



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

December 7, 2017

To Whom It May Concern:

In an effort to maximize transparency and competition on Department projects, starting January 1, 2018, NCDOT will make all requests for plans or proposals for purposes of bidding public. NCDOT will no longer give the option of the name being withheld from the Planholder's list. This change is reflected in the Section 102-3 of the 2018 Standard Specifications for Roads and Structures that will be effective January 1, 2018.

Sincerely,

A handwritten signature in black ink, appearing to read "R. E. Davenport".

Ronald E. Davenport, PE
State Contract Officer

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov



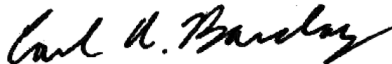
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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JAMES H. TROGDON, III
SECRETARY

November 15, 2017

NOTICE TO: All Prequalified Contractors

FROM: Carl Barclay, PE 
State Utilities Manager

SUBJECT: Design and Certification of Trenchless Installations (all methods)

Through the AGC/NCDOT Roadway Subcommittee, it has been determined there is little consistency with the enforcement of this requirement. This has resulted in some Contractors not accounting for this expense in their bid. In an effort to improve consistency and fairness among bidders, the Department will enforce this longstanding requirement of the North Carolina Board of Examiners for Engineers and Land Surveyors and NC GS Chapter 89C.

Effective with the January 2018 letting, there will be a renewed effort of enforcement of Articles 1550-1 and 1550-3(B) of the *Standard Specifications for Roads and Structures*, Section 1550-1 requires:

An engineer licensed by the State of North Carolina shall design the method and certify the work will not damage the roadway above or endanger the roadway user.

Article 1550-3(B) requires:

Before construction, provide detailed plans for the method of installation certified by an engineer licensed by the State of North Carolina. Provide certified calculations demonstrating the method of installation as safe and of minimal risk. Provide certified calculations of the structural adequacy of all materials. The design shall meet AASHTO LRFD Bridge Design Specifications. An engineer licensed by the State of North Carolina shall certify changes or modifications to the designed method as needed for actual field conditions.

If you have any questions, please do not hesitate to contact me at cbarclay@ncdot.gov or (919) 707-6982.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
UTILITIES UNIT
1555 MAIL SERVICE CENTER
RALEIGH NC 27699-1555

TELEPHONE: 919-707-6690
FAX: 919-250-4151
CUSTOMER SERVICE: 1-877-368-4968

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 FEBRUARY 20, 2018. 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, DEBARMENT AND GIFT BAN CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. CERTIFICATION FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE
<https://connect.ncdot.gov/letting/Pages/Central-Letting-Forms.aspx>.

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. ON FEDERAL PROJECTS, THE APPROPRIATE CONTRACTORS LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. 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 MANAGEMENT SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES MANAGEMENT SECTION AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY ENSURE 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, 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C., 27610. 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 JANUARY 23, 2018.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 08 Nov 2017)

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	R. Preston Hunter, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Collette, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Ronald L Keeter, Jr., 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	Brandon H Jones, PE	902 N. SANDHILLS BLVD.	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	J. Scott Cole, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Mark E Stafford, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Brian C Burch, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L180220

RPN	Contract Id	WBS	County	Length	JobType
001	C204135	2018CPT.03.04.10101 ETC.	BRUNSWICK, NEW HANOVER	32.239 MI	WIDENING, MILLING, RESURFACING, SHOULDER RECON & GUARDRAIL.
002	C204119	15BPR.15	NEW HANOVER	0.575 MI	BRIDGE PRESERVATION.
003	C204069	43608.3.3	WAKE	0.854 MI	GRADING, DRAINAGE, PAVING, ITS, AND STRUCTURES.
004	C204015	46874.3.1	ROBESON	0.908 MI	GRADING, DRAINAGE, PAVING, AND SIGNALS.
005	C204115	53086.3.1	COLUMBUS	1.196 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
006	C204063	46085.3.1	UNION	0.057 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
007	C204064	46086.3.1	UNION	0.369 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
008	C204065	46088.3.1	STANLY	0.086 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
009	C204066	46089.3.1	UNION	0.174 MI	GRADING, DRAINAGE, PAVING, AND CULVERT.
010	C204062	42328.3.1	MITCHELL	0.116 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
011	C203943	38593.3.1	TRANSYLVANIA	0.125 MI	GRADING, DRAINAGE, PAVING, AND CULVERT.
012	C204067	46120.3.1	TRANSYLVANIA	0.142 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
013	C204012	46121.3.1	MACON	0.105 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.

Bid Letting Number L180320

RPN	Contract Id	WBS	County	Length	JobType
001	C204096	34821.3.7	GUILFORD	5.265 MI	GRADING, DRAINAGE, PAVING, SIGNALS, ITS, AND STRUCTURES.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 001

CONTRACT ID : C204135 2018CPT.03.04.10101 DIV OFFICE CASTLE HAYNE COUNTY : BRUNSWICK, NEW HANOVER

LENGTH = 32.239 MI

WIDENING, MILLING, RESURFACING, SHOULDER RECON & GUARDRAIL.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : APR 05 2019

1 SECTION OF US-17 BUS/US-76, 1 SECTION OF US-421, 1 SECTION OF NC-132, AND 59 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS					
			1	EA	IMPACT ATTENUATOR UNIT, TYPE 350
			100	LF	STEEL BEAM GUARDRAIL
			275	LF	STEEL BEAM GUARDRAIL, DOUBLE FACED
			14	EA	ADDITIONAL GUARDRAIL POSTS
			7	EA	GUARDRAIL END UNITS, TYPE CAT-1
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			8	EA	GUARDRAIL END UNITS, TYPE TL-3
			6,150	LF	GENERIC GUARDRAIL ITEM REMOVE & REPLACE EXISTING GUARDRAIL
			3,136	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
			Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
			960	HR	LAW ENFORCEMENT
			243,635	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			132,306	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			15,269	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
			3,280	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
			2,325	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
			100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
			2,001	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			108	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			508	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			852	EA	PERMANENT RAISED PAVEMENT MARKERS
			2,440	EA	SNOWFLOWABLE PAVEMENT MARKERS
			Lump Sum	LS	PORTABLE LIGHTING
			446	LF	TEMPORARY SILT FENCE
			112	TON	STONE FOR EROSION CONTROL, CLASS B
			112	TON	SEDIMENT CONTROL STONE
			4.46	ACR	TEMPORARY MULCHING
			223	LB	SEED FOR TEMPORARY SEEDING
			0.47	TON	FERTILIZER FOR TEMPORARY SEEDING
			40	SY	MATTING FOR EROSION CONTROL
			224	LF	1/4" HARDWARE CLOTH
			80	LF	WATTLE
			6.49	ACR	SEEDING & MULCHING
			223	LB	SEED FOR REPAIR SEEDING
			1.12	TON	FERTILIZER FOR REPAIR SEEDING
			3	EA	RESPONSE FOR EROSION CONTROL
			6	EA	JUNCTION BOX (STANDARD SIZE)
			15,616	LF	INDUCTIVE LOOP SAWCUT
			2,400	LF	LEAD-IN CABLE (***** (14-2)
Lump Sum	LS	MOBILIZATION			
860	CY	BORROW EXCAVATION			
535	TON	INCIDENTAL STONE BASE			
17.83	SMI	SHOULDER RECONSTRUCTION			
207,529	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
2,628	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/4")			
105,260	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")			
7,073	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")			
3,061	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/4")			
6,748	SY	INCIDENTAL MILLING			
7,644	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
3,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
48,560	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
338	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)			
2,930	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
3,345	TON	ASPHALT CONC SURFACE COURSE, TYPE S4.75A			
3,822	TON	ASPHALT BINDER FOR PLANT MIX			
8,045	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)			
142	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)			
1,350	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL) I19.0C			
300	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL) S9.5C			
1,770	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)			
1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET			
40	LF	2'-6" CONCRETE CURB & GUTTER			
7	SY	4" CONCRETE SIDEWALK			
1	EA	CONCRETE CURB RAMPS			
70	SY	6" CONCRETE DRIVEWAY			
5	EA	REMOVE AND REPLACE CURB RAMPS			
80	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)			
85	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
24	SY	GENERIC PAVING ITEM REMOVE & REPLACE 4" CONC SIDEWALK			
146	SY	GENERIC PAVING ITEM REMOVE & REPLACE 5" MONOLITHIC CONC ISLANDS			
38	SY	GENERIC PAVING ITEM REMOVE MONOLITHIC CONC ISLAND			
195	LF	GENERIC PAVING ITEM REMOVE & REPLACE 2'-0" CURB & GUTTER			
155	LF	GENERIC PAVING ITEM REMOVE & REPLACE 2'-6" CURB & GUTTER			
178	EA	GENERIC PAVING ITEM ADJUSTMENT OF MONUMENTS			
86	EA	ADJUSTMENT OF MANHOLES			
32	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 002

CONTRACT ID : C204119 15BPR.15

DIV OFFICE CASTLE HAYNE

LENGTH = 0.575 MI

COUNTY : NEW HANOVER

BRIDGE PRESERVATION.

DBE GOAL % COMPLETION DATE : APR 17 2019

BRIDGE #13 OVER NE CAPE FEAR RIVER ON US-76/421.

ROADWAY ITEMS

			17,655	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
			18,574	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
			1	EA	GENERIC STRUCTURE ITEM SPLICING OF PRESTRESSING STRAN D
Lump Sum	LS	MOBILIZATION			
676	SF	WORK ZONE SIGNS (STATIONARY)			
576	SF	WORK ZONE SIGNS (PORTABLE)			
30	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
4	EA	FLASHING ARROW BOARD			
11	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
175	EA	DRUMS			
104	LF	BARRICADES (TYPE III)			
3	EA	TMA			
3,825	LF	PAINT PAVEMENT MARKING LINES (4")			
12,176	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)			
630	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)			
145	EA	PERMANENT RAISED PAVEMENT MARKERS			

STRUCTURE ITEMS

149,300	SF	GROOVING BRIDGE FLOORS			
Lump Sum	LS	POLLUTION CONTROL			
10	SY	CLASS II, SURFACE PREPARATION			
13.5	SY	CLASS III, SURFACE PREPARATION			
125	CF	SHOTCRETE REPAIRS			
1	LF	EPOXY RESIN INJECTION			
Lump Sum	LS	FOAM JOINT SEALS			
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #13			
Lump Sum	LS	GENERIC STRUCTURE ITEM INSTALL NEW SIGNS			
Lump Sum	LS	GENERIC STRUCTURE ITEM MECHANICAL OPERATING MACHINERY			
Lump Sum	LS	GENERIC STRUCTURE ITEM OPERATOR HOUSE RENOVATION			
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #13			
Lump Sum	LS	GENERIC STRUCTURE ITEM REPLACE AIR HORN			
Lump Sum	LS	GENERIC STRUCTURE ITEM REPLACEMENT OF STEEL GRID DECK			
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORKPLATFORM			
3,034	LF	GENERIC STRUCTURE ITEM MODIFIED ALASKA BARRIER RAIL			
8	CY	GENERIC STRUCTURE ITEM FLOWABLE FILL			
495	CY	GENERIC STRUCTURE ITEM PPC MATERIALS			
1.5	CF	GENERIC STRUCTURE ITEM REPAIRS TO PRESTRESSED CONC- RETE GIRDERS			
25,000	LB	GENERIC STRUCTURE ITEM STRUCTURAL STEEL FOR REPAIRS			
52	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY			
7,390	SF	GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM			
10	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR PPC OVERLAY			
13.5	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DEC K			
17,655	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING PPC OVER- LAY			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 003

CONTRACT ID : C204069 43608.3.3

DIV OFFICE DURHAM

LENGTH = 0.854 MI

COUNTY : WAKE

GRADING, DRAINAGE, PAVING, ITS, AND STRUCTURES.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE : MAR 14 2021

I-40 AND SR-1002 (AVIATION PARKWAY) INTERCHANGE.

