY	REINFORCED SOIL SLOPES	10	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079)
2,200	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	116	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")
5,690	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	72	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.625")
17,890	SY	FOUNDATION CONDITIONING GEOTEXTILE	100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.625")
14	LF	*** SIDE DRAIN PIPE (12")	133	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54", 0.875")
2,748	LF	*** SIDE DRAIN PIPE (30")	116	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
852	LF	*** SIDE DRAIN PIPE (36")	72	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")
42	LF	*** SIDE DRAIN PIPE (42")	100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.625")
152	LF	*** SIDE DRAIN PIPE (48")	133	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.875")
20,362	LF	15" SIDE DRAIN PIPE	244	LF	GENERIC PIPE ITEM 54" WELDED STEEL PIPE LINER
4,032	LF	18" SIDE DRAIN PIPE	12,783	LF	PIPE REMOVAL
4,250	LF	24" SIDE DRAIN PIPE	Lump Sum	LS	FINE GRADING
76	LF	***** RC PIPE CULVERTS, CLASS ***** (54", V)	104,520	SY	LIME TREATED SOIL (SLURRY METHOD)
124	LF	***** RC PIPE CULVERTS, CLASS ***** (60", V)	1,050	TON	LIME FOR LIME TREATED SOIL
1,698	LF	15" RC PIPE CULVERTS, CLASS III	75	TON	#57 STONE
1,560	LF	18" RC PIPE CULVERTS, CLASS III	2,500	CY	SHALLOW UNDERCUT
1,694	LF	24" RC PIPE CULVERTS, CLASS III			
228	LF	30" RC PIPE CULVERTS, CLASS III			
712	LF	36" RC PIPE CULVERTS, CLASS III			
748	LF	42" RC PIPE CULVERTS, CLASS III			
224	LF	48" RC PIPE CULVERTS, CLASS III			
200	LF	54" RC PIPE CULVERTS, CLASS III			
52	LF	***** RC PIPE CULVERTS, CLASS IV (48")			

1,133	EA	SNOWPLOWABLE PAVEMENT MARKERS
100,000	LF	TEMPORARY SILT FENCE
10,000	TON	STONE FOR EROSION CONTROL, CLASS A
40,000	TON	STONE FOR EROSION CONTROL, CLASS B
20,000	TON	SEDIMENT CONTROL STONE
600	ACR	TEMPORARY MULCHING
26,300	LB	SEED FOR TEMPORARY SEEDING
107	TON	FERTILIZER FOR TEMPORARY SEEDING
20,000	LF	TEMPORARY SLOPE DRAINS
10,000	LF	SAFETY FENCE
161,700	CY	SILT EXCAVATION
642,890	SY	MATTING FOR EROSION CONTROL
2,625	SY	COIR FIBER MAT
22,800	SY	PERMANENT SOIL REINFORCEMENT MAT
10,000	LF	1/4" HARDWARE CLOTH
115	LF	*** TEMPORARY PIPE (15")
100	LF	*** TEMPORARY PIPE (72")
50	SY	FLOATING TURBIDITY CURTAIN
30	EA	SPECIAL STILLING BASINS
5,000	LF	COIR FIBER WATTLE
2,500	LF	WATTLE BARRIER
7,850	LB	POLYACRYLAMIDE (PAM)
46,580	LF	COIR FIBER BAFFLE
162	EA	*** SKIMMER (1-1/2")
12	EA	*** SKIMMER (2")
1	EA	*** SKIMMER (3")
400	ACR	SEEDING & MULCHING
200	ACR	MOWING
6,000	LB	SEED FOR REPAIR SEEDING
21	TON	FERTILIZER FOR REPAIR SEEDING
10,025	LB	SEED FOR SUPPLEMENTAL SEEDING
300	TON	FERTILIZER TOPDRESSING
2,800	LF	IMPERVIOUS DIKE
160	MHR	SPECIALIZED HAND MOWING
150	EA	RESPONSE FOR EROSION CONTROL
2,700	CY	CULVERT DIVERSION CHANNEL
31	ACR	REFORESTATION
4.62	ACR	STREAMBANK REFORESTATION
Lump Sum	LS	GENERIC EROSION CONTROL ITEM DIVERSION PUMPING FOR MITIGATION
Lump Sum	LS	GENERIC EROSION CONTROL ITEM GRADING FOR MITIGATION
Lump Sum	LS	GENERIC EROSION CONTROL ITEM SURVEYING FOR MITIGATION
75	TON	GENERIC EROSION CONTROL ITEM AERIAL FERTILIZER TOPDRESSING

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

2,002,500	CY	UNCLASSIFIED EXCAVATION
93,500	TON	AGGREGATE BASE COURSE
58,000	CY	SHOULDER BORROW
4,125	GAL	PRIME COAT
30,000	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
8,345	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***
1,989,600	CY	UNCLASSIFIED EXCAVATION
5,330	TON	AGGREGATE BASE COURSE
45,400	CY	SHOULDER BORROW
3,810	GAL	PRIME COAT
61,000	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
9,710	TON	ASPHALT BINDER FOR PLANT MIX

*** END SCHEDULE AA ***

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (11+07.96-Y34-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+80.45-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+90.30-Y17-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (155+44.57-L-)

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (319+76.16-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (323+58.66-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (327+50.47-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (345+98.42-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (44+1.92-L-)
1,435	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
2,426.6	CY	CLASS A CONCRETE (CULVERT)
292,752	LB	REINFORCING STEEL (CULVERT)

WALL ITEMS

6,700	SF	MSE RETAINING WALL NO **** (1)
2,300	SF	MSE RETAINING WALL NO **** (2)
2,400	SF	MSE RETAINING WALL NO **** (5)
2,625	SF	MSE RETAINING WALL NO **** (6)
1,800	SF	MSE RETAINING WALL NO **** (7)
3,700	SF	SOIL NAIL RETAINING WALLS
6,250	SF	SOLDIER PILE RETAINING WALLS
2	EA	SOIL NAIL VERIFICATION TESTS
8	EA	SOIL NAIL PROOF TESTS
2,175	LF	GENERIC STRUCTURE ITEM CONC BARRIER RAIL WITH MOMENT SLAB

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (122+22.50-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (122+22.50-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+11.31-L-RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (247+87.50-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (247+87.50-L-RT)
192	LF	***,***" DIA DRILLED PIERS IN SOIL (4'-6")
134	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (4'-6")
117.6	LF	PERMANENT STEEL CASING FOR ***,***" DIA DRILLED PIER (4'-6")
6	EA	PDA TESTING
8	EA	SID INSPECTIONS
8	EA	SPT TESTING
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (122+22.50-L-LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (122+22.50-L-RT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (247+87.50-L-LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (247+87.50-L-RT)
49,338	SF	REINFORCED CONCRETE DECK SLAB
50,754	SF	GROOVING BRIDGE FLOORS
753.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (122+22.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (122+22.50-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+11.31-L-LT)

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+11.31-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (247+87.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (247+87.50-L-RT)
164,893	LB	REINFORCING STEEL (BRIDGE)
13,665	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
795,200	LS	APPROX LBS STRUCTURAL STEEL
1,103	LF	HP12X53 STEEL PILES
5,300	LF	HP14X73 STEEL PILES
47	EA	PILE REDRIVES
2,674.76	LF	CONCRETE BARRIER RAIL
1,276	SY	4" SLOPE PROTECTION
400	TON	RIP RAP, CLASS B
1,897	TON	RIP RAP CLASS II (2'-0" THICK)
2,970	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (122+22.50-L-LT)
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (122+22.50-L-RT)
3,783.26	LF	GENERIC STRUCTURE ITEM 74" MOD PRESTR CONC GDRS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L141118 002

CONTRACT ID : C203394 34745.3.S2

DIV OFFICE DURHAM

LENGTH = 4.009 MI

COUNTY : DURHAM

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

MBE GOAL 6.0% WBE 7.0% COMPLETION DATE : JAN 10 2020

EAST END CONNECTOR FROM NORTH OF NC-98 TO NC-147 (BUCK DEAN FREEWAY) IN DURHAM.

ROADWAY ITEMS					
		32	LF	*** SIDE DRAIN PIPE (48")	
		5,232	LF	15" SIDE DRAIN PIPE	
		1,440	LF	18" SIDE DRAIN PIPE	
		1,568	LF	24" SIDE DRAIN PIPE	
		26	EA	*** SIDE DRAIN PIPE ELBOWS (15")	
		6	EA	*** SIDE DRAIN PIPE ELBOWS (18")	
		6	EA	*** SIDE DRAIN PIPE ELBOWS (24")	
		4	EA	*** SIDE DRAIN PIPE ELBOWS (30")	
Lump Sum	LS			MOBILIZATION	
Lump Sum	LS			CONSTRUCTION SURVEYING	
Lump Sum	LS			GENERIC MISCELLANEOUS ITEM CONTROL OF VIBRATION	
	750	HR		GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION-STANDARD	
	250	HR		GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION-VACUUM	
Lump Sum	LS			CLEARING & GRUBBING .. ACRE(S)	
	5	ACR		SUPPLEMENTARY CLEARING & GRUBBING	
	4	EA		SEALING ABANDONED WELLS	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (125+85.60 -L- EB)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (126+08.04 -L- WB)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (139+64.19 -LDFEB-)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+19.55 -DFLW-)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+52.61 -Y7-)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+58.00 -DFLY-)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (32+27.49 -Y4-)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (34+62.88 -DFEB-)	
Lump Sum	LS			REINFORCED BRIDGE APPROACH FILL, STATION ***** (36+69.26 -DFWB-)	
Lump Sum	LS			BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (24+70.18-DFWB-)	
Lump Sum	LS			BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (28+46.38 -RRDET-)	
	7,200	CY		UNDERCUT EXCAVATION	
	61,100	CY		DRAINAGE DITCH EXCAVATION	
	1,710	LF		BERM DITCH CONSTRUCTION	
	80,100	SY		REMOVAL OF EXISTING ASPHALT PAVEMENT	
	67,450	SY		REMOVAL OF EXISTING CONCRETE PAVEMENT	
	12,210	SY		BREAKING OF EXISTING ASPHALT PAVEMENT	
	7,800	SY		BREAKING OF EXISTING CONCRETE PAVEMENT	
	100	HR		PROOF ROLLING	
	6,000	CY		SELECT GRANULAR MATERIAL	
	35,200	SY		GEOTEXTILE FOR SOIL STABILIZATION	
	20,884	SF		TEMPORARY SHORING	
	1,700	SY		ROCK PLATING	
	2,100	CY		GENERIC GRADING ITEM CLAY CORE	
	1,500	TON		GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	
	5,480	TON		FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	
	17,220	SY		FOUNDATION CONDITIONING GEOTEXTILE	
	20	CY		GENERIC DRAINAGE ITEM FILTER DIAPHRAGM	
	280	LF		*** SIDE DRAIN PIPE (30")	
	144	LF		*** SIDE DRAIN PIPE (36")	
				*** RC PIPE CULVERTS, CLASS ***** (18", V)	
				*** RC PIPE CULVERTS, CLASS ***** (30", V)	
				*** RC PIPE CULVERTS, CLASS ***** (36", V)	
				15" RC PIPE CULVERTS, CLASS III	
				18" RC PIPE CULVERTS, CLASS III	
				24" RC PIPE CULVERTS, CLASS III	
				30" RC PIPE CULVERTS, CLASS III	
				36" RC PIPE CULVERTS, CLASS III	
				42" RC PIPE CULVERTS, CLASS III	
				48" RC PIPE CULVERTS, CLASS III	
				54" RC PIPE CULVERTS, CLASS III	
				60" RC PIPE CULVERTS, CLASS III	
				66" RC PIPE CULVERTS, CLASS III	
				*** RC PIPE CULVERTS, CLASS IV (48")	
				*** RC PIPE CULVERTS, CLASS IV (54")	
				15" RC PIPE CULVERTS, CLASS IV	
				18" RC PIPE CULVERTS, CLASS IV	
				24" RC PIPE CULVERTS, CLASS IV	
				30" RC PIPE CULVERTS, CLASS IV	
				36" RC PIPE CULVERTS, CLASS IV	
				*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	
				*** CS PIPE CULVERTS, ***** THICK (48", 0.109")	
				*** CS PIPE CULVERTS, ***** THICK (60", 0.138")	
				15" CS PIPE CULVERTS, 0.064" THICK	
				18" CS PIPE CULVERTS, 0.064" THICK	
				24" CS PIPE CULVERTS, 0.064" THICK	
				*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	
				*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	
				*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (24", 0.500")	

