



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

**IMPORTANT INFORMATION**

JAMES H. TROGDON, III  
SECRETARY

TO WHOM IT MAY CONCERN:

InfoTech (developers of Expedite and Bid Express) are replacing Expedite with Project Bids. NCDOT is currently testing the new software. We do not anticipate any issues and expect a seamless transition for contractors.

The new software requires the need for a new Digital ID. Bid Express will reimburse you for the fee, if you have an existing NCDOT or NCDOT – Divisions Digital ID.

What this means for you:

- Project Bids site and software available for Central – Dec 18, 2018
  - Download new Project Bids software
  - Create new Digital ID and request to be able to bid with NCDOT. You will only be using Project Bids and the new Digital ID to bid Central projects (Contract numbers that begin with C).
  - User guides and instructional videos are available in the Bid Express Training Center. Links for this information have also been provided in an email from Bid Express.
- NCDOT Central Highway Letting – Jan 15, 2019
  - Bid with Expedite and old Digital ID
- NCDOT Central Highway Letting – Feb 19, 2019
  - Bid with Project Bids and new Digital ID
- Project Bids site and software available for Division – Mar 1, 2019
  - Download new Project Bids software, if you have not already done so.
  - Create new Digital ID and request to be able to bid with NCDOT – Divisions.
  - If you already have a Digital ID, request to bid with NCDOT – Divisions.
- Last Division Letting Using Expedite – Mar 29, 2019
- First Division Letting Using Project Bids – Apr 1, 2019

Please let us know if you have any questions and remember that we are always available to help by phone or email. Specific questions can be directed to Jaci Kincaid at [jakincaid@ncdot.gov](mailto:jakincaid@ncdot.gov) or 919-707-6920.

Ronald E. Davenport, Jr., PE  
State Contract Engineer  
RED/jak



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

February 20, 2018

NOTICE TO: All Prequalified Contractors

FROM: Ronald E Davenport, PE  
State Contract Officer

DocuSigned by:  
*Ronald E. Davenport, Jr.*  
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SUBJECT: Combined Contract Goal for MBE/WBE Participation on State-Funded Projects

Effective April 1, 2018, all state funded contracts will be advertised with one combined goal that is comprised of both the MBE and WBE participation anticipated for the project. The **Combined MBE/WBE Goal** may be met with all MBE or WBE participation, or any combination of MBE and WBE participation.

When entering this information in Expedite Bid, users will not see the words "Combined MBE/WBE" in which to enter their participation value, but will enter the value under "DBE".

For assistance in participation entry in Expedite, please contact Ms. Jaci Kincaid at 919-707-6920 or jakincaid@ncdot.gov.

*Mailing Address:*  
NC DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION UNIT  
1543 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1543

*Telephone:* (919) 707-2400  
*Fax:* (919) 733-8441  
*Customer Service:* 1-877-368-4968

*Website:* www.ncdot.gov

*Location:*  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH, NC 27601



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", written over a horizontal line.

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](http://www.ncdot.gov)



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

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](mailto: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](http://WWW.NCDOT.GOV)

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

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
INVITATION TO BID**

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON APRIL 16, 2019. 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 MARCH 19, 2019.  
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION  
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

## **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** L190416

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C204123	41582.3.1	BRUNSWICK	7.244 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
002	C204177	34360.3.4	CARTERET, CRAVEN	10.353 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
003	C204206	40089.3.1	BERTIE	0.179 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
004	C202581	38664.3.3	ORANGE, DURHAM	0.960 MI	GRADING, PAVING, DRAINAGE, AND SIGNALS.
005	C204325	45634.3.1	VANCE	0.095 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
006	C204211	45982.3.1	DURHAM	0.163 MI	ITS AND SIGNAL SYSTEM UPGRADE.
007	C204324	46379.3.1	GRANVILLE	0.352 MI	GRADING, DRAINAGE, PAVING, AND SIGNALS.
008	C204078	40174.3.1	ORANGE	0.296 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
009	C204179	40162.3.1	CHATHAM, LEE	0.947 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
010	C204244	53061.3.GV1	ROWAN	10.888 MI	PAVEMENT REHABILITATION AND BRIDGE PRESERVATION.



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190416 001

CONTRACT ID : C204123 41582.3.1

DIV OFFICE CASTLE HAYNE

LENGTH = 7.244 MI

COUNTY : BRUNSWICK

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : MAY 14 2023

NC-211 FROM SR-1500 (MIDWAY RD) TO NC-87.

ROADWAY ITEMS					
			84	LF	*** CAA PIPE CULVERTS, ***** THICK (54", 0.109")
Lump Sum	LS	MOBILIZATION	920	LF	15" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	FIELD OFFICE	52	LF	18" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	36	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
8	EA	SEALING ABANDONED WELLS			
90,000	CY	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (369+42.00 -L- LT)	112	LF	GENERIC PIPE ITEM 18" DUCTILE IRON PIPE
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (369+42.00 -L- RT)	202	LF	GENERIC PIPE ITEM 24" DUCTILE IRON PIPE
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (390+15.00 -L- LT)	104	LF	GENERIC PIPE ITEM 30" DUCTILE IRON PIPE
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (390+15.00 -L- RT)	348	LF	GENERIC PIPE ITEM 57" X 38" CORRUGATED ALUMINUM ALLOY PIPE CULVERT, 0.109" THICK
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (31+30.81 -YREV-)	456	LF	GENERIC PIPE ITEM 60" X 38" HERCP-IV
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (39+52.00 -Y14A-)	2	EA	GENERIC PIPE ITEM 18" DUCTILE IRON PIPE ELBOW
55,000	CY	UNDERCUT EXCAVATION	4	EA	GENERIC PIPE ITEM 24" DUCTILE IRON PIPE ELBOW
1,200,000	CY	BORROW EXCAVATION	2	EA	GENERIC PIPE ITEM 30" DUCTILE IRON PIPE ELBOW
64,828	CY	DRAINAGE DITCH EXCAVATION	12,475	LF	PIPE REMOVAL
19,500	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	5	EA	PIPE CLEAN OUT
74,040	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	Lump Sum	LS	FINE GRADING
120	HR	PROOF ROLLING	1,100	CY	SHALLOW UNDERCUT
54,200	CY	SELECT GRANULAR MATERIAL	2,000	TON	CLASS IV SUBGRADE STABILIZATION
40,200	SY	GEOTEXTILE FOR SOIL STABILIZATION	116,500	TON	CLASS IV AGGREGATE STABILIZATION
33,000	SF	TEMPORARY SHORING	2,960	TON	AGGREGATE BASE COURSE
Lump Sum	LS	GENERIC GRADING ITEM DEWATERING	5,725	TON	INCIDENTAL STONE BASE
50	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	10,133	GAL	PRIME COAT
3,840	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	8,000	SY	INCIDENTAL MILLING
12,070	SY	FOUNDATION CONDITIONING GEOTEXTILE	154,000	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
288	LF	*** DRAINAGE PIPE (54")	102,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1,320	LF	15" DRAINAGE PIPE	23,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,276	LF	18" DRAINAGE PIPE	65,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
752	LF	24" DRAINAGE PIPE	17,350	TON	ASPHALT BINDER FOR PLANT MIX
468	LF	30" DRAINAGE PIPE	5,800	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
596	LF	36" DRAINAGE PIPE	672	CY	SUBDRAIN EXCAVATION
632	LF	48" DRAINAGE PIPE	2,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
76	LF	***** RC PIPE CULVERTS, CLASS IV (12")	336	CY	SUBDRAIN COARSE AGGREGATE
360	LF	***** RC PIPE CULVERTS, CLASS IV (48")	6,500	LF	6" PERFORATED SUBDRAIN PIPE
488	LF	***** RC PIPE CULVERTS, CLASS IV (54")	4	EA	SUBDRAIN PIPE OUTLET
1,240	LF	***** RC PIPE CULVERTS, CLASS IV (60")	24	LF	6" OUTLET PIPE
408	LF	***** RC PIPE CULVERTS, CLASS IV (66")	78	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
13,240	LF	15" RC PIPE CULVERTS, CLASS IV	138.4	CY	ENDWALLS
2,050	LF	18" RC PIPE CULVERTS, CLASS IV	62.69	CY	REINFORCED ENDWALLS
1,432	LF	24" RC PIPE CULVERTS, CLASS IV	2,557	CY	PIPE COLLARS
4,372	LF	30" RC PIPE CULVERTS, CLASS IV	129	CY	FLOWABLE FILL
3,364	LF	36" RC PIPE CULVERTS, CLASS IV	369	EA	MASONRY DRAINAGE STRUCTURES
1,368	LF	42" RC PIPE CULVERTS, CLASS IV	80,011	CY	MASONRY DRAINAGE STRUCTURES
			130.2	LF	MASONRY DRAINAGE STRUCTURES
			38	EA	FRAME WITH TWO GRATES, STD 840.16
			129	EA	FRAME WITH TWO GRATES, STD 840.20
			8	EA	FRAME WITH TWO GRATES, STD 840.22
			7	EA	FRAME WITH TWO GRATES, STD 840.24

