



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 April 19, 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 – June 2, 2019**
- **First Division Letting Using Project Bids – June 3, 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  
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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 JUNE 18, 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 MAY 21, 2019.  
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.

<b><u>DIV NO.</u></b>	<b><u>DIVISION ENGINEER</u></b>	<b><u>LOCATION</u></b>	<b><u>TOWN</u></b>	<b><u>TELEPHONE</u></b>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	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	121 DOT DRIVE	CARTHAGE	(910) 773-8000
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** L190618

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
005	C204182	41162.3.1	DARE	4.204 MI	GRADING, DRAINAGE, PAVING, AND SAFETY IMPROVEMENTS.
006	C204151	38365.3.1	BRUNSWICK	0.403 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
007	C204428	38400.3.3	FRANKLIN	0.180 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
008	C204466	54034.3.1	GUILFORD	1.018 MI	GRADING, PAVING, AND DRAINAGE.
009	C204342	46974.3.1	GASTON	0.000 MI	SIGNALS AND ITS.
010	C204341	44390.3.1	MCDOWELL	0.530 MI	GRADING, DRAINAGE, PAVING, SIGNALS, RETAINING WALLS, & STRS.

**Bid Letting Number** L190716

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
002	C204210	34472.3.2	NORTHAMPTON	8.197 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
*003	C204266	36030.3.GV4	BUNCOMBE, HENDERSON	7.490 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

\*C204266 BUNCOMBE HENDERSON HAS A MANDATORY PRE-BID CONFERENCE AT 9:00AM MONDAY, JUNE 24, 2019 AT AB TECH COMMUNITY COLLEGE - ASHEVILLE CAMPUS, FERGUSON AUDITORIUM, 340 VICTORIA ROAD, ASHEVILLE, NC 28801. NATHAN MONEYHAM 828-250-3000.

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

L190618 005

CONTRACT ID : C204182 41162.3.1

DIV OFFICE EDENTON

LENGTH = 4.204 MI

COUNTY : DARE

GRADING, DRAINAGE, PAVING, AND SAFETY IMPROVEMENTS.

DBE GOAL 6.0% COMPLETION DATE : NOV 11 2021

SR-1217 (COLINGTON RD) FROM DEAD END TO US-158 (CROATAN HWY) IN KILL DEVIL HILLS.

ROADWAY ITEMS				
			13,470	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			2,075	TON ASPHALT BINDER FOR PLANT MIX
			2,320	TON ASPHALT PLANT MIX, PAVEMENT REPAIR
Lump Sum	LS	MOBILIZATION	448	CY SUBDRAIN EXCAVATION
Lump Sum	LS	CONSTRUCTION SURVEYING	2,000	SY GEOTEXTILE FOR SUBSURFACE DRAINS
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	336	CY SUBDRAIN COARSE AGGREGATE
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2,000	LF 6" PERFORATED SUBDRAIN PIPE
7,350	CY	UNCLASSIFIED EXCAVATION	4	EA SUBDRAIN PIPE OUTLET
9,180	CY	UNDERCUT EXCAVATION	24	LF 6" OUTLET PIPE
21,150	CY	BORROW EXCAVATION	13.38	CY PIPE COLLARS
40	CY	DRAINAGE DITCH EXCAVATION	34	EA MASONRY DRAINAGE STRUCTURES
8,280	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	23	EA FRAME WITH TWO GRATES, STD 840.16
410	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	3	EA FRAME WITH TWO GRATES, STD 840.24
9,180	CY	SELECT GRANULAR MATERIAL	2	EA FRAME WITH TWO GRATES, STD 840.29
24,900	SY	GEOTEXTILE FOR SOIL STABILIZATION	1	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
343	SF	TEMPORARY SHORING	1	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
600	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	1	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
1,280	SY	ROCK PLATING	4	EA FRAME WITH COVER, STD 840.54
100	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	1	EA CONCRETE TRANSITIONAL SECTION FOR DROP INLET
1,710	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	440	LF 2'-6" CONCRETE CURB & GUTTER
2,600	SY	FOUNDATION CONDITIONING GEOTEXTILE	320	SY 4" CONCRETE SIDEWALK
8	LF	**** RC PIPE CULVERTS, CLASS (12", V)	5	EA CONCRETE CURB RAMPS
88	LF	**** RC PIPE CULVERTS, CLASS (15", V)	2,005	SY 6" CONCRETE DRIVEWAY
1,332	LF	**** RC PIPE CULVERTS, CLASS IV (12")	100	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1,912	LF	15" RC PIPE CULVERTS, CLASS IV	114	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
836	LF	18" RC PIPE CULVERTS, CLASS IV	1	EA GENERIC DRAINAGE ITEM CONVERT EXISTING DROP INLET TO TRAFFIC BEARING JUNCTION BOX
432	LF	24" RC PIPE CULVERTS, CLASS IV	3,525	LF STEEL BEAM GUARDRAIL
8	LF	30" RC PIPE CULVERTS, CLASS IV	125	LF STEEL BEAM GUARDRAIL, SHOP CURVED
12	LF	*** CAA PIPE CULVERTS, ***** THICK (18", 0.105")	2	EA 25' CLEAR SPAN GUARDRAIL SECTIONS
16	LF	*** CAA PIPE CULVERTS, ***** THICK (24", 0.105")	25	EA EXTRA LENGTH GUARDRAIL POST (** STEEL) (8')
72	LF	*** CAA PIPE CULVERTS, ***** THICK (36", 0.105")	5	EA ADDITIONAL GUARDRAIL POSTS
56	LF	*** CAA PIPE CULVERTS, ***** THICK (48", 0.105")	2	EA GUARDRAIL ANCHOR UNITS, TYPE ***** (III, SHOP CURVED)
8	LF	*** CAA PIPE CULVERTS, ***** THICK (60", 0.105")	3	EA GUARDRAIL END UNITS, TYPE AT-1
8	LF	GENERIC PIPE ITEM 12" DUCTILE IRON PIPE	11	EA GUARDRAIL END UNITS, TYPE TL-3
1,224	LF	PIPE REMOVAL	8	EA GUARDRAIL END UNITS, TYPE TL-2
6	EA	PIPE CLEAN OUT	2,878	LF REMOVE EXISTING GUARDRAIL
Lump Sum	LS	FINE GRADING	450	TON RIP RAP, CLASS II
240	TON	#57 STONE	220	TON RIP RAP, CLASS A
5,500	CY	SHALLOW UNDERCUT	301	TON RIP RAP, CLASS B
10,945	TON	CLASS IV SUBGRADE STABILIZATION	1,265	SY GEOTEXTILE FOR DRAINAGE
5,000	TON	CLASS IV AGGREGATE STABILIZATION	20	LF SUPPORTS, 3-LB STEEL U-CHANNEL
1,500	TON	INCIDENTAL STONE BASE	1,370	LF SUPPORTS, WOOD
1,130	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")	2	EA SIGN ERECTION, TYPE D
2,500	SY	INCIDENTAL MILLING	88	EA SIGN ERECTION, TYPE E
17,580	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	1	EA SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
7,900	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	1	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)
			2	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
			5	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)