			20	TON	BLOTTING SAND		
			25	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		
178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	48.2	CY	ENDWALLS		
58	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (60", 0.875")	45.7	CY	REINFORCED ENDWALLS		
155	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.875")	6.681	CY	PIPE COLLARS		
228	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")	0.5	CY	PIPE PLUGS		
178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	220.3	CY	FLOWABLE FILL		
58	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.875")	444	EA	MASONRY DRAINAGE STRUCTURES		
155	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.875")	42.731	CY	MASONRY DRAINAGE STRUCTURES		
14,350	LF	PIPE REMOVAL	386.1	LF	MASONRY DRAINAGE STRUCTURES		
160	SY	6" SLOPE PROTECTION	19	EA	FRAME WITH GRATE, STD 840.22		
Lump Sum	LS	FINE GRADING	19	EA	FRAME WITH TWO GRATES, STD 840.33		
195,830	SY	LIME TREATED SOIL (SLURRY METHOD)	8	EA	FRAME WITH TWO GRATES, STD 840.16		
1,960	TON	LIME FOR LIME TREATED SOIL	112	EA	FRAME WITH TWO GRATES, STD 840.20		
4,500	CY	SHALLOW UNDERCUT	172	EA	FRAME WITH TWO GRATES, STD 840.22		
9,000	TON	CLASS IV SUBGRADE STABILIZATION	5	EA	FRAME WITH TWO GRATES, STD 840.24		
500	TON	STABILIZER AGGREGATE	6	EA	FRAME WITH TWO GRATES, STD 840.29		
121,000	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)		
130,560	SY	SOIL CEMENT BASE	31	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)		
3,591	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	41	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		
48,960	GAL	ASPHALT CURING SEAL	35	EA	FRAME WITH COVER, STD 840.54		
3,200	TON	INCIDENTAL STONE BASE	10	EA	STEEL FRAME WITH TWO GRATES, STD 840.37		
4,235	GAL	PRIME COAT	2	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET		
2,160	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	4	EA	*** SLUICE GATE (8")		
3,740	SY	INCIDENTAL MILLING	18	LF	GENERIC DRAINAGE ITEM 4" PERFORATED OR SLOTTED DRAIN PIPE WITH GEOTEXTILE SOCK		
22,310	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	50	LF	GENERIC DRAINAGE ITEM 4" SOLID DRAIN PIPE		
20,730	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	640	LF	***X*** CONCRETE CURB (8" X 18")		
89,030	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	840	LF	***X*** CONCRETE CURB (9" X 18")		
21,430	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	650	LF	1'-6" CONCRETE CURB & GUTTER		
68,910	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	19,370	LF	2'-6" CONCRETE CURB & GUTTER		
5,470	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	12,121	LF	SHOULDER BERM GUTTER		
10	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	3,870	LF	CONCRETE EXPRESSWAY GUTTER		
1,100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	7,720	SY	4" CONCRETE SIDEWALK		
140	TON	ULTRA-THIN BONDED WEARING COURSE	110	EA	CONCRETE CURB RAMP		
3,960	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT	1,130	SY	6" CONCRETE DRIVEWAY		
96,380	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	1,010	SY	4" CONCRETE PAVED DITCH		
65,200	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (12")	45	SY	4" CONCRETE ISLAND COVER		
2,000	SY	***** PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (12")	3,110	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)		
2,477	SY	***** PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (12")	160	LF	CONCRETE BARRIER, TYPE ***** (IV)		
120	LF	GENERIC PAVING ITEM PEDESTRIAN SAFETY RAIL	6	EA	CONCRETE BARRIER TRANSITION SECTION		
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	540	LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (II)		
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	2,800	LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (III)		
282	EA	RIGHT OF WAY MARKERS	7,400	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		
7,680	CY	SUBDRAIN EXCAVATION	864	SY	GENERIC PAVING ITEM 8" CONCRETE TRUCK APRON		
3,840	CY	SUBDRAIN FINE AGGREGATE	410	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION		
22,850	LF	6" PERFORATED SUBDRAIN PIPE	5	EA	ADJUSTMENT OF DROP INLETS		
46	EA	SUBDRAIN PIPE OUTLET	85	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES		
276	LF	6" OUTLET PIPE	1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX		
21,300	LF	SHOULDER DRAIN	9	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE		
21,300	LF	4" SHOULDER DRAIN PIPE	6	EA	GENERIC DRAINAGE ITEM CONVERT EXT CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX W/ MANHOLE		
1,100	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	10	EA	IMPACT ATTENUATOR UNIT, TYPE 350		
15	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	40,750	LF	STEEL BM GUARDRAIL		
			100	LF	STEEL BM GUARDRAIL, SHOP CURVED		
			8	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS		

			665	CY	OVERHEAD FOOTING
			9,483	LB	SUPPORTS, BREAKAWAY STEEL BEAM
			4,960	LB	SUPPORTS, SIMPLE STEEL BEAM
50	EA	ADDITIONAL GUARDRAIL POSTS	7,315	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
7	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III-MOD)	26	EA	SUPPORTS, 2-LB STEEL U-CHANNEL
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	15	EA	SUPPORTS, BARRIER (LARGE)
36	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 1+40)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 20+50)
54	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 36+00)
5	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 59+00)
50	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
24,827	LF	REMOVE EXISTING GUARDRAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFLW- STA 45+70)
4,850	LF	REMOVE EXISTING GUIDERAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
6,550	LF	TEMPORARY STEEL BM GUARDRAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFLW- STA 59+00)
6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFLW- STA 69+00)
3	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFWB- STA 26+85)
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFWB- STA 38+05)
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 114+02)
360	LF	CABLE GUIDERAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
12,670	LF	DOUBLE FACED CABLE GUIDERAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
40	EA	ADDITIONAL GUIDERAIL POSTS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 124+15)
21	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 127+40)
23,600	LF	WOVEN WIRE FENCE, 47" FABRIC	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 136+85)
1,510	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 14+31)
400	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
4,100	LF	CHAIN LINK FENCE, *** FABRIC (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 62+33)
300	LF	CHAIN LINK FENCE, *** FABRIC (96")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 82+00)
6,100	LF	CHAIN LINK FENCE, 48" FABRIC	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 84+58)
360	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 90+98)
30	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (96")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-LDFEB- STA 188+92)
550	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y1- STA 30+48)
50	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y1- STA 35+42)
4	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (96")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
40	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
4	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
500	LF	ADDITIONAL BARBED WIRE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
4	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (47", 12', 12')	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
350	LF	GENERIC FENCING ITEM BLACK VINYL COATED CHAIN LINK FENCE, 48" FABRIC	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
1	EA	GENERIC FENCING ITEM DOUBLE CATTLE GATE (47" HIGH, 10' WIDE, 20' OPENING)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
2	EA	GENERIC FENCING ITEM DOUBLE CATTLE GATE (60" HIGH, 10' WIDE, 20' OPENING)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
900	LF	RELAPPING GUARDRAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
14,575	TON	RIP RAP, CLASS I	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y2- STA 22+15)
3,800	TON	RIP RAP, CLASS II	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA *****
47,875	SY	GEOTEXTILE FOR DRAINAGE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y3- STA 41+34)
14	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y3- STA 53+60)
2,600	TON	AGGREGATE BASE COURSE (SUB-BALLAST)	26	EA	SIGN ERECTION, TYPE D
500	TF	RAILROAD TRACK TO BE CONSTRUCTED	313	EA	SIGN ERECTION, TYPE E
1,790	TF	RAILROAD TRACK TO BE REMOVED	40	EA	SIGN ERECTION, TYPE F
1,071	TF	RAILROAD DETOUR TRACK TO BE CONSTRUCTED & REMOVED	7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
14	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	8	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
4	CY	PLAIN CONCRETE SIGN FOUNDATIONS			