			1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
			15,793	LB	SUPPORTS, BREAKAWAY STEEL BEAM
			1,958	LB	SUPPORTS, SIMPLE STEEL BEAM
			7,686.6	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			58	LF	SUPPORTS, WOOD
10	EA	FRAME WITH TWO GRATES, STD 840.29	21	EA	SIGN ERECTION, TYPE D
24	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	384	EA	SIGN ERECTION, TYPE E
56	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	65	EA	SIGN ERECTION, TYPE F
61	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	18	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
15	EA	FRAME WITH COVER, STD 840.54	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
41	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)
94	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)
1,580	LF	***X*** CONCRETE CURB (8" X 18")	12	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
10,300	LF	***.*** CONCRETE CURB & GUTTER (2'-9")	2	EA	DISPOSAL OF SUPPORT, STEEL BEAM
49,160	LF	1'-6" CONCRETE CURB & GUTTER	2	EA	DISPOSAL OF SUPPORT, WOOD
22,310	LF	2'-6" CONCRETE CURB & GUTTER	4	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
7,960	LF	SHOULDER BERM GUTTER	161	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
330	LF	CONCRETE EXPRESSWAY GUTTER	17	EA	DISPOSAL OF SUPPORT, U-CHANNEL
2,820	SY	4" CONCRETE SIDEWALK	2	EA	GENERIC SIGNING ITEM VERTICAL PANEL, TYPE 3 OBJECT MARKERS - OM3-C
37	EA	CONCRETE CURB RAMPS	2	EA	GENERIC SIGNING ITEM VERTICAL PANEL, TYPE 3 OBJECT MARKERS - OM3-L
210	SY	6" CONCRETE DRIVEWAY	2,391	SF	WORK ZONE SIGNS (STATIONARY)
110	SY	4" CONCRETE PAVED DITCH	1,208	SF	WORK ZONE SIGNS (PORTABLE)
15,200	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,551	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
350	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	8	EA	FLASHING ARROW BOARD
3	EA	GENERIC PAVING ITEM EMERGENCY VEHICLE ACCESS FOR CONCRETE ISLAND	12	EA	PORTABLE CHANGEABLE MESSAGE SIGN
10	EA	ADJUSTMENT OF CATCH BASINS	105	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
1	EA	ADJUSTMENT OF DROP INLETS	1,990	EA	DRUMS
7	EA	ADJUSTMENT OF MANHOLES	50	EA	CONES
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX	960	LF	BARRICADES (TYPE III)
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING DROP INLET TO TRAFFIC BEARING JUNCTION BOX	10	LF	PEDESTRIAN CHANNELIZING DEVICES
3	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3	990	DAY	FLAGGER
15,675	LF	STEEL BEAM GUARDRAIL	25	EA	TEMPORARY CRASH CUSHIONS
1,325	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	9	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
165	EA	ADDITIONAL GUARDRAIL POSTS	4	EA	TMA
17	EA	GUARDRAIL END UNITS, TYPE AT-1	4,090	LF	PORTABLE CONCRETE BARRIER
29	EA	GUARDRAIL END UNITS, TYPE CAT-1	2,442	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
16	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1,072	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
26	EA	GUARDRAIL END UNITS, TYPE TL-3	404	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)
2	EA	GUARDRAIL END UNITS, TYPE TL-2	300	LF	WATER FILLED BARRIER
13	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	2,640	HR	LAW ENFORCEMENT
5,600	LF	REMOVE EXISTING GUARDRAIL	438	EA	SKINNY DRUM
3,150	LF	TEMPORARY STEEL BEAM GUARDRAIL	1	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES
637.5	LF	TEMPORARY STEEL BEAM GUARDRAIL (SHOP CURVED)	1	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY CURB RAMPS
8	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)	8,796	EA	TEMPORARY RAISED PAVEMENT MARKERS
20	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)	201,209	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
3,800	LF	GENERIC GUARDRAIL ITEM STEEL BEAM GUARDRAIL WITH 8' POSTS	15,964	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
25	EA	GENERIC GUARDRAIL ITEM ADDITIONAL GUARDRAIL POSTS (8')	5,176	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
10	EA	GENERIC GUARDRAIL ITEM TEMPORARY GUARDRAIL END UNITS, TYPE AT-1	508	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
59,910	LF	WOVEN WIRE FENCE, 47" FABRIC	1,321,168	LF	PAINT PAVEMENT MARKING LINES (4")
3,774	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	103,944	LF	PAINT PAVEMENT MARKING LINES (8")
1,149	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	10,352	LF	PAINT PAVEMENT MARKING LINES (12")
3,547	TON	RIP RAP, CLASS I	13,640	LF	PAINT PAVEMENT MARKING LINES (24")
892	TON	RIP RAP, CLASS B	1,702	EA	PAINT PAVEMENT MARKING SYMBOL
13,510	SY	GEOTEXTILE FOR DRAINAGE	2,979	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
3	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	45	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
14	CY	REINFORCED CONCRETE SIGN FOUNDATIONS			

			20,352	LF	ABANDON 24" UTILITY PIPE		
			65	LF	ABANDON 30" UTILITY PIPE		
			5	EA	REMOVE WATER METER		
83,259	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	4	EA	REMOVE FIRE HYDRANT		
8,000	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	6	EA	ABANDON UTILITY MANHOLE		
1,000	LF	REMOVAL OF PAVEMENT MARKING LINES (12")	12	EA	REMOVE UTILITY MANHOLE		
2,000	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	140	LF	16" ENCASEMENT PIPE		
300	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	165	LF	18" ENCASEMENT PIPE		
3,252	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	270	LF	24" ENCASEMENT PIPE		
40	EA	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	350	LF	30" ENCASEMENT PIPE		
285	EA	PERMANENT RAISED PAVEMENT MARKERS	355	LF	36" ENCASEMENT PIPE		
2,957	EA	SNOWPLOWABLE PAVEMENT MARKERS	75	LF	BORE AND JACK OF *** (10")		
Lump Sum	LS	PORTABLE LIGHTING	65	LF	BORE AND JACK OF *** (16")		
8,603	LF	*** WATER LINE (18")	235	LF	BORE AND JACK OF *** (24")		
5,542	LF	6" WATER LINE	170	LF	BORE AND JACK OF *** (30")		
2,693	LF	8" WATER LINE	205	LF	BORE AND JACK OF *** (36")		
406	LF	10" WATER LINE	93	LF	BORE AND JACK OF *** (8")		
3,072	LF	12" WATER LINE	760	LF	DIRECTIONAL DRILLING OF *** (12")		
2,011	LF	16" WATER LINE	5,638	LF	DIRECTIONAL DRILLING OF *** (16")		
11,868	LF	24" WATER LINE	6,805	LF	DIRECTIONAL DRILLING OF *** (18")		
87,352	LB	DUCTILE IRON WATER PIPE FITTINGS	7,423	LF	DIRECTIONAL DRILLING OF *** (20")		
6	EA	*** VALVE (18")	10,486	LF	DIRECTIONAL DRILLING OF *** (24")		
1	EA	2" VALVE	1	EA	GENERIC UTILITY ITEM 12.5' X 9' UTILITY VAULT		
2	EA	4" VALVE	1	EA	GENERIC UTILITY ITEM 24" BUTTERFLY VALVE		
27	EA	6" VALVE	1	EA	GENERIC UTILITY ITEM CHECK VALVE ASSEMBLY AND VAULT		
8	EA	8" VALVE	1	EA	GENERIC UTILITY ITEM PRESSURE SUSTAINING VALVE ASSEMBLY		
3	EA	10" VALVE	1	EA	GENERIC UTILITY ITEM RELOCATE 3/4" YARD HYDRANT		
11	EA	12" VALVE	1	EA	GENERIC UTILITY ITEM SANITARY SEWER PUMP STATION		
17	EA	16" VALVE	235,000	LF	TEMPORARY SILT FENCE		
24	EA	24" VALVE	2,100	TON	STONE FOR EROSION CONTROL, CLASS A		
4	EA	16" TAPPING SLEEVE & VALVE	11,000	TON	STONE FOR EROSION CONTROL, CLASS B		
2	EA	24" TAPPING SLEEVE & VALVE	9,600	TON	SEDIMENT CONTROL STONE		
22	EA	2" AIR RELEASE VALVE	864.5	ACR	TEMPORARY MULCHING		
6	EA	2" BLOW OFF	32,700	LB	SEED FOR TEMPORARY SEEDING		
5	EA	3/4" WATER METER	164.5	TON	FERTILIZER FOR TEMPORARY SEEDING		
57	EA	RELOCATE WATER METER	18,000	LF	TEMPORARY SLOPE DRAINS		
9	EA	RECONNECT WATER METER	28,000	LF	SAFETY FENCE		
1	EA	RELOCATE 2" DCV BACKFLOW PREVENTION ASSEMBLY	45,000	CY	SILT EXCAVATION		
3	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (1")	170,000	SY	MATTING FOR EROSION CONTROL		
7	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (3/4")	180,000	SY	COIR FIBER MAT		
1	EA	RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY	1,645	SY	PERMANENT SOIL REINFORCEMENT MAT		
21	EA	FIRE HYDRANT	24,600	LF	1/4" HARDWARE CLOTH		
4	EA	RELOCATE FIRE HYDRANT	1,500	SY	LOW PERMEABILITY GEOTEXTILE		
308	LF	FIRE HYDRANT LEG	328	LF	*** TEMPORARY PIPE (18")		
5	EA	8" LINE STOP	655	LF	*** TEMPORARY PIPE (24")		
5	EA	12" LINE STOP	275	LF	*** TEMPORARY PIPE (30")		
7	EA	16" LINE STOP	555	SY	FLOATING TURBIDITY CURTAIN		
6	EA	24" LINE STOP	135	CY	STILLING BASINS		
171	LF	*** WATER SERVICE LINE (2")	30	EA	SPECIAL STILLING BASINS		
35	LF	*** WATER SERVICE LINE (2-1/2")	21,200	LF	COIR FIBER WATTLE		
1,851	LF	WATER SERVICE LINE	8,065	LB	POLYACRYLAMIDE (PAM)		
4,902	LF	8" SANITARY GRAVITY SEWER	10,200	LF	COIR FIBER BAFFLE		
72	LF	4" FORCE MAIN SEWER	16	EA	*** SKIMMER (1-1/2")		
3,415	LF	6" FORCE MAIN SEWER	5	EA	*** SKIMMER (2")		
2,342	LF	8" FORCE MAIN SEWER	3	EA	*** SKIMMER (2-1/2")		
485	LF	12" FORCE MAIN SEWER	1	EA	*** SKIMMER (3")		
25,469	LF	16" FORCE MAIN SEWER	580	ACR	SEEDING & MULCHING		
19,873	LF	24" FORCE MAIN SEWER	290	ACR	MOWING		
58,903	LB	DUCTILE IRON SEWER PIPE FITTINGS	8,700	LB	SEED FOR REPAIR SEEDING		
30	EA	4' DIA UTILITY MANHOLE	26	TON	FERTILIZER FOR REPAIR SEEDING		
122	LF	UTILITY MANHOLE WALL 4' DIA	12,975	LB	SEED FOR SUPPLEMENTAL SEEDING		
180	LF	ABANDON *** UTILITY PIPE (36")	389.25	TON	FERTILIZER TOPDRESSING		
3,485	LF	ABANDON 6" UTILITY PIPE	2,650	LF	IMPERVIOUS DIKE		
13,847	LF	ABANDON 8" UTILITY PIPE					
170	LF	ABANDON 10" UTILITY PIPE					
3,095	LF	ABANDON 12" UTILITY PIPE					
49,349	LF	ABANDON 16" UTILITY PIPE					
390	LF	ABANDON 18" UTILITY PIPE					



## STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (390+15.00 -L- LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (369+42.00 -L- EBL)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (390+15.00 -L- RT)
Lump Sum	LS	ASBESTOS ASSESSMENT
10	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (369+42.00 -L- EBL)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (390+15.00 -L- LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (390+15.00 -L- RT)
49,880	SF	REINFORCED CONCRETE DECK SLAB
51,122.6	SF	GROOVING BRIDGE FLOORS
399.9	CY	CLASS AA CONCRETE (BRIDGE)
209.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (31+30.81 -YREV-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (369+42.00 -L- EBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (369+42.00 -L- WBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (39+52.37 -Y14A-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (390+15.00 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (390+15.00 -L- RT)
37,903	LB	REINFORCING STEEL (BRIDGE)
61,306	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
1,361.3	LF	36" PRESTRESSED CONCRETE GIR- DERS
2,455.63	LF	54" PRESTRESSED CONCRETE GIR- DERS
2,068.2	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
28	EA	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (16")
24	EA	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (24")
108	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
1,715	LF	16" PRESTRESSED CONCRETE PILES
2,520	LF	24" PRESTRESSED CONCRETE PILES
8,531	LF	HP12X53 STEEL PILES
80	EA	STEEL PILE POINTS
130	EA	PILE REDRIVES
1,730.95	LF	TWO BAR METAL RAIL
516	LF	CONCRETE BARRIER RAIL
1,792.19	LF	1'-***"X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
119	SY	4" SLOPE PROTECTION
2,110	TON	RIP RAP CLASS II (2'-0" THICK)
2,350	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (390+15.00 -L- LT)
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (390+15.00 -L- RT)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190416 002

CONTRACT ID : C204177 34360.3.4

DIV OFFICE GREENVILLE

LENGTH = 10.353 MI

COUNTY : CARTERET, CRAVEN

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

DBE GOAL 9.0% COMPLETION DATE : APR 29 2024

US-70 (HAVELOCK BYPASS) FROM NORTH OF PINE GROVE TO NORTH OF CARTERET COUNTY LINE.