ROADWAY ITEMS					
			2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")
			2,189	LF	PIPE REMOVAL
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING	Lump Sum	LS	FINE GRADING
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	23,420	SY	LIME TREATED SOIL (SLURRY METHOD)
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING	3,500	CY	SHALLOW UNDERCUT
85,000	CY	UNCLASSIFIED EXCAVATION	7,000	TON	CLASS IV SUBGRADE STABILIZATION
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (50+61.09 -L-)	500	TON	STABILIZER AGGREGATE
3,700	CY	UNDERCUT EXCAVATION	10,650	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
65,000	CY	BORROW EXCAVATION	32,700	TON	AGGREGATE BASE COURSE
10,800	CY	DRAINAGE DITCH EXCAVATION	1,293	TON	PORTLAND CEMENT FOR CEMENT TREATED BASE COURSE
450	LF	BERM DITCH CONSTRUCTION	23,420	SY	SOIL CEMENT BASE
23,730	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1,293	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
4,410	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	7,030	GAL	ASPHALT CURING SEAL
10	HR	PROOF ROLLING	200	TON	INCIDENTAL STONE BASE
2,900	CY	SELECT GRANULAR MATERIAL	1,200	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
13,700	SY	GEOTEXTILE FOR SOIL STABILIZATION	28,800	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
5,105	SF	TEMPORARY SHORING	3,190	SY	INCIDENTAL MILLING
Lump Sum	LS	GENERIC GRADING ITEM MEDIA FILTER BASIN NO 1	7,850	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
Lump Sum	LS	GENERIC GRADING ITEM MEDIA FILTER BASIN NO 2	14,010	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1,180	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	850	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,700	SY	FOUNDATION CONDITIONING GEOTEXTILE	11,830	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
84	LF	*** SIDE DRAIN PIPE (30")	5,110	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
180	LF	*** SIDE DRAIN PIPE (42")	1,770	TON	ASPHALT BINDER FOR PLANT MIX
16	LF	*** SIDE DRAIN PIPE (48")	295	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
1,928	LF	15" SIDE DRAIN PIPE	540	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
560	LF	18" SIDE DRAIN PIPE	5,750	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
992	LF	24" SIDE DRAIN PIPE	59	EA	RIGHT-OF-WAY MARKERS
6	EA	*** SIDE DRAIN PIPE ELBOWS (15")	722	CY	SUBDRAIN EXCAVATION
2	EA	*** SIDE DRAIN PIPE ELBOWS (18")	361	CY	SUBDRAIN FINE AGGREGATE
2,056	LF	**** RC PIPE CULVERTS, CLASS ***** (15", V)	2,150	LF	6" PERFORATED SUBDRAIN PIPE
600	LF	**** RC PIPE CULVERTS, CLASS ***** (18", V)	5	EA	SUBDRAIN PIPE OUTLET
604	LF	**** RC PIPE CULVERTS, CLASS ***** (24", V)	30	LF	6" OUTLET PIPE
248	LF	**** RC PIPE CULVERTS, CLASS ***** (30", V)	20	TON	BLOTTING SAND
52	LF	**** RC PIPE CULVERTS, CLASS ***** (42", V)	9.4	CY	ENDWALLS
140	LF	15" RC PIPE CULVERTS, CLASS III	2	CY	PIPE COLLARS
324	LF	24" RC PIPE CULVERTS, CLASS III	59	CY	FLOWABLE FILL
52	LF	42" RC PIPE CULVERTS, CLASS III	109	EA	MASONRY DRAINAGE STRUCTURES
2,212	LF	15" RC PIPE CULVERTS, CLASS IV	39.8	LF	MASONRY DRAINAGE STRUCTURES
232	LF	18" RC PIPE CULVERTS, CLASS IV	2	EA	FRAME WITH GRATE, STD 840.***** (840.D13)
556	LF	24" RC PIPE CULVERTS, CLASS IV	11	EA	FRAME WITH TWO GRATES, STD 840.16
160	LF	15" CS PIPE CULVERTS, 0.064" THICK	1	EA	FRAME WITH TWO GRATES, STD 840.20
84	LF	24" CS PIPE CULVERTS, 0.064" THICK	30	EA	FRAME WITH TWO GRATES, STD 840.22
8	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	4	EA	FRAME WITH TWO GRATES, STD 840.24
			4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			26	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			22	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			6	EA	FRAME WITH COVER, STD 840.54
			1	EA	STEEL FRAME WITH TWO GRATES, STD 840.37

1	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	100	EA	SEQUENTIAL FLASHING WARNING LIGHTS
13	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	200	LF	BARRICADES (TYPE III)
2,920	LF	1'-6" CONCRETE CURB & GUTTER	60	DAY	FLAGGER
10,340	LF	2'-6" CONCRETE CURB & GUTTER	6	EA	TEMPORARY CRASH CUSHIONS
240	LF	CONCRETE EXPRESSWAY GUTTER	4	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
2,000	SY	4" CONCRETE SIDEWALK	8	EA	TMA
28	EA	CONCRETE CURB RAMPS	6,910	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
44	SY	4" CONCRETE PAVED DITCH	1,400	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
1,740	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	4,570	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)
114	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION	777	LF	WATER FILLED BARRIER
6,675	LF	STEEL BEAM GUARDRAIL	1,200	HR	LAW ENFORCEMENT
62.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	12	EA	GENERIC TRAFFIC CONTROL ITEM ADA BARRICADE (SAFETY RAIL)
87.5	LF	STEEL BEAM GUARDRAIL, DOUBLE FACED	2,380	EA	TEMPORARY RAISED PAVEMENT MARKERS
10	EA	ADDITIONAL GUARDRAIL POSTS	7,485	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
9	EA	GUARDRAIL END UNITS, TYPE CAT-1	6,628	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE III	22,334	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
13	EA	GUARDRAIL END UNITS, TYPE TL-3	7,594	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	994	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
5,869	LF	REMOVE EXISTING GUARDRAIL	1,281	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
70	EA	GENERIC GUARDRAIL ITEM EXTRA LENGTH GUARDRAIL POSTS (8' STEEL)	827	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
3,420	LF	WOVEN WIRE FENCE, 47" FABRIC	1,423	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
187	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	701	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
105	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
891	TON	RIP RAP, CLASS I	110	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
186	TON	RIP RAP, CLASS II	1,617	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
223	TON	RIP RAP, CLASS B	3,053	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
3,212	SY	GEOTEXTILE FOR DRAINAGE	85	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (II)
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	3	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
11	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	92,930	LF	PAINT PAVEMENT MARKING LINES (4")
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS	1,540	LF	PAINT PAVEMENT MARKING LINES (8")
107	CY	OVERHEAD FOOTING	1,420	LF	PAINT PAVEMENT MARKING LINES (24")
10,217	LB	SUPPORTS, BREAKAWAY STEEL BEAM	112	EA	PAINT PAVEMENT MARKING CHARACTER
1,614	LB	SUPPORTS, SIMPLE STEEL BEAM	333	EA	PAINT PAVEMENT MARKING SYMBOL
1,146	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	42,145	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"
1	EA	SUPPORTS, 2-LB STEEL U-CHANNEL	3,040	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 12"
5	EA	SIGN ERECTION, TYPE D	737,000	SF	WORK ZONE TRAFFIC PATTERN MASKING
73	EA	SIGN ERECTION, TYPE E	5,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
5	EA	SIGN ERECTION, TYPE F	20	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
15	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	289	EA	PERMANENT RAISED PAVEMENT MARKERS
3	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	453	EA	SNOWFLOWABLE PAVEMENT MARKERS
12	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	77	EA	FLEXIBLE DELINEATORS (CRYSTAL)
3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	73	EA	FLEXIBLE DELINEATORS (YELLOW)
1	EA	SIGN ERECTION, MILEMARKERS	10	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
6	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED)	3	EA	*** HIGH MOUNT STANDARD (70')
6	EA	DISPOSAL OF SUPPORT, STEEL BEAM	2	EA	100' HIGH MOUNT STANDARD
4	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1	EA	PORTABLE DRIVE UNIT
5	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	27.8	CY	HIGH MOUNT FOUNDATIONS
61	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	20	EA	LIGHT STANDARDS, TYPE MTLT ***** (30' SA, 10' ARM)
810	SF	WORK ZONE SIGNS (STATIONARY)	23	EA	LIGHT STANDARDS, TYPE MTLT ***** (45' SA, 15' ARM)
1,800	SF	WORK ZONE SIGNS (PORTABLE)	38	EA	STANDARD FOUNDATION ***** (R1)
454	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	5	EA	STANDARD FOUNDATION ***** (R2)
15	EA	FLASHING ARROW BOARD			
10	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
240	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)			
6	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS			
540	EA	DRUMS			

			565	LF	GENERIC UTILITY ITEM ABANDON EXISTING 16-INCH WATER DISTRIBUTION PIPE
1	EA	ELECTRIC SERVICE POLE ***** (30' CLASS 4)	3,700	LB	GENERIC UTILITY ITEM DUCTILE IRON FITTINGS
100	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)	Lump Sum	LS	GENERIC UTILITY ITEM REMOVAL OF TEMPORARY BYPASS PIPING
405	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	14,975	LF	TEMPORARY SILT FENCE
1,128	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")	600	TON	STONE FOR EROSION CONTROL, CLASS A
345	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")	3,675	TON	STONE FOR EROSION CONTROL, CLASS B
520	LF	** #6 W/G FEEDER CIRCUIT (2)	2,725	TON	SEDIMENT CONTROL STONE
700	LF	** #4 W/G FEEDER CIRCUIT (2)	41	ACR	TEMPORARY MULCHING
170	LF	** #2 W/G FEEDER CIRCUIT (2)	2,400	LB	SEED FOR TEMPORARY SEEDING
7,480	LF	** #6 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1.5)	14	TON	FERTILIZER FOR TEMPORARY SEED- ING
5,910	LF	** #4 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1.5)	2,235	LF	TEMPORARY SLOPE DRAINS
3,020	LF	** #2 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1.5)	200	LF	SAFETY FENCE
57	EA	ELECTRICAL JUNCTION BOXES ***** ELECTRICAL JUNCTION BOXES PC18	7,500	CY	SILT EXCAVATION
7	EA	ELECTRICAL JUNCTION BOXES ***** ELECTRICAL JUNCTION BOXES PC30	23,000	SY	MATTING FOR EROSION CONTROL
1	EA	ELECTRICAL JUNCTION BOXES ***** ELECTRICAL JUNCTION BOXES PC36	100	SY	COIR FIBER MAT
1	EA	GENERIC LIGHTING ITEM COMMUNICATION GATEWAY	2,400	SY	PERMANENT SOIL REINFORCEMENT MAT
73	EA	GENERIC LIGHTING ITEM CONTROL NODE	4,950	LF	1/4" HARDWARE CLOTH
30	EA	GENERIC LIGHTING ITEM HIGH MOUNT LUMINAIRE - LED	65	LF	*** TEMPORARY PIPE (36")
1	EA	GENERIC LIGHTING ITEM LIGHTING CONTROL SYSTEM	4	EA	SPECIAL STILLING BASINS
43	EA	GENERIC LIGHTING ITEM ROADWAY LIGHT STANDARD LUMINAL RE - 285W LED	1,388	LF	WATTLE
1	EA	GENERIC UTILITY ITEM 16 INCH INSERTION VALVE	960	LB	POLYACRYLAMIDE (PAM)
1	EA	GENERIC UTILITY ITEM 16 INCH LINE STOP	2,200	LF	COIR FIBER BAFFLE
1	EA	GENERIC UTILITY ITEM ARV MANHOLE ASSEMBLY (POTABLE WATER)	7	EA	*** SKIMMER (1-1/2")
2	EA	GENERIC UTILITY ITEM BYPASS CONNECTION ASSEMBLY ABANDONMENT	3	EA	*** SKIMMER (2")
1	EA	GENERIC UTILITY ITEM COMBINATION AIR VALVE ASSEMBLY (SANITARY)	41	ACR	SEEDING & MULCHING
2	EA	GENERIC UTILITY ITEM CONNECTION TO EXISTING 16-INCH WATER MAIN	21	ACR	MOWING
2	EA	GENERIC UTILITY ITEM CONNECTION TO EXISTING 6-INCH FORCE MAIN	400	LB	SEED FOR REPAIR SEEDING
6	EA	GENERIC UTILITY ITEM THRUST COLLAR	1.25	TON	FERTILIZER FOR REPAIR SEEDING
600	LF	GENERIC UTILITY ITEM 16 INCH CLASS 350 DUCTILE IRON WATER DISTRIBUTION PIPE	1,025	LB	SEED FOR SUPPLEMENTAL SEEDING
45	LF	GENERIC UTILITY ITEM 16-INCH CLASS 350 DUCTILE IRON CARRIER PIPE	30.5	TON	FERTILIZER TOPDRESSING
45	LF	GENERIC UTILITY ITEM 16-INCH ENCASEMENT PIPE, BY OPEN CUT	100	LF	IMPERVIOUS DIKE
410	LF	GENERIC UTILITY ITEM 16-INCH RESTRAINED JOINT ADDER FOR DUCTILE IRON WATER PIPE	10	MHR	SPECIALIZED HAND MOWING
45	LF	GENERIC UTILITY ITEM 30-INCH ENCASEMENT PIPE, BY OPEN CUT	25	EA	RESPONSE FOR EROSION CONTROL
45	LF	GENERIC UTILITY ITEM 6-INCH C-900 DR 18 PVC CARRIER PIPE	4	EA	CONCRETE WASHOUT STRUCTURE
800	LF	GENERIC UTILITY ITEM 6-INCH C-900 DR 18 PVC RE- TRAINED JOINT FORCE MAIN	0.25	ACR	REFORESTATION
			40	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
			20	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
			10	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
			12,855	LF	SIGNAL CABLE
			59	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			19	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
			4	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
			1,300	LF	MESSENGER CABLE (1/4")
			2,700	LF	MESSENGER CABLE (3/8")
			12,800	LF	TRACER WIRE
			8,000	LF	UNPAVED TRENCHING (***** (1, 2")
			8,450	LF	UNPAVED TRENCHING (***** (2, 2")
			2,500	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
			750	LF	DIRECTIONAL DRILL (***** (1, 2")
			1,225	LF	DIRECTIONAL DRILL (***** (2, 2")
			62	EA	JUNCTION BOX (STANDARD SIZE)
			21	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
			10	EA	WOOD POLE
			32	EA	GUY ASSEMBLY
			2	EA	1/2" RISER WITH WEATHERHEAD
			3	EA	1" RISER WITH WEATHERHEAD
			13	EA	2" RISER WITH WEATHERHEAD
			3	EA	HEAT SHRINK TUBING RETROFIT KIT
			2	EA	2" RISER WITH HEAT SHRINK TUBING
			10,650	LF	INDUCTIVE LOOP SAWCUT
			30,550	LF	LEAD-IN CABLE (***** (14-2)
			9,250	LF	COMMUNICATIONS CABLE (**FIBER) (144)