6	EA	DISPOSAL OF SUPPORT, WOOD	970	CY	SILT EXCAVATION
73	EA	DISPOSAL OF SIGN SYSTEM, WOOD	29,800	SY	MATTING FOR EROSION CONTROL
168	SF	WORK ZONE SIGNS (STATIONARY)	1,680	SY	COIR FIBER MAT
384	SF	WORK ZONE SIGNS (PORTABLE)	100	SY	PERMANENT SOIL REINFORCEMENT MAT
1	EA	FLASHING ARROW BOARD	1,200	LF	1/4" HARDWARE CLOTH
1	EA	PORTABLE CHANGEABLE MESSAGE SIGN	780	SY	FLOATING TURBIDITY CURTAIN
150	EA	DRUMS	3,000	LF	COIR FIBER WATTLE
100	EA	CONES	400	LB	POLYACRYLAMIDE (PAM)
300	LF	BARRICADES (TYPE III)	145	LF	COIR FIBER BAFFLE
1,080	DAY	FLAGGER	9	ACR	SEEDING & MULCHING
301	LF	WATER FILLED BARRIER	6	ACR	MOWING
240	HR	LAW ENFORCEMENT	100	LB	SEED FOR REPAIR SEEDING
285	EA	TEMPORARY RAISED PAVEMENT MARKERS	0.25	TON	FERTILIZER FOR REPAIR SEEDING
101,491	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	200	LB	SEED FOR SUPPLEMENTAL SEEDING
1,680	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	5.75	TON	FERTILIZER TOPDRESSING
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	10	MHR	SPECIALIZED HAND MOWING
88	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	25	EA	RESPONSE FOR EROSION CONTROL
8,000	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	8	EA	CONCRETE WASHOUT STRUCTURE
282,775	LF	PAINT PAVEMENT MARKING LINES (4")	5	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
1,410	LF	PAINT PAVEMENT MARKING LINES (8")	2,790	LF	SIGNAL CABLE
2,286	LF	PAINT PAVEMENT MARKING LINES (24")	6	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
36	EA	PAINT PAVEMENT MARKING CHARACTER	1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
93	EA	PAINT PAVEMENT MARKING SYMBOL	2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
8,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	1,760	LF	UNPAVED TRENCHING (***** (1, 2"))
1,800	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	39	LF	UNPAVED TRENCHING (***** (2, 2"))
362	EA	PERMANENT RAISED PAVEMENT MARKERS	345	LF	DIRECTIONAL DRILL (***** (1, 2"))
Lump Sum	LS	PORTABLE LIGHTING	90	LF	DIRECTIONAL DRILL (***** (2, 2"))
50	LF	2" WATER LINE	26	EA	JUNCTION BOX (STANDARD SIZE)
20	LF	4" WATER LINE	2,170	LF	INDUCTIVE LOOP SAWCUT
470	LF	6" WATER LINE	6,545	LF	LEAD-IN CABLE (***** (14-2))
90	LF	8" WATER LINE	3	EA	METAL POLE WITH SINGLE MAST ARM
16,091	LF	12" WATER LINE	3	EA	SOIL TEST
49,815	LB	DUCTILE IRON WATER PIPE FITTINGS	45	CY	DRILLED PIER FOUNDATION
4	EA	2" VALVE	5	EA	TYPE II PEDESTAL WITH FOUNDATION
1	EA	4" VALVE	1	EA	SIGNAL CABINET FOUNDATION
22	EA	6" VALVE	1	EA	CONTROLLERS WITH CABINET (***** (2070E, BASE MOUNTED))
4	EA	8" VALVE	17	EA	DETECTOR CARD (TYPE 170)
28	EA	12" VALVE	1	EA	CABINET BASE EXTENDER
1	EA	12" TAPPING SLEEVE & VALVE	2	EA	METAL POLE FOUNDATION REMOVAL
10	EA	1" AIR RELEASE VALVE	2	EA	METAL POLE REMOVAL
17	EA	3/4" WATER METER	200	SF	GENERIC RETAINING WALL ITEM TIMBER RETAINING WALL (# 1)
8	EA	RELOCATE WATER METER	600	SF	GENERIC RETAINING WALL ITEM TIMBER RETAINING WALL (# 2)
64	EA	RECONNECT WATER METER			
6	EA	FIRE HYDRANT			
13	EA	RELOCATE FIRE HYDRANT			
1	EA	8" LINE STOP			
100	LF	6" FORCE MAIN SEWER			
900	LF	ABANDON 6" UTILITY PIPE			
12,751	LF	ABANDON 8" UTILITY PIPE			
1,515	LF	ABANDON 12" UTILITY PIPE			
17	EA	REMOVE WATER METER			
2	EA	REMOVE FIRE HYDRANT			
1	EA	GENERIC UTILITY ITEM PRECAST CONCRETE UTILITY VAULT			
100	LF	GENERIC UTILITY ITEM POLYETHYLENE ENCASEMENT			
31	CY	GENERIC UTILITY ITEM REINFORCED CONCRETE ENCASEMENT & SUPPORTS			
40,020	LF	TEMPORARY SILT FENCE			
375	TON	STONE FOR EROSION CONTROL, CLASS A			
730	TON	STONE FOR EROSION CONTROL, CLASS B			
535	TON	SEDIMENT CONTROL STONE			
7.5	ACR	TEMPORARY MULCHING			
500	LB	SEED FOR TEMPORARY SEEDING			
2.5	TON	FERTILIZER FOR TEMPORARY SEEDING			
585	LF	TEMPORARY SLOPE DRAINS			
9,400	LF	SAFETY FENCE			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190618 006