ROADWAY ITEMS					
		52	LF	*** SIDE DRAIN PIPE (36")	
		116	LF	*** SIDE DRAIN PIPE (60")	
Lump Sum	LS MOBILIZATION	76	LF	*** SIDE DRAIN PIPE (84")	
Lump Sum	LS CONSTRUCTION SURVEYING				
Lump Sum	LS FIELD OFFICE	524	LF	15" SIDE DRAIN PIPE	
Lump Sum	LS GENERIC MISCELLANEOUS ITEM UTILITY COORDINATOR	980	LF	18" SIDE DRAIN PIPE	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (138+69.74 -L-)	272	LF	24" SIDE DRAIN PIPE	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (139+25.54 -L-)	548	LF	*** RC PIPE CULVERTS, CLASS ***** (15", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (176+32.00 -L- LT)	400	LF	*** RC PIPE CULVERTS, CLASS ***** (18", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (176+32.00 -L- RT)	416	LF	*** RC PIPE CULVERTS, CLASS ***** (24", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (227+54.13 -L-)	548	LF	*** RC PIPE CULVERTS, CLASS ***** (30", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (227+59.99 -L-)	3,064	LF	*** RC PIPE CULVERTS, CLASS ***** (36", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (288+29.87 -L- LT)	388	LF	*** RC PIPE CULVERTS, CLASS ***** (42", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (288+29.87 -L- RT)	664	LF	*** RC PIPE CULVERTS, CLASS ***** (72", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (44+71.82 -Y4)	728	LF	*** RC PIPE CULVERTS, CLASS ***** (84", V)	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (506+32.25 -L-)	3,580	LF	15" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (506+47.11 -L-)	1,664	LF	18" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (516+87.37 -L- LT)	684	LF	24" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (516+87.37 -L- RT)	732	LF	30" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (11+50.20 -RP1AB-)	1,436	LF	36" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (12+01.81 -RP1AB-)	628	LF	42" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (516+87.37 -L- LT)	192	LF	48" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (516+87.37 -L- RT)	92	LF	60" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (516+87.37 -L- RT)	404	LF	72" RC PIPE CULVERTS, CLASS III	
96,000	CY UNDERCUT EXCAVATION	720	LF	*** RC PIPE CULVERTS, CLASS IV (48")	
5	ACR SUPPLEMENTARY CLEARING & GRUBBING	932	LF	*** RC PIPE CULVERTS, CLASS IV (72")	
Lump Sum	LS GRADING	388	LF	*** RC PIPE CULVERTS, CLASS IV (84")	
5,793,000	CY BORROW EXCAVATION	10,972	LF	15" RC PIPE CULVERTS, CLASS IV	
2	EA EMBANKMENT SETTLEMENT GAUGES	2,460	LF	18" RC PIPE CULVERTS, CLASS IV	
9,730	CY DRAINAGE DITCH EXCAVATION	580	LF	24" RC PIPE CULVERTS, CLASS IV	
150,000	CY SELECT GRANULAR MATERIAL, CLASS III	388	LF	30" RC PIPE CULVERTS, CLASS IV	
74,600	SY GEOTEXTILE FOR SOIL STABILIZATION	8,212	LF	36" RC PIPE CULVERTS, CLASS IV	
1,341.2	SF TEMPORARY SHORING	396	LF	42" RC PIPE CULVERTS, CLASS IV	
6,000	SY GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	5,464	LF	*** CAA PIPE CULVERTS, ***** THICK (15", 0.064")	
100	TON GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	694	LF	*** CAA PIPE CULVERTS, ***** THICK (18", 0.064")	
5,260	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	76	LF	*** CAA PIPE CULVERTS, ***** THICK (24", 0.064")	
16,520	SY FOUNDATION CONDITIONING GEOTEXTILE	150	EA	*** CAA PIPE ELBOWS, ***** THICK (15", 0.064")	
88	LF *** SIDE DRAIN PIPE (30")	30	EA	*** CAA PIPE ELBOWS, ***** THICK (18", 0.064")	

			640	LF	REMOVE EXISTING GUARDRAIL
			888	LF	TEMPORARY STEEL BEAM GUARDRAIL
			4	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-2)
4	EA	*** CAA PIPE ELBOWS, ***** THICK (24", 0.064")	46,000	LF	CABLE GUIDERAIL
3,991	LF	PIPE REMOVAL	18	EA	ADDITIONAL GUIDERAIL POSTS
3	EA	PIPE CLEAN OUT	39	EA	CABLE GUIDERAIL ANCHOR UNITS
250	SY	6" SLOPE PROTECTION	108,660	LF	WOVEN WIRE FENCE, 47" FABRIC
400	TON	#57 STONE	6,920	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
1,000	CY	SHALLOW UNDERCUT	1,550	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
2,550	TON	CLASS IV SUBGRADE STABILIZATION	14	EA	GENERIC FENCING ITEM 16' USFS WELDED PIPE GATES
50,600	TON	CLASS IV AGGREGATE STABILIZATION	2,020	TON	RIP RAP, CLASS I
272,400	TON	AGGREGATE BASE COURSE	900	TON	RIP RAP, CLASS B
2,500	TON	INCIDENTAL STONE BASE	9,800	SY	GEOTEXTILE FOR DRAINAGE
14,290	GAL	PRIME COAT	16	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
1,500	SY	INCIDENTAL MILLING	4	CY	PLAIN CONCRETE SIGN FOUNDATIONS
20,880	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	148	CY	OVERHEAD FOOTING
139,880	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	14,533	LB	SUPPORTS, BREAKAWAY STEEL BEAM
13,100	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	7,946	LB	SUPPORTS, SIMPLE STEEL BEAM
98,960	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	306	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
14,470	TON	ASPHALT BINDER FOR PLANT MIX	4,474	LF	SUPPORTS, WOOD
1,300	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (22+05 -RPIAB-)
215,500	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (42+00 -L-)
97	EA	RIGHT-OF-WAY MARKERS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (504+50 -L-)
147	EA	CONTROL-OF-ACCESS MARKERS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (544+00 -L-)
1,434	CY	SUBDRAIN EXCAVATION	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (57+15 -RP2AC-)
6,400	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (58+50 -L-)
1,075	CY	SUBDRAIN COARSE AGGREGATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (76+00 -L-)
6,400	LF	6" PERFORATED SUBDRAIN PIPE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (89+84 -L-)
13	EA	SUBDRAIN PIPE OUTLET	12	EA	SIGN ERECTION, TYPE D
78	LF	6" OUTLET PIPE	125	EA	SIGN ERECTION, TYPE E
134.3	CY	ENDWALLS	27	EA	SIGN ERECTION, TYPE F
101.1	CY	REINFORCED ENDWALLS	14	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
331	EA	MASONRY DRAINAGE STRUCTURES	7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
9.2	CY	MASONRY DRAINAGE STRUCTURES	29	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
60.1	LF	MASONRY DRAINAGE STRUCTURES	22	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
13	EA	FRAME WITH TWO GRATES, STD 840.16	22	EA	SIGN ERECTION, MILEMARKERS
137	EA	FRAME WITH TWO GRATES, STD 840.20	3	EA	SIGN ERECTION, OVERLAY (OVERHEAD)
133	EA	FRAME WITH TWO GRATES, STD 840.22	8	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
11	EA	FRAME WITH TWO GRATES, STD 840.24	8	EA	DISPOSAL OF SUPPORT, WOOD
31	EA	FRAME WITH TWO GRATES, STD 840.29	56	EA	DISPOSAL OF SIGN SYSTEM, WOOD
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	752	SF	WORK ZONE SIGNS (STATIONARY)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	832	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	384	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FRAME WITH COVER, STD 840.54	6	EA	FLASHING ARROW BOARD
9	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
3,760	LF	1'-6" CONCRETE CURB & GUTTER	860	EA	DRUMS
1,780	LF	2'-6" CONCRETE CURB & GUTTER	208	LF	BARRICADES (TYPE III)
29,970	LF	SHOULDER BERM GUTTER	60	DAY	FLAGGER
2,400	LF	CONCRETE EXPRESSWAY GUTTER	3	EA	TEMPORARY CRASH CUSHIONS
100	SY	4" CONCRETE SIDEWALK	1	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
40	SY	6" CONCRETE DRIVEWAY	4	EA	TMA
50	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	5,220	LF	PORTABLE CONCRETE BARRIER
1,239	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	610	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
426	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION	40	HR	LAW ENFORCEMENT
3	EA	ADJUSTMENT OF DROP INLETS	500	EA	SKINNY DRUM
8	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3			
50,425	LF	STEEL BEAM GUARDRAIL			
22	EA	GUARDRAIL END UNITS, TYPE CAT-1			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
53	EA	GUARDRAIL END UNITS, TYPE TL-3			
2	EA	GUARDRAIL END UNITS, TYPE TL-2			
63	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			