			1	EA	CSL TESTING	
			30,049	SF	REINFORCED CONCRETE DECK SLAB	
			33,031	SF	GROOVING BRIDGE FLOORS	
4,275	LF	COMMUNICATIONS CABLE (**FIBER) (36)	317.3	CY	CLASS A CONCRETE (BRIDGE)	
1,775	LF	DROP CABLE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (50+61.09-L-)	
8	EA	SPLICE ENCLOSURE	55,201	LB	REINFORCING STEEL (BRIDGE)	
2	EA	MODIFY SPLICE ENCLOSURE	4,610	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	
7	EA	INTERCONNECT CENTER	1,197,800	LS	APPROX LBS STRUCTURAL STEEL	
23	EA	DELINEATOR MARKER	40	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)	
4	EA	METAL STRAIN SIGNAL POLE				
4	EA	METAL POLE WITH SINGLE MAST ARM	530	LF	HP12X53 STEEL PILES	
2	EA	METAL POLE WITH DUAL MAST ARM	563.94	LF	TWO BAR METAL RAIL	
9	EA	SOIL TEST	579.55	LF	1'***X ***** CONCRETE PARA- PET (1'-2" X 3'-3")	
54	CY	DRILLED PIER FOUNDATION	1,035	SY	4" SLOPE PROTECTION	
5	EA	MAST ARM WITH METAL POLE DE- SIGN	Lump Sum	LS	DISC BEARINGS	
38	EA	SIGN FOR SIGNALS	Lump Sum	LS	ELASTOMERIC BEARINGS	
3	EA	TYPE I POST WITH FOUNDATION				
5	EA	TYPE II PEDESTAL WITH FOUND- ATION				
1	EA	LED BLANKOUT SIGN				
4	EA	SIGNAL CABINET FOUNDATION				
30	EA	DETECTOR CARD (NEMA TS-2)				
4	EA	METAL POLE FOUNDATION REMOVAL				
4	EA	METAL POLE REMOVAL				
3	EA	GENERIC SIGNAL ITEM 2.4GHZ BROADBAND ETHERNET RADIO				
1	EA	GENERIC SIGNAL ITEM ANALOG CCTV CAMERA ASSEMBLY				
2	EA	GENERIC SIGNAL ITEM CCTV ELECTRICAL SERVICE				
1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE (40')				
1	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE (60')				
1	EA	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY				
1	EA	GENERIC SIGNAL ITEM FIBER OPTIC VIDEO TRANSCEIVER W/DATE RECEIVER				
2	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET				
1	EA	GENERIC SIGNAL ITEM FIELD VIDEO ENCODER				
7	EA	GENERIC SIGNAL ITEM JUNCTION BOX (SPECIAL OVER- SIZED, HEAVY DUTY)				
1	EA	GENERIC SIGNAL ITEM MODIFY ETHERNET RADIO INSTALL- ATION				
4	EA	GENERIC SIGNAL ITEM NEMA TS-2, TYPE I CABINET, BASE MOUNTED, W/2070LN2 CONT- ROLLER				
2	EA	GENERIC SIGNAL ITEM REMOVE RADIO INSTALLATION				
1	EA	GENERIC SIGNAL ITEM SOIL TEST FOR CCTV METAL POLE				
6	CY	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION FOR CCTV METAL POLE				

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (67+46.44-Y-)			
45	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT			
72.4	CY	CLASS A CONCRETE (CULVERT)			
10,265	LB	REINFORCING STEEL (CULVERT)			

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (50+61.09-L-)			
Lump Sum	LS	ASBESTOS ASSESSMENT			
240	LF	PILE EXCAVATION IN SOIL			
160	LF	PILE EXCAVATION NOT IN SOIL			
29.82	LF	3'-0" DIA DRILLED PIERS IN SOIL			
75	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL			
1	EA	PDA TESTING			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L180220 004

CONTRACT ID : C204015 46874.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 0.908 MI

COUNTY : ROBESON

GRADING, DRAINAGE, PAVING, AND SIGNALS.

DBE GOAL 11.0% COMPLETION DATE : MAR 29 2020

SR-1340 (NORTH ODUM ST/PROSPECT ST) FROM NC-711 (THIRD ST) TO SR-1566 (CORINTH RD).

ROADWAY ITEMS					
			8,010	LF	1'-6" CONCRETE CURB & GUTTER
			5,640	LF	2'-6" CONCRETE CURB & GUTTER
			3,660	SY	4" CONCRETE SIDEWALK
			70	EA	CONCRETE CURB RAMP
			20	SY	6" CONCRETE DRIVEWAY
			1,120	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			470	SY	GENERIC PAVING ITEM
					7" CONCRETE TRUCK APRON
			13	EA	ADJUSTMENT OF MANHOLES
			15	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			190	LF	GENERIC FENCING ITEM
					VINYL 3 RAIL FENCE RESET
			60	TON	RIP RAP, CLASS I
			20	TON	RIP RAP, CLASS B
			470	SY	GEOTEXTILE FOR DRAINAGE
			1,250	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			108	EA	SIGN ERECTION, TYPE E
			38	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			147	SF	WORK ZONE SIGNS (STATIONARY)
			632	SF	WORK ZONE SIGNS (PORTABLE)
			36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			4	EA	FLASHING ARROW BOARD
			2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			375	EA	DRUMS
			400	EA	CONES
			112	LF	BARRICADES (TYPE III)
			1,920	HR	FLAGGER
			2	EA	TMA
			1,344	LF	WATER FILLED BARRIER
			40	HR	LAW ENFORCEMENT
			400	EA	SKINNY DRUM
			180	EA	TEMPORARY RAISED PAVEMENT MARKERS
			19,019	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			3,588	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			933	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
			629	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
			210	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
			1,766	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			30	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			57	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			93	LF	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			32	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			22,344	LF	PAINT PAVEMENT MARKING LINES (4")
			826	LF	PAINT PAVEMENT MARKING LINES (8")
			105	LF	PAINT PAVEMENT MARKING LINES (12")
			130	LF	PAINT PAVEMENT MARKING LINES (16")
			1,940	LF	PAINT PAVEMENT MARKING LINES (24")
			8	EA	PAINT PAVEMENT MARKING CHARACTER
			84	EA	PAINT PAVEMENT MARKING SYMBOL
			33,910	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			42	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
			171	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GRADING			
200	CY	UNDERCUT EXCAVATION			
200	CY	SELECT GRANULAR MATERIAL			
1,500	SY	GEOTEXTILE FOR SOIL STABILIZATION			
890	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
3,030	SY	FOUNDATION CONDITIONING GEOTEXTILE			
1,636	LF	15" RC PIPE CULVERTS, CLASS III			
344	LF	18" RC PIPE CULVERTS, CLASS III			
1,152	LF	24" RC PIPE CULVERTS, CLASS III			
688	LF	30" RC PIPE CULVERTS, CLASS III			
1,044	LF	36" RC PIPE CULVERTS, CLASS III			
136	LF	42" RC PIPE CULVERTS, CLASS III			
212	LF	48" RC PIPE CULVERTS, CLASS III			
320	LF	15" RC PIPE CULVERTS, CLASS IV			
116	LF	24" RC PIPE CULVERTS, CLASS IV			
436	LF	36" RC PIPE CULVERTS, CLASS IV			
68	LF	42" RC PIPE CULVERTS, CLASS IV			
588	LF	GENERIC PIPE ITEM			
		4" PVC IRRIGATION CONDUIT			
3,136	LF	PIPE REMOVAL			
400	CY	SHALLOW UNDERCUT			
800	TON	CLASS IV SUBGRADE STABILIZATION			
140	TON	AGGREGATE BASE COURSE			
200	TON	INCIDENTAL STONE BASE			
13,800	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")			
1,010	SY	INCIDENTAL MILLING			
2,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
970	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C			
3,330	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
340	TON	ASPHALT BINDER FOR PLANT MIX			
225	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
100	TON	PATCHING EXISTING PAVEMENT			
3.6	CY	ENDWALLS			
0.798	CY	PIPE COLLARS			
85	EA	MASONRY DRAINAGE STRUCTURES			
38.8	LF	MASONRY DRAINAGE STRUCTURES			
11	EA	FRAME WITH TWO GRATES, STD 840.16			
2	EA	FRAME WITH TWO GRATES, STD 840.20			
2	EA	FRAME WITH TWO GRATES, STD 840.24			
18	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
26	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
20	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
3	EA	FRAME WITH COVER, STD 840.54			
6	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET			
510	LF	***X *** CONCRETE CURB (9" X 12")			

1,940	LF	6" WATER LINE
559	LF	8" WATER LINE
5,465	LB	DUCTILE IRON WATER PIPE FITTINGS
3	EA	6" VALVE
3	EA	8" VALVE
2	EA	RELOCATE WATER METER
5	EA	RECONNECT WATER METER
4	EA	RELOCATE FIRE HYDRANT
433	LF	8" SANITARY GRAVITY SEWER
112	LF	12" SANITARY GRAVITY SEWER
408	LF	6" FORCE MAIN SEWER
3	EA	SANITARY SEWER CLEAN-OUT
1,235	LB	DUCTILE IRON SEWER PIPE FITTINGS
7	EA	4' DIA UTILITY MANHOLE
4	LF	UTILITY MANHOLE WALL, 4' DIA
3	EA	REMOVE UTILITY MANHOLE
1	EA	GENERIC UTILITY ITEM BREAKDOWN & CAP EXISTING MAN- HOLE
1	EA	GENERIC UTILITY ITEM REMOVE EXISTING VAULT
Lump Sum	LS	GENERIC UTILITY ITEM 6" WATER METER ASSEMBLY IN VAULT
14,205	LF	TEMPORARY SILT FENCE
145	TON	STONE FOR EROSION CONTROL, CLASS A
130	TON	STONE FOR EROSION CONTROL, CLASS B
1,060	TON	SEDIMENT CONTROL STONE
26	ACR	TEMPORARY MULCHING
1,700	LB	SEED FOR TEMPORARY SEEDING
8.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
1,340	CY	SILT EXCAVATION
2,650	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
15	SY	PERMANENT SOIL REINFORCEMENT MAT
5,085	LF	1/4" HARDWARE CLOTH
440	LF	COIR FIBER WATTLE
135	LB	POLYACRYLAMIDE (PAM)
75	LF	COIR FIBER BAFFLE
24	ACR	SEEDING & MULCHING
15	ACR	MOWING
300	LB	SEED FOR REPAIR SEEDING
0.75	TON	FERTILIZER FOR REPAIR SEEDING
550	LB	SEED FOR SUPPLEMENTAL SEEDING
16.5	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
5	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
40	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
20	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
8	EA	PEDESTRIAN SIGNAL HEAD (**", ** SECTION) (16", 1 SECTION W/ COUNTDOWN)
1,000	LF	SIGNAL CABLE
100	LF	UNPAVED TRENCHING (***** (1, 2")
50	LF	UNPAVED TRENCHING (***** (2, 2")
30	LF	DIRECTIONAL DRILL (***** (1, 2")
6	EA	JUNCTION BOX (STANDARD SIZE)
700	LF	INDUCTIVE LOOP SAWCUT
900	LF	LEAD-IN CABLE (***** (14-2)
1	EA	SIGN FOR SIGNALS
8	EA	TYPE II PEDESTAL WITH FOUND- ATION
4	EA	DETECTOR CARD (TYPE 2070L)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L180220 005

CONTRACT ID : C204115 53086.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 1.196 MI

COUNTY : COLUMBUS

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 9.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

INTERCHANGE AT US-74/76 AND SR-1001 (HALLSBORO RD).