CONTRACT ID : C204151 38365.3.1

DIV OFFICE CASTLE HAYNE

LENGTH = 0.403 MI

COUNTY : BRUNSWICK

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : NOV 11 2020

BRIDGE #47 OVER BEAR PEN ISLAND SWAMP ON NC-211 (GREEN SWAMP RD).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (24+64.00)
9,910	CY	UNDERCUT EXCAVATION
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
Lump Sum	LS	GRADING
12,970	CY	BORROW EXCAVATION
16,000	CY	SELECT GRANULAR MATERIAL, CLASS III
5,000	SY	GEOTEXTILE FOR SOIL STABILIZATION
6,200	SF	TEMPORARY SHORING
30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
90	SY	FOUNDATION CONDITIONING GEOTEXTILE
104	LF	15" DRAINAGE PIPE
56	LF	15" RC PIPE CULVERTS, CLASS III
84	LF	30" RC PIPE CULVERTS, CLASS IV
500	CY	SHALLOW UNDERCUT
950	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	INCIDENTAL STONE BASE
300	SY	INCIDENTAL MILLING
1,090	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,040	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1,050	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
165	TON	ASPHALT BINDER FOR PLANT MIX
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
224	CY	SUBDRAIN EXCAVATION
1,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
168	CY	SUBDRAIN COARSE AGGREGATE
1,000	LF	6" PERFORATED SUBDRAIN PIPE
2	EA	SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH GRATE, STD 840.29
240	LF	SHOULDER BERM GUTTER
600	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL END UNITS, TYPE TL-3
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
420	LF	REMOVE EXISTING GUARDRAIL
2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (W-BEAM)
250	TON	RIP RAP, CLASS B
695	SY	GEOTEXTILE FOR DRAINAGE
136	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
55	EA	DRUMS
55	EA	CONES
16	LF	BARRICADES (TYPE III)
5	DAY	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
878	LF	PORTABLE CONCRETE BARRIER
115	EA	TEMPORARY RAISED PAVEMENT MARKERS
6,300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
8,520	LF	PAINT PAVEMENT MARKING LINES (4")

27	EA	SNOWFLOWABLE PAVEMENT MARKERS
5,255	LF	TEMPORARY SILT FENCE
65	TON	STONE FOR EROSION CONTROL, CLASS A
250	TON	STONE FOR EROSION CONTROL, CLASS B
170	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
1	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
1,200	LF	SAFETY FENCE
250	CY	SILT EXCAVATION
4,410	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
350	LF	1/4" HARDWARE CLOTH
315	SY	FLOATING TURBIDITY CURTAIN
100	LF	COIR FIBER WATTLE
20	LB	POLYACRYLAMIDE (PAM)
85	LF	COIR FIBER BAFFLE
6	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
2	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (25+27.50-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
1	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (25+27.50-L-)
3,238	SF	CONCRETE WEARING SURFACE
3,701	SF	GROOVING BRIDGE FLOORS
40.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+27.50-L-)
6,576	LB	REINFORCING STEEL (BRIDGE)
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
980	LF	HP12X53 STEEL PILES
8	EA	PILE REDRIVES
210	LF	VERTICAL CONCRETE BARRIER RAIL
135	TON	RIP RAP CLASS II (2'-0" THICK)
150	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,155	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190618 007

CONTRACT ID : C204428 38400.3.3

DIV OFFICE DURHAM

LENGTH = 0.180 MI

COUNTY : FRANKLIN

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : DEC 12 2020

BRIDGE #52 OVER SANDY CREEK ON SR-1433.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (15+17 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
400	CY	UNDERCUT EXCAVATION
400	CY	SELECT GRANULAR MATERIAL
700	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
10	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
30	SY	FOUNDATION CONDITIONING GEO- TEXTILE
64	LF	15" DRAINAGE PIPE
4	EA	*** DRAINAGE PIPE ELBOWS (15")
24	LF	18" RC PIPE CULVERTS, CLASS IV
1	EA	PIPE CLEAN OUT
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZA- TION
50	TON	INCIDENTAL STONE BASE
570	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
610	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
520	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
90	TON	ASPHALT BINDER FOR PLANT MIX
12	EA	RIGHT-OF-WAY MARKERS
0.45	CY	PIPE COLLARS
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
30	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
180	TON	RIP RAP, CLASS II
375	TON	RIP RAP, CLASS B
1,475	SY	GEOTEXTILE FOR DRAINAGE
419	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)
3,800	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,010	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
275	TON	STONE FOR EROSION CONTROL, CLASS B
110	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
90	CY	SILT EXCAVATION
5,755	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
165	LF	1/4" HARDWARE CLOTH
230	SY	FLOATING TURBIDITY CURTAIN
280	LF	COIR FIBER WATTLE BARRIER
80	LB	POLYACRYLAMIDE (PAM)