			445,000	SY	GENERIC EROSION CONTROL ITEM
					NATURAL FIBER MATTING
			5,950	LF	SIGNAL CABLE
400	EA	TEMPORARY RAISED PAVEMENT MARKERS	33	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
20,359	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
24,986	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	4	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
258,306	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	14,550	LF	MESSENGER CABLE (1/4")
35,807	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1,360	LF	MESSENGER CABLE (3/8")
249	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	26,630	LF	TRACER WIRE
465	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	2,550	LF	UNPAVED TRENCHING (***** (1, 2"))
9,926	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	13,560	LF	UNPAVED TRENCHING (***** (2, 2"))
3,507	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	270	LF	UNPAVED TRENCHING (***** (3, 2"))
609	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	30	LF	UNPAVED TRENCHING (***** (4, 2"))
32	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	10	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
100	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	900	LF	DIRECTIONAL DRILL (***** (1, 2"))
51,288	LF	PAINT PAVEMENT MARKING LINES (4")	860	LF	DIRECTIONAL DRILL (***** (1, 6"))
147,366	LF	PAINT PAVEMENT MARKING LINES (6")	5,960	LF	DIRECTIONAL DRILL (***** (2, 2"))
208	LF	PAINT PAVEMENT MARKING LINES (24")	50	LF	DIRECTIONAL DRILL (***** (3, 2"))
10	EA	PAINT PAVEMENT MARKING SYMBOL	42	EA	JUNCTION BOX (STANDARD SIZE)
2,334	LF	POLYUREA PAVEMENT MARKING LINES (4", 30 MILS)	61	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
18,160	LF	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)	35	EA	GUY ASSEMBLY
819	LF	POLYUREA PAVEMENT MARKING LINES (12", 30 MILS)	1	EA	1/2" RISER WITH WEATHERHEAD
80	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	14	EA	2" RISER WITH WEATHERHEAD
2,500	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	22	EA	HEAT SHRINK TUBING RETROFIT KIT
20	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	16	EA	2" RISER WITH HEAT SHRINK TUBING
147	EA	PERMANENT RAISED PAVEMENT MARKERS	1,850	LF	INDUCTIVE LOOP SAWCUT
2,693	EA	SNOWPLOWABLE PAVEMENT MARKERS	6,620	LF	LEAD-IN CABLE (***** (14-2))
503,715	LF	TEMPORARY SILT FENCE	72,940	LF	COMMUNICATIONS CABLE (**FIBER) (24)
660	TON	STONE FOR EROSION CONTROL, CLASS A	10,000	LF	DROP CABLE
32,100	TON	STONE FOR EROSION CONTROL, CLASS B	23	EA	SPLICE ENCLOSURE
23,000	TON	SEDIMENT CONTROL STONE	1	EA	MODIFY SPLICE ENCLOSURE
560.5	ACR	TEMPORARY MULCHING	31	EA	INTERCONNECT CENTER
25,500	LB	SEED FOR TEMPORARY SEEDING	23	EA	DELINEATOR MARKER
128.5	TON	FERTILIZER FOR TEMPORARY SEEDING	5,190	LF	REMOVE EXISTING COMMUNICATIONS CABLE
55,000	LF	TEMPORARY SLOPE DRAINS	12	EA	METAL STRAIN SIGNAL POLE
70,000	LF	SAFETY FENCE	20	EA	SOIL TEST
65,100	CY	SILT EXCAVATION	72	CY	DRILLED PIER FOUNDATION
79,000	SY	MATting FOR EROSION CONTROL	15	EA	SIGN FOR SIGNALS
700	SY	COIR FIBER MAT	3	EA	SIGNAL CABINET FOUNDATION
10,550	SY	PERMANENT SOIL REINFORCEMENT MAT	17	EA	CONTROLLERS WITH CABINET (***** (2070E))
14,200	LF	1/4" HARDWARE CLOTH	3	EA	CABINET BASE EXTENDER
1,300	SY	LOW PERMEABILITY GEOTEXTILE	4	EA	METAL POLE FOUNDATION REMOVAL
600	LF	TEMPORARY PIPE FOR STREAM CROSSING	4	EA	METAL POLE REMOVAL
1,250	CY	STILLING BASINS	7	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
38	EA	SPECIAL STILLING BASINS	2	EA	GENERIC SIGNAL ITEM CCTV CAMERA EXTENSION POLE
78,000	LF	COIR FIBER WATTLE	5	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
36,350	LB	POLYACRYLAMIDE (PAM)	3	EA	GENERIC SIGNAL ITEM CONTROLLER (TYPE 2070E)
20,100	LF	COIR FIBER BAFFLE	136	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 2070E)
53	EA	*** SKIMMER (1-1/2")	2	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER
4	EA	*** SKIMMER (2")	2	EA	GENERIC SIGNAL ITEM DMS TYPE A
753	ACR	SEEDING & MULCHING	2	EA	GENERIC SIGNAL ITEM DMS TYPE A STRUCTURE
702	ACR	MOWING	6	EA	GENERIC SIGNAL ITEM DMS TYPE B
5,400	LB	SEED FOR REPAIR SEEDING	6	EA	GENERIC SIGNAL ITEM DMS TYPE B STRUCTURE
30	TON	FERTILIZER FOR REPAIR SEEDING	12	EA	GENERIC SIGNAL ITEM ELECTRICAL SERVICE FOR ITS DEVICE
18,675	LB	SEED FOR SUPPLEMENTAL SEEDING	20	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
560.15	TON	FERTILIZER TOPDRESSING	6	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET
2,100	LF	IMPERVIOUS DIKE	7	EA	GENERIC SIGNAL ITEM FURNISH CCTV CAMERA ASSEMBLY
450	MHR	SPECIALIZED HAND MOWING			
100	EA	RESPONSE FOR EROSION CONTROL			
12	EA	CONCRETE WASHOUT STRUCTURE			
4,175	CY	CULVERT DIVERSION CHANNEL			
0.1	ACR	REFORESTATION			



37	EA	GENERIC SIGNAL ITEM JUNCTION BOX MARKER
9	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM-MULTIPLE ZONES
2	EA	GENERIC SIGNAL ITEM WOOD PEDESTAL
48	CY	GENERIC SIGNAL ITEM DMS FOUNDATION
6.3	ACR	GENERIC MISCELLANEOUS ITEM CLEARING ACCESS FOR DUKE
14.31	ACR	GENERIC MISCELLANEOUS ITEM SPECIALIZED CLEARING
25	EA	SEALING ABANDONED WELLS
85	LF	*** TEMPORARY PIPE (72")
5	ACR	GENERIC EROSION CONTROL ITEM COMPOST BLANKET
256	SY	GENERIC PAVING ITEM MEDIAN CROSSOVER

**CULVERT ITEMS**

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (44+89.00-RP2AC-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (509+41.00-L-)
1,025	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
2,346.4	CY	CLASS A CONCRETE (CULVERT)
206,812	LB	REINFORCING STEEL (BRIDGE)

**WALL ITEMS**

8,200	SF	MSE RETAINING WALL NO **** (1)
4,600	SF	MSE RETAINING WALL NO **** (2)
6,400	SF	MSE RETAINING WALL NO **** (3)
5,400	SF	MSE RETAINING WALL NO **** (4)

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (177+67.00-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (287+62.50-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 138+31.09-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 138+31.09-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 227+57.02-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 227+57.02-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 44+71.82-Y4-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 506+32.25-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 506+32.25-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 52+32.96-Y3-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 138+31.09-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 138+31.09-L-RT)

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 227+57.02-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 227+57.02-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 506+32.25-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 506+32.25-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 138+31.09-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 138+31.09-L-RT)
38	EA	PDA TESTING
340,594	SF	REINFORCED CONCRETE DECK SLAB
308,222	SF	GROOVING BRIDGE FLOORS
1,140.6	CY	CLASS AA CONCRETE (BRIDGE)
4,001.5	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+76.30-RPIAB-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+76.30-RPIAB-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (138+31.09-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (138+31.09-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (177+67.00-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (177+67.00-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (227+57.02-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (227+57.02-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (287+62.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (287+62.50-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+71.82-Y4-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (506+32.25-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (506+32.25-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (516+87.37-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (516+87.37-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+32.96-Y3-)
605,741	LB	REINFORCING STEEL (BRIDGE)
184,196	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
47,027	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
8,099.63	LF	54" PRESTRESSED CONCRETE GIR- DERS
1,892.44	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
92	EA	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (12")
84	EA	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (20")
576	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
28	EA	PILE DRIVING EQUIPMENT SETUP FOR *** GALVANIZED STEEL PILES (PP14X0.50)
5,020	LF	12" PRESTRESSED CONCRETE PILES
4,760	LF	20" PRESTRESSED CONCRETE PILES
43,970	LF	HP12X53 STEEL PILES

2,510	LF	PP ** X **** GALVANIZED STEEL PILES (14X0.50)
34	EA	STEEL PILE POINTS
28	EA	PIPE PILE PLATES
274	LF	PREDRILLING FOR PILES
801	EA	PILE REDRIVES
712.59	LF	TWO BAR METAL RAIL
15,087.36	LF	CONCRETE BARRIER RAIL
744.24	LF	1'-**"X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
12,882.3	SY	4" SLOPE PROTECTION
1,883	TON	RIP RAP CLASS II (2'-0" THICK)
2,128	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
34,740	LF	GENERIC STRUCTURE ITEM HP14X73 METALLIZED STEEL PILES
28,382.49	LF	GENERIC STRUCTURE ITEM MODIFIED 74" PRESTRESSED CONCRETE GIRDERS
396	EA	GENERIC STRUCTURE ITEM PILE DRIVING EQUIPMENT SETUP FOR HP14X73 METALIZED STEEL PILES

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190416 003

CONTRACT ID : C204206 40089.3.1

DIV OFFICE EDENTON

LENGTH = 0.179 MI

COUNTY : BERTIE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : NOV 28 2020

BRIDGE #57 OVER QUIOCCOSION SWAMP ON US-13.