			1,695	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			103	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			236	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
19	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)			
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)			
26	EA	SIGN ERECTION, MILEMARKERS			
6	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)			
5	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)			
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)			
10	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)			
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (LOGO TRAILBLAZER)			
10	EA	DISPOSAL OF SUPPORT, STEEL BEAM			
1	EA	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE			
3	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD			
10	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM			
150	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
10	EA	DISPOSAL OF SUPPORT, U-CHANNEL			
12	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)			
3	EA	DISPOSAL OF LIGHTING SYSTEM			
3	EA	DISPOSAL OF WALKWAY			
1	EA	GENERIC SIGNING ITEM DMS ACCESS LADDER			
1	EA	GENERIC SIGNING ITEM DMS PEDESTAL STRUCTURE			
Lump Sum	LS	GENERIC SIGNING ITEM INSTALL DMS & EQUIPMENT CABINET			
Lump Sum	LS	GENERIC SIGNING ITEM REMOVE EXISTING DMS			
3,577	SF	WORK ZONE SIGNS (STATIONARY)			
1,136	SF	WORK ZONE SIGNS (PORTABLE)			
384	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
8	EA	FLASHING ARROW BOARD			
8	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
670	EA	DRUMS			
100	EA	CONES			
784	LF	BARRICADES (TYPE III)			
280	DAY	FLAGGER			
16	EA	TEMPORARY CRASH CUSHIONS			
26	EA	RESET TEMPORARY CRASH CUSHION			
6	EA	TMA			
39,100	LF	PORTABLE CONCRETE BARRIER			
1,000	LF	PORTABLE CONCRETE BARRIER (ANCHORED)			
51,000	LF	RESET PORTABLE CONCRETE BARRIER			
1,000	LF	RESET PORTABLE CONCRETE BARRIER (ANCHORED)			
2,914	LF	WATER FILLED BARRIER			
2,746	HR	LAW ENFORCEMENT			
285	EA	SKINNY DRUM			
10	EA	TUBULAR MARKERS (FIXED)			
1,750	LF	MOVABLE CONCRETE BARRIER			
1,200	LF	RESET MOVABLE CONCRETE BARRIER			
1	EA	TRANSFER & TRANSPORT VEHICLE			
3,873	EA	TEMPORARY RAISED PAVEMENT MARKERS			
23,485	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
46,770	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
107,955	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)			
19,215	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)			
2,005	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
2,715	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
14,115	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
5,965	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)			
			1,695	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			103	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			236	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			540	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
			1,170	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
			10,844	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
			43,956	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
			1,135	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (II)
			59	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (II)
			21	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
			5	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
			499,157	LF	PAINT PAVEMENT MARKING LINES (4")
			78,568	LF	PAINT PAVEMENT MARKING LINES (6")
			58,578	LF	PAINT PAVEMENT MARKING LINES (8")
			405	LF	PAINT PAVEMENT MARKING LINES (12")
			2,314	LF	PAINT PAVEMENT MARKING LINES (24")
			76	EA	PAINT PAVEMENT MARKING CHARACTER
			268	EA	PAINT PAVEMENT MARKING SYMBOL
			46,381	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
			9,845	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
			65,343	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			3,325	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
			1,730	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
			398	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
			12	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
			197	EA	PERMANENT RAISED PAVEMENT MARKERS
			4,487	EA	SNOWPLOWABLE PAVEMENT MARKERS
			13	EA	7' U-CHANNEL POSTS
			13	EA	OBJECT MARKERS (END OF ROAD)
			4	EA	80' HIGH MOUNT STANDARD
			9	EA	100' HIGH MOUNT STANDARD
			3	EA	120' HIGH MOUNT STANDARD
			1	EA	PORTABLE DRIVE UNIT
			110	CY	HIGH MOUNT FOUNDATIONS
			32	EA	HIGH MOUNT LUMINAIRES ***** (400W HPS)
			78	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
			3	EA	ELECTRIC SERVICE POLE ***** (30FT, CLASS 4)
			300	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
			3	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
			1,015	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
			285	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")
			270	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")
			130	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
			445	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")

			87	LF	TRENCHLESS INSTALLATION OF *** NOT IN SOIL (48")	
60	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (6")	212	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL	
1,085	LF	** #8 W/G FEEDER CIRCUIT (2)	211	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL	
420	LF	** #6 W/G FEEDER CIRCUIT (2)	36	LF	TRENCHLESS INSTALLATION OF 36" IN SOIL	
1,155	LF	** #4 W/G FEEDER CIRCUIT (2)	36	LF	TRENCHLESS INSTALLATION OF 36" NOT IN SOIL	
540	LF	** #2 W/G FEEDER CIRCUIT (2)	1	EA	GENERIC UTILITY ITEM ABANDON/REMOVE SEWER LIFT STATION	
3,045	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	150,000	LF	TEMPORARY SILT FENCE	
2,045	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	3,000	TON	STONE FOR EROSION CONTROL, CLASS A	
6,880	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	30,000	TON	STONE FOR EROSION CONTROL, CLASS B	
2,850	LF	** #2 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	50,000	TON	SEDIMENT CONTROL STONE	
32	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)	500	ACR	TEMPORARY MULCHING	
6	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)	10,000	LB	SEED FOR TEMPORARY SEEDING	
5	EA	ELECTRICAL JUNCTION BOXES ***** (PC36)	50	TON	FERTILIZER FOR TEMPORARY SEEDING	
6	EA	UNDERPASS LUMINARIES ***** (150W HPS, TYPE WM)	30,000	LF	TEMPORARY SLOPE DRAINS	
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (HOLLOWAY STREET, UPL-1)	10,000	LF	SAFETY FENCE	
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (HOLLOWAY STREET, UPL-2)	112,370	CY	SILT EXCAVATION	
Lump Sum	LS	PORTABLE LIGHTING	285,890	SY	MATTING FOR EROSION CONTROL	
Lump Sum	LS	GENERIC LIGHTING ITEM ELECTRICAL CONDUIT SYSTEM AT ANGIER AVENUE, ECS-3	5,000	SY	COIR FIBER MAT	
23	CY	CLASS B CONCRETE FOR ENCASING UTILITY LINES	20,185	SY	PERMANENT SOIL REINFORCEMENT MAT	
1,117	LF	6" WATER LINE	40,000	LF	1/4" HARDWARE CLOTH	
2,103	LF	8" WATER LINE	500	LF	TEMPORARY PIPE FOR STREAM CROSSING	
2,112	LF	12" WATER LINE	700	CY	STILLING BASINS	
11	LF	16" WATER LINE	30,000	LF	COIR FIBER WATTLE	
26	LF	20" WATER LINE	20,000	LB	POLYACRYLAMIDE (PAM)	
656	LF	30" WATER LINE	15,000	LF	COIR FIBER BAFFLE	
1	EA	6" VALVE	38	EA	*** SKIMMER (1-1/2")	
5	EA	8" VALVE	18	EA	*** SKIMMER (2")	
9	EA	12" VALVE	4	EA	*** SKIMMER (2-1/2")	
1	EA	16" VALVE	2	EA	*** SKIMMER (3")	
1	EA	20" VALVE	1	EA	*** SKIMMER (4")	
1	EA	6" TAPPING VALVE	1	EA	*** SKIMMER (6")	
1	EA	8" TAPPING VALVE	500	ACR	SEEDING & MULCHING	
1	EA	2" BLOW OFF	250	ACR	MOWING	
41	EA	RELOCATE WATER METER	3,400	LB	SEED FOR REPAIR SEEDING	
1	EA	RECONNECT WATER METER	12	TON	FERTILIZER FOR REPAIR SEEDING	
4	EA	FIRE HYDRANT	6,625	LB	SEED FOR SUPPLEMENTAL SEEDING	
13	EA	RELOCATE FIRE HYDRANT	200	TON	FERTILIZER TOPDRESSING	
6,501	LF	8" SANITARY GRAVITY SEWER	200	LF	IMPERVIOUS DIKE	
1,562	LF	12" SANITARY GRAVITY SEWER	220	MHR	SPECIALIZED HAND MOWING	
606	LF	16" SANITARY GRAVITY SEWER	125	EA	RESPONSE FOR EROSION CONTROL	
2	EA	*** DIA UTILITY MANHOLE (7')	1,000	CY	CULVERT DIVERSION CHANNEL	
29	EA	4' DIA UTILITY MANHOLE	6	ACR	REFORESTATION	
5	EA	5' DIA UTILITY MANHOLE	20	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	
12.2	LF	UTILITY MANHOLE WALL, *** DIA (7')	10	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	
120	LF	UTILITY MANHOLE WALL, 4' DIA	7	ACR	GENERIC EROSION CONTROL ITEM COMPOST BLANKET	
66	LF	UTILITY MANHOLE WALL, 5' DIA	32	EA	PEDESTRIAN SIGNAL HEAD (***, ** SECTION) (16", 1 SECTION W/ COUNTDOWN & PUSHBUTTON INDICATOR LIGHT)	
12,493	LF	ABANDON 8" UTILITY PIPE	28,680	LF	SIGNAL CABLE	
2,221	LF	ABANDON 12" UTILITY PIPE	124	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	
1,169	LF	ABANDON 16" UTILITY PIPE	10	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	
669	LF	ABANDON 20" UTILITY PIPE	8	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)	
23	EA	REMOVE WATER METER	8,570	LF	MESSENGER CABLE (1/4")	
4	EA	REMOVE FIRE HYDRANT	4,970	LF	MESSENGER CABLE (3/8")	
16	EA	ABANDON UTILITY MANHOLE	12,400	LF	TRACER WIRE	
33	EA	REMOVE UTILITY MANHOLE	50	LF	PAVED TRENCHING (***** (1, 2"))	
508	LF	*** ENCASEMENT PIPE (48")	2,065	LF	UNPAVED TRENCHING (***** (1, 2"))	
1,792	LF	16" ENCASEMENT PIPE	10,185	LF	UNPAVED TRENCHING (***** (2, 2"))	
1,621	LF	24" ENCASEMENT PIPE	4,675	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN	
310	LF	36" ENCASEMENT PIPE	1,090	LF	DIRECTIONAL DRILL (***** (1, 2"))	
87	LF	TRENCHLESS INSTALLATION OF *** IN SOIL (48")	2,720	LF	DIRECTIONAL DRILL (***** (2, 2"))	

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

27	EA	JUNCTION BOX (STANDARD SIZE)	1,473,400	CY	UNCLASSIFIED EXCAVATION
82	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	1,272,800	CY	BORROW EXCAVATION
33	EA	WOOD POLE	205,300	TON	AGGREGATE BASE COURSE
82	EA	GUY ASSEMBLY	97,430	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
3	EA	1/2" RISER WITH WEATHERHEAD	16,260	TON	ASPHALT BINDER FOR PLANT MIX
7	EA	1" RISER WITH WEATHERHEAD			*** OR ***
36	EA	2" RISER WITH WEATHERHEAD	1,457,400	CY	UNCLASSIFIED EXCAVATION
16	EA	2" RISER WITH HEAT SHRINK TUBING	1,288,500	CY	BORROW EXCAVATION
18,060	LF	INDUCTIVE LOOP SAWCUT	116,100	TON	AGGREGATE BASE COURSE
49,860	LF	LEAD-IN CABLE (*****) (14-2)	144,870	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
8,440	LF	COMMUNICATIONS CABLE (**FIBER) (12)	18,350	TON	ASPHALT BINDER FOR PLANT MIX

*** END SCHEDULE AA ***

CULVERT ITEMS

4,600	LF	DROP CABLE			
11	EA	SPLICE ENCLOSURE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (34+45.00-Y3-)
11	EA	INTERCONNECT CENTER			
4	EA	FIBER-OPTIC TRANSDUCER, SELF-HEALING RING	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (133+41.46-L-)
48	EA	DELINEATOR MARKER	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (19+07.28-Y4-)
2	EA	FIBER-OPTIC SPLICE CABINET (BASE MOUNTED)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (34+45.00-Y3-)
5	EA	900MHZ RADIO	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (95+48.49-L-)
11	EA	NEW ELECTRICAL SERVICE			
19,210	LF	REMOVE EXISTING COMMUNICATIONS CABLE	1,296	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
7	EA	CABLE TRANSFER	1,935.7	CY	CLASS A CONCRETE (CULVERT)
8	EA	METAL STRAIN SIGNAL POLE	204,497	LB	REINFORCING STEEL (CULVERT)
2	EA	METAL POLE WITH SINGLE MAST ARM			
4	EA	METAL POLE WITH DUAL MAST ARM			