15	LF	COIR FIBER BAFFLE
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
7	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 ***** (15+17.00-L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
12	LF	3'-0" DIA DRILLED PIERS IN SOIL
90	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
1	EA	SID INSPECTIONS
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (15+17.00-L-)
78.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+17.00-L-)
26,508	LB	REINFORCING STEEL (BRIDGE)
2,565	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
665	LF	HP12X53 STEEL PILES
300	LF	VERTICAL CONCRETE BARRIER RAIL
230	TON	RIP RAP CLASS II (2'-0" THICK)
250	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,650	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190618 008

CONTRACT ID : C204466 54034.3.1

DIV OFFICE GREENSBORO

LENGTH = 1.018 MI

COUNTY : GUILFORD

GRADING, PAVING, AND DRAINAGE.

DBE GOAL 8.0% COMPLETION DATE : MAY 29 2020

US-29/US-70/US-220 (O'HENRY BLVD) FROM I-40/I-85 BUS TO SOUTH OF FLORIDA ST IN GREENSBORO.

ROADWAY ITEMS

				Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+69-Y2-)
Lump Sum	LS	MOBILIZATION		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (16+86-YIRP-)
Lump Sum	LS	GRADING		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+61-Y2-)
450	CY	UNDERCUT EXCAVATION		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (49+43-Y2-)
400	CY	SELECT GRANULAR MATERIAL		11	EA	SIGN ERECTION, TYPE E
700	SY	GEOTEXTILE FOR SOIL STABILIZATION		3	EA	SIGN ERECTION, TYPE F
600	SF	TEMPORARY SHORING		13	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
20	SY	FOUNDATION CONDITIONING GEOTEXTILE		3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
24	LF	15" RC PIPE CULVERTS, CLASS IV		7	EA	SIGN ERECTION, OVERLAY (OVERHEAD)
8	LF	18" RC PIPE CULVERTS, CLASS IV		2	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD
8	LF	24" RC PIPE CULVERTS, CLASS IV		6	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
100	CY	SHALLOW UNDERCUT		11	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
200	TON	CLASS IV SUBGRADE STABILIZATION		15	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
23,030	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		1	EA	DISPOSAL OF SIGN, D, E OR F
3,630	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		3	EA	DISPOSAL OF SIGN, OVERLAY (OVERHEAD)
1,260	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		1	EA	DISPOSAL OF LIGHTING SYSTEM
5,620	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D		4	EA	DISPOSAL OF WALKWAY
225	TON	ASPHALT BINDER FOR PLANT MIX		4	EA	GENERIC SIGNING ITEM CUTTING OF SIGN HANGERS, OVERHEAD
390	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX		290.5	SF	WORK ZONE SIGNS (STATIONARY)
1,110	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED		291	SF	WORK ZONE SIGNS (PORTABLE)
16,095	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)		36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
67.2	CY	SUBDRAIN EXCAVATION		2	EA	FLASHING ARROW BOARD
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS		4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
33.6	CY	SUBDRAIN COARSE AGGREGATE		200	EA	DRUMS
200	LF	6" PERFORATED SUBDRAIN PIPE		37	EA	SEQUENTIAL FLASHING WARNING LIGHTS
1	EA	SUBDRAIN PIPE OUTLET		72	LF	BARRICADES (TYPE III)
6	LF	6" OUTLET PIPE		4	EA	TEMPORARY CRASH CUSHIONS
0.553	CY	PIPE COLLARS		4	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
6	EA	MASONRY DRAINAGE STRUCTURES		2	EA	TMA
2.2	LF	MASONRY DRAINAGE STRUCTURES		4,520	LF	PORTABLE CONCRETE BARRIER
2	EA	FRAME WITH TWO GRATES, STD 840.22		3,250	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
1	EA	FRAME WITH COVER, STD 840.54		70	HR	LAW ENFORCEMENT
9	EA	STEEL FRAME WITH TWO GRATES, STD 840.37		335	EA	TEMPORARY RAISED PAVEMENT MARKERS
780	LF	CONCRETE EXPRESSWAY GUTTER		820	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
950	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		26	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
5	EA	ADJUSTMENT OF DROP INLETS		14	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX		32,986	LF	PAINT PAVEMENT MARKING LINES (6")
1,087.5	LF	STEEL BEAM GUARDRAIL		7,380	LF	PAINT PAVEMENT MARKING LINES (12")
5	EA	ADDITIONAL GUARDRAIL POSTS		17,545	LF	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)
2	EA	GUARDRAIL END UNITS, TYPE CAT-1		4,736	LF	POLYUREA PAVEMENT MARKING LINES (12", 30 MILS)
3	EA	GUARDRAIL END UNITS, TYPE TL-3		8,262	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
3	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77		1,815	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
1,310	LF	REMOVE EXISTING GUARDRAIL				
3	TON	RIP RAP, CLASS B				
685	SY	GEOTEXTILE FOR DRAINAGE				
1	CY	REINFORCED CONCRETE SIGN FOUNDATIONS				
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS				
57	CY	OVERHEAD FOOTING				
415	LB	SUPPORTS, BREAKAWAY STEEL BEAM				
444	LB	SUPPORTS, SIMPLE STEEL BEAM				
225	LF	SUPPORTS, 3-LB STEEL U-CHANNEL				