		ROADWAY ITEMS				
				80	DAY	FLAGGER
				1	EA	TMA
				51	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	MOBILIZATION		2,260	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
Lump Sum	LS	CONSTRUCTION SURVEYING		283	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (15+59.60)		6,000	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
300	CY	UNDERCUT EXCAVATION		7,600	LF	PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	GRADING		3,661	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING		13	EA	PERMANENT RAISED PAVEMENT MARKERS
65	CY	DRAINAGE DITCH EXCAVATION		151	LF	6" WATER LINE
300	CY	SELECT GRANULAR MATERIAL		664	LF	8" WATER LINE
3,950	SY	GEOTEXTILE FOR SOIL STABILIZATION		510	LB	DUCTILE IRON WATER PIPE FITTINGS
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		2	EA	2" AIR RELEASE VALVE
60	SY	FOUNDATION CONDITIONING GEOTEXTILE		2	EA	6" LINE STOP
48	LF	15" RC PIPE CULVERTS, CLASS III		713	LF	ABANDON 6" UTILITY PIPE
72	LF	15" RC PIPE CULVERTS, CLASS IV		660	LF	DIRECTIONAL DRILLING OF *** (8")
32	LF	18" RC PIPE CULVERTS, CLASS IV		2,400	LF	TEMPORARY SILT FENCE
1	EA	*** PIPE END SECTION (18")		75	TON	STONE FOR EROSION CONTROL, CLASS A
24	LF	*** CAA PIPE CULVERTS, ***** THICK (15", 0.064")		275	TON	STONE FOR EROSION CONTROL, CLASS B
2	EA	*** CAA PIPE ELBOWS, ***** THICK (15", 0.064")		140	TON	SEDIMENT CONTROL STONE
63	LF	PIPE REMOVAL		200	LB	SEED FOR TEMPORARY SEEDING
804	TON	AGGREGATE BASE COURSE		1	TON	FERTILIZER FOR TEMPORARY SEEDING
30	TON	INCIDENTAL STONE BASE		200	LF	TEMPORARY SLOPE DRAINS
566	GAL	PRIME COAT		1,000	LF	SAFETY FENCE
810	SY	INCIDENTAL MILLING		160	CY	SILT EXCAVATION
690	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		2,150	SY	MATTING FOR EROSION CONTROL
440	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C		100	SY	COIR FIBER MAT
920	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		50	SY	PERMANENT SOIL REINFORCEMENT MAT
115	TON	ASPHALT BINDER FOR PLANT MIX		210	LF	1/4" HARDWARE CLOTH
44.8	CY	SUBDRAIN EXCAVATION		425	SY	FLOATING TURBIDITY CURTAIN
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS		230	LF	COIR FIBER WATTLE
33.6	CY	SUBDRAIN COARSE AGGREGATE		60	LB	POLYACRYLAMIDE (PAM)
200	LF	6" PERFORATED SUBDRAIN PIPE		2.6	ACR	SEEDING & MULCHING
1	EA	SUBDRAIN PIPE OUTLET		1.3	ACR	MOWING
6	LF	6" OUTLET PIPE		50	LB	SEED FOR REPAIR SEEDING
6	EA	MASONRY DRAINAGE STRUCTURES		0.25	TON	FERTILIZER FOR REPAIR SEEDING
6	EA	FRAME WITH TWO GRATES, STD 840.29		75	LB	SEED FOR SUPPLEMENTAL SEEDING
225	LF	SHOULDER BERM GUTTER		2.25	TON	FERTILIZER TOPDRESSING
630	LF	STEEL BEAM GUARDRAIL		10	MHR	SPECIALIZED HAND MOWING
5	EA	ADDITIONAL GUARDRAIL POSTS		13	EA	RESPONSE FOR EROSION CONTROL
4	EA	GUARDRAIL END UNITS, TYPE TL-3		2	EA	CONCRETE WASHOUT STRUCTURE
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77				
630	LF	REMOVE EXISTING GUARDRAIL				
620	LF	TEMPORARY STEEL BEAM GUARDRAIL				
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)		Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (14+21.80-DET-)
4	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+59.60-L-)
450	TON	RIP RAP, CLASS II		Lump Sum	LS	ASBESTOS ASSESSMENT
10	TON	RIP RAP, CLASS B		1	EA	PDA TESTING
750	SY	GEOTEXTILE FOR DRAINAGE		Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+59.60-L-)
147	SF	WORK ZONE SIGNS (STATIONARY)		3,676	SF	REINFORCED CONCRETE DECK SLAB
96	SF	WORK ZONE SIGNS (PORTABLE)		4,860	SF	GROOVING BRIDGE FLOORS
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)		68	CY	CLASS A CONCRETE (BRIDGE)
49	EA	DRUMS				
60	LF	BARRICADES (TYPE III)				

STRUCTURE ITEMS

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+59.60-L-)
9,528	LB	REINFORCING STEEL (BRIDGE)
415.42	LF	45" PRESTRESSED CONCRETE GIR- DERS
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
980	LF	HP12X53 STEEL PILES
8	EA	PILE REDRIVES
166.67	LF	CONCRETE BARRIER RAIL
340	TON	RIP RAP CLASS II (2'-0" THICK)
380	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190416 004

CONTRACT ID : C202581 38664.3.3

DIV OFFICE DURHAM

LENGTH = 0.960 MI

COUNTY : ORANGE, DURHAM

GRADING, PAVING, DRAINAGE, AND SIGNALS.

DBE GOAL 12.0% COMPLETION DATE : FEB 15 2021

SR-1838/SR-2220 FROM US-15/501 IN ORANGE COUNTY TO SR-1113 IN DURHAM COUNTY.

		ROADWAY ITEMS				
				9	EA	FRAME WITH COVER, STD 840.54
				5,840	LF	2'-6" CONCRETE CURB & GUTTER
				3,920	SY	4" CONCRETE SIDEWALK
				31	EA	CONCRETE CURB RAMPS
				520	SY	6" CONCRETE DRIVEWAY
				11	SY	4" CONCRETE PAVED DITCH
				40	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
				1	EA	ADJUSTMENT OF CATCH BASINS
				9	EA	ADJUSTMENT OF MANHOLES
				20	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
				1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE
				40	LF	WOVEN WIRE FENCE, 47" FABRIC
				1	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
				4	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
				180	LF	CHAIN LINK FENCE, 48" FABRIC
				15	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
				4	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
				360	LF	GENERIC FENCING ITEM 48" WOODEN RAIL FENCE
				60	TON	RIP RAP, CLASS I
				220	TON	RIP RAP, CLASS B
				720	SY	GEOTEXTILE FOR DRAINAGE
				1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
				280	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
				1,230	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
				48	EA	SIGN ERECTION, TYPE E
				34	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
				2	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
				242	SF	WORK ZONE SIGNS (STATIONARY)
				96	SF	WORK ZONE SIGNS (PORTABLE)
				28	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
				1	EA	FLASHING ARROW BOARD
				1	EA	PORTABLE CHANGEABLE MESSAGE SIGN
				200	EA	DRUMS
				50	EA	CONES
				96	LF	PEDESTRIAN CHANNELIZING DEVICES
				300	DAY	FLAGGER
				1	EA	TMA
				150	HR	LAW ENFORCEMENT
				97	EA	TEMPORARY RAISED PAVEMENT MARKERS
				18,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
				490	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
				74	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
				40,300	LF	PAINT PAVEMENT MARKING LINES (4")
				180	LF	PAINT PAVEMENT MARKING LINES (12")
				560	LF	PAINT PAVEMENT MARKING LINES (24")
				10	EA	PAINT PAVEMENT MARKING SYMBOL
				21,500	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
				180	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
				10	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
				1,160	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING (24", 90MILS)
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	CONSTRUCTION SURVEYING				
Lump Sum	LS	GRADING				
	1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
	380	CY	UNDERCUT EXCAVATION			
	20	CY	DRAINAGE DITCH EXCAVATION			
	2	HR	PROOF ROLLING			
	380	CY	SELECT GRANULAR MATERIAL			
	4,400	SY	GEOTEXTILE FOR SOIL STABILIZATION			
	100	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL			
	700	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
	2,200	SY	FOUNDATION CONDITIONING GEOTEXTILE			
	24	LF	12" DRAINAGE PIPE			
	468	LF	15" DRAINAGE PIPE			
	56	LF	18" DRAINAGE PIPE			
	2	EA	*** DRAINAGE PIPE ELBOWS (12")			
	24	LF	24" RC PIPE CULVERTS, CLASS III			
	2,084	LF	15" RC PIPE CULVERTS, CLASS IV			
	244	LF	18" RC PIPE CULVERTS, CLASS IV			
	120	LF	36" RC PIPE CULVERTS, CLASS IV			
	80	LF	42" RC PIPE CULVERTS, CLASS IV			
	1,142	LF	PIPE REMOVAL			
	1	EA	PIPE CLEAN OUT			
	650	CY	SHALLOW UNDERCUT			
	1,300	TON	CLASS IV SUBGRADE STABILIZATION			
	3,540	TON	AGGREGATE BASE COURSE			
	100	TON	INCIDENTAL STONE BASE			
	2,465	GAL	PRIME COAT			
	900	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
	2,270	SY	INCIDENTAL MILLING			
	2,210	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
	2,450	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
	250	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
	3,030	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
	420	TON	ASPHALT BINDER FOR PLANT MIX			
	690	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
	34	CY	SUBDRAIN EXCAVATION			
	17	CY	SUBDRAIN FINE AGGREGATE			
	100	LF	6" PERFORATED SUBDRAIN PIPE			
	1	EA	SUBDRAIN PIPE OUTLET			
	6	LF	6" OUTLET PIPE			
	10	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE			
	7.9	CY	ENDWALLS			
	5	CY	FLOWABLE FILL			
	46	EA	MASONRY DRAINAGE STRUCTURES			
	0.88	LF	MASONRY DRAINAGE STRUCTURES			
	3	EA	FRAME WITH TWO GRATES, STD 840.16			
	4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
	16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
	15	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			

			3	EA	GUY ASSEMBLY
			1	EA	2" RISER WITH WEATHERHEAD
			270	LF	INDUCTIVE LOOP SAWCUT
			1,560	LF	LEAD-IN CABLE (***** (14-2)
			3	EA	SIGN FOR SIGNALS
			3	EA	TYPE II PEDESTAL WITH FOUND- ATION
81	EA	PERMANENT RAISED PAVEMENT MARKERS			
3	EA	7' U-CHANNEL POSTS			
3	EA	OBJECT MARKERS (END OF ROAD)			
10	LF	6" WATER LINE			
227	LF	8" WATER LINE			
3,107	LF	12" WATER LINE			
60	LF	16" WATER LINE			
9,760	LB	DUCTILE IRON WATER PIPE FITTINGS			
1	EA	6" VALVE			
3	EA	8" VALVE			
8	EA	12" VALVE			
1	EA	6" TAPPING SLEEVE & VALVE			
1	EA	8" TAPPING SLEEVE & VALVE			
2	EA	*** WATER METER (1")			
14	EA	*** WATER METER (5/8")			
1	EA	2" WATER METER			
9	EA	RELOCATE WATER METER			
7	EA	FIRE HYDRANT			
67	LF	FIRE HYDRANT LEG			
70	LF	*** WATER SERVICE LINE (2")			
560	LF	WATER SERVICE LINE			
9	EA	SANITARY SEWER CLEAN-OUT			
379	LF	SEWER SERVICE LINE			
3,239	LF	ABANDON 8" UTILITY PIPE			
5	EA	REMOVE WATER METER			
6	EA	REMOVE FIRE HYDRANT			
19,545	LF	TEMPORARY SILT FENCE			
135	TON	STONE FOR EROSION CONTROL, CLASS A			
585	TON	STONE FOR EROSION CONTROL, CLASS B			
1,170	TON	SEDIMENT CONTROL STONE			
8.5	ACR	TEMPORARY MULCHING			
500	LB	SEED FOR TEMPORARY SEEDING			
2.5	TON	FERTILIZER FOR TEMPORARY SEED- ING			
200	LF	TEMPORARY SLOPE DRAINS			
200	LF	SAFETY FENCE			
1,480	CY	SILT EXCAVATION			
19,700	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
30	SY	PERMANENT SOIL REINFORCEMENT MAT			
3,675	LF	1/4" HARDWARE CLOTH			
130	LF	*** TEMPORARY PIPE (12")			
130	LF	*** TEMPORARY PIPE (24")			
10	EA	SPECIAL STILLING BASINS			
50	LF	COIR FIBER BAFFLE			
9	ACR	SEEDING & MULCHING			
6	ACR	MOWING			
100	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
175	LB	SEED FOR SUPPLEMENTAL SEEDING			
4.75	TON	FERTILIZER TOPDRESSING			
20	LF	IMPERVIOUS DIKE			
10	MHR	SPECIALIZED HAND MOWING			
75	EA	RESPONSE FOR EROSION CONTROL			
1	EA	CONCRETE WASHOUT STRUCTURE			
0.1	ACR	REFORESTATION			
25	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE			
75	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT			
4	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
2,920	LF	SIGNAL CABLE			
6	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
4	EA	BACKPLATE			
330	LF	MESSANGER CABLE (3/8")			
380	LF	UNPAVED TRENCHING (***** (2, 2")			
50	LF	DIRECTIONAL DRILL (***** (2, 2")			
5	EA	JUNCTION BOX (STANDARD SIZE)			
1	EA	WOOD POLE			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190416 005