ROADWAY ITEMS				
			20,010	LF MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
			5,399	CY SUBDRAIN EXCAVATION
			18,550	SY GEOTEXTILE FOR SUBSURFACE DRAINS
			933	CY SUBDRAIN FINE AGGREGATE
			3,117	CY SUBDRAIN COARSE AGGREGATE
			24,100	LF 6" PERFORATED SUBDRAIN PIPE
			50	EA SUBDRAIN PIPE OUTLET
			300	LF 6" OUTLET PIPE
			8	CY ENDWALLS
			42.1	CY REINFORCED ENDWALLS
			2.7	CY PIPE COLLARS
			16	EA MASONRY DRAINAGE STRUCTURES
			8	EA FRAME WITH TWO GRATES, STD 840.22
			9	EA FRAME WITH TWO GRATES, STD 840.29
			553	LF SHOULDER BERM GUTTER
			140	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			675	LF STEEL BEAM GUARDRAIL
			10	EA ADDITIONAL GUARDRAIL POSTS
			2	EA GUARDRAIL END UNITS, TYPE CAT-1
			6	EA GUARDRAIL END UNITS, TYPE TL-3
			4	EA GUARDRAIL ANCHOR UNITS, TYPE B-77
			514	LF REMOVE EXISTING GUARDRAIL
			9,690	LF WOVEN WIRE FENCE, 47" FABRIC
			615	EA 4" TIMBER FENCE POSTS, 7'-6" LONG
			145	EA 5" TIMBER FENCE POSTS, 8'-0" LONG
			500	LF ADDITIONAL BARBED WIRE
			245	TON RIP RAP, CLASS I
			36	TON RIP RAP, CLASS B
			1,740	SY GEOTEXTILE FOR DRAINAGE
			3	CY REINFORCED CONCRETE SIGN FOUNDATIONS
			1	CY PLAIN CONCRETE SIGN FOUNDATIONS
			2,701	LB SUPPORTS, BREAKAWAY STEEL BEAM
			657	LB SUPPORTS, SIMPLE STEEL BEAM
			1,170	LF SUPPORTS, 3-LB STEEL U-CHANNEL
			2	EA SUPPORTS, 2-LB STEEL U-CHANNEL
			6	EA SIGN ERECTION, TYPE D
			28	EA SIGN ERECTION, TYPE E
			8	EA SIGN ERECTION, TYPE F
			6	EA SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
			4	EA SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
			2	EA SIGN ERECTION, MILEMARKERS
			1	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			335	SF WORK ZONE SIGNS (STATIONARY)
			384	SF WORK ZONE SIGNS (PORTABLE)
			102	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
			4	EA FLASHING ARROW BOARD
			2	EA PORTABLE CHANGEABLE MESSAGE SIGN
			275	EA DRUMS
			50	EA CONES
			160	LF BARRICADES (TYPE III)
			180	DAY FLAGGER
			2	EA TEMPORARY CRASH CUSHIONS
			2	EA TMA
			520	LF PORTABLE CONCRETE BARRIER
			120	HR LAW ENFORCEMENT
			50	EA SKINNY DRUM
			806	EA TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)		
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING		
27,000	CY	UNCLASSIFIED EXCAVATION		
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (30+02)		
15,900	CY	UNDERCUT EXCAVATION		
141,600	CY	BORROW EXCAVATION		
11,800	CY	DRAINAGE DITCH EXCAVATION		
6,690	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT		
4,200	SY	BREAKING OF EXISTING ASPHALT PAVEMENT		
15,850	CY	SELECT GRANULAR MATERIAL		
22,870	SY	GEOTEXTILE FOR SOIL STABILIZATION		
400	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		
1,250	SY	FOUNDATION CONDITIONING GEOTEXTILE		
200	LF	15" SIDE DRAIN PIPE		
204	LF	18" SIDE DRAIN PIPE		
496	LF	15" RC PIPE CULVERTS, CLASS III		
396	LF	18" RC PIPE CULVERTS, CLASS III		
52	LF	24" RC PIPE CULVERTS, CLASS III		
320	LF	54" RC PIPE CULVERTS, CLASS III		
276	LF	***** RC PIPE CULVERTS, CLASS IV (48")		
432	LF	***** RC PIPE CULVERTS, CLASS IV (54")		
360	LF	***** RC PIPE CULVERTS, CLASS IV (60")		
288	LF	***** RC PIPE CULVERTS, CLASS IV (72")		
104	LF	15" RC PIPE CULVERTS, CLASS IV		
300	LF	18" RC PIPE CULVERTS, CLASS IV		
20	LF	24" RC PIPE CULVERTS, CLASS IV		
76	LF	30" RC PIPE CULVERTS, CLASS IV		
220	LF	15" CS PIPE CULVERTS, 0.064" THICK		
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")		
640	LF	PIPE REMOVAL		
150	SY	6" SLOPE PROTECTION		
Lump Sum	LS	FINE GRADING		
2,250	CY	SHALLOW UNDERCUT		
4,340	TON	CLASS IV SUBGRADE STABILIZATION		
17,300	TON	AGGREGATE BASE COURSE		
200	TON	INCIDENTAL STONE BASE		
2,700	GAL	PRIME COAT		
1,810	SY	INCIDENTAL MILLING		
4,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		
9,330	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C		
5,500	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		
7,790	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		
1,445	TON	ASPHALT BINDER FOR PLANT MIX		
100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		

			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (30+02.30-Y-)
17,493	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	20,870	LB	REINFORCING STEEL (BRIDGE)
9,253	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	2,079	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
19,986	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	861.33	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
3,225	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	36	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (30+02.30-Y-)
871	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	2,835	LF	HP12X53 STEEL PILES
2,484	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	19	EA	PILE REDRIVES
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	433.32	LF	CONCRETE BARRIER RAIL
36	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	830	SY	4" SLOPE PROTECTION
30	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	Lump Sum	LS	ELASTOMERIC BEARINGS
23,407	LF	PAINT PAVEMENT MARKING LINES (4")			
41,546	LF	PAINT PAVEMENT MARKING LINES (6")			
500	LF	PAINT PAVEMENT MARKING LINES (8")			
2,868	LF	PAINT PAVEMENT MARKING LINES (12")			
257	LF	PAINT PAVEMENT MARKING LINES (24")			
47	EA	PAINT PAVEMENT MARKING SYMBOL			
2,544	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
489	EA	PERMANENT RAISED PAVEMENT MARKERS			
48,970	LF	TEMPORARY SILT FENCE			
580	TON	STONE FOR EROSION CONTROL, CLASS A			
2,970	TON	STONE FOR EROSION CONTROL, CLASS B			
1,840	TON	SEDIMENT CONTROL STONE			
51.5	ACR	TEMPORARY MULCHING			
2,500	LB	SEED FOR TEMPORARY SEEDING			
13.5	TON	FERTILIZER FOR TEMPORARY SEED- ING			
1,490	LF	TEMPORARY SLOPE DRAINS			
6,600	LF	SAFETY FENCE			
9,350	CY	SILT EXCAVATION			
41,000	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
360	LF	1/4" HARDWARE CLOTH			
210	SY	LOW PERMEABILITY GEOTEXTILE			
8	EA	SPECIAL STILLING BASINS			
5,880	LF	COIR FIBER WATTLE			
2,070	LB	POLYACRYLAMIDE (PAM)			
1,325	LF	COIR FIBER BAFFLE			
4	EA	*** SKIMMER (1-1/2")			
5	EA	*** SKIMMER (2")			
45	ACR	SEEDING & MULCHING			
42	ACR	MOWING			
550	LB	SEED FOR REPAIR SEEDING			
1.75	TON	FERTILIZER FOR REPAIR SEEDING			
1,100	LB	SEED FOR SUPPLEMENTAL SEEDING			
32.5	TON	FERTILIZER TOPDRESSING			
304	LF	IMPERVIOUS DIKE			
10	MHR	SPECIALIZED HAND MOWING			
32	EA	RESPONSE FOR EROSION CONTROL			
8	EA	CONCRETE WASHOUT STRUCTURE			

CULVERT ITEMS

6.7	CY	CLASS A CONCRETE (CULVERT)
520	LB	REINFORCING STEEL (CULVERT)

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 30+02.30-Y-)
1	EA	PDA TESTING
8,570	SF	REINFORCED CONCRETE DECK SLAB
8,085	SF	GROOVING BRIDGE FLOORS
140.8	CY	CLASS A CONCRETE (BRIDGE)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 006

CONTRACT ID : C204063 46085.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.057 MI

COUNTY : UNION

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 1.0% WBE 5.0% COMPLETION DATE : MAR 30 2019

BRIDGE #444 OVER EAST FORK STEWARTS CREEK ON SR-1506.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
450	CY	UNDERCUT EXCAVATION
400	CY	SELECT GRANULAR MATERIAL
600	SY	GEOTEXTILE FOR SOIL STABILIZATION
6	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
20	SY	FOUNDATION CONDITIONING GEOTEXTILE
56	LF	15" SIDE DRAIN PIPE
28	LF	PIPE REMOVAL
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZATION
45	TON	AGGREGATE BASE COURSE
300	TON	INCIDENTAL STONE BASE
125	SY	INCIDENTAL MILLING
160	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
110	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
130	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
22	TON	ASPHALT BINDER FOR PLANT MIX
100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
44.8	CY	SUBDRAIN EXCAVATION
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
33.6	CY	SUBDRAIN COARSE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
400	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL END UNITS, TYPE TL-3
300	LF	** STRAND BARBED WIRE FENCE WITH POSTS (4)
225	TON	RIP RAP, CLASS II
475	SY	GEOTEXTILE FOR DRAINAGE
8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
438	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
30	EA	CONES
64	LF	BARRICADES (TYPE III)
2	DAY	FLAGGER
600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
600	LF	TEMPORARY SILT FENCE
60	TON	STONE FOR EROSION CONTROL, CLASS A
80	TON	STONE FOR EROSION CONTROL, CLASS B
35	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
50	CY	SILT EXCAVATION
1,500	SY	MATting FOR EROSION CONTROL
460	SY	COIR FIBER MAT
70	LF	1/4" HARDWARE CLOTH

225	LF	TEMPORARY PIPE FOR STREAM CROSSING
118	SY	FLOATING TURBIDITY CURTAIN
5	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLE
1	ACR	SEEDING & MULCHING
0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
213	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
7	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+16.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (18+16.00-L-)
119	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
177.3	CY	CLASS A CONCRETE (CULVERT)
19,738	LB	REINFORCING STEEL (CULVERT)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 007

CONTRACT ID : C204064 46086.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.369 MI

COUNTY : UNION

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 2.0% WBE 5.0% COMPLETION DATE : DEC 28 2019

BRIDGE #71 OVER CLEAR CREEK ON US-601.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (23+20 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
750	CY	UNDERCUT EXCAVATION
680	CY	DRAINAGE DITCH EXCAVATION
700	CY	SELECT GRANULAR MATERIAL
1,000	SY	GEOTEXTILE FOR SOIL STABILIZATION
40	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
130	SY	FOUNDATION CONDITIONING GEOTEXTILE
68	LF	*** SIDE DRAIN PIPE (30")
76	LF	15" SIDE DRAIN PIPE
132	LF	18" SIDE DRAIN PIPE
96	LF	15" RC PIPE CULVERTS, CLASS III
1	EA	*** PIPE END SECTION (15")
1	EA	*** PIPE END SECTION (18")
1	EA	*** PIPE END SECTION (30")
122	LF	PIPE REMOVAL
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZATION
1,876	TON	AGGREGATE BASE COURSE
200	TON	INCIDENTAL STONE BASE
135	SY	INCIDENTAL MILLING
1,890	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,330	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1,120	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
215	TON	ASPHALT BINDER FOR PLANT MIX
100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
10	EA	RIGHT-OF-WAY MARKERS
44.8	CY	SUBDRAIN EXCAVATION
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
33.6	CY	SUBDRAIN COARSE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
1	EA	MASONRY DRAINAGE STRUCTURES
3.8	LF	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.20
12	LF	SHOULDER BERM GUTTER
700	LF	STEEL BEAM GUARDRAIL
8	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL END UNITS, TYPE TL-3
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
1,532	LF	REMOVE EXISTING GUARDRAIL
360	LF	WOVEN WIRE FENCE, 47" FABRIC
22	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
8	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
195	TON	RIP RAP, CLASS I
135	TON	RIP RAP, CLASS II
25	TON	RIP RAP, CLASS B
785	SY	GEOTEXTILE FOR DRAINAGE