1	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
8	EA	PERMANENT RAISED PAVEMENT MARKERS
445	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
4,275	LF	TEMPORARY SILT FENCE
225	TON	STONE FOR EROSION CONTROL, CLASS A
90	TON	STONE FOR EROSION CONTROL, CLASS B
210	TON	SEDIMENT CONTROL STONE
3.5	ACR	TEMPORARY MULCHING
300	LB	SEED FOR TEMPORARY SEEDING
1.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
80	CY	SILT EXCAVATION
17,500	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
910	LF	1/4" HARDWARE CLOTH
270	LF	WATTLE
95	LB	POLYACRYLAMIDE (PAM)
3	ACR	SEEDING & MULCHING
2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
2.25	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
6	EA	CONCRETE WASHOUT STRUCTURE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190618 009

CONTRACT ID : C204342 46974.3.1

DIV OFFICE SHELBY

LENGTH = 0.000 MI

COUNTY : GASTON

SIGNALS AND ITS.

DBE GOAL % COMPLETION DATE : MAY 01 2020

US-74 (WILKINSON BLVD) FROM NC-7 (CATAWBA ST) TO SR-2209 (WESLEYAN DR).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	1,005	LF	GENERIC SIGNAL ITEM
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			POE CABLE
42	HR	LAW ENFORCEMENT			
4	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
14,270	LF	SIGNAL CABLE			
129	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
12	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
11	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
16	EA	BACKPLATE			
3,745	LF	MESSENGER CABLE (1/4")			
6,915	LF	TRACER WIRE			
135	LF	UNPAVED TRENCHING (***** (1, 1")			
380	LF	UNPAVED TRENCHING (***** (2, 2")			
5,210	LF	DIRECTIONAL DRILL (***** (2, 2")			
1,325	LF	DIRECTIONAL DRILL (***** (3, 2")			
5	EA	JUNCTION BOX (***** (SPECIAL SIZE)			
6	EA	JUNCTION BOX (STANDARD SIZE)			
24	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
15	EA	GUY ASSEMBLY			
6	EA	2" RISER WITH WEATHERHEAD			
8	EA	HEAT SHRINK TUBING RETROFIT KIT			
11	EA	2" RISER WITH HEAT SHRINK TUBING			
1,375	LF	LEAD-IN CABLE (***** (14-2)			
29,840	LF	COMMUNICATIONS CABLE (**FIBER) (48)			
2,775	LF	DROP CABLE			
12	EA	SPLICE ENCLOSURE			
12	EA	INTERCONNECT CENTER			
20	EA	DELINEATOR MARKER			
3	EA	900MHZ SERIAL/ETHERNET SPREAD SPECTRUM RADIO			
1,785	LF	REMOVE EXISTING COMMUNICATIONS CABLE			
6	EA	CABLE TRANSFER			
14	EA	SIGN FOR SIGNALS			
10	EA	SIGNAL CABINET FOUNDATION			
4	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION			
12	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070LX, BASE MOUNTED)			
123	EA	DETECTOR CARD (***** (MODEL 222)			
12	EA	CABINET BASE EXTENDER			
2	EA	GENERIC SIGNAL ITEM 2018 ENHANCED CONFLICT MONITOR			
2	EA	GENERIC SIGNAL ITEM 2070LX CONTROLLER			
16	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE			
6	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY			
4	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE			
20	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH			
9	EA	GENERIC SIGNAL ITEM JUNCTION BOX MARKER			
Lump Sum	LS	GENERIC SIGNAL ITEM SYSTEM INTEGRATION			

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190618 010

CONTRACT ID : C204341 44390.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.530 MI

COUNTY : MCDOWELL

GRADING, DRAINAGE, PAVING, SIGNALS, RETAINING WALLS, &amp; STRS.

DBE GOAL 4.0% COMPLETION DATE : MAR 14 2022

SR-1001 FROM I-40 WB RAMPS TO 0.3 MILES WEST OF I-40 EB RAMPS.