WALL ITEMS

134	CY	DRILLED PIER FOUNDATION	1,710	SF	MSE RETAINING WALL NO **** (11)
8	EA	METAL STRAIN POLE DESIGN	2,300	SF	MSE RETAINING WALL NO **** (12)
6	EA	MAST ARM WITH METAL POLE DESIGN	6,700	SF	MSE RETAINING WALL NO **** (13)
51	EA	SIGN FOR SIGNALS	7,650	SF	MSE RETAINING WALL NO **** (14)
2	EA	TYPE I POST WITH FOUNDATION	2,800	SF	MSE RETAINING WALL NO **** (15)
13	EA	TYPE II PEDESTAL WITH FOUNDATION	7,050	SF	MSE RETAINING WALL NO **** (16)
9	EA	SIGNAL CABINET FOUNDATION	14,700	SF	MSE RETAINING WALL NO **** (17)
78	EA	DETECTOR CARD (TYPE 170)	5,730	SF	MSE RETAINING WALL NO **** (1-A)
7	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	4,440	SF	MSE RETAINING WALL NO **** (1-B)
7	EA	CABINET BASE EXTENDER	5,020	SF	MSE RETAINING WALL NO **** (2)
3	EA	TRAFFIC SIGNAL REMOVAL	3,740	SF	MSE RETAINING WALL NO **** (3)
3	EA	METAL POLE FOUNDATION REMOVAL	11,180	SF	MSE RETAINING WALL NO **** (4)
3	EA	METAL POLE REMOVAL	8,710	SF	MSE RETAINING WALL NO **** (5)
2	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY	3,880	SF	MSE RETAINING WALL NO **** (6)
1	EA	GENERIC SIGNAL ITEM CCTV CAMERA LOWERING SYSTEM	13,650	SF	MSE RETAINING WALL NO **** (7)
2	EA	GENERIC SIGNAL ITEM CCTV EQUIPMENT REMOVAL	6,950	SF	SOIL NAIL RETAINING WALLS
1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE 50'	710	SF	SOLDIER PILE RETAINING WALLS
1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE 70'	3	EA	SOIL NAIL VERIFICATION TESTS
2	EA	GENERIC SIGNAL ITEM CCTV METAL POLE REMOVAL	16	EA	SOIL NAIL PROOF TESTS
2	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT	300	SF	CIP GRAVITY RETAINING WALLS
4	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET	17,895	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL
2	EA	GENERIC SIGNAL ITEM FIELD VIDEO ENCODER	4,340	LF	GENERIC STRUCTURE ITEM CONC BARRIER RAIL WITH MOMENT SLAB
1	EA	GENERIC SIGNAL ITEM MVD METAL POLE			
2	EA	GENERIC SIGNAL ITEM MVD POLE FOUNDATION REMOVAL			
1	EA	GENERIC SIGNAL ITEM MVD RELOCATED TO NEW CCTV METAL POLE			
1	EA	GENERIC SIGNAL ITEM MVD RELOCATED TO NEW METAL MVD POLE			
1	EA	GENERIC SIGNAL ITEM OPTICALLY ACTIVATED TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM			
1	EA	GENERIC SIGNAL ITEM PORTABLE CCTV LOWERING TOOL	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (34+62.88-DFEB- WID)

STRUCTURE ITEMS

				Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (105+29.00-L-)	
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+70.18-DFWB- WID)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (107+45.55-L-)	
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (28+50.89-RRDET-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (125+91.57-L-EBL)	
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (34+62.88-DFEB- WID)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (125+91.57-L-WBL)	
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (36+69.26-DFWB- WID)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (138+40.45-LDFEB-)	
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (44+08.60-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (157+33.78-LDFEB-)	
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (64+74.69-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+97.57-DFLW-)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 1, 64+55.50-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+29.61-DFLY-)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 1, 64+74.69-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+70.18-DFWB- WID)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 2, 64+55.50-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (34+62.88-DFEB- WID)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 2, 64+74.69-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (36+69.26-DFWB- WID)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 105+29.00-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+08.60-L-)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 24+70.18-DFWB- WID)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (85+26.52-L-)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,138+40.45-LDFEB-)	1,253,792	LB	REINFORCING STEEL (BRIDGE)		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,23+29.61-DFLY-)	31,943	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,23+29.61-DFLY-)	3,915	LB	EPOXY COATED SPIRAL COLUMN REINFORCING STEEL (BRIDGE)		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (17+97.57-DFLW-)	119,490	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 105+29.00-L-)	3,155.8	LF	54" PRESTRESSED CONCRETE GIRDERS		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 23+29.61-DFLY-)	7,516,065	LS	APPROX LBS STRUCTURAL STEEL		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 24+70.18-DFWB-WID)	Lump Sum	LS	POLLUTION CONTROL		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 105+29.00-L-)	9,341	LF	HP12X53 STEEL PILES		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 23+29.61-DFLY-)	495	LF	HP14X73 STEEL PILES		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 24+70.18-DFWB-WID)	56	EA	STEEL PILE POINTS		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 105+29.00-L-)	202	SY	METHOD A WATERPROOFING		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 23+29.61-DFLY-)	521	LF	THREE BAR METAL RAIL		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 23+29.61-DFLY-)	7,295.12	LF	CONCRETE BARRIER RAIL		
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 23+29.61-DFLY-)	182.4	LF	CONCRETE MEDIAN BARRIER		
238	LF	PILE EXCAVATION IN SOIL	330.56	LF	**" CHAIN LINK FENCE (72")		
362	LF	PILE EXCAVATION NOT IN SOIL	8,855.1	SY	4" SLOPE PROTECTION		
346.9	LF	3'-6" DIA DRILLED PIERS IN SOIL	Lump Sum	LS	POT BEARINGS		
950.7	LF	4'-0" DIA DRILLED PIERS IN SOIL	Lump Sum	LS	ELASTOMERIC BEARINGS		
224	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL	435.5	CF	CONCRETE REPAIRS		
704	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL	190.53	CF	SHOTCRETE REPAIRS		
309.2	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER	409	LF	EPOXY RESIN INJECTION		
2	EA	PDA TESTING	Lump Sum	LS	FOAM JOINT SEALS		
73	EA	SID INSPECTIONS	Lump Sum	LS	EXPANSION JOINT SEALS		
109	EA	SPT TESTING	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (28+50.89-RRDET-)		
79	EA	CSL TESTING	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (64+55.50-L-)		
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (24+70.18-DFWB- WID)	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (64+74.9-L-)		
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (28+50.89-RRDET-)	Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL CONDUIT SYSTEM AT ROWENA AVE.		
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (44+08.60-L-)	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING EXISTING STRUCTURE		
241,974	SF	REINFORCED CONCRETE DECK SLAB	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING STRUCTURAL STEEL		
283,154	SF	GROOVING BRIDGE FLOORS	Lump Sum	LS	GENERIC STRUCTURE ITEM ROCKER BEARING ASSEMBLIES		
4,345	CY	CLASS A CONCRETE (BRIDGE)	Lump Sum	LS	GENERIC STRUCTURE ITEM SELF-LUBRICATING EXPANSION BEARING ASSEMBLIES		
			Lump Sum	LS	GENERIC STRUCTURE ITEM SOUND BARRIER WALL (BRIDGE MOUNTED)		
			Lump Sum	LS	GENERIC STRUCTURE ITEM STEEL BEARING ASSEMBLIES		
			Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 1,042,750 LBS		

			4,888	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING LMC - VERY EARLY STRENGTH
Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 465,500 LBS	5,756	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 714,223 LBS	3,850	SY	GENERIC STRUCTURE ITEM SHOTCRETE SLOPE PROTECTION
Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 959,500 LBS	4	EA	GENERIC STRUCTURE ITEM ANCHOR BOLT REPLACEMENT
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMP SOLDIER PILE RET WALL FOR RR ABUT (ABUT 1, 25+69.00-RRDET-)	9	EA	GENERIC STRUCTURE ITEM BEARING REPLACEMENT
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMP SOLDIER PILE RET WALL FOR RR ABUT (ABUT 2, 25+69.00-RRDET-)	26	EA	GENERIC STRUCTURE ITEM GIRDER JACKING
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY RAILROAD SHORING (138+40.45-LDFEB-)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY RAILROAD SHORING (17+97.57-DFLW-)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY RAILROAD SHORING (24+70.18-DFWB- WID)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TREATED LUMBER DECK			
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM			
Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMETRIC MIXER			
	239.6	LF			GENERIC STRUCTURE ITEM 3'-0" DIA LFD DRILLED PIERS IN SOIL
	384	LF			GENERIC STRUCTURE ITEM 3'-0" DIA LFD DRILLED PIERS NOT IN SOIL
	333.2	LF			GENERIC STRUCTURE ITEM 3'-6" DIA LFD DRILLED PIERS IN SOIL
	140	LF			GENERIC STRUCTURE ITEM 3'-6" DIA LFD DRILLED PIERS NOT IN SOIL
	103.8	LF			GENERIC STRUCTURE ITEM 4'-6" DIA LFD DRILLED PIERS IN SOIL
	208	LF			GENERIC STRUCTURE ITEM 4'-6" DIA LFD DRILLED PIERS NOT IN SOIL
	1,640.2	LF			GENERIC STRUCTURE ITEM CONCRETE PARAPET
	911	LF			GENERIC STRUCTURE ITEM METAL HANDRAIL(ALUMINUM)
	12	LF			GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 1, 25+69.00-RRDET-)
	12	LF			GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 2, 25+69.00-RRDET-)
	12	LF			GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 6, 25+69.00-RRDET-)
	12	LF			GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 7, 25+69.00-RRDET-)
	943.5	CY			GENERIC STRUCTURE ITEM CLASS AA CONCRETE (AS MODIFIED BY RAILWAY)
	111	CY			GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE
	252	CY			GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH
	281	CF			GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR
	42,000	LB			GENERIC STRUCTURE ITEM STRUCTURAL STEEL FOR GIRDER REPAIR
	982.5	SF			GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
	4,716	SF			GENERIC STRUCTURE ITEM DAMPROOFING (RR STRUCTURES)
	4,239	SF			GENERIC STRUCTURE ITEM EPOXY PROTECTIVE COATING
	470	SF			GENERIC STRUCTURE ITEM JOINT REPAIR
	15,159	SF			GENERIC STRUCTURE ITEM WATERPROOFING (RR STRUCTURES)
	5,756	SY			GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
	2,263	SY			GENERIC STRUCTURE ITEM PLACING & FINISHING LATEX MODIFIED CONCRETE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L141118 003