CONTRACT ID : C204325 45634.3.1

DIV OFFICE DURHAM

LENGTH = 0.095 MI

COUNTY : VANCE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : OCT 28 2020

BRIDGE #70 OVER FLAT CREEK ON SR-1326.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (15+93.70-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
400	CY	UNDERCUT EXCAVATION
30	CY	DRAINAGE DITCH EXCAVATION
400	CY	SELECT GRANULAR MATERIAL
700	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
10	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
20	SY	FOUNDATION CONDITIONING GEO- TEXTILE
16	LF	15" DRAINAGE PIPE
2	EA	*** DRAINAGE PIPE ELBOWS (15")
28	LF	15" RC PIPE CULVERTS, CLASS IV
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZA- TION
290	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
290	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
270	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
45	TON	ASPHALT BINDER FOR PLANT MIX
10	EA	RIGHT-OF-WAY MARKERS
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
32	LF	SHOULDER BERM GUTTER
50	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL END UNITS, TYPE TL-3
305	TON	RIP RAP, CLASS II
80	TON	RIP RAP, CLASS B
815	SY	GEOTEXTILE FOR DRAINAGE
405	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
28	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
6	EA	DRUMS
64	LF	BARRICADES (TYPE III)
4,000	LF	PAINT PAVEMENT MARKING LINES (4")
1,050	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
40	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
30	CY	SILT EXCAVATION
5,640	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
180	LF	1/4" HARDWARE CLOTH
2	EA	SPECIAL STILLING BASINS
10	LB	POLYACRYLAMIDE (PAM)
3	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
200	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
7	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (15+93.70-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+93.70-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
29.5	LF	3'-0" DIA DRILLED PIERS IN SOIL
55	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
40.8	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
1	EA	SID INSPECTIONS
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (15+93.70-L-)
58.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+93.70-L-)
15,798	LB	REINFORCING STEEL (BRIDGE)
1,729	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
265	LF	HP12X53 STEEL PILES
14	EA	STEEL PILE POINTS
200.5	LF	VERTICAL CONCRETE BARRIER RAIL
150	TON	RIP RAP CLASS II (2'-0" THICK)
165	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,100	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS





			2	EA	GENERIC SIGNAL ITEM VENDOR A OBU	
			6	EA	GENERIC SIGNAL ITEM VENDOR A RSU	
20	EA	GENERIC SIGNAL ITEM FURNISH DETECTOR CARD		1	EA	GENERIC SIGNAL ITEM VENDOR A SPARE RSU
10	EA	GENERIC SIGNAL ITEM FURNISH FIELD ETHERNET SWITCH		1	EA	GENERIC SIGNAL ITEM VENDOR B HMI
10	EA	GENERIC SIGNAL ITEM FURNISH FLASH TRANSFER RELAY		2	EA	GENERIC SIGNAL ITEM VENDOR B OBU
10	EA	GENERIC SIGNAL ITEM FURNISH FLASHER MODULE		6	EA	GENERIC SIGNAL ITEM VENDOR B RSU
1	EA	GENERIC SIGNAL ITEM FURNISH INTERCONNECT CENTER (OVERSIZED)		1	EA	GENERIC SIGNAL ITEM VENDOR B SPARE RSU
10	EA	GENERIC SIGNAL ITEM FURNISH INTERCONNECT CENTER (STANDARD)		1	EA	GENERIC SIGNAL ITEM VENDOR C HMI
10	EA	GENERIC SIGNAL ITEM FURNISH LOAD SWITCH		2	EA	GENERIC SIGNAL ITEM VENDOR C OBU
2	EA	GENERIC SIGNAL ITEM FURNISH POLE MOUNT 336 CABINET		6	EA	GENERIC SIGNAL ITEM VENDOR C RSU
20	EA	GENERIC SIGNAL ITEM FURNISH SPLICE ENCLOSURE		1	EA	GENERIC SIGNAL ITEM VENDOR C SPARE RSU
20	EA	GENERIC SIGNAL ITEM FURNISH ST PIGTAILS		4	EA	GENERIC SIGNAL ITEM VIDEO CONVERTER UNIT
40	EA	GENERIC SIGNAL ITEM FURNISH ST-LC HYBRID JUMPERS		9	EA	GENERIC SIGNAL ITEM VIDEO DISPLAY APPLIANCE
10	EA	GENERIC SIGNAL ITEM FURNISH SURGE PROTECTOR		1	EA	GENERIC SIGNAL ITEM VIDEO MANAGEMENT SYSTEM SERVER
1	EA	GENERIC SIGNAL ITEM FURNISH TEST CABINET & CON- TROLLER		1	EA	GENERIC SIGNAL ITEM VPN FIREWALL
3	EA	GENERIC SIGNAL ITEM HUB ETHERNET SWITCH		1	EA	GENERIC SIGNAL ITEM WIRELESS ACCESS POINT
6	EA	GENERIC SIGNAL ITEM INSTALL CELLULAR MODEM & AN- TENNA		13	EA	GENERIC SIGNAL ITEM WIRELESS ETHERNET RADIO SYSTEM
2	EA	GENERIC SIGNAL ITEM INTEGRATED CABINET BASE ADAPTER		Lump Sum	LS	GENERIC SIGNAL ITEM COMPUTER HARDWARE INTEGRATION
3	EA	GENERIC SIGNAL ITEM INTERCONNECT CENTER (OVER- SIZED)		Lump Sum	LS	GENERIC SIGNAL ITEM DURHAM CITY HALL BUILDING MOD- IFICATIONS
399	EA	GENERIC SIGNAL ITEM INTERCONNECT CENTER (STANDARD)		Lump Sum	LS	GENERIC SIGNAL ITEM DURHAM SIGNAL SHOP BUILDING MODIFICATIONS
7	EA	GENERIC SIGNAL ITEM LAPTOP COMPUTER		Lump Sum	LS	GENERIC SIGNAL ITEM ENTERPRISE VIDEO MANAGEMENT SYSTEM SOFTWARE
2	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE		Lump Sum	LS	GENERIC SIGNAL ITEM INTERSECTION MAP CREATION & INSTALLATION
6	EA	GENERIC SIGNAL ITEM NETWORK ETHERNET SWITCH		Lump Sum	LS	GENERIC SIGNAL ITEM LAN INTEGRATION
1	EA	GENERIC SIGNAL ITEM PUBLIC INTERNET SERVICE		Lump Sum	LS	GENERIC SIGNAL ITEM NETWORK PERFORMANCE MANAGEMENT SOFTWARE
2	EA	GENERIC SIGNAL ITEM RACK CABINET		Lump Sum	LS	GENERIC SIGNAL ITEM SIGNAL SYSTEM SOFTWARE
1	EA	GENERIC SIGNAL ITEM REMOTE ACCESS SERVER		Lump Sum	LS	GENERIC SIGNAL ITEM TEST BED CONFIGURATION & TESTING
5	EA	GENERIC SIGNAL ITEM REMOVE & REPLACE TRAFFIC SIGNAL SPAN POLE		Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING
6	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CABINET FOUNDATION		Lump Sum	LS	GENERIC SIGNAL ITEM VEHICLE PREEMPTION SYSTEM SOFTWARE
17	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV ASSEMBLY		Lump Sum	LS	GENERIC SIGNAL ITEM VENDOR A TEST BED TRAINING
6	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV CABINET		Lump Sum	LS	GENERIC SIGNAL ITEM VENDOR B TEST BED TRAINING
16	EA	GENERIC SIGNAL ITEM REMOVE EXISTING ELECTRICAL SERVICE		Lump Sum	LS	GENERIC SIGNAL ITEM VENDOR C TEST BED TRAINING
30	EA	GENERIC SIGNAL ITEM REMOVE EXISTING JUNCTION BOX		Lump Sum	LS	GENERIC SIGNAL ITEM VIDEO WALL SYSTEM
18	EA	GENERIC SIGNAL ITEM REMOVE EXISTING WIRELESS RADIO AND ANTENNA	1,400	LF		GENERIC SIGNAL ITEM COMMUNICATIONS CABLE (ARMORED 12-FIBER)
1	EA	GENERIC SIGNAL ITEM SIGNAL SYSTEM COMMUNICATIONS SERVER	2,800	LF		GENERIC SIGNAL ITEM COMMUNICATIONS CABLE (ARMORED 72-FIBER)
6	EA	GENERIC SIGNAL ITEM SPARE RSU POE SURGE PROTECTOR	1,800	LF		GENERIC SIGNAL ITEM DIRECTIONAL DRILL (1, 5") & (2, 2")
1	EA	GENERIC SIGNAL ITEM SPAT GUI LAPTOP COMPUTER	500	LF		GENERIC SIGNAL ITEM DIRECTIONAL DRILL (1, 6") & (3, 2")
51	EA	GENERIC SIGNAL ITEM TERMINAL SPLICE BOX	2,500	LF		GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (144 FIBER)
2	EA	GENERIC SIGNAL ITEM UPGRADE CCTV LIGHTNING PROTECTION	5,000	LF		GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (24 FIBER)
140	EA	GENERIC SIGNAL ITEM VEHICLE PREEMPTION SYSTEM INTERSECTION EQUIPMENT	500	LF		GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (288 FIBER)
1	EA	GENERIC SIGNAL ITEM VEHICLE PREEMPTION SYSTEM SERVER	2,500	LF		GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (36 FIBER)
1	EA	GENERIC SIGNAL ITEM VENDOR A HMI				

5,000	LF	GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (72 FIBER)
2,500	LF	GENERIC SIGNAL ITEM FURNISH DROP CABLE
14,700	LF	GENERIC SIGNAL ITEM POE CABLE

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190416 007

CONTRACT ID : C204324 46379.3.1

DIV OFFICE DURHAM

LENGTH = 0.352 MI

COUNTY : GRANVILLE

GRADING, DRAINAGE, PAVING, AND SIGNALS.

DBE GOAL 10.0% COMPLETION DATE : NOV 28 2020

NC-56 AT US-15 AND NC-50 IN CREEDMOOR.