ROADWAY ITEMS					
			33.6	CY	SUBDRAIN COARSE AGGREGATE
			7,200	LF	6" PERFORATED SUBDRAIN PIPE
			15	EA	SUBDRAIN PIPE OUTLET
			90	LF	6" OUTLET PIPE
			0.45	CY	PIPE COLLARS
			10	CY	FLOWABLE FILL
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
1,600	CY	UNDERCUT EXCAVATION			
520	CY	DRAINAGE DITCH EXCAVATION			
1,239	CY	SELECT GRANULAR MATERIAL			
1,176	SY	GEOTEXTILE FOR SOIL STABILIZATION			
4,480	SF	TEMPORARY SHORING			
650	SY	ROCK PLATING			
380	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
1,200	SY	FOUNDATION CONDITIONING GEOTEXTILE			
1,364	LF	15" DRAINAGE PIPE			
148	LF	18" DRAINAGE PIPE			
12	LF	24" DRAINAGE PIPE			
16	EA	*** DRAINAGE PIPE ELBOWS (15")			
2	EA	*** DRAINAGE PIPE ELBOWS (18")			
54	LF	24" SIDE DRAIN PIPE			
68	LF	15" RC PIPE CULVERTS, CLASS III			
24	LF	18" RC PIPE CULVERTS, CLASS III			
1,532	LF	15" RC PIPE CULVERTS, CLASS IV			
212	LF	18" RC PIPE CULVERTS, CLASS IV			
4	LF	*** CS PIPE CULVERTS, ***** THICK (66", 0.138")			
72	LF	15" CS PIPE CULVERTS, 0.064" THICK			
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")			
44	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (18", 0.25")			
44	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.25")			
273	LF	PIPE REMOVAL			
120	CY	SHALLOW UNDERCUT			
247	TON	CLASS IV SUBGRADE STABILIZATION			
10,335	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION			
4,250	TON	AGGREGATE BASE COURSE			
50	TON	INCIDENTAL STONE BASE			
233.45	GAL	PRIME COAT			
5,400	SY	INCIDENTAL MILLING			
10,230	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
3,410	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
4,570	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
1,520	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
1,025	TON	ASPHALT BINDER FOR PLANT MIX			
50	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX			
200	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
910	TON	ULTRA-THIN BONDED WEARING COURSE			
13,300	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)			
1,612.8	CY	SUBDRAIN EXCAVATION			
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS			
1,176	CY	SUBDRAIN FINE AGGREGATE			
			5,860	LF	2'-6" CONCRETE CURB & GUTTER
			706	LF	SHOULDER BERM GUTTER
			88	LF	CONCRETE EXPRESSWAY GUTTER
			1,300	SY	4" CONCRETE SIDEWALK
			10	EA	CONCRETE CURB RAMPS
			30	SY	6" CONCRETE DRIVEWAY
			70	SY	4" CONCRETE PAVED DITCH
			560	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			500	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
			180	LF	GENERIC PAVING ITEM
			1	EA	ADJUSTMENT OF MANHOLES
			10,675	LF	STEEL BEAM GUARDRAIL
			562.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
			15	EA	ADDITIONAL GUARDRAIL POSTS
			1	EA	GUARDRAIL END UNITS, TYPE AT-1
			8	EA	GUARDRAIL END UNITS, TYPE CAT-1
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			10	EA	GUARDRAIL END UNITS, TYPE TL-3
			7	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			9,148.2	LF	REMOVE EXISTING GUARDRAIL
			837.5	LF	TEMPORARY STEEL BEAM GUARDRAIL
			662.5	LF	TEMPORARY STEEL BEAM GUARDRAIL DOUBLE FACED
			4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
			2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
			2	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
			4	EA	GENERIC GUARDRAIL ITEM
					TEMPORARY GUARDRAIL END UNITS, TYPE CAT-1
			1,090	LF	WOVEN WIRE FENCE, 47" FABRIC
			56	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			41	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			820	TON	RIP RAP, CLASS I
			230	TON	RIP RAP, CLASS B
			2,440	SY	GEOTEXTILE FOR DRAINAGE
			853.25	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (A)
			164	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (B)

			600	LF	PAINT PAVEMENT MARKING LINES (8")
			341	LF	PAINT PAVEMENT MARKING LINES (24")
35.5	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (D)	16	EA	PAINT PAVEMENT MARKING CHARACTER
471.65	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	154	EA	PAINT PAVEMENT MARKING SYMBOL
89.31	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)	8,450	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
6	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (MILEMARKER)	19,600	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
6	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	600	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS	2,000	LF	POLYUREA PAVEMENT MARKING LINES (12", 20 MILS)
3,858	LB	SUPPORTS, BREAKAWAY STEEL BEAM	36,054	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"
3,364	LB	SUPPORTS, SIMPLE STEEL BEAM	2,800	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 12"
1,550	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	44,500	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
4	EA	SIGN ERECTION, TYPE D	41,000	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
51	EA	SIGN ERECTION, TYPE E	1,500	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
8	EA	SIGN ERECTION, TYPE F	2,100	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
9	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	200	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	60	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (MILEMARKERS)	340	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)	5	EA	PERMANENT RAISED PAVEMENT MARKERS
1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)	520	EA	SNOWFLOWABLE PAVEMENT MARKERS
3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	23	LF	6" WATER LINE
1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)	441	LF	12" WATER LINE
8	EA	DISPOSAL OF SUPPORT, STEEL BEAM	159	LF	16" WATER LINE
5	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1,865	LB	DUCTILE IRON WATER PIPE FITTINGS
60	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1	EA	12" VALVE
5	EA	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA	FIRE HYDRANT
2	EA	DISPOSAL OF SIGN, D, E OR F	1	EA	RELOCATE FIRE HYDRANT
884	SF	WORK ZONE SIGNS (STATIONARY)	131	LF	8" FORCE MAIN SEWER
1,805	SF	WORK ZONE SIGNS (PORTABLE)	165	LF	10" FORCE MAIN SEWER
234	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	220	LB	DUCTILE IRON SEWER PIPE FITTINGS
7	EA	FLASHING ARROW BOARD	361	LF	ABANDON 8" UTILITY PIPE
5	EA	PORTABLE CHANGEABLE MESSAGE SIGN	661	LF	ABANDON 12" UTILITY PIPE
42	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	165	LF	DIRECTIONAL DRILLING OF *** (10")
300	EA	DRUMS	159	LF	DIRECTIONAL DRILLING OF *** (16")
12	EA	SEQUENTIAL FLASHING WARNING LIGHTS	9,735	LF	TEMPORARY SILT FENCE
208	LF	BARRICADES (TYPE III)	420	TON	STONE FOR EROSION CONTROL, CLASS A
1,440	DAY	FLAGGER	845	TON	STONE FOR EROSION CONTROL, CLASS B
7	EA	TEMPORARY CRASH CUSHIONS	1,125	TON	SEDIMENT CONTROL STONE
13	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	6.5	ACR	TEMPORARY MULCHING
4	EA	TMA	500	LB	SEED FOR TEMPORARY SEEDING
1,170	LF	PORTABLE CONCRETE BARRIER	3.5	TON	FERTILIZER FOR TEMPORARY SEEDING
5,450	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	1,100	LF	TEMPORARY SLOPE DRAINS
4,230	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)	600	LF	SAFETY FENCE
120	HR	LAW ENFORCEMENT	1,900	CY	SILT EXCAVATION
560	EA	TEMPORARY RAISED PAVEMENT MARKERS	43,500	SY	MATTING FOR EROSION CONTROL
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	100	SY	COIR FIBER MAT
350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	460	SY	PERMANENT SOIL REINFORCEMENT MAT
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	3,135	LF	1/4" HARDWARE CLOTH
43	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	125	LF	*** TEMPORARY PIPE (15")
3,600	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	125	LF	*** TEMPORARY PIPE (24")
57,441	LF	PAINT PAVEMENT MARKING LINES (4")	3	EA	SPECIAL STILLING BASINS
			300	LF	COIR FIBER WATTLE
			290	LB	POLYACRYLAMIDE (PAM)
			625	LF	COIR FIBER BAFFLE
			6	EA	*** SKIMMER (1-1/2")
			6	ACR	SEEDING & MULCHING
			6	ACR	MOWING
			100	LB	SEED FOR REPAIR SEEDING
			0.25	TON	FERTILIZER FOR REPAIR SEEDING
			150	LB	SEED FOR SUPPLEMENTAL SEEDING
			4.25	TON	FERTILIZER TOPDRESSING
			99	LF	IMPERVIOUS DIKE
			10	MHR	SPECIALIZED HAND MOWING
			25	EA	RESPONSE FOR EROSION CONTROL