9	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (D)
29.25	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
90	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
4	EA	SIGN ERECTION, TYPE E
6	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
124	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
64	EA	DRUMS
177	EA	CONES
16	LF	BARRICADES (TYPE III)
30	DAY	FLAGGER
3,503	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
3,504	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
793	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
7,800	LF	PAINT PAVEMENT MARKING LINES (4")
24	EA	PERMANENT RAISED PAVEMENT MARKERS
4,900	LF	TEMPORARY SILT FENCE
60	TON	STONE FOR EROSION CONTROL, CLASS A
400	TON	STONE FOR EROSION CONTROL, CLASS B
360	TON	SEDIMENT CONTROL STONE
4.5	ACR	TEMPORARY MULCHING
400	LB	SEED FOR TEMPORARY SEEDING
3	TON	FERTILIZER FOR TEMPORARY SEEDING
400	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
900	CY	SILT EXCAVATION
6,000	SY	MATTING FOR EROSION CONTROL
570	SY	COIR FIBER MAT
1,500	SY	PERMANENT SOIL REINFORCEMENT MAT
705	LF	1/4" HARDWARE CLOTH
6	EA	SPECIAL STILLING BASINS
120	LF	COIR FIBER WATTLE
20	LB	POLYACRYLAMIDE (PAM)
270	LF	COIR FIBER BAFFLE
1	EA	*** SKIMMER (1-1/2")
1	EA	*** SKIMMER (2")
6.2	ACR	SEEDING & MULCHING
3.1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
150	LB	SEED FOR SUPPLEMENTAL SEEDING
4.25	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
9	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (23+20.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (23+20.00-L-)

Lump Sum	LS	ASBESTOS ASSESSMENT
63	LF	PILE EXCAVATION IN SOIL
80	LF	PILE EXCAVATION NOT IN SOIL
31	LF	3'-0" DIA DRILLED PIERS IN SOIL
43	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
28.8	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (23+20.00-L-)
6,488	SF	REINFORCED CONCRETE DECK SLAB
7,179	SF	GROOVING BRIDGE FLOORS
114.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+20.00-L-)
18,664	LB	REINFORCING STEEL (BRIDGE)
1,493	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
587.16	LF	54" PRESTRESSED CONCRETE GIRDERS
25	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
435	LF	HP12X53 STEEL PILES
300	LF	CONCRETE BARRIER RAIL
632	TON	RIP RAP CLASS II (2'-0" THICK)
701	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 008

CONTRACT ID : C204065 46088.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.086 MI

COUNTY : STANLY

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 1.0% WBE 5.0% COMPLETION DATE : FEB 18 2019

BRIDGE #44 OVER LONG CREEK ON SR-1435.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (13+70-L-)
Lump Sum	LS	GRADING
	1	ACR SUPPLEMENTARY CLEARING & GRUB- BING
	450	CY UNDERCUT EXCAVATION
	175	CY DRAINAGE DITCH EXCAVATION
	400	CY SELECT GRANULAR MATERIAL
	900	SY GEOTEXTILE FOR SOIL STABILIZA- TION
	10	TON FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
	20	SY FOUNDATION CONDITIONING GEO- TEXTILE
	36	LF 15" DRAINAGE PIPE
	11	LF PIPE REMOVAL
	100	CY SHALLOW UNDERCUT
	200	TON CLASS IV SUBGRADE STABILIZA- TION
	50	TON INCIDENTAL STONE BASE
	120	SY INCIDENTAL MILLING
	170	TON ASPHALT CONC BASE COURSE, TYPE B25.0C
	160	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B
	20	TON ASPHALT BINDER FOR PLANT MIX
	100	TON ASPHALT PLANT MIX, PAVEMENT REPAIR
	44.8	CY SUBDRAIN EXCAVATION
	200	SY GEOTEXTILE FOR SUBSURFACE DRAINS
	33.6	CY SUBDRAIN COARSE AGGREGATE
	200	LF 6" PERFORATED SUBDRAIN PIPE
	1	EA SUBDRAIN PIPE OUTLET
	6	LF 6" OUTLET PIPE
	2	EA MASONRY DRAINAGE STRUCTURES
	2	EA FRAME WITH GRATE, STD 840.29
	32	LF SHOULDER BERM GUTTER
	75	LF STEEL BEAM GUARDRAIL
	4	EA ADDITIONAL GUARDRAIL POSTS
	4	EA GUARDRAIL ANCHOR UNITS, TYPE III
	4	EA GUARDRAIL END UNITS, TYPE TL-2
	5	TON RIP RAP, CLASS I
	140	TON RIP RAP, CLASS II
	460	SY GEOTEXTILE FOR DRAINAGE
	14.75	SF CONTRACTOR FURNISHED, TYPE *** SIGN (E)
	30	LF SUPPORTS, 3-LB STEEL U-CHANNEL
	3	EA SIGN ERECTION, TYPE E
	10	EA DISPOSAL OF SIGN SYSTEM, U- CHANNEL
	356	SF WORK ZONE SIGNS (STATIONARY)
	94	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
	64	LF BARRICADES (TYPE III)
	3,640	LF PAINT PAVEMENT MARKING LINES (4")
	1,100	LF TEMPORARY SILT FENCE
	60	TON STONE FOR EROSION CONTROL, CLASS A
	100	TON STONE FOR EROSION CONTROL, CLASS B
	80	TON SEDIMENT CONTROL STONE
	1	ACR TEMPORARY MULCHING
	100	LB SEED FOR TEMPORARY SEEDING
	0.5	TON FERTILIZER FOR TEMPORARY SEED- ING
	200	LF TEMPORARY SLOPE DRAINS
	200	LF SAFETY FENCE

200	CY	SILT EXCAVATION
1,450	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
115	LF	1/4" HARDWARE CLOTH
2	EA	SPECIAL STILLING BASINS
70	LF	COIR FIBER WATTLE
90	LF	COIR FIBER WATTLE BARRIER
10	LB	POLYACRYLAMIDE (PAM)
85	LF	COIR FIBER BAFFLE
1	ACR	SEEDING & MULCHING
0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.5	TON	FERTILIZER TOPDRESSING
175	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
7	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+70.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
	79	LF PILE EXCAVATION IN SOIL
	63	LF PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (13+70.00-L-)
	49.2	CY CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+70.00-L-)
	5,944	LB REINFORCING STEEL (BRIDGE)
	14	EA PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
	210	LF HP12X53 STEEL PILES
	140	LF 42" OREGON RAIL
	289	TON RIP RAP CLASS II (2'-0" THICK)
	322	SY GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
	770	LF 3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L180220 009

CONTRACT ID : C204066 46089.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.174 MI

COUNTY : UNION

GRADING, DRAINAGE, PAVING, AND CULVERT.

DBE GOAL 7.0% COMPLETION DATE : MAR 20 2019

BRIDGE #448 OVER BUFFALO CREEK ON SR-2154.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
650	CY	UNDERCUT EXCAVATION
120	CY	DRAINAGE DITCH EXCAVATION
600	CY	SELECT GRANULAR MATERIAL
900	SY	GEOTEXTILE FOR SOIL STABILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
30	SY	FOUNDATION CONDITIONING GEOTEXTILE
88	LF	18" RC PIPE CULVERTS, CLASS III
79	LF	PIPE REMOVAL
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	INCIDENTAL STONE BASE
110	SY	INCIDENTAL MILLING
500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
390	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
50	TON	ASPHALT BINDER FOR PLANT MIX
100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
44.8	CY	SUBDRAIN EXCAVATION
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
33.6	CY	SUBDRAIN COARSE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
625	LF	STEEL BEAM GUARDRAIL
4	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL END UNITS, TYPE TL-2
300	TON	RIP RAP, CLASS II
510	SY	GEOTEXTILE FOR DRAINAGE
162	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
12	EA	DRUMS
56	EA	CONES
16	LF	BARRICADES (TYPE III)
12	DAY	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
240	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
1,118	LF	PAINT PAVEMENT MARKING LINES (4")
400	LF	TEMPORARY SILT FENCE
35	TON	STONE FOR EROSION CONTROL, CLASS A
100	TON	STONE FOR EROSION CONTROL, CLASS B
110	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
210	CY	SILT EXCAVATION
3,820	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
500	SY	PERMANENT SOIL REINFORCEMENT MAT
225	LF	1/4" HARDWARE CLOTH
165	LF	*** TEMPORARY PIPE (30")

2	EA	SPECIAL STILLING BASINS
130	LF	COIR FIBER WATTLE
60	LF	COIR FIBER WATTLE BARRIER
30	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLE
1.5	ACR	SEEDING & MULCHING
0.75	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
80	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
1	EA	CONCRETE WASHOUT STRUCTURE

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+40.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
111	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
212	CY	CLASS A CONCRETE (CULVERT)
24,886	LB	REINFORCING STEEL (CULVERT)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 010

CONTRACT ID : C204062 42328.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.116 MI

COUNTY : MITCHELL

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : APR 13 2019

BRIDGE #29 OVER ROCK CREEK ON NC-226.

ROADWAY ITEMS					
Lump Sum	LS	MOBILIZATION	25	LF	TEMPORARY STEEL BEAM GUARDRAIL (SHOP CURVED)
Lump Sum	LS	CONSTRUCTION SURVEYING	4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (15+54.50 -L-)	3	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-2)
100	CY	UNDERCUT EXCAVATION	1	EA	GENERIC GUARDRAIL ITEM TEMPORARY GUARDRAIL END UNITS, TYPE AT-1
Lump Sum	LS	GRADING	10	TON	RIP RAP, CLASS I
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	30	TON	RIP RAP, CLASS B
40	CY	DRAINAGE DITCH EXCAVATION	650	SY	GEOTEXTILE FOR DRAINAGE
100	CY	SELECT GRANULAR MATERIAL, CLASS III	6.25	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
200	SY	GEOTEXTILE FOR SOIL STABILIZATION	13	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
299	SF	TEMPORARY SHORING	1	EA	SIGN ERECTION, TYPE E
50	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	4	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
50	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	218	SF	WORK ZONE SIGNS (STATIONARY)
150	SY	FOUNDATION CONDITIONING GEOTEXTILE	112	SF	WORK ZONE SIGNS (PORTABLE)
36	LF	15" DRAINAGE PIPE	56	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
68	LF	18" DRAINAGE PIPE	1	EA	TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM
36	LF	24" DRAINAGE PIPE	42	EA	DRUMS
64	LF	18" RC PIPE CULVERTS, CLASS III	12	EA	CONES
76	LF	42" RC PIPE CULVERTS, CLASS III	48	LF	BARRICADES (TYPE III)
164	LF	18" RC PIPE CULVERTS, CLASS IV	46	DAY	FLAGGER
238	LF	PIPE REMOVAL	1	EA	TEMPORARY CRASH CUSHIONS
50	CY	SHALLOW UNDERCUT	120	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
80	TON	CLASS IV SUBGRADE STABILIZATION	20	EA	SKINNY DRUM
440	TON	AGGREGATE BASE COURSE	18	EA	TEMPORARY RAISED PAVEMENT MARKERS
50	TON	INCIDENTAL STONE BASE	20	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24") (II)
307	GAL	PRIME COAT	61	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24") (IV)
100	SY	INCIDENTAL MILLING	9,450	LF	PAINT PAVEMENT MARKING LINES (4")
560	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	38	LF	PAINT PAVEMENT MARKING LINES (24")
490	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	3,115	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
55	TON	ASPHALT BINDER FOR PLANT MIX	750	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
60	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	15	EA	SNOWPLOWABLE PAVEMENT MARKERS
2	EA	RIGHT-OF-WAY MARKERS	2,325	LF	TEMPORARY SILT FENCE
45	CY	SUBDRAIN EXCAVATION	225	TON	STONE FOR EROSION CONTROL, CLASS A
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	245	TON	STONE FOR EROSION CONTROL, CLASS B
34	CY	SUBDRAIN COARSE AGGREGATE	185	TON	SEDIMENT CONTROL STONE
200	LF	6" PERFORATED SUBDRAIN PIPE	0.7	ACR	TEMPORARY MULCHING
1	EA	SUBDRAIN PIPE OUTLET	100	LB	SEED FOR TEMPORARY SEEDING
6	LF	6" OUTLET PIPE	1.5	TON	FERTILIZER FOR TEMPORARY SEEDING
4.5	CY	ENDWALLS	200	LF	TEMPORARY SLOPE DRAINS
0.045	CY	PIPE PLUGS	600	LF	SAFETY FENCE
6	EA	MASONRY DRAINAGE STRUCTURES	550	CY	SILT EXCAVATION
3.6	LF	MASONRY DRAINAGE STRUCTURES	1,550	SY	MATTING FOR EROSION CONTROL
4	EA	FRAME WITH GRATE, STD 840.29	160	SY	COIR FIBER MAT
135	LF	GENERIC PAVING ITEM MODIFIED SHOULDER BERM GUTTER	255	LF	1/4" HARDWARE CLOTH
262.5	LF	STEEL BEAM GUARDRAIL	2	EA	SPECIAL STILLING BASINS
50	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	400	LF	WATTLE
5	EA	ADDITIONAL GUARDRAIL POSTS	190	LF	COIR FIBER WATTLE BARRIER
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III, SHOP CURVED)	130	LB	POLYACRYLAMIDE (PAM)
2	EA	GUARDRAIL END UNITS, TYPE AT-1	100	LF	COIR FIBER BAFFLE
2	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1	EA	*** SKIMMER (1-1/2")
2	EA	GUARDRAIL END UNITS, TYPE TL-2	0.7	ACR	SEEDING & MULCHING
125	LF	TEMPORARY STEEL BEAM GUARDRAIL	0.35	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
2	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (12+71.50 -DET-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (15+54.50 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+54.50 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
45	LF	PILE EXCAVATION IN SOIL
38	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (15+54.50 -L-)
2,589	SF	CONCRETE WEARING SURFACE
3,426	SF	GROOVING BRIDGE FLOORS
84.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+54.50 -L-)
8,416	LB	REINFORCING STEEL (BRIDGE)
12	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12 X 53)
285	LF	HP12X53 STEEL PILES
12	EA	STEEL PILE POINTS
130.25	LF	VERTICAL CONCRETE BARRIER RAIL
164	TON	RIP RAP CLASS II (2'-0" THICK)
183	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
910	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L180220 011

CONTRACT ID : C203943 38593.3.1

DIV OFFICE SYLVA

LENGTH = 0.125 MI

COUNTY : TRANSYLVANIA

GRADING, DRAINAGE, PAVING, AND CULVERT.