CONTRACT ID : C203618 5CR.10321.28

DIV OFFICE DURHAM

LENGTH = 25.280 MI

COUNTY : DURHAM

MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

MBE GOAL 5.0% WBE 6.0% COMPLETION DATE : APR 29 2016

1 SECTION EACH OF NC-751, US-15/501 BUS, NC-157 & NC-54, 2 SECTIONS OF US-70 BUS AND 13 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	22,650	LF	INDUCTIVE LOOP SAWCUT
266	CY	BORROW EXCAVATION			
90	TON	INCIDENTAL STONE BASE			
2.66	SMI	SHOULDER RECONSTRUCTION			
589,346	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
38,241	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")			
20,962	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")			
6,350	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")			
575	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")			
120	SY	INCIDENTAL MILLING			
590	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
3,160	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
60,409	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
3,803	TON	ASPHALT BINDER FOR PLANT MIX			
3,435	TON	PATCHING EXISTING PAVEMENT			
14,520	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)			
61	EA	ADJUSTMENT OF MANHOLES			
15	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
2,832	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING			
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			
184	HR	LAW ENFORCEMENT			
276,885	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
198,208	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
5,205	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
6,963	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
480	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)			
4,436	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
47	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
767	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
1,925	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)			
473,616	LF	PAINT PAVEMENT MARKING LINES (4")			
12,168	LF	PAINT PAVEMENT MARKING LINES (8")			
480	LF	PAINT PAVEMENT MARKING LINES (12")			
4,686	LF	PAINT PAVEMENT MARKING LINES (24")			
43	EA	PAINT PAVEMENT MARKING CHARAC- TER			
745	EA	PAINT PAVEMENT MARKING SYMBOL			
1,925	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
2,506	EA	PERMANENT RAISED PAVEMENT MARKERS			
1,322	EA	SNOWPLOWABLE PAVEMENT MARKERS			
275	LF	TEMPORARY SILT FENCE			
150	LF	WATTLE			
1.93	ACR	SEEDING & MULCHING			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L141118 004

CONTRACT ID : C203497 39017.3.FD1

DIV OFFICE FAYETTEVILLE

LENGTH = 3.805 MI

COUNTY : HARNETT

GRADING, DRAINAGE, PAVING & SIGNALS.

DBE GOAL 13.0% COMPLETION DATE : MAY 14 2018

SR-1121 (RAY RD) FROM NC-210 TO SR-1120 (OVERHILLS RD).

		ROADWAY ITEMS			
			709	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
			37	EA	CONTROL OF ACCESS MARKERS
			224	CY	SUBDRAIN EXCAVATION
			168	CY	SUBDRAIN FINE AGGREGATE
Lump Sum	LS	MOBILIZATION	1,000	LF	6" PERFORATED SUBDRAIN PIPE
Lump Sum	LS	CONSTRUCTION SURVEYING	2	EA	SUBDRAIN PIPE OUTLET
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	12	LF	6" OUTLET PIPE
	2	ACR SUPPLEMENTARY CLEARING & GRUBBING	15	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
	8	EA SEALING ABANDONED WELLS	4	CY	PIPE COLLARS
	47,000	CY UNCLASSIFIED EXCAVATION	0.1	CY	PIPE PLUGS
	9,220	CY UNDERCUT EXCAVATION	75	CY	FLOWABLE FILL
	170,000	CY BORROW EXCAVATION	320	EA	MASONRY DRAINAGE STRUCTURES
	1,505	CY DRAINAGE DITCH EXCAVATION	83	LF	MASONRY DRAINAGE STRUCTURES
	1,610	LF BERM DITCH CONSTRUCTION	26	EA	FRAME WITH TWO GRATES, STD 840.16
	39,500	SY REMOVAL OF EXISTING ASPHALT PAVEMENT	9	EA	FRAME WITH TWO GRATES, STD 840.24
	3,500	SY BREAKING OF EXISTING ASPHALT PAVEMENT	14	EA	FRAME WITH TWO GRATES, STD 840.29
	6,300	CY SELECT GRANULAR MATERIAL	40	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
	6,700	SY GEOTEXTILE FOR SOIL STABILIZATION	125	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
	2,250	SF TEMPORARY SHORING	98	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
	50	TON GENERIC GRADING ITEM	6	EA	FRAME WITH COVER, STD 840.54
		HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	30	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET
	5,570	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	41	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
	14,920	SY FOUNDATION CONDITIONING GEOTEXTILE	12	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
	1,628	LF 15" DRAINAGE PIPE	6	EA	GENERIC DRAINAGE ITEM
	352	LF 18" DRAINAGE PIPE			RIPRAP ENERGY DISSIPATOR BASIN
	492	LF 24" DRAINAGE PIPE	300	LF	***X*** CONCRETE CURB (8" X 12")
	216	LF 30" DRAINAGE PIPE	295	LF	***X*** CONCRETE CURB (8" X 18")
	108	LF 36" DRAINAGE PIPE	32,400	LF	1'-6" CONCRETE CURB & GUTTER
	15	EA *** DRAINAGE PIPE ELBOWS (15")	42,000	LF	2'-6" CONCRETE CURB & GUTTER
	3	EA *** DRAINAGE PIPE ELBOWS (18")	10,850	SY	4" CONCRETE SIDEWALK
	12	EA *** DRAINAGE PIPE ELBOWS (24")	36	EA	CONCRETE CURB RAMP
	6	EA *** DRAINAGE PIPE ELBOWS (30")	500	SY	6" CONCRETE DRIVEWAY
	2	EA *** DRAINAGE PIPE ELBOWS (36")	55	SY	4" CONCRETE PAVED DITCH
	18,056	LF 15" RC PIPE CULVERTS, CLASS IV	3,500	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
	3,080	LF 18" RC PIPE CULVERTS, CLASS IV	1,200	SY	GENERIC PAVING ITEM
	3,754	LF 24" RC PIPE CULVERTS, CLASS IV			7" CONCRETE TRUCK APRON
	716	LF 30" RC PIPE CULVERTS, CLASS IV	14	EA	ADJUSTMENT OF CATCH BASINS
	820	LF 36" RC PIPE CULVERTS, CLASS IV	1	EA	ADJUSTMENT OF DROP INLETS
	208	LF 42" RC PIPE CULVERTS, CLASS IV	2	EA	CONVERT EXISTING TRAFFIC BEARING DROP INLET TO TRAFFIC BEARING JUNCTION BOX
	48	LF *** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	2,130	LF	CHAIN LINK FENCE, 48" FABRIC
			178	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
	56	LF *** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")	11	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
					RIP RAP, CLASS I
	48	LF *** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	210	TON	RIP RAP, CLASS B
			58	TON	RIP RAP, CLASS B
	56	LF *** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	4,377	SY	GEOTEXTILE FOR DRAINAGE
			2,045	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
	3,775	LF PIPE REMOVAL	132	EA	SIGN ERECTION, TYPE E
Lump Sum	LS	FINE GRADING	1	EA	SIGN ERECTION, TYPE F
	500	TON STABILIZER AGGREGATE	50	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	400	TON AGGREGATE BASE COURSE	945	SF	WORK ZONE SIGNS (STATIONARY)
	500	TON INCIDENTAL STONE BASE	325	SF	WORK ZONE SIGNS (PORTABLE)
	3,650	SY MILLING ASPHALT PAVEMENT, **** DEPTH (3")	232	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			1	EA	FLASHING ARROW BOARD
	3,725	SY INCIDENTAL MILLING	5	EA	PORTABLE CHANGEABLE MESSAGE SIGN
	41,000	TON ASPHALT CONC BASE COURSE, TYPE B25.0B			
	35,200	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
	34,000	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
	5,535	TON ASPHALT BINDER FOR PLANT MIX			

			4,895	TON	SEDIMENT CONTROL STONE
			93.5	ACR	TEMPORARY MULCHING
			4,100	LB	SEED FOR TEMPORARY SEEDING
			22	TON	FERTILIZER FOR TEMPORARY SEEDING
811	EA	DRUMS			
816	LF	BARRICADES (TYPE III)			
860	DAY	FLAGGER			
2	EA	TEMPORARY CRASH CUSHIONS			
1	EA	TMA			
550	LF	PORTABLE CONCRETE BARRIER			
500	LF	WATER FILLED BARRIER			
240	HR	LAW ENFORCEMENT			
300	EA	TEMPORARY RAISED PAVEMENT MARKERS			
14,100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
34,200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
1,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
285	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
30	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
355,420	LF	PAINT PAVEMENT MARKING LINES (4")			
2,300	LF	PAINT PAVEMENT MARKING LINES (6")			
1,170	LF	PAINT PAVEMENT MARKING LINES (8")			
220	LF	PAINT PAVEMENT MARKING LINES (12")			
670	LF	PAINT PAVEMENT MARKING LINES (24")			
40	EA	PAINT PAVEMENT MARKING CHARACTER			
512	EA	PAINT PAVEMENT MARKING SYMBOL			
600	EA	PERMANENT RAISED PAVEMENT MARKERS			
1,667	LF	2" WATER LINE			
408	LF	4" WATER LINE			
2,297	LF	6" WATER LINE			
294	LF	8" WATER LINE			
20,112	LF	12" WATER LINE			
1,072	LF	30" WATER LINE			
18	EA	2" VALVE			
4	EA	4" VALVE			
16	EA	6" VALVE			
4	EA	8" VALVE			
40	EA	12" VALVE			
1	EA	2" AIR RELEASE VALVE			
40	EA	RELOCATE WATER METER			
20	EA	RECONNECT WATER METER			
2	EA	RELOCATE 8" DCV BACKFLOW PREVENTION ASSEMBLY			
1	EA	RELOCATE 4" RPZ BACKFLOW PREVENTION ASSEMBLY			
1	EA	RELOCATE 6" RPZ BACKFLOW PREVENTION ASSEMBLY			
12	EA	RELOCATE FIRE HYDRANT			
1	EA	6" LINE STOP WITH BYPASS			
1	EA	8" LINE STOP WITH BYPASS			
435	LF	8" SANITARY GRAVITY SEWER			
10	EA	SANITARY SEWER CLEAN-OUT			
4	EA	4" DIA UTILITY MANHOLE			
7	LF	UTILITY MANHOLE WALL, 4' DIA			
1,119	LF	ABANDON 30" UTILITY PIPE			
15	EA	REMOVE WATER METER			
3	EA	ABANDON UTILITY MANHOLE			
2	EA	GENERIC UTILITY ITEM 12" ANTI-CAVITATION PRESSURE REDUCING VALVE			
1	EA	GENERIC UTILITY ITEM 12" INSERT VALVE			
1	EA	GENERIC UTILITY ITEM 8" INSERT VALVE			
3	EA	GENERIC UTILITY ITEM ABANDON WATER METER VAULT			
1	EA	GENERIC UTILITY ITEM RELOCATE 4" WATER METER			
15.5	CY	GENERIC UTILITY ITEM EXCAVATABLE FLOWABLE FILL			
Lump Sum	LS	GENERIC UTILITY ITEM SUPPORT 8" WATER MAIN & 36" SEWER MAIN			
70,000	LF	TEMPORARY SILT FENCE			
1,375	TON	STONE FOR EROSION CONTROL, CLASS A			
3,605	TON	STONE FOR EROSION CONTROL, CLASS B			
			5,880	LF	TEMPORARY SLOPE DRAINS
			800	LF	SAFETY FENCE
			10,740	CY	SILT EXCAVATION
			60,000	SY	MATTING FOR EROSION CONTROL
			200	SY	COIR FIBER MAT
			960	SY	PERMANENT SOIL REINFORCEMENT MAT
			16,000	LF	1/4" HARDWARE CLOTH
			400	SY	LOW PERMEABILITY GEOTEXTILE
			5,400	LF	WATTLE
			2,450	LF	COIR FIBER WATTLE
			3,900	LB	POLYACRYLAMIDE (PAM)
			2,900	LF	COIR FIBER BAFFLE
			11	EA	*** SKIMMER (1-1/2")
			1	EA	*** SKIMMER (2")
			63	ACR	SEEDING & MULCHING
			35	ACR	MOWING
			950	LB	SEED FOR REPAIR SEEDING
			2.75	TON	FERTILIZER FOR REPAIR SEEDING
			1,425	LB	SEED FOR SUPPLEMENTAL SEEDING
			42.5	TON	FERTILIZER TOPDRESSING
			40	MHR	SPECIALIZED HAND MOWING
			150	EA	RESPONSE FOR EROSION CONTROL
			54	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
			18	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
			4,792	LF	SIGNAL CABLE
			28	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
			3	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
			1,468	LF	MESSENGER CABLE (3/8")
			1,101	LF	UNPAVED TRENCHING (***** (1, 2"))
			40	LF	UNPAVED TRENCHING (***** (2, 2"))
			2,321	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
			120	LF	DIRECTIONAL DRILL (***** (1, 2"))
			18	EA	JUNCTION BOX (STANDARD SIZE)
			3	EA	WOOD POLE
			4	EA	GUY ASSEMBLY
			3	EA	2" RISER WITH WEATHERHEAD
			5,703	LF	INDUCTIVE LOOP SAWCUT
			15,333	LF	LEAD-IN CABLE (***** (14-2))
			8	EA	METAL STRAIN SIGNAL POLE
			8	EA	SOIL TEST
			60	CY	DRILLED PIER FOUNDATION
			2	EA	SIGN FOR SIGNALS
			2	EA	SIGNAL CABINET FOUNDATION
			2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
			14	EA	DETECTOR CARD (TYPE 2070L)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L141118 005