			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (16+31.90-RPC-)
			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (25+49.32-L-)
6	EA	CONCRETE WASHOUT STRUCTURE			
3	ACR	REFORESTATION	109	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
2	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	250.5	CY	CLASS A CONCRETE (CULVERT)
4,690	LF	SIGNAL CABLE	29,389	LB	REINFORCING STEEL (CULVERT)
23	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
3	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
6	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
830	LF	MESSENGER CABLE (3/8")	5,440	SF	MSE RETAINING WALL NO **** (1)
350	LF	TRACER WIRE			
10	LF	PAVED TRENCHING (*****) (1, 2")	4,195	SF	MSE RETAINING WALL NO **** (2)
820	LF	UNPAVED TRENCHING (*****) (1, 2")			
180	LF	UNPAVED TRENCHING (*****) (2, 2")			
110	LF	UNPAVED TRENCHING (*****) (3, 2")			
230	LF	UNPAVED TRENCHING (*****) (4, 2")			
120	LF	DIRECTIONAL DRILL (*****) (1, 2")			
260	LF	DIRECTIONAL DRILL (*****) (2, 2")			
110	LF	DIRECTIONAL DRILL (*****) (4, 2")			
19	EA	JUNCTION BOX (STANDARD SIZE)	11,739	SF	REINFORCED CONCRETE DECK SLAB
3	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	11,177	SF	GROOVING BRIDGE FLOORS
8	EA	WOOD POLE	264.2	CY	CLASS A CONCRETE (BRIDGE)
13	EA	GUY ASSEMBLY			
2	EA	1" RISER WITH WEATHERHEAD			
2	EA	2" RISER WITH WEATHERHEAD	47,925	LB	REINFORCING STEEL (BRIDGE)
2	EA	2" RISER WITH HEAT SHRINK TUBING	6,494	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,160	LF	INDUCTIVE LOOP SAWCUT			
2,210	LF	LEAD-IN CABLE (*****) (14-2)	1,499.46	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
2	EA	SITE SURVEY	30	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)
6	EA	LUMINAIRE ARM FOR VIDEO SYSTEM			
6	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	1,320	LF	HP12X53 STEEL PILES
2	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT	420.22	LF	TWO BAR METAL RAIL
12	EA	RELOCATE CAMERA SENSOR UNIT	437.9	LF	1'-8"X ***** CONCRETE PARAPET (1'-2" X 3'-3")
450	LF	DROP CABLE	75	SY	4" SLOPE PROTECTION
2	EA	MODIFY SPLICE ENCLOSURE			
2	EA	INTERCONNECT CENTER			
2	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT			
3	EA	DELINEATOR MARKER			
260	LF	REMOVE EXISTING COMMUNICATIONS CABLE			
4	EA	METAL POLE WITH SINGLE MAST ARM			
4	EA	SOIL TEST			
24	CY	DRILLED PIER FOUNDATION			
4	EA	MAST ARM WITH METAL POLE DESIGN			
6	EA	SIGN FOR SIGNALS			
2	EA	TYPE II PEDESTAL WITH FOUNDATION			
2	EA	SIGNAL CABINET FOUNDATION			
2	EA	CONTROLLERS WITH CABINET (*****) (TYPE 2070E, BASE MOUNTED)			
9	EA	DETECTOR CARD (TYPE 170)			
2	EA	CABINET BASE EXTENDER			
1	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM MULTIPLE ZONES			
4	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SIGNAL MAST ARM POLE (BLACK)			
2	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SIGNAL PEDESTAL (BLACK)			
740	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE			

**WALL ITEMS**

**STRUCTURE ITEMS**

**CULVERT ITEMS**

Lump Sum LS CULVERT EXCAVATION, STA \*\*\*\*\*  
(11+57.95-L-)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190716 002

CONTRACT ID : C204210 34472.3.2

DIV OFFICE WILSON

LENGTH = 8.197 MI

COUNTY : NORTHAMPTON

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : MAR 13 2024

US-158/NC-46 FROM I-95/NC-46 IN ROANOKE RAPIDS TO SR-1312 (ST JOHN CHURCH ST).