DBE GOAL 4.0% COMPLETION DATE : APR 14 2019

BRIDGE #12 OVER HOGSED CREEK ON SR-1538.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
100	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
315	CY	DRAINAGE DITCH EXCAVATION
100	CY	SELECT GRANULAR MATERIAL, CLASS III
100	SY	GEOTEXTILE FOR SOIL STABILIZATION
316	SF	TEMPORARY SHORING
50	CY	SHALLOW UNDERCUT
80	TON	CLASS IV SUBGRADE STABILIZATION
200	TON	INCIDENTAL STONE BASE
450	SY	INCIDENTAL MILLING
300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
225	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
30	TON	ASPHALT BINDER FOR PLANT MIX
22	CY	SUBDRAIN EXCAVATION
100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
17	CY	SUBDRAIN COARSE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
200	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL END UNITS, TYPE TL-2
170	TON	RIP RAP, CLASS I
630	SY	GEOTEXTILE FOR DRAINAGE
148	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1	EA	TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM
25	EA	DRUMS
25	EA	CONES
16	LF	BARRICADES (TYPE III)
60	DAY	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
90	LF	PORTABLE CONCRETE BARRIER
200	LF	WATER FILLED BARRIER
95	EA	TEMPORARY RAISED PAVEMENT MARKERS
11,350	LF	PAINT PAVEMENT MARKING LINES (4")
40	LF	PAINT PAVEMENT MARKING LINES (24")
530	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,020	LF	TEMPORARY SILT FENCE
140	TON	STONE FOR EROSION CONTROL, CLASS A
320	TON	STONE FOR EROSION CONTROL, CLASS B
90	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
1	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
340	CY	SILT EXCAVATION
4,000	SY	MATTING FOR EROSION CONTROL
335	SY	COIR FIBER MAT
25	LF	1/4" HARDWARE CLOTH
130	LF	*** TEMPORARY PIPE (24")

135	CY	STILLING BASINS
120	LF	COIR FIBER WATTLE
55	LB	POLYACRYLAMIDE (PAM)
100	LF	COIR FIBER BAFFLE
2	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.25	TON	FERTILIZER TOPDRESSING
80	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
4	EA	CONCRETE WASHOUT STRUCTURE
0.2	ACR	REFORESTATION

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+23.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (17+23.00-L-)
99	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
161.9	CY	CLASS A CONCRETE (CULVERT)
19,725	LB	REINFORCING STEEL (CULVERT)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 012

CONTRACT ID : C204067 46120.3.1

DIV OFFICE SYLVA

LENGTH = 0.142 MI

COUNTY : TRANSYLVANIA

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 1.0% WBE 4.0% COMPLETION DATE : APR 30 2019

BRIDGE #139 OVER EAST BRANCH TOXAWAY CREEK ON SR-1139.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (14+27 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
350	CY	UNDERCUT EXCAVATION
350	CY	SELECT GRANULAR MATERIAL
350	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
960	SF	TEMPORARY SHORING
30	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
90	SY	FOUNDATION CONDITIONING GEO- TEXTILE
40	LF	15" DRAINAGE PIPE
2	EA	*** DRAINAGE PIPE ELBOWS (15")
24	LF	15" SIDE DRAIN PIPE
30	LF	18" SIDE DRAIN PIPE
80	LF	42" RC PIPE CULVERTS, CLASS III
72	LF	18" RC PIPE CULVERTS, CLASS IV
100	LF	PIPE REMOVAL
50	CY	SHALLOW UNDERCUT
100	TON	CLASS IV SUBGRADE STABILIZA- TION
200	TON	INCIDENTAL STONE BASE
280	SY	INCIDENTAL MILLING
500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
290	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
40	TON	ASPHALT BINDER FOR PLANT MIX
15	EA	RIGHT-OF-WAY MARKERS
45	CY	SUBDRAIN EXCAVATION
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
34	CY	SUBDRAIN COARSE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
4.5	CY	ENDWALLS
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.29
20	LF	SHOULDER BERM GUTTER
162.5	LF	STEEL BEAM GUARDRAIL
100	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL END UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
2	EA	GUARDRAIL END UNITS, TYPE TL-2
310	LF	TEMP *** WOVEN WIRE FENCE, COMPLETE W/POSTS (47")
15	TON	RIP RAP, CLASS I
135	TON	RIP RAP, CLASS II
25	TON	RIP RAP, CLASS B
660	SY	GEOTEXTILE FOR DRAINAGE
84	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
190	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
18	EA	SIGN ERECTION, TYPE E
8	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
156	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)

92	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1	EA	TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM
40	EA	DRUMS
48	LF	BARRICADES (TYPE III)
8	DAY	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
300	LF	PORTABLE CONCRETE BARRIER
8,000	LF	PAINT PAVEMENT MARKING LINES (4")
20	LF	PAINT PAVEMENT MARKING LINES (24")
1,925	LF	TEMPORARY SILT FENCE
175	TON	STONE FOR EROSION CONTROL, CLASS A
85	TON	STONE FOR EROSION CONTROL, CLASS B
80	TON	SEDIMENT CONTROL STONE
2	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
1	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
130	CY	SILT EXCAVATION
5,000	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
160	LF	1/4" HARDWARE CLOTH
15	LB	POLYACRYLAMIDE (PAM)
2	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.5	TON	FERTILIZER TOPDRESSING
120	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+27.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
52	LF	PILE EXCAVATION IN SOIL
88	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (14+27.00-L-)
45	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+27.00-L-)
5,512	LB	REINFORCING STEEL (BRIDGE)
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
210	LF	HP12X53 STEEL PILES
120	LF	1'-***X ***** CONCRETE PARA- PET (1'-2" X 2'-9 1/2")
136	TON	RIP RAP CLASS II (2'-0" THICK)
201	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
660	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS
105	LF	GENERIC STRUCTURE ITEM ANODIZED TWO BAR METAL RAIL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180220 013

CONTRACT ID : C204012 46121.3.1

DIV OFFICE SYLVA

LENGTH = 0.105 MI

COUNTY : MACON

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 2.0% WBE 5.0% COMPLETION DATE : MAR 14 2019

BRIDGE #67 OVER RABBIT CREEK ON SR-1513.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION *****		
Lump Sum	LS	GRADING		
	1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	
	350	CY	UNDERCUT EXCAVATION	
	550	CY	DRAINAGE DITCH EXCAVATION	
	350	CY	SELECT GRANULAR MATERIAL	
	350	SY	GEOTEXTILE FOR SOIL STABILIZA- TION	
	30	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	
	80	SY	FOUNDATION CONDITIONING GEO- TEXTILE	
	48	LF	18" SIDE DRAIN PIPE	
	28	LF	24" SIDE DRAIN PIPE	
	52	LF	18" RC PIPE CULVERTS, CLASS III	
	56	LF	42" RC PIPE CULVERTS, CLASS III	
	20	LF	15" CS PIPE CULVERTS, 0.064" THICK	
	16	LF	18" CS PIPE CULVERTS, 0.064" THICK	
	2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	
	2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	
	178	LF	PIPE REMOVAL	
	50	CY	SHALLOW UNDERCUT	
	100	TON	CLASS IV SUBGRADE STABILIZA- TION	
	200	TON	INCIDENTAL STONE BASE	
	210	SY	INCIDENTAL MILLING	
	490	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	
	390	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
	50	TON	ASPHALT BINDER FOR PLANT MIX	
	45	CY	SUBDRAIN EXCAVATION	
	200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	
	34	CY	SUBDRAIN COARSE AGGREGATE	
	200	LF	6" PERFORATED SUBDRAIN PIPE	
	1	EA	SUBDRAIN PIPE OUTLET	
	6	LF	6" OUTLET PIPE	
	4.5	CY	ENDWALLS	
	2	EA	MASONRY DRAINAGE STRUCTURES	
	1	EA	FRAME WITH TWO GRATES, STD 840.24	
	1	EA	FRAME WITH TWO GRATES, STD 840.29	
	15	LF	SHOULDER BERM GUTTER	
	87.5	LF	STEEL BEAM GUARDRAIL	
	75	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	
	5	EA	ADDITIONAL GUARDRAIL POSTS	
	1	EA	GUARDRAIL END UNITS, TYPE AT-1	
	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	
	3	EA	GUARDRAIL END UNITS, TYPE TL-2	
	310	LF	WOVEN WIRE FENCE, 47" FABRIC	
	20	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	
	20	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	
	1	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (47", 12', 12')	
	80	TON	RIP RAP, CLASS I	

200	TON	RIP RAP, CLASS II
170	TON	RIP RAP, CLASS B
1,360	SY	GEOTEXTILE FOR DRAINAGE
70	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
201	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
16	EA	SIGN ERECTION, TYPE E
12	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
392	SF	WORK ZONE SIGNS (STATIONARY)
128	SF	WORK ZONE SIGNS (PORTABLE)
107	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
40	EA	DRUMS
96	LF	BARRICADES (TYPE III)
16	DAY	FLAGGER
2	EA	GENERIC TRAFFIC CONTROL ITEM WARNING FLAGS
8,097	LF	PAINT PAVEMENT MARKING LINES (4")
106	LF	PAINT PAVEMENT MARKING LINES (24")
1,445	LF	TEMPORARY SILT FENCE
360	TON	STONE FOR EROSION CONTROL, CLASS A
260	TON	STONE FOR EROSION CONTROL, CLASS B
150	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
220	CY	SILT EXCAVATION
4,000	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
220	LF	1/4" HARDWARE CLOTH
220	LF	COIR FIBER WATTLE BARRIER
60	LB	POLYACRYLAMIDE (PAM)
15	LF	COIR FIBER BAFFLE
2	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
8	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+86.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
25	LF	PILE EXCAVATION IN SOIL
45	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (13+86.00-L-)
44.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+86.00-L-)
5,434	LB	REINFORCING STEEL (BRIDGE)
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
225	LF	HP12X53 STEEL PILES
14	EA	STEEL PILE POINTS

140	LF	1'-***X ***** CONCRETE PARA- PET (1'-2" X 2'-9 1/2")
260	TON	RIP RAP CLASS II (2'-0" THICK)
290	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
770	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS
124.4	LF	GENERIC STRUCTURE ITEM ANODIZED TWO BAR METAL RAIL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180320 001

CONTRACT ID : C204096 34821.3.7

DIV OFFICE GREENSBORO

LENGTH = 5.265 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING, SIGNALS, ITS, AND STRUCTURES.

MBE GOAL 5.0% WBE 6.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

GREENSBORO EASTERN LOOP FROM US-29 NORTH OF GREENSBORO TO SR-2303 (LAWNDALE DR).