CONTRACT ID : C203599 45548.3.FR1

DIV OFFICE FAYETTEVILLE

LENGTH = 0.431 MI

COUNTY : HARNETT

GRADING, DRAINAGE, PAVING & RAIL CROSSING.

DBE GOAL 10.0% COMPLETION DATE : MAY 13 2016

REALIGNMENT OF SR-2215(HARNETT CENTRAL ROAD) AT US-401 AND EXTENSION OF SR-1575(NEIL SMITH ROAD).

		ROADWAY ITEMS				
				160	SF	WORK ZONE SIGNS (PORTABLE)
				110	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
Lump Sum	LS	MOBILIZATION		100	EA	DRUMS
Lump Sum	LS	CONSTRUCTION SURVEYING		30	EA	CONES
1,550	CY	UNDERCUT EXCAVATION		176	LF	BARRICADES (TYPE III)
Lump Sum	LS	GRADING		10	DAY	FLAGGER
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING		50	EA	SKINNY DRUM
120	CY	DRAINAGE DITCH EXCAVATION		32	EA	TUBULAR MARKERS (FIXED)
4,000	CY	SELECT GRANULAR MATERIAL		255	EA	TEMPORARY RAISED PAVEMENT MARKERS
3,100	SY	GEOTEXTILE FOR SOIL STABILIZATION		11,670	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
100	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL		7,295	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
140	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		260	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
420	SY	FOUNDATION CONDITIONING GEOTEXTILE		145	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
204	LF	15" SIDE DRAIN PIPE		150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
116	LF	18" SIDE DRAIN PIPE		4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
120	LF	15" RC PIPE CULVERTS, CLASS III		8	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
200	LF	18" RC PIPE CULVERTS, CLASS III		18,965	LF	PAINT PAVEMENT MARKING LINES (4")
168	LF	24" RC PIPE CULVERTS, CLASS III		260	LF	PAINT PAVEMENT MARKING LINES (8")
308	LF	24" RC PIPE CULVERTS, CLASS IV		145	LF	PAINT PAVEMENT MARKING LINES (16")
515	LF	PIPE REMOVAL		150	LF	PAINT PAVEMENT MARKING LINES (24")
4,950	TON	AGGREGATE BASE COURSE		4	EA	PAINT PAVEMENT MARKING CHARACTER
50	TON	INCIDENTAL STONE BASE		8	EA	PAINT PAVEMENT MARKING SYMBOL
1,400	SY	INCIDENTAL MILLING		12,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
3,125	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		100	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
3,200	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		6	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
3,775	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		255	EA	PERMANENT RAISED PAVEMENT MARKERS
520	TON	ASPHALT BINDER FOR PLANT MIX		1,240	LF	6" WATER LINE
50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		749	LF	12" WATER LINE
302.4	CY	SUBDRAIN EXCAVATION		1	EA	6" VALVE
226.8	CY	SUBDRAIN FINE AGGREGATE		4	EA	12" VALVE
1,350	LF	6" PERFORATED SUBDRAIN PIPE		1	EA	6" TAPPING VALVE
3	EA	SUBDRAIN PIPE OUTLET		1	EA	2" BLOW OFF
18	LF	6" OUTLET PIPE		10	EA	RELOCATE WATER METER
4	EA	MASONRY DRAINAGE STRUCTURES		2	EA	RELOCATE FIRE HYDRANT
2.5	LF	MASONRY DRAINAGE STRUCTURES		1,468	LF	ABANDON 6" UTILITY PIPE
2	EA	FRAME WITH TWO GRATES, STD 840.16		707	LF	ABANDON 12" UTILITY PIPE
2	EA	FRAME WITH TWO GRATES, STD 840.29		14	LF	6" ENCASEMENT PIPE
2	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET		25	CY	GENERIC UTILITY ITEM EXCAVATABLE FLOWABLE FILL
180	LF	2'-6" CONCRETE CURB & GUTTER		8,150	LF	TEMPORARY SILT FENCE
510	LF	CONCRETE EXPRESSWAY GUTTER		210	TON	STONE FOR EROSION CONTROL, CLASS A
80	SY	6" CONCRETE DRIVEWAY		535	TON	STONE FOR EROSION CONTROL, CLASS B
100	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)		2,625	TON	SEDIMENT CONTROL STONE
62.5	LF	STEEL BM GUARDRAIL		13.5	ACR	TEMPORARY MULCHING
5	EA	ADDITIONAL GUARDRAIL POSTS		900	LB	SEED FOR TEMPORARY SEEDING
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1		5.5	TON	FERTILIZER FOR TEMPORARY SEEDING
1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350		200	LF	TEMPORARY SLOPE DRAINS
350	LF	GENERIC FENCING ITEM WOOD FENCE RESET		200	LF	SAFETY FENCE
620	TON	RIP RAP, CLASS B		1,390	CY	SILT EXCAVATION
1,800	SY	GEOTEXTILE FOR DRAINAGE		19,000	SY	MATting FOR EROSION CONTROL
350	LF	SUPPORTS, 3-LB STEEL U-CHANNEL		100	SY	COIR FIBER MAT
34	EA	SIGN ERECTION, TYPE E		165	LF	1/4" HARDWARE CLOTH
4	EA	SIGN ERECTION, TYPE F		75	SY	LOW PERMEABILITY GEOTEXTILE
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)		50	LF	TEMPORARY PIPE FOR STREAM CROSSING
19	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL		600	LF	WATTLE
580	SF	WORK ZONE SIGNS (STATIONARY)		45	LF	COIR FIBER WATTLE
				820	LF	COIR FIBER WATTLE BARRIER

180	LB	POLYACRYLAMIDE (PAM)
445	LF	COIR FIBER BAFFLE
4	EA	*** SKIMMER (1-1/2")
12	ACR	SEEDING & MULCHING
9	ACR	MOWING
150	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
300	LB	SEED FOR SUPPLEMENTAL SEEDING
8.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L141118 006

CONTRACT ID : C203494 34352.2.S2

DIV OFFICE ABERDEEN

LENGTH = 6.651 MI

COUNTY : MONTGOMERY

GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS & STRUCTURES.

MBE GOAL 5.0% WBE 7.0% COMPLETION DATE : JAN 28 2019

NC-24/27 (TROY BYPASS) FROM SR-1138 (DAIRY RD) TO EAST OF LITTLE RIVER.