ROADWAY ITEMS				
		17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
		2	EA	FRAME WITH COVER, STD 840.54
Lump Sum	LS	7	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
Lump Sum	LS			
Lump Sum	LS			
	1	620	LF	***X*** CONCRETE CURB (8" X 6")
	200	1,150	LF	1'-6" CONCRETE CURB & GUTTER
	260	3,300	LF	2'-6" CONCRETE CURB & GUTTER
	2	1,210	SY	4" CONCRETE SIDEWALK
	300	18	EA	CONCRETE CURB RAMPS
	400	450	SY	6" CONCRETE DRIVEWAY
		180	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
	50	2	EA	ADJUSTMENT OF CATCH BASINS
		13	EA	ADJUSTMENT OF MANHOLES
	390	3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
		1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
1,220	SY			
	140	65	TON	RIP RAP, CLASS I
	148	15	TON	RIP RAP, CLASS II
		15	TON	RIP RAP, CLASS B
	96	875	SY	GEOTEXTILE FOR DRAINAGE
		111	SF	CONTRACTOR FURNISHED, TYPE *** (D)
	2,096	162	SF	CONTRACTOR FURNISHED, TYPE *** (E)
	268	182	SF	CONTRACTOR FURNISHED, TYPE *** (F)
	40			
	80	830	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
	772	7	EA	SIGN ERECTION, TYPE D
	729	28	EA	SIGN ERECTION, TYPE E
	1	12	EA	SIGN ERECTION, TYPE F
	200	35	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	400	267	SF	WORK ZONE SIGNS (STATIONARY)
		96	SF	WORK ZONE SIGNS (PORTABLE)
	470	270	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
	670	126	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
2,800	TON			
		118	EA	DRUMS
1,925	TON	304	LF	BARRICADES (TYPE III)
		80	DAY	FLAGGER
2,335	TON	20	HR	LAW ENFORCEMENT
		124	EA	TEMPORARY RAISED PAVEMENT MARKERS
	360	2,688	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
	100	6,504	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
		451	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
	68	1,236	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
	200	26	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
	1	27,363	LF	PAINT PAVEMENT MARKING LINES (4")
	6	1,622	LF	PAINT PAVEMENT MARKING LINES (8")
	4	648	LF	PAINT PAVEMENT MARKING LINES (24")
		52	EA	PAINT PAVEMENT MARKING SYMBOL
	3.4	36	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
	10.4	25	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
	1.3	10	EA	PERMANENT RAISED PAVEMENT MARKERS
	0.5	118	EA	SNOWPLOWABLE PAVEMENT MARKERS
	18	279	LF	6" WATER LINE
	55	435	LF	8" WATER LINE
	29.3			
	20.2			
	1			
	7			
	14			
	4			
	12			

			1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
			8	EA	DETECTOR CARD (TYPE 2070L)
			1	EA	CABINET BASE EXTENDER
			1	EA	TRAFFIC SIGNAL REMOVAL
94	LF	12" WATER LINE			
2,690	LB	DUCTILE IRON WATER PIPE FITTINGS			
1	EA	2" VALVE			
3	EA	6" VALVE			
1	EA	8" VALVE			
1	EA	*** TAPPING SLEEVE & VALVE (2")			
1	EA	8" TAPPING SLEEVE & VALVE			
5	EA	RELOCATE WATER METER			
4	EA	RECONNECT WATER METER			
1	EA	FIRE HYDRANT			
80	LF	FIRE HYDRANT LEG			
233	LF	*** WATER SERVICE LINE (2")			
219	LF	WATER SERVICE LINE			
593	LF	8" SANITARY GRAVITY SEWER			
2	EA	SANITARY SEWER CLEAN-OUT			
18	LF	SEWER SERVICE LINE			
5	EA	4' DIA UTILITY MANHOLE			
13	LF	UTILITY MANHOLE WALL 4' DIA			
450	LF	ABANDON 6" UTILITY PIPE			
826	LF	ABANDON 8" UTILITY PIPE			
66	LF	ABANDON 12" UTILITY PIPE			
1	EA	ABANDON UTILITY MANHOLE			
50	LF	18" ENCASEMENT PIPE			
50	LF	BORE AND JACK OF *** (18")			
4,460	LF	TEMPORARY SILT FENCE			
615	TON	STONE FOR EROSION CONTROL, CLASS A			
535	TON	STONE FOR EROSION CONTROL, CLASS B			
835	TON	SEDIMENT CONTROL STONE			
5.5	ACR	TEMPORARY MULCHING			
400	LB	SEED FOR TEMPORARY SEEDING			
2.5	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
200	LF	SAFETY FENCE			
1,300	CY	SILT EXCAVATION			
9,685	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
1,750	LF	1/4" HARDWARE CLOTH			
150	LF	COIR FIBER WATTLE			
75	LB	POLYACRYLAMIDE (PAM)			
150	LF	COIR FIBER BAFFLE			
1	EA	*** SKIMMER (1-1/2")			
6	ACR	SEEDING & MULCHING			
3	ACR	MOWING			
100	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
150	LB	SEED FOR SUPPLEMENTAL SEEDING			
4	TON	FERTILIZER TOPDRESSING			
10	MHR	SPECIALIZED HAND MOWING			
25	EA	RESPONSE FOR EROSION CONTROL			
6	EA	CONCRETE WASHOUT STRUCTURE			
0.1	ACR	REFORESTATION			
6	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
1,400	LF	SIGNAL CABLE			
7	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
75	LF	UNPAVED TRENCHING (*****) (1, 2")			
350	LF	UNPAVED TRENCHING (*****) (2, 2")			
200	LF	DIRECTIONAL DRILL (*****) (2, 2")			
9	EA	JUNCTION BOX (STANDARD SIZE)			
950	LF	INDUCTIVE LOOP SAWCUT			
4,200	LF	LEAD-IN CABLE (*****) (14-2)			
2	EA	METAL POLE WITH DUAL MAST ARM			
2	EA	SOIL TEST			
12	CY	DRILLED PIER FOUNDATION			
2	EA	MAST ARM WITH METAL POLE DESIGN			
1	EA	SIGN FOR SIGNALS			
6	EA	TYPE II PEDESTAL WITH FOUNDATION			
1	EA	SIGNAL CABINET FOUNDATION			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190416 008

CONTRACT ID : C204078 40174.3.1

DIV OFFICE GREENSBORO

LENGTH = 0.296 MI

COUNTY : ORANGE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 2.0% COMPLETION DATE : DEC 28 2021

BRIDGE #46 OVER ENO RIVER ON US-70 BYPASS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
13,200	CY	UNCLASSIFIED EXCAVATION
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (17+37.50 -L-)
800	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
680	CY	DRAINAGE DITCH EXCAVATION
700	CY	SELECT GRANULAR MATERIAL
1,400	SY	GEOTEXTILE FOR SOIL STABILIZATION
785	SF	TEMPORARY SHORING
175	SY	ROCK PLATING
80	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
230	SY	FOUNDATION CONDITIONING GEOTEXTILE
96	LF	15" RC PIPE CULVERTS, CLASS IV
216	LF	15" CS PIPE CULVERTS, 0.064" THICK
374	LF	18" CS PIPE CULVERTS, 0.064" THICK
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
6	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
350	LF	PIPE REMOVAL
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZATION
15,400	TON	AGGREGATE BASE COURSE
800	GAL	PRIME COAT
710	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")
300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
350	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1,100	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
100	TON	ASPHALT BINDER FOR PLANT MIX
201.6	CY	SUBDRAIN EXCAVATION
100.8	CY	SUBDRAIN FINE AGGREGATE
600	LF	6" PERFORATED SUBDRAIN PIPE
2	EA	SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE
8	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.22
4	EA	FRAME WITH TWO GRATES, STD 840.29
80	LF	SHOULDER BERM GUTTER
800	LF	STEEL BEAM GUARDRAIL
200	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
1	EA	GUARDRAIL END UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
3	EA	GUARDRAIL END UNITS, TYPE TL-3
1	EA	GUARDRAIL END UNITS, TYPE TL-2
1,145	LF	REMOVE EXISTING GUARDRAIL
425	LF	TEMPORARY STEEL BEAM GUARDRAIL
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
6	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
127	TON	RIP RAP, CLASS I
120	TON	RIP RAP, CLASS II

208	TON	RIP RAP, CLASS B
1,050	SY	GEOTEXTILE FOR DRAINAGE
100	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
4	EA	SIGN ERECTION, TYPE D
6	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
231	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
65	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
200	EA	DRUMS
104	LF	BARRICADES (TYPE III)
20	DAY	FLAGGER
103	EA	TEMPORARY RAISED PAVEMENT MARKERS
2,767	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2,653	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,060	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
1,080	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
31,260	LF	PAINT PAVEMENT MARKING LINES (4")
4	EA	PERMANENT RAISED PAVEMENT MARKERS
17	EA	SNOWPLOWABLE PAVEMENT MARKERS
2,700	LF	TEMPORARY SILT FENCE
300	TON	STONE FOR EROSION CONTROL, CLASS A
640	TON	STONE FOR EROSION CONTROL, CLASS B
685	TON	SEDIMENT CONTROL STONE
8	ACR	TEMPORARY MULCHING
500	LB	SEED FOR TEMPORARY SEEDING
3.5	TON	FERTILIZER FOR TEMPORARY SEEDING
400	LF	TEMPORARY SLOPE DRAINS
600	LF	SAFETY FENCE
1,350	CY	SILT EXCAVATION
9,500	SY	MATTING FOR EROSION CONTROL
2,045	SY	COIR FIBER MAT
622	SY	PERMANENT SOIL REINFORCEMENT MAT
955	LF	1/4" HARDWARE CLOTH
105	LF	*** TEMPORARY PIPE (15")
11	EA	SPECIAL STILLING BASINS
420	LF	COIR FIBER WATTLE
290	LB	POLYACRYLAMIDE (PAM)
255	LF	COIR FIBER BAFFLE
1	EA	*** SKIMMER (1-1/2")
8	ACR	SEEDING & MULCHING
4	ACR	MOWING
100	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
175	LB	SEED FOR SUPPLEMENTAL SEEDING
5	TON	FERTILIZER TOPDRESSING
30	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
36	EA	RESPONSE FOR EROSION CONTROL
3	EA	CONCRETE WASHOUT STRUCTURE
0.6	ACR	REFORESTATION

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+16.72 -L-)
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55	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
58	CY	CLASS A CONCRETE (CULVERT)
7,279	LB	REINFORCING STEEL (CULVERT)

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (16+42.00 -L DET-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (17+37.50 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+37.50 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
17.8	LF	4'-0" DIA DRILLED PIERS IN SOIL
38	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
19.2	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (17+37.50 -L-)
9,165	SF	REINFORCED CONCRETE DECK SLAB
9,027	SF	GROOVING BRIDGE FLOORS
166.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+37.50 -L-)
32,239	LB	REINFORCING STEEL (BRIDGE)
4,464	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,044.2	LF	54" PRESTRESSED CONCRETE GIRDERS
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
245	LF	HP12X53 STEEL PILES
14	EA	STEEL PILE POINTS
510.7	LF	TWO BAR METAL RAIL
526.63	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 2'-6")
94	TON	RIP RAP CLASS II (2'-0" THICK)
105	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190416 009

CONTRACT ID : C204179 40162.3.1

DIV OFFICE ABERDEEN

LENGTH = 0.947 MI

COUNTY : CHATHAM, LEE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : NOV 28 2021