ROADWAY ITEMS						
Lump Sum	LS	MOBILIZATION		Lump Sum	LS	GENERIC GRADING ITEM
Lump Sum	LS	CONSTRUCTION SURVEYING				MEDIA FILTER BASIN (NO 5)
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)		Lump Sum	LS	GENERIC GRADING ITEM
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING				MEDIA FILTER BASIN (NO 6)
10	EA	SEALING ABANDONED WELLS		Lump Sum	LS	GENERIC GRADING ITEM
2,300,000	CY	UNCLASSIFIED EXCAVATION				MEDIA FILTER BASIN (NO 9)
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (25+52.71 -Y7-)		Lump Sum	LS	GENERIC GRADING ITEM
						REMOVAL & DISPOSAL OF 5 FOAM FILLED USTS
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (337+20.09 -L- LT)		Lump Sum	LS	GENERIC GRADING ITEM
						SETTLEMENT MONITORING ASSIST AT STR 7 (BR 1246) - END BENT 1
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (337+20.09 -L- RT)		Lump Sum	LS	GENERIC GRADING ITEM
						SETTLEMENT MONITORING ASSIST AT STR 7 (BR 1246) - END BENT 2
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (17+37.28 -Y16-)		Lump Sum	LS	GENERIC GRADING ITEM
						SETTLEMENT MONITORING ASSIST AT STRS 2 & 3 (BR 1241 & 1242) - END BENT 1
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (22+29.98 -Y5-)		Lump Sum	LS	GENERIC GRADING ITEM
						SETTLEMENT MONITORING ASSIST AT STRS 2 & 3 (BR 1241 & 1242) - END BENT 2
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (28+98.81 -Y4-)		3,000	TON	GENERIC GRADING ITEM
						STOCKPILING PETROLEUM CONTAMINATED SOIL
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (329+95.42 -L- LT)		7,565	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
				26,490	SY	FOUNDATION CONDITIONING GEOTEXTILE
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (329+95.42 -L- RT)		1,972	LF	*** SIDE DRAIN PIPE (30")
				140	LF	*** SIDE DRAIN PIPE (42")
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (470+43.12 -L- LT)		16	LF	*** SIDE DRAIN PIPE (48")
				44	LF	*** SIDE DRAIN PIPE (54")
115,000	CY	UNDERCUT EXCAVATION		10,312	LF	15" SIDE DRAIN PIPE
4,000,000	CY	BORROW EXCAVATION		4,228	LF	18" SIDE DRAIN PIPE
4	EA	EMBANKMENT SETTLEMENT GAUGES		3,944	LF	24" SIDE DRAIN PIPE
54,624	CY	DRAINAGE DITCH EXCAVATION		1,696	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (24")
3,710	LF	BERM DITCH CONSTRUCTION		364	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (36")
22,600	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT		488	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (42")
110	HR	PROOF ROLLING		124	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (48")
38,200	CY	SELECT GRANULAR MATERIAL		860	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (54")
83,900	SY	GEOTEXTILE FOR SOIL STABILIZATION		4,524	LF	*** RC PIPE CULVERTS, CLASS ***** (15", V)
20,630	SF	TEMPORARY SHORING		772	LF	*** RC PIPE CULVERTS, CLASS ***** (18", V)
Lump Sum	LS	GENERIC GRADING ITEM DRY DETENTION BASIN (NO 1)		1,348	LF	*** RC PIPE CULVERTS, CLASS ***** (24", V)
Lump Sum	LS	GENERIC GRADING ITEM DRY DETENTION BASIN (NO 8)		360	LF	*** RC PIPE CULVERTS, CLASS ***** (66", V)
Lump Sum	LS	GENERIC GRADING ITEM INSTRUMENTATION INSTALLATION ASSIST AT STR 7 (BR 1246) - END BENT 1		2,124	LF	15" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	GENERIC GRADING ITEM INSTRUMENTATION INSTALLATION ASSIST AT STR 7 (BR 1246) - END BENT 2		760	LF	18" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	GENERIC GRADING ITEM INSTRUMENTATION INSTALLATION ASSIST AT STRS 2 & 3 (BR 1241 & 1242) - END BENT 1		320	LF	24" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	GENERIC GRADING ITEM INSTRUMENTATION INSTALLATION ASSIST AT STRS 2 & 3 (BR 1241 & 1242) - END BENT 2		804	LF	30" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	GENERIC GRADING ITEM MEDIA FILTER BASIN (NO 2)				
Lump Sum	LS	GENERIC GRADING ITEM MEDIA FILTER BASIN (NO 3)				
Lump Sum	LS	GENERIC GRADING ITEM MEDIA FILTER BASIN (NO 4)				

			65.6	CY	REINFORCED ENDWALLS	
			26,757	CY	PIPE COLLARS	
			6	CY	FLOWABLE FILL	
1,032	LF	36" RC PIPE CULVERTS, CLASS III	378	EA	MASONRY DRAINAGE STRUCTURES	
704	LF	42" RC PIPE CULVERTS, CLASS III	211	LF	MASONRY DRAINAGE STRUCTURES	
276	LF	48" RC PIPE CULVERTS, CLASS III	1	EA	FRAME WITH GRATE, STD 840.22	
232	LF	60" RC PIPE CULVERTS, CLASS III	16	EA	FRAME WITH TWO GRATES, STD 840.16	
336	LF	72" RC PIPE CULVERTS, CLASS III	119	EA	FRAME WITH TWO GRATES, STD 840.20	
9,080	LF	15" RC PIPE CULVERTS, CLASS IV	157	EA	FRAME WITH TWO GRATES, STD 840.22	
4,368	LF	18" RC PIPE CULVERTS, CLASS IV	1	EA	FRAME WITH TWO GRATES, STD 840.24	
2,736	LF	24" RC PIPE CULVERTS, CLASS IV	6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	
1,340	LF	30" RC PIPE CULVERTS, CLASS IV	22	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	
1,816	LF	36" RC PIPE CULVERTS, CLASS IV	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	
356	LF	42" RC PIPE CULVERTS, CLASS IV				
112	LF	*** CS PIPE CULVERTS, ***** THICK (42", 0.109")	29	EA	FRAME WITH COVER, STD 840.54	
1,480	LF	15" CS PIPE CULVERTS, 0.064" THICK	14	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	
1,164	LF	18" CS PIPE CULVERTS, 0.064" THICK	2,025	LF	1'-6" CONCRETE CURB & GUTTER	
1,168	LF	24" CS PIPE CULVERTS, 0.064" THICK	11,300	LF	2'-6" CONCRETE CURB & GUTTER	
492	LF	30" CS PIPE CULVERTS, 0.079" THICK	26,700	LF	SHOULDER BERM GUTTER	
52	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	4,090	SY	4" CONCRETE SIDEWALK	
28	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	35	EA	CONCRETE CURB RAMPS	
28	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	190	SY	4" CONCRETE PAVED DITCH	
12	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")	3,000	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	
2	EA	*** CS PIPE ELBOWS, ***** THICK (42", 0.109")	5,420	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	
4,027	LF	PIPE REMOVAL	1	EA	ADJUSTMENT OF CATCH BASINS	
2	EA	PIPE CLEAN OUT	17	EA	IMPACT ATTENUATOR UNIT, TYPE 350	
Lump Sum	LS	FINE GRADING	41,712.5	LF	STEEL BEAM GUARDRAIL	
800	CY	SHALLOW UNDERCUT	10	EA	ADDITIONAL GUARDRAIL POSTS	
223,780	TON	CLASS IV SUBGRADE STABILIZATION	31	EA	GUARDRAIL END UNITS, TYPE CAT-1	
500	TON	STABILIZER AGGREGATE	61	EA	GUARDRAIL END UNITS, TYPE TL-3	
458,190	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	58	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	
19,700	TON	AGGREGATE BASE COURSE	12.5	LF	TEMPORARY STEEL BEAM GUARDRAIL	
1,000	TON	INCIDENTAL STONE BASE	2	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)	
1,650	SY	MILLING ASPHALT PAVEMENT, ***** DEPTH (3")	26,200	LF	CABLE GUIDERAIL	
2,160	SY	INCIDENTAL MILLING	70	EA	ADDITIONAL GUIDERAIL POSTS	
91,760	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	24	EA	CABLE GUIDERAIL ANCHOR UNITS	
45,420	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	55,000	LF	WOVEN WIRE FENCE, 47" FABRIC	
49,780	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	3,450	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	
23,260	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	985	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	
10,580	TON	ASPHALT BINDER FOR PLANT MIX	4	EA	DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (58", 12', 24')	
1,765	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	9,301	TON	RIP RAP, CLASS I	
121,500	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	95	TON	RIP RAP, CLASS II	
307,732	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (13")	2,969	TON	RIP RAP, CLASS B	
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	35,534	SY	GEOTEXTILE FOR DRAINAGE	
4,183	CY	SUBDRAIN EXCAVATION	3	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	
11,750	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	13	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	
118	CY	SUBDRAIN FINE AGGREGATE	2	CY	PLAIN CONCRETE SIGN FOUNDATIONS	
1,974	CY	SUBDRAIN COARSE AGGREGATE	319	CY	OVERHEAD FOOTING	
12,450	LF	6" PERFORATED SUBDRAIN PIPE	15,148	LB	SUPPORTS, BREAKAWAY STEEL BEAM	
25	EA	SUBDRAIN PIPE OUTLET	1,199	LB	SUPPORTS, SIMPLE STEEL BEAM	
150	LF	6" OUTLET PIPE	3,799	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	
52,573	LF	SHOULDER DRAIN	9	EA	SUPPORTS, BARRIER (LARGE)	
52,573	LF	4" SHOULDER DRAIN PIPE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (22+50 -LACFLY-)	
4,068	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (291+50 -L-)	
21	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (294+00 -L- LT)	
44.3	CY	ENDWALLS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (316+00 -L- LT)	
			Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (328+50 -L-)	

			645	EA	DRUMS
			116	EA	CONES
			1,304	LF	BARRICADES (TYPE III)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (346+00 -L- LT)	52	LF	PEDESTRIAN CHANNELIZING DEVICES
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (357+00 -L-)	1,924	DAY	FLAGGER
			8	EA	TEMPORARY CRASH CUSHIONS
			6	EA	TMA
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (383+50 -L-)	2,220	LF	PORTABLE CONCRETE BARRIER
			2,953	LF	WATER FILLED BARRIER
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (385+00 -L- LT)	3,100	LF	REMOVE & RESET WATER FILLED BARRIER
			116	EA	SKINNY DRUM
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (419+00 -L- LT)	Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM PROTECTIVE CANOPY
			6	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (428+50 -L-)	6	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY CURB RAMPS
			1,250	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (450+00 -L- LT)	286	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (456+00 -L-)	1,400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (468+50 -L-)	2,718	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (488+00 -L- LT)	12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			189	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (507+00 -L- LT)	4,837	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (512+00 -L-)	2	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (529+50 -L- LT)	165,469	LF	PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (540+00 -L-)	3,880	LF	PAINT PAVEMENT MARKING LINES (8")
			162	LF	PAINT PAVEMENT MARKING LINES (12")
14	EA	SIGN ERECTION, TYPE D	1,926	LF	PAINT PAVEMENT MARKING LINES (24")
130	EA	SIGN ERECTION, TYPE E	16	EA	PAINT PAVEMENT MARKING CHARACTER
31	EA	SIGN ERECTION, TYPE F	220	EA	PAINT PAVEMENT MARKING SYMBOL
18	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)	33,314	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
1	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)	218,270	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
28	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	1,009	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	16,334	LF	POLYUREA PAVEMENT MARKING LINES (12", 20 MILS)
50	EA	SIGN ERECTION, MILEMARKERS	27,899	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
112	EA	SIGN ERECTION, OVERLAY (OVERHEAD)	12,086	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
4	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)	365	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
1	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (D)	2,175	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
13	EA	SIGN ERECTION, REPOSITION OVERHEAD	393	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
6	EA	DISPOSAL OF SUPPORT, STEEL BEAM	39	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD	152	EA	PERMANENT RAISED PAVEMENT MARKERS
13	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	4,154	EA	SNOWFLOWABLE PAVEMENT MARKERS
80	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	2	EA	*** HIGH MOUNT STANDARD (60)
1	EA	DISPOSAL OF SIGN SYSTEM, WOOD	12	EA	80' HIGH MOUNT STANDARD
57	EA	DISPOSAL OF SUPPORT, U-CHANNEL	5	EA	100' HIGH MOUNT STANDARD
27	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	11	EA	120' HIGH MOUNT STANDARD
6	EA	DISPOSAL OF SIGN, A & B (GROUND MOUNTED)	1	EA	PORTABLE DRIVE UNIT
161	EA	DISPOSAL OF SIGN, D, E OR F	203	CY	HIGH MOUNT FOUNDATIONS
35	EA	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)	2	EA	LIGHT STANDARDS, TYPE MTLT ***** (45' SA, 15' ARM)
2	EA	DISPOSAL OF SIGN, OVERLAY (GROUND MOUNTED)	2	EA	STANDARD FOUNDATION ***** (TYPE R1)
2,368	SF	WORK ZONE SIGNS (STATIONARY)	5	EA	ELECTRIC SERVICE POLE **** ***** (30' CLASS 4)
1,681	SF	WORK ZONE SIGNS (PORTABLE)	125	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
529	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	2,315	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
8	EA	FLASHING ARROW BOARD			
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN			