ROADWAY ITEMS					
			720	LF	***** RC PIPE CULVERTS, CLASS IV (54")
Lump Sum	LS	MOBILIZATION	236	LF	***** RC PIPE CULVERTS, CLASS IV (60")
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING	220	LF	***** RC PIPE CULVERTS, CLASS IV (66")
2	EA	SEALING ABANDONED WELLS			
1,610,000	CY	UNCLASSIFIED EXCAVATION	4,444	LF	15" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (123+72.25 -L- LT)	116	LF	18" RC PIPE CULVERTS, CLASS IV
			76	LF	24" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (123+72.25 -L- RT)	720	LF	30" RC PIPE CULVERTS, CLASS IV
			216	LF	42" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (339+69.19 -L- LT)	104	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (339+69.19 -L- RT)	2,790	LF	PIPE REMOVAL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (339+69.19 -L- RT)	Lump Sum	LS	FINE GRADING
			142,490	SY	LIME TREATED SOIL (SLURRY METHOD)
32,523	CY	UNDERCUT EXCAVATION	1,430	TON	LIME FOR LIME TREATED SOIL
3	EA	EMBANKMENT SETTLEMENT GAUGES	31	TON	#57 STONE
25,714	CY	DRAINAGE DITCH EXCAVATION	4,000	CY	SHALLOW UNDERCUT
5,910	LF	BERM DITCH CONSTRUCTION	7,600	TON	CLASS IV SUBGRADE STABILIZATION
37,550	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	500	TON	STABILIZER AGGREGATE
26,050	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	83,453	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
61	HR	PROOF ROLLING	134,000	TON	AGGREGATE BASE COURSE
19,240	CY	SELECT GRANULAR MATERIAL	142,490	SY	SOIL CEMENT BASE
48,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	3,920	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
1,722	SF	TEMPORARY SHORING	42,750	GAL	ASPHALT CURING SEAL
2,465	SY	ROCK PLATING	4,000	TON	INCIDENTAL STONE BASE
3,500	SY	GENERIC GRADING ITEM	57,816	CY	SHOULDER BORROW
		SOIL NAIL SLOPE STABILIZATION	669	GAL	PRIME COAT
25	EA	GENERIC GRADING ITEM	1,600	SY	INCIDENTAL MILLING
		SOIL NAIL PROOF TESTS	7,150	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
25	EA	GENERIC GRADING ITEM	3,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
		SOIL NAIL VERIFICATION TESTS	1,650	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
10,204	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	41,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
12,950	SY	FOUNDATION CONDITIONING GEOTEXTILE	6,200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,572	LF	*** SIDE DRAIN PIPE (30")	48,100	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,096	LF	*** SIDE DRAIN PIPE (36")	5,710	TON	ASPHALT BINDER FOR PLANT MIX
108	LF	*** SIDE DRAIN PIPE (42")	170	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
20	LF	*** SIDE DRAIN PIPE (6")	280	EA	RIGHT OF WAY MARKERS
10,592	LF	15" SIDE DRAIN PIPE	4,540	CY	SUBDRAIN EXCAVATION
2,816	LF	18" SIDE DRAIN PIPE	8,300	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
4,656	LF	24" SIDE DRAIN PIPE	875	CY	SUBDRAIN FINE AGGREGATE
40	EA	*** SIDE DRAIN PIPE ELBOWS (15")	1,395	CY	SUBDRAIN COARSE AGGREGATE
7	EA	*** SIDE DRAIN PIPE ELBOWS (18")	13,500	LF	6" PERFORATED SUBDRAIN PIPE
3	EA	*** SIDE DRAIN PIPE ELBOWS (24")	28	EA	SUBDRAIN PIPE OUTLET
2	EA	*** SIDE DRAIN PIPE ELBOWS (30")	168	LF	6" OUTLET PIPE
156	LF	12" RC PIPE CULVERTS, CLASS III	10	TON	BLOTTING SAND
6,944	LF	15" RC PIPE CULVERTS, CLASS III	3	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
1,308	LF	18" RC PIPE CULVERTS, CLASS III	19	CY	ENDWALLS
1,440	LF	24" RC PIPE CULVERTS, CLASS III	28	CY	REINFORCED ENDWALLS
488	LF	30" RC PIPE CULVERTS, CLASS III	2	CY	PIPE COLLARS
396	LF	36" RC PIPE CULVERTS, CLASS III	1	CY	PIPE PLUGS
252	LF	42" RC PIPE CULVERTS, CLASS III	10	CY	FLOWABLE FILL
152	LF	48" RC PIPE CULVERTS, CLASS III	313	EA	MASONRY DRAINAGE STRUCTURES
			11	CY	MASONRY DRAINAGE STRUCTURES
			186	LF	MASONRY DRAINAGE STRUCTURES
			2	EA	FRAME WITH GRATE, STD 840.22
			1	EA	FRAME WITH GRATE, STD 840.24
			27	EA	FRAME WITH TWO GRATES, STD 840.16

			1,998	EA	TEMPORARY RAISED PAVEMENT MARKERS
			166,164	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
43	EA	FRAME WITH TWO GRATES, STD 840.20	40,438	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
191	EA	FRAME WITH TWO GRATES, STD 840.22	11,354	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
28	EA	FRAME WITH TWO GRATES, STD 840.24	952	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
18	EA	FRAME WITH TWO GRATES, STD 840.29	8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
3	EA	FRAME WITH COVER, STD 840.54	155	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
27	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	3,000	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)
13,200	LF	SHOULDER BERM GUTTER	608,823	LF	PAINT PAVEMENT MARKING LINES (4")
520	LF	CONCRETE EXPRESSWAY GUTTER	1,600	LF	PAINT PAVEMENT MARKING LINES (12")
285	LF	CONCRETE VALLEY GUTTER	1,350	LF	PAINT PAVEMENT MARKING LINES (24")
165	SY	4" CONCRETE PAVED DITCH	4	EA	PAINT PAVEMENT MARKING CHARACTER
4,350	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	203	EA	PAINT PAVEMENT MARKING SYMBOL
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	24,198	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
18,425	LF	STEEL BM GUARDRAIL	700	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
325	LF	STEEL BM GUARDRAIL, SHOP CURVED	165	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	22	EA	PERMANENT RAISED PAVEMENT MARKERS
10	EA	ADDITIONAL GUARDRAIL POSTS	1,939	EA	SNOWPLOWABLE PAVEMENT MARKERS
3	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	9	EA	7' U-CHANNEL POSTS
32	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	9	EA	OBJECT MARKERS (END OF ROAD)
39	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	150	LF	*** WATER LINE (14")
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	407	LF	*** WATER LINE (18")
16	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	3,004	LF	2" WATER LINE
929	LF	REMOVE EXISTING GUARDRAIL	161	LF	4" WATER LINE
1,175	LF	TEMPORARY STEEL BM GUARDRAIL	2,628	LF	6" WATER LINE
6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	791	LF	8" WATER LINE
69,710	LF	WOVEN WIRE FENCE, 47" FABRIC	5,391	LF	12" WATER LINE
4,318	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	6,272	LF	16" WATER LINE
1,213	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	2,164	LF	20" WATER LINE
1,000	LF	ADDITIONAL BARBED WIRE	11	EA	2" VALVE
1	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (47", 16', 16')	1	EA	4" VALVE
2	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (47", 12', 24')	13	EA	6" VALVE
1,247	TON	RIP RAP, CLASS I	4	EA	8" VALVE
148	TON	RIP RAP, CLASS II	11	EA	12" VALVE
577	TON	RIP RAP, CLASS B	7	EA	16" VALVE
16,644	SY	GEOTEXTILE FOR DRAINAGE	2	EA	20" VALVE
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	10	EA	1" AIR RELEASE VALVE
4,902	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	3	EA	2" AIR RELEASE VALVE
15	EA	SIGN ERECTION, TYPE D	7	EA	2" BLOW OFF
178	EA	SIGN ERECTION, TYPE E	37	EA	RELOCATE WATER METER
57	EA	SIGN ERECTION, TYPE F	4	EA	RECONNECT WATER METER
3	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)	7	EA	FIRE HYDRANT
45	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	9	EA	RELOCATE FIRE HYDRANT
3	EA	DISPOSAL OF SIGN, D, E OR F	747	LF	2" FORCE MAIN SEWER
1	EA	GENERIC SIGNING ITEM	6,532	LF	6" FORCE MAIN SEWER
		DISPOSAL OF SIGN SYSTEM ON SPAN WIRE	450	LF	8" FORCE MAIN SEWER
2,592	SF	WORK ZONE SIGNS (STATIONARY)	3	EA	4' DIA UTILITY MANHOLE
1,088	SF	WORK ZONE SIGNS (PORTABLE)	4.9	LF	UTILITY MANHOLE WALL, 4' DIA
736	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	794	LF	ABANDON 8" UTILITY PIPE
3	EA	FLASHING ARROW BOARD	5,492	LF	ABANDON 12" UTILITY PIPE
3	EA	PORTABLE CHANGEABLE MESSAGE SIGN	6,690	LF	ABANDON 16" UTILITY PIPE
90	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	2,280	LF	ABANDON 20" UTILITY PIPE
984	EA	DRUMS	3	EA	ABANDON UTILITY MANHOLE
110	EA	CONES	225	LF	TRENCHLESS INSTALLATION OF 8" IN SOIL
1,112	LF	BARRICADES (TYPE III)	225	LF	TRENCHLESS INSTALLATION OF 8" NOT IN SOIL
210	DAY	FLAGGER	75	LF	TRENCHLESS INSTALLATION OF 14" IN SOIL
7	EA	TEMPORARY CRASH CUSHIONS	75	LF	TRENCHLESS INSTALLATION OF 14" NOT IN SOIL
6	EA	RESET TEMPORARY CRASH CUSHION	203.5	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL
2	EA	TMA	203.5	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL
3,720	LF	PORTABLE CONCRETE BARRIER	2	EA	GENERIC UTILITY ITEM
2,970	LF	RESET PORTABLE CONCRETE BARRIER			RELOCATE WATER METER WITH NEW VAULT
110	EA	SKINNY DRUM	Lump Sum	LS	GENERIC UTILITY ITEM
			50,000	LF	REMOVE LIFT STATION
			7,000	TON	TEMPORARY SILT FENCE
					STONE FOR EROSION CONTROL, CLASS A

CULVERT ITEMS

25,000	TON	STONE FOR EROSION CONTROL, CLASS B	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (53+95.00-L-)
20,000	TON	SEDIMENT CONTROL STONE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (77+04.00-L-)
500	ACR	TEMPORARY MULCHING	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (188+02.00-L-)
115,400	LB	SEED FOR TEMPORARY SEEDING	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (204+38.00-L-)
480	TON	FERTILIZER FOR TEMPORARY SEEDING	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (53+95.00-L-)
15,000	LF	TEMPORARY SLOPE DRAINS	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (77+04.00-L-)
24,000	LF	SAFETY FENCE	1,622	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
126,040	CY	SILT EXCAVATION	2,388.5	CY	CLASS A CONCRETE (CULVERT)
338,000	SY	MATTING FOR EROSION CONTROL	259,388	LB	REINFORCING STEEL (CULVERT)
10,000	SY	COIR FIBER MAT			
28,000	SY	PERMANENT SOIL REINFORCEMENT MAT			
10,000	LF	1/4" HARDWARE CLOTH			
465	LF	*** TEMPORARY PIPE (24")			
200	LF	TEMPORARY PIPE FOR STREAM CROSSING			
455	SY	FLOATING TURBIDITY CURTAIN			
1,575	CY	STILLING BASINS			
60	EA	SPECIAL STILLING BASINS			
8,000	LF	COIR FIBER WATTLE			
8,000	LB	POLYACRYLAMIDE (PAM)			
15,000	LF	COIR FIBER BAFFLE			
102	EA	*** SKIMMER (1-1/2")	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (339+48.56-L-EBL)
14	EA	*** SKIMMER (2")	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (339+48.56-L-WBL)
1	EA	*** SKIMMER (2-1/2")	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (339+48.56-L-EBL)
200	ACR	SEEDING & MULCHING	261	LF	3'-6" DIA DRILLED PIERS IN SOIL
200	ACR	MOWING	366	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
3,450	LB	SEED FOR REPAIR SEEDING	30.2	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
10	TON	FERTILIZER FOR REPAIR SEEDING	8	EA	SID INSPECTIONS
5,200	LB	SEED FOR SUPPLEMENTAL SEEDING	8	EA	CSL TESTING
156	TON	FERTILIZER TOPDRESSING	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (339+48.56-L-EBL)
400	LF	IMPERVIOUS DIKE	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (339+48.56-L-WBL)
100	MHR	SPECIALIZED HAND MOWING	45,340	SF	REINFORCED CONCRETE DECK SLAB
125	EA	RESPONSE FOR EROSION CONTROL	44,488	SF	GROOVING BRIDGE FLOORS
1,500	CY	CULVERT DIVERSION CHANNEL	668.9	CY	CLASS A CONCRETE (BRIDGE)
10	ACR	REFORESTATION	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (123+82.50-L-EBL)
0.25	ACR	STREAMBANK REFORESTATION	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (123+82.50-L-WBL)
3,475	LF	SIGNAL CABLE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (339+48.56-L-EBL)
21	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (339+48.56-L-WBL)
5	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	191,474	LB	REINFORCING STEEL (BRIDGE)
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)	28,356	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
500	LF	MESSENGER CABLE (3/8")	1,999.33	LF	54" PRESTRESSED CONCRETE GIRDERS
2,075	LF	UNPAVED TRENCHING (*****) (1, 2")	2,472	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
425	LF	DIRECTIONAL DRILL (*****) (1, 2")	2,425	LF	HP14X73 STEEL PILES
235	LF	DIRECTIONAL DRILL (*****) (2, 2")	64	EA	STEEL PILE POINTS
35	EA	JUNCTION BOX (STANDARD SIZE)	2,280	LF	CONCRETE BARRIER RAIL
2,675	LF	INDUCTIVE LOOP SAWCUT	5,698	TON	RIP RAP CLASS II (2'-0" THICK)
6,200	LF	LEAD-IN CABLE (*****) (14-2)	6,330	SY	GEOTEXTILE FOR DRAINAGE
2	EA	DELINEATOR MARKER	Lump Sum	LS	ELASTOMERIC BEARINGS
2	EA	900MHZ RADIO			
4	EA	METAL STRAIN SIGNAL POLE			
1	EA	METAL POLE WITH SINGLE MAST ARM			
2	EA	METAL POLE WITH DUAL MAST ARM			
7	EA	SOIL TEST			
42	CY	DRILLED PIER FOUNDATION			
3	EA	MAST ARM WITH METAL POLE DESIGN			
6	EA	SIGN FOR SIGNALS			
3	EA	TYPE II PEDESTAL WITH FOUNDATION			
4	EA	SIGNAL CABINET FOUNDATION			
4	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			
14	EA	DETECTOR CARD (TYPE 2070L)			
4	EA	CABINET BASE EXTENDER			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (73+25 -L- LT)			