BRIDGE # 10 OVER DEEP RIVER ON US-15/501 AND NC-87.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
Lump Sum	LS	CONSTRUCTION SURVEYING	900	LF	STEEL BEAM GUARDRAIL
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (34+65.00)	5	EA	ADDITIONAL GUARDRAIL POSTS
3,050	CY	UNDERCUT EXCAVATION	4	EA	GUARDRAIL END UNITS, TYPE TL-3
Lump Sum	LS	GRADING	4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2,420	LF	REMOVE EXISTING GUARDRAIL
2	EA	EMBANKMENT SETTLEMENT GAUGES	520	LF	WOVEN WIRE FENCE, 47" FABRIC
130	CY	DRAINAGE DITCH EXCAVATION	30	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
580	LF	BERM DITCH CONSTRUCTION	15	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
2,800	CY	SELECT GRANULAR MATERIAL	125	LF	WOVEN WIRE FENCE RESET
4,600	SY	GEOTEXTILE FOR SOIL STABILIZATION	100	TON	RIP RAP, CLASS B
3,650	SF	TEMPORARY SHORING	1,435	SY	GEOTEXTILE FOR DRAINAGE
288	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
959	SY	FOUNDATION CONDITIONING GEOTEXTILE	172	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
524	LF	15" DRAINAGE PIPE	4	EA	SIGN ERECTION, TYPE D
316	LF	18" DRAINAGE PIPE	5	EA	SIGN ERECTION, TYPE E
424	LF	24" DRAINAGE PIPE	2	EA	SIGN ERECTION, TYPE F
2	EA	*** DRAINAGE PIPE ELBOWS (24")	1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (TYPE D)
112	LF	18" SIDE DRAIN PIPE	8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
136	LF	15" RC PIPE CULVERTS, CLASS III	1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
156	LF	24" RC PIPE CULVERTS, CLASS III	48	SF	WORK ZONE SIGNS (STATIONARY)
88	LF	15" RC PIPE CULVERTS, CLASS IV	144	SF	WORK ZONE SIGNS (PORTABLE)
320	LF	18" RC PIPE CULVERTS, CLASS IV	46	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
20	LF	15" CS PIPE CULVERTS, 0.064" THICK	10	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
76	LF	18" CS PIPE CULVERTS, 0.064" THICK	198	EA	DRUMS
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	63	EA	CONES
1,452	LF	PIPE REMOVAL	48	LF	BARRICADES (TYPE III)
600	CY	SHALLOW UNDERCUT	120	DAY	FLAGGER
1,455	TON	CLASS IV SUBGRADE STABILIZATION	112	EA	TEMPORARY RAISED PAVEMENT MARKERS
600	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	9,284	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
100	TON	INCIDENTAL STONE BASE	10,697	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,750	SY	INCIDENTAL MILLING	160	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
3,400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	30	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
3,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	2	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
3,350	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2,608	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
525	TON	ASPHALT BINDER FOR PLANT MIX	2,608	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") TYPE 2 HIGH PERFORMANCE
104	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	39,543	LF	PAINT PAVEMENT MARKING LINES (4")
112	CY	SUBDRAIN EXCAVATION	320	LF	PAINT PAVEMENT MARKING LINES (12")
500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	2,608	LF	PAINT PAVEMENT MARKING LINES (24")
84	CY	SUBDRAIN COARSE AGGREGATE	4	EA	PAINT PAVEMENT MARKING SYMBOL
500	LF	6" PERFORATED SUBDRAIN PIPE	2,608	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1	EA	SUBDRAIN PIPE OUTLET	112	EA	PERMANENT RAISED PAVEMENT MARKERS
6	LF	6" OUTLET PIPE	602	LF	8" WATER LINE
26	EA	MASONRY DRAINAGE STRUCTURES	154	LF	12" WATER LINE
9.3	LF	MASONRY DRAINAGE STRUCTURES	2,315	LB	DUCTILE IRON WATER PIPE FITTINGS
15	EA	FRAME WITH TWO GRATES, STD 840.22	1	EA	2" AIR RELEASE VALVE
5	EA	FRAME WITH TWO GRATES, STD 840.29	50	LF	18" ENCASMENT PIPE
7	EA	FRAME WITH COVER, STD 840.54	4,000	LF	TEMPORARY SILT FENCE
100	LF	SHOULDER BERM GUTTER	400	TON	STONE FOR EROSION CONTROL, CLASS A
260	SY	4" CONCRETE PAVED DITCH	2,035	TON	STONE FOR EROSION CONTROL, CLASS B
60	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			

1,560	TON	SEDIMENT CONTROL STONE
17	ACR	TEMPORARY MULCHING
1,100	LB	SEED FOR TEMPORARY SEEDING
5.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
1,960	CY	SILT EXCAVATION
16,015	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
200	SY	PERMANENT SOIL REINFORCEMENT MAT
3,325	LF	1/4" HARDWARE CLOTH
8	EA	SPECIAL STILLING BASINS
310	LB	POLYACRYLAMIDE (PAM)
115	LF	COIR FIBER BAFFLE
18	ACR	SEEDING & MULCHING
12	ACR	MOWING
200	LB	SEED FOR REPAIR SEEDING
0.5	TON	FERTILIZER FOR REPAIR SEEDING
400	LB	SEED FOR SUPPLEMENTAL SEEDING
11.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
6	EA	CONCRETE WASHOUT STRUCTURE
1	ACR	REFORESTATION

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (34+65.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (34+65.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
95	LF	***,***" DIA DRILLED PIERS IN SOIL (5'-0")
61	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (5'-0")
16	LF	PERMANENT STEEL CASING FOR ***,***" DIA DRILLED PIER (5'-0")
1	EA	SID INSPECTIONS
1	EA	SPT TESTING
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (34+65.00-L-)
24,808	SF	REINFORCED CONCRETE DECK SLAB
22,727	SF	GROOVING BRIDGE FLOORS
254.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (34+65.00-L-)
64,446	LB	REINFORCING STEEL (BRIDGE)
6,505	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,071,000	LS	APPROX ..... LBS STRUCTURAL STEEL
20	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
652	LF	HP12X53 STEEL PILES
20	EA	STEEL PILE POINTS
1,242.8	LF	CONCRETE BARRIER RAIL
1,049	TON	RIP RAP CLASS II (2'-0" THICK)
1,166	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	DISC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
3,000	CY	GENERIC STRUCTURE ITEM DEBRIS REMOVAL
6	EA	GENERIC STRUCTURE ITEM MOBILIZATION FOR DEBRIS REMOVAL



## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190416 010

CONTRACT ID : C204244 53061.3.GV1

DIV OFFICE WINSTON-SALEM

LENGTH = 10.888 MI

COUNTY : ROWAN

PAVEMENT REHABILITATION AND BRIDGE PRESERVATION.

DBE GOAL 8.0% COMPLETION DATE : NOV 01 2020

I-85 FROM US-29/601 IN CHINA GROVE TO US-601 IN SALISBURY &amp; FROM S OF US-52 IN SALISBURY TO N OF SR-2120 IN SPENCER.

ROADWAY ITEMS			STRUCTURE ITEMS		
			4	EA	GENERIC TRAFFIC CONTROL ITEM CONNECTED LANE CLOSURE DEVICE
			1	EA	GENERIC TRAFFIC CONTROL ITEM STOC MANAGED PCMS
Lump Sum	LS	MOBILIZATION	1,100	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	CONSTRUCTION SURVEYING	745	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
17,480	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	51,150	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	100	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
40	SY	FOUNDATION CONDITIONING GEOTEXTILE	471,173	LF	PAINT PAVEMENT MARKING LINES (6")
87	LF	15" RC PIPE CULVERTS, CLASS IV	23,352	LF	PAINT PAVEMENT MARKING LINES (12")
25	LF	15" CS PIPE CULVERTS, 0.064" THICK	471,173	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	23,352	LF	POLYUREA PAVEMENT MARKING LINES (12", 20 MILS)
7	TON	AGGREGATE BASE COURSE	498,673	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
35,904	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	23,352	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
5,360	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	100	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
2,930	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	5,613	EA	SNOWFLOWABLE PAVEMENT MARKERS
8,330	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	Lump Sum	LS	PORTABLE LIGHTING
885	TON	ASPHALT BINDER FOR PLANT MIX	150	LF	TEMPORARY SILT FENCE
580	SY	REPAIR OF JOINTED CONCRETE PAVEMENT SLABS	360	SY	MATTING FOR EROSION CONTROL
290	TON	SELECT MATERIAL, CLASS IV	30	LF	WATTLE
10,550	SF	PATCHING CONCRETE PAVEMENT SPALLS	0.1	ACR	SEEDING & MULCHING
342,720	SY	GENERIC PAVING ITEM DIAMOND GRINDING PCC PAVEMENT	100	LB	SEED FOR REPAIR SEEDING
20	LF	SHOULDER DRAIN	25	TON	FERTILIZER FOR REPAIR SEEDING
20	LF	4" SHOULDER DRAIN PIPE	2	EA	RESPONSE FOR EROSION CONTROL
10	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	1	EA	CONCRETE WASHOUT STRUCTURE
1	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET			
2	EA	MASONRY DRAINAGE STRUCTURES			
2	EA	FRAME WITH TWO GRATES, STD 840.20			
120	LF	SHOULDER BERM GUTTER	5	CF	CONCRETE REPAIRS
125	LF	STEEL BEAM GUARDRAIL	1	CF	SHOTCRETE REPAIRS
42	EA	GUARDRAIL END UNITS, TYPE TL-3	Lump Sum	LS	STRIP SEALS
125	LF	REMOVE EXISTING GUARDRAIL	1,026	LF	GENERIC STRUCTURE ITEM FOAM JOINT SEALS FOR PRESERVATION
5	TON	RIP RAP, CLASS B	286	LF	GENERIC STRUCTURE ITEM POURABLE SILICONE JOINT SEALANT
10	SY	GEOTEXTILE FOR DRAINAGE	379.5	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE FOR PRESERVATION
368	SF	WORK ZONE SIGNS (STATIONARY)	1,312	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
450	SF	WORK ZONE SIGNS (PORTABLE)	35	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR SILANE DECK TREATMENT
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	715	SF	GENERIC STRUCTURE ITEM CONCRETE WORK FOR JOINT REPLACEMENT
8	EA	FLASHING ARROW BOARD	15,646	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	15,646	SY	GENERIC STRUCTURE ITEM SILANE DECK TREATMENT
40	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)			
6	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS			
5	EA	WORK ZONE PRESENCE LIGHTING			
280	EA	DRUMS			
60	EA	SEQUENTIAL FLASHING WARNING LIGHTS			
32	LF	BARRICADES (TYPE III)			
1	EA	TEMPORARY CRASH CUSHIONS			
11	EA	REMOVE & RESET TEMPORARY CRASH CUSHION			
7	EA	TMA			
1,000	LF	PORTABLE CONCRETE BARRIER			
14,000	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER			
200	HR	LAW ENFORCEMENT			
41,120	SF	GENERIC TRAFFIC CONTROL ITEM TEMPORARY RUMBLE STRIP PATCHING			