			476	LF	30" WATER LINE	
			90,010	LB	DUCTILE IRON WATER PIPE FITTINGS	
495	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")	4	EA	*** VALVE (36")	
120	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")	3	EA	6" VALVE	
			1	EA	8" VALVE	
			1	EA	12" VALVE	
240	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (2")	1	EA	16" VALVE	
			3	EA	20" VALVE	
			5	EA	24" VALVE	
765	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")	4	EA	30" VALVE	
			6	EA	6" TAPPING SLEEVE & VALVE	
1,240	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")	10	EA	2" AIR RELEASE VALVE	
			2	EA	8" BLOW OFF	
105	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (6")	3	EA	RELOCATE WATER METER	
			1	EA	FIRE HYDRANT	
2,100	LF	** #8 W/G FEEDER CIRCUIT (2)	12	EA	RELOCATE FIRE HYDRANT	
2,770	LF	** #6 W/G FEEDER CIRCUIT (2)	285	LF	FIRE HYDRANT LEG	
3,215	LF	** #4 W/G FEEDER CIRCUIT (2)	133	LF	WATER SERVICE LINE	
220	LF	** #2 W/G FEEDER CIRCUIT (2)	4,672	LF	8" SANITARY GRAVITY SEWER	
4,105	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	826	LF	16" SANITARY GRAVITY SEWER	
7,865	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	458	LF	20" SANITARY GRAVITY SEWER	
9,895	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	762	LF	16" FORCE MAIN SEWER	
1,925	LF	** #2 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	7	EA	SANITARY SEWER CLEAN-OUT	
			253	LF	SEWER SERVICE LINE	
5	EA	ELECTRICAL JUNCTION BOXES ***** (CSJB, 36" X 24")	3,715	LB	DUCTILE IRON SEWER PIPE FITTINGS	
21	EA	ELECTRICAL JUNCTION BOXES ***** (HMJB, 18" X 12")	22	EA	4' DIA UTILITY MANHOLE	
5	EA	ELECTRICAL JUNCTION BOXES ***** (HMJB, 30" X 17")	1	EA	5' DIA UTILITY MANHOLE	
4	EA	ELECTRICAL JUNCTION BOXES ***** (HMJB, 36" X 24")	124	LF	UTILITY MANHOLE WALL 4' DIA	
35	EA	ELECTRICAL JUNCTION BOXES ***** (IGJB, 18" X 12")	5	LF	UTILITY MANHOLE WALL 5' DIA	
5	EA	ELECTRICAL JUNCTION BOXES ***** (IGJB, 30" X 17")	470	LF	ABANDON *** UTILITY PIPE (21")	
8	EA	ELECTRICAL JUNCTION BOXES ***** (IGJB, 36" X 24")	723	LF	ABANDON *** UTILITY PIPE (36")	
2	EA	ELECTRICAL JUNCTION BOXES ***** (LSJB, 18" X 12")	2,272	LF	ABANDON *** UTILITY PIPE (8")	
10	EA	UNDERPASS LUMINARIES ***** (TYPE PM, LED, 62W)	1,775	LF	ABANDON 16" UTILITY PIPE	
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** LAWDALE DRIVE, UPL-1	1,168	LF	ABANDON 20" UTILITY PIPE	
30	EA	GENERIC LIGHTING ITEM 100' HIGH MOUNT LUMINAIRE - LED	1,268	LF	ABANDON 24" UTILITY PIPE	
88	EA	GENERIC LIGHTING ITEM 120' HIGH MOUNT LUMINAIRE - LED	370	LF	ABANDON 30" UTILITY PIPE	
5	EA	GENERIC LIGHTING ITEM 240/480V LIGHTING CONTROL SYSTEM	5	EA	REMOVE WATER METER	
8	EA	GENERIC LIGHTING ITEM 60' HIGH MOUNT LUMINAIRE - LED	4	EA	REMOVE FIRE HYDRANT	
96	EA	GENERIC LIGHTING ITEM 80' HIGH MOUNT LUMINAIRE - LED	13	EA	ABANDON UTILITY MANHOLE	
5	EA	GENERIC LIGHTING ITEM COMMUNICATION GATEWAY	4	EA	REMOVE UTILITY MANHOLE	
224	EA	GENERIC LIGHTING ITEM CONTROL NODE	640	LF	*** ENCASEMENT PIPE (48")	
2	EA	GENERIC LIGHTING ITEM ROADWAY LIGHT STANDARD LUMINAIRE - 285W LED	1,460	LF	20" ENCASEMENT PIPE	
1,215	LF	*** WATER LINE (36")	860	LF	30" ENCASEMENT PIPE	
28	LF	8" WATER LINE	1,410	LF	36" ENCASEMENT PIPE	
1,239	LF	12" WATER LINE	2	EA	CONCRETE PIERS	
611	LF	16" WATER LINE	149,100	LF	TEMPORARY SILT FENCE	
1,581	LF	20" WATER LINE	5,000	TON	STONE FOR EROSION CONTROL, CLASS A	
2,526	LF	24" WATER LINE	26,965	TON	STONE FOR EROSION CONTROL, CLASS B	
			33,540	TON	SEDIMENT CONTROL STONE	
			576.5	ACR	TEMPORARY MULCHING	
			21,800	LB	SEED FOR TEMPORARY SEEDING	
			110	TON	FERTILIZER FOR TEMPORARY SEEDING	
			41,440	LF	TEMPORARY SLOPE DRAINS	
			1,800	LF	SAFETY FENCE	
			120,570	CY	SILT EXCAVATION	
			497,000	SY	MATTING FOR EROSION CONTROL	
			1,800	SY	COIR FIBER MAT	
			6,500	SY	PERMANENT SOIL REINFORCEMENT MAT	
			17,575	LF	1/4" HARDWARE CLOTH	
			70	LF	*** TEMPORARY PIPE (18")	
			65	LF	*** TEMPORARY PIPE (30")	
			200	LF	TEMPORARY PIPE FOR STREAM CROSSING	
			3,875	CY	STILLING BASINS	
			30	EA	SPECIAL STILLING BASINS	
			20,130	LF	COIR FIBER WATTLE	
			30,070	LF	WATTLE BARRIER	
			13,535	LB	POLYACRYLAMIDE (PAM)	
			25,310	LF	COIR FIBER BAFFLE	
			70	EA	*** SKIMMER (1-1/2")	
			16	EA	*** SKIMMER (2")	
			5	EA	*** SKIMMER (2-1/2")	
			2	EA	*** SKIMMER (3")	

459	ACR	SEEDING & MULCHING	58	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE
250	ACR	MOWING	8	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
5,700	LB	SEED FOR REPAIR SEEDING	1	EA	GENERIC SIGNAL ITEM CCTV EXTENSION POLE
22.5	TON	FERTILIZER FOR REPAIR SEEDING	7	EA	GENERIC SIGNAL ITEM CCTV METAL POLE (50')
11,150	LB	SEED FOR SUPPLEMENTAL SEEDING	1	EA	GENERIC SIGNAL ITEM CENTRAL MEDIA CONVERTER
334.5	TON	FERTILIZER TOPDRESSING	4	EA	GENERIC SIGNAL ITEM DMS
1,300	LF	IMPERVIOUS DIKE	4	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER
200	MHR	SPECIALIZED HAND MOWING	4	EA	GENERIC SIGNAL ITEM DMS PEDESTAL STRUCTURE
150	EA	RESPONSE FOR EROSION CONTROL	13	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT
30	EA	CONCRETE WASHOUT STRUCTURE	6	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
8,370	CY	CULVERT DIVERSION CHANNEL	7	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET
10	ACR	REFORESTATION	11	EA	GENERIC SIGNAL ITEM ITS FIELD ETHERNET SWITCH
0.61	ACR	STREAMBANK REFORESTATION	7	EA	GENERIC SIGNAL ITEM ITS SOIL TEST
90	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	11	EA	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINA- TION PANEL
60	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	2	EA	GENERIC SIGNAL ITEM TRAVEL TIME DYNAMIC MESSAGE SIGN
22	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	6	EA	GENERIC SIGNAL ITEM WOOD PEDESTAL
9,225	LF	SIGNAL CABLE	Lump Sum	LS	GENERIC SIGNAL ITEM INTEGRATION AND CONFIGURATION
33	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	580	LF	GENERIC SIGNAL ITEM #4 SOLID BARE GROUNDING CONDUCTOR
3	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	4,880	LF	GENERIC SIGNAL ITEM 3-WIRE COPPER FEEDER CONDUCTOR
5	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)	150	LF	GENERIC SIGNAL ITEM 3-WIRE COPPER SERVICE ENTRANCE CONDUCTOR
11,865	LF	MESSENGER CABLE (1/4")	2,500	LF	GENERIC SIGNAL ITEM 4-WIRE COPPER FEEDER CONDUCTOR
2,175	LF	MESSENGER CABLE (3/8")	49	CY	GENERIC SIGNAL ITEM ITS DRILLED PIER FOUNDATION
34,410	LF	TRACER WIRE	32	CY	GENERIC SIGNAL ITEM ITS OVERHEAD FOOTINGS
3,500	LF	UNPAVED TRENCHING (***** (1, 2")			
26,950	LF	UNPAVED TRENCHING (***** (2, 2")			
3,035	LF	UNPAVED TRENCHING (***** (3, 2")			
650	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN			
1,580	LF	DIRECTIONAL DRILL (***** (1, 2")			
2,890	LF	DIRECTIONAL DRILL (***** (2, 2")			
1,760	LF	DIRECTIONAL DRILL (***** (3, 2")			
9	EA	JUNCTION BOX (***** (SPECIAL SIZE, HEAVY-DUTY)			
89	EA	JUNCTION BOX (STANDARD SIZE)			
71	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)			
15	EA	WOOD POLE			
32	EA	GUY ASSEMBLY	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (26+62.00 -Y6RPD-)
5	EA	*** RISER WITH ***** (1-1/2" RISER W/ WEATHERHEAD)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (364+68.00 -L-)
5	EA	2" RISER WITH WEATHERHEAD	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (382+49.00 -L-)
15	EA	2" RISER WITH HEAT SHRINK TUBING	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (430+93.00 -L-)
6,375	LF	INDUCTIVE LOOP SAWCUT	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (472+13.00 -L-)
17,375	LF	LEAD-IN CABLE (***** (14-2)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (493+43.00 -L-)
1,700	LF	COMMUNICATIONS CABLE (**FIBER) (12)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (493+43.00 -L-)
36,370	LF	COMMUNICATIONS CABLE (**FIBER) (144)	4,622	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
11,132	LF	COMMUNICATIONS CABLE (**FIBER) (24)	7,547.3	CY	CLASS A CONCRETE (CULVERT)
4,500	LF	DROP CABLE	860,503	LB	REINFORCING STEEL (CULVERT)
16	EA	SPLICE ENCLOSURE			
5	EA	MODIFY SPLICE ENCLOSURE			
17	EA	INTERCONNECT CENTER			
79	EA	DELINEATOR MARKER			
3	EA	CABLE TRANSFER			
16	EA	METAL STRAIN SIGNAL POLE			
16	EA	SOIL TEST	1,000	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
96	CY	DRILLED PIER FOUNDATION	1,000	SF	SOIL NAIL RETAINING WALLS
15	EA	SIGN FOR SIGNALS	2	EA	SOIL NAIL VERIFICATION TESTS
1	EA	TYPE I POST WITH FOUNDATION	4	EA	SOIL NAIL PROOF TESTS
13	EA	TYPE II PEDESTAL WITH FOUND- ATION	2,300	TON	GENERIC RETAINING WALL ITEM SELECT MATERIAL CLASS VI
4	EA	SIGNAL CABINET FOUNDATION	3,100	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 1A
2	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION	3,900	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 1B
4	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	4,700	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 2A
21	EA	DETECTOR CARD (TYPE 2070L)	5,200	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 2B
4	EA	CABINET BASE EXTENDER	4,400	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 4A
2	EA	GENERIC SIGNAL ITEM 10KVA SINGLE PHASE TRANSFORMER			

CULVERT ITEMS

WALL ITEMS

			Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (337+20.09 -L-)
4,200	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 4B	4,272	SF	GENERIC STRUCTURE ITEM TEMPORARY SHORING FOR MSE WALL CONSTRUCTION
3,600	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 5A	10,000	DOL	CONTRACT TIME
3,200	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 5B			
4,300	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 6A			
4,800	SF	GENERIC RETAINING WALL ITEM MSE ABUTMENT WALL NO 6B			

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 17+37.28 -Y16-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 22+29.98 -Y5-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 25+52.71 -Y7-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 28+98.81 -Y4-)
755.67	LF	3'-6" DIA DRILLED PIERS IN SOIL
61	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
16	EA	SID INSPECTIONS
16	EA	SPT TESTING
16	EA	CSL TESTING
101.695	SF	REINFORCED CONCRETE DECK SLAB
114,482	SF	GROOVING BRIDGE FLOORS
2,528.1	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+37.28 -Y16-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+29.98 -Y5-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+52.71 -Y7-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+98.81 -Y4-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (329+95.42 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (329+95.42 -L- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (337+20.09 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (337+20.09 -L- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (470+43.12 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (470+43.12 -L- RT)
402,108	LB	REINFORCING STEEL (BRIDGE)
36,361	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,637.26	LF	45" PRESTRESSED CONCRETE GIRDERS
1,491	LF	54" PRESTRESSED CONCRETE GIRDERS
6,593.64	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
178	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
7,660	LF	HP12X53 STEEL PILES
72	EA	STEEL PILE POINTS
90	LF	PREDRILLING FOR PILES
460.49	LF	THREE BAR METAL RAIL
1,787.02	LF	CONCRETE BARRIER RAIL
1,199.5	LF	VERTICAL CONCRETE BARRIER RAIL
4,169	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS