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (339+48.56-L-EBL)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (339+48.56-L-WBL)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (339+48.56-L-EBL)
261	LF	3'-6" DIA DRILLED PIERS IN SOIL
366	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
30.2	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
8	EA	SID INSPECTIONS
8	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (339+48.56-L-EBL)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (339+48.56-L-WBL)
45,340	SF	REINFORCED CONCRETE DECK SLAB
44,488	SF	GROOVING BRIDGE FLOORS
668.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (123+82.50-L-EBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (123+82.50-L-WBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (339+48.56-L-EBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (339+48.56-L-WBL)
191,474	LB	REINFORCING STEEL (BRIDGE)
28,356	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,999.33	LF	54" PRESTRESSED CONCRETE GIRDERS
2,472	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
2,425	LF	HP14X73 STEEL PILES
64	EA	STEEL PILE POINTS
2,280	LF	CONCRETE BARRIER RAIL
5,698	TON	RIP RAP CLASS II (2'-0" THICK)
6,330	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L141118 007

CONTRACT ID : C203493 38398.3.FD1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.189 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : FEB 16 2016

BRIDGE #201 OVER KERNER'S MILL CREEK ON SR-2667.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (18+66.50 -L-)
Lump Sum	LS	GRADING
	1	ACR SUPPLEMENTARY CLEARING & GRUB-BING
	600	CY UNDERCUT EXCAVATION
	850	CY SELECT GRANULAR MATERIAL
	550	SY GEOTEXTILE FOR SOIL STABILIZATION
	6	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
	20	SY FOUNDATION CONDITIONING GEOTEXTILE
	16	LF 15" DRAINAGE PIPE
	2	EA *** DRAINAGE PIPE ELBOWS (15")
	32	LF 15" RC PIPE CULVERTS, CLASS IV
	100	CY SHALLOW UNDERCUT
	190	TON CLASS IV SUBGRADE STABILIZATION
	100	TON INCIDENTAL STONE BASE
	150	SY INCIDENTAL MILLING
	935	TON ASPHALT CONC BASE COURSE, TYPE B25.0B
	680	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
	795	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B
	122	TON ASPHALT BINDER FOR PLANT MIX
	20	TON ASPHALT PLANT MIX, PAVEMENT REPAIR
	8	EA RIGHT OF WAY MARKERS
	2	EA MASONRY DRAINAGE STRUCTURES
	2	EA FRAME WITH GRATE, STD 840.29
	45	LF SHOULDER BERM GUTTER
	475	LF STEEL BM GUARDRAIL
	5	EA ADDITIONAL GUARDRAIL POSTS
	4	EA GUARDRAIL ANCHOR UNITS, TYPE III
	4	EA GUARDRAIL ANCHOR UNITS, TYPE 350
	700	SY GEOTEXTILE FOR DRAINAGE
	1	EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
	84	LF SUPPORTS, 3-LB STEEL U-CHANNEL
	2	EA SIGN ERECTION, TYPE D
	1	EA SIGN ERECTION, TYPE E
	8	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	356	SF WORK ZONE SIGNS (STATIONARY)
	94	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
	80	LF BARRICADES (TYPE III)
	34	LF THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
	5,732	LF POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
	2,000	LF TEMPORARY SILT FENCE
	280	TON STONE FOR EROSION CONTROL, CLASS A
	330	TON STONE FOR EROSION CONTROL, CLASS B
	275	TON SEDIMENT CONTROL STONE
	3.5	ACR TEMPORARY MULCHING
	300	LB SEED FOR TEMPORARY SEEDING
	1.5	TON FERTILIZER FOR TEMPORARY SEEDING
	200	LF TEMPORARY SLOPE DRAINS
	380	LF SAFETY FENCE
	280	CY SILT EXCAVATION
	5,000	SY MATTING FOR EROSION CONTROL
	180	SY COIR FIBER MAT

265	LF	1/4" HARDWARE CLOTH
2	EA	SPECIAL STILLING BASINS
80	LB	POLYACRYLAMIDE (PAM)
4	ACR	SEEDING & MULCHING
2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.5	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+66.50 -L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (18+66.50 -L-)
	60	CY CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+66.50 -L-)
	8,226	LB REINFORCING STEEL (BRIDGE)
	620	LF HP12X53 STEEL PILES
	165	LF TWO BAR METAL RAIL
	180	LF 1'-**X ***** CONCRETE PARAPET (1'-2" X 3'-6")
	150	TON RIP RAP CLASS II (2'-0" THICK)
	170	SY GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
	1,170	LF 3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L141118 008

CONTRACT ID : C203495 42365.3.R1

DIV OFFICE SYLVA

LENGTH = 0.148 MI

COUNTY : MACON

GRADING, DRAINAGE, PAVING AND SIGNING.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : JAN 28 2016

TRUCK INFORMATION STATION & TRUCK TURN-AROUND ON US-64/NC-28 NEAR US-23/US-441/US-64 IN FRANKLIN.

ROADWAY ITEMS					
			25	EA	CONES
			88	LF	BARRICADES (TYPE III)
			1,000	HR	FLAGGER
			25	EA	SKINNY DRUM
			1,085	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			1,445	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			3	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			3,422	LF	PAINT PAVEMENT MARKING LINES (4")
			2	EA	PAINT PAVEMENT MARKING SYMBOL
			9	EA	SNOWPLOWABLE PAVEMENT MARKERS
			1,350	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
			100	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")
			4	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)
			628	LF	8" WATER LINE
			3	EA	8" VALVE
			1	EA	RELOCATE FIRE HYDRANT
			625	LF	TEMPORARY SILT FENCE
			225	TON	STONE FOR EROSION CONTROL, CLASS A
			475	TON	STONE FOR EROSION CONTROL, CLASS B
			220	TON	SEDIMENT CONTROL STONE
			4	ACR	TEMPORARY MULCHING
			300	LB	SEED FOR TEMPORARY SEEDING
			2.5	TON	FERTILIZER FOR TEMPORARY SEEDING
			200	LF	TEMPORARY SLOPE DRAINS
			590	CY	SILT EXCAVATION
			9,100	SY	MATTING FOR EROSION CONTROL
			10	SY	COIR FIBER MAT
			350	SY	PERMANENT SOIL REINFORCEMENT MAT
			100	LF	1/4" HARDWARE CLOTH
			165	LF	WATTLE
			180	LB	POLYACRYLAMIDE (PAM)
			175	LF	COIR FIBER BAFFLE
			1	EA	*** SKIMMER (1-1/2")
			4	ACR	SEEDING & MULCHING
			2	ACR	MOWING
			50	LB	SEED FOR REPAIR SEEDING
			0.25	TON	FERTILIZER FOR REPAIR SEEDING
			100	LB	SEED FOR SUPPLEMENTAL SEEDING
			2.75	TON	FERTILIZER TOPDRESSING
			10	MHR	SPECIALIZED HAND MOWING
			18	EA	RESPONSE FOR EROSION CONTROL
Lump Sum	LS	MOBILIZATION			
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING			
100	CY	UNDERCUT EXCAVATION			
Lump Sum	LS	GRADING			
7,825	CY	BORROW EXCAVATION			
130	CY	DRAINAGE DITCH EXCAVATION			
100	CY	SELECT GRANULAR MATERIAL			
700	SY	GEOTEXTILE FOR SOIL STABILIZATION			
78	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
390	SY	FOUNDATION CONDITIONING GEOTEXTILE			
252	LF	18" DRAINAGE PIPE			
80	LF	**** RC PIPE CULVERTS, CLASS ***** (18", V)			
52	LF	15" RC PIPE CULVERTS, CLASS IV			
36	LF	15" CS PIPE CULVERTS, 0.064" THICK			
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")			
100	CY	SHALLOW UNDERCUT			
100	TON	CLASS IV SUBGRADE STABILIZATION			
50	TON	INCIDENTAL STONE BASE			
70	SY	INCIDENTAL MILLING			
1,180	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
740	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
97	TON	ASPHALT BINDER FOR PLANT MIX			
170	CY	SUBDRAIN EXCAVATION			
90	CY	SUBDRAIN FINE AGGREGATE			
500	LF	6" PERFORATED SUBDRAIN PIPE			
1	EA	SUBDRAIN PIPE OUTLET			
6	LF	6" OUTLET PIPE			
5	EA	MASONRY DRAINAGE STRUCTURES			
1	LF	MASONRY DRAINAGE STRUCTURES			
4	EA	FRAME WITH GRATE, STD 840.24			
1	EA	FRAME WITH TWO GRATES, STD 840.29			
315	LF	SHOULDER BERM GUTTER			
70	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)			
375	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
450	LF	REMOVE EXISTING GUARDRAIL			
32	TON	RIP RAP, CLASS I			
490	SY	GEOTEXTILE FOR DRAINAGE			
655	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
14	EA	SIGN ERECTION, TYPE D			
6	EA	SIGN ERECTION, TYPE E			
2	EA	SIGN ERECTION, TYPE F			
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)			
1	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)			
1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM			
4	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
1	EA	DISPOSAL OF SIGN, A, B OR C (GROUND MOUNTED)			
96	SF	WORK ZONE SIGNS (STATIONARY)			
202	SF	WORK ZONE SIGNS (PORTABLE)			
30	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
25	EA	DRUMS			