ROADWAY ITEMS					
			532	LF	15" RC PIPE CULVERTS, CLASS IV
			352	LF	18" RC PIPE CULVERTS, CLASS IV
			380	LF	24" RC PIPE CULVERTS, CLASS IV
			648	LF	42" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING	1,048	LF	15" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
4	ACR	SUPPLEMENTARY CLEARING & GRUBBING	640	LF	18" CS PIPE CULVERTS, 0.064" THICK
250,000	CY	UNCLASSIFIED EXCAVATION	80	LF	24" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (192+85.76 -L- LT)	26	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (192+85.76 -L- RT)	10	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (198+42.23 -L- LT)	2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (198+42.23 -L- RT)	206	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (18", 0.500")
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (170+20.99 -L- LT)	104	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (170+20.99 -L- RT)	206	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.500")
94,000	CY	UNDERCUT EXCAVATION	104	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
135,000	LF	WICK DRAINS			
3,125,000	CY	BORROW EXCAVATION	5,939	LF	PIPE REMOVAL
16	EA	EMBANKMENT SETTLEMENT GAUGES			
18,460	CY	DRAINAGE DITCH EXCAVATION	Lump Sum	LS	FINE GRADING
41,810	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	500	TON	#57 STONE
41,740	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	1,500	CY	SHALLOW UNDERCUT
90	HR	PROOF ROLLING	2,900	TON	CLASS IV SUBGRADE STABILIZATION
10,700	CY	SELECT GRANULAR MATERIAL, CLASS III	500	TON	CLASS IV AGGREGATE STABILIZATION
107,500	CY	SELECT GRANULAR MATERIAL	165,000	TON	AGGREGATE BASE COURSE
115,100	SY	GEOTEXTILE FOR SOIL STABILIZATION	75	TON	INCIDENTAL STONE BASE
3,235	SF	TEMPORARY SHORING	3,560.55	GAL	PRIME COAT
1,050	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	4,100	SY	INCIDENTAL MILLING
1,000	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	67,530	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
2,830	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	53,490	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
8,890	SY	FOUNDATION CONDITIONING GEOTEXTILE	4,580	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
6,196	LF	15" SIDE DRAIN PIPE	61,920	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,072	LF	18" SIDE DRAIN PIPE	660	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
196	LF	24" SIDE DRAIN PIPE	9,630	TON	ASPHALT BINDER FOR PLANT MIX
4	EA	*** SIDE DRAIN PIPE ELBOWS (15")	40	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
368	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (24")	615	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
300	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (30")	1,160	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (10")
4,560	LF	15" RC PIPE CULVERTS, CLASS III	71	EA	CONTROL-OF-ACCESS MARKERS
4,192	LF	18" RC PIPE CULVERTS, CLASS III	806.4	CY	SUBDRAIN EXCAVATION
1,936	LF	24" RC PIPE CULVERTS, CLASS III	2,400	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
692	LF	30" RC PIPE CULVERTS, CLASS III	403.2	CY	SUBDRAIN COARSE AGGREGATE
1,476	LF	36" RC PIPE CULVERTS, CLASS III	2,400	LF	6" PERFORATED SUBDRAIN PIPE
676	LF	42" RC PIPE CULVERTS, CLASS III	5	EA	SUBDRAIN PIPE OUTLET
672	LF	48" RC PIPE CULVERTS, CLASS III	30	LF	6" OUTLET PIPE
456	LF	***** RC PIPE CULVERTS, CLASS IV (72")	63.4	CY	ENDWALLS
			7.1	CY	REINFORCED ENDWALLS
			0.447	CY	PIPE COLLARS
			35	CY	FLOWABLE FILL
			141	EA	MASONRY DRAINAGE STRUCTURES
			51.6	LF	MASONRY DRAINAGE STRUCTURES
			18	EA	FRAME WITH TWO GRATES, STD 840.16
			8	EA	FRAME WITH TWO GRATES, STD 840.20

			3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
32	EA	FRAME WITH TWO GRATES, STD 840.22	1	EA	DISPOSAL OF SUPPORT, STEEL BEAM
57	EA	FRAME WITH TWO GRATES, STD 840.24	4	EA	DISPOSAL OF SUPPORT, WOOD
3	EA	FRAME WITH TWO GRATES, STD 840.29	13	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	56	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	86	EA	DISPOSAL OF SIGN SYSTEM, WOOD
19	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	1,300	SF	WORK ZONE SIGNS (STATIONARY)
18	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	660	SF	WORK ZONE SIGNS (PORTABLE)
990	LF	***X *** CONCRETE CURB (8" X 12")	190	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1,260	LF	***X *** CONCRETE CURB (9" X 12")	4	EA	FLASHING ARROW BOARD
2,090	LF	2'-6" CONCRETE CURB & GUTTER	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
8,401	LF	SHOULDER BERM GUTTER	425	EA	DRUMS
2	EA	MODIFIED CONCRETE FLUME	150	EA	CONES
250	SY	6" CONCRETE DRIVEWAY	300	LF	BARRICADES (TYPE III)
6,360	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	1,440	DAY	FLAGGER
12	EA	ADJUSTMENT OF MANHOLES	3	EA	TMA
77	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	900	LF	PORTABLE CONCRETE BARRIER
14,400	LF	STEEL BEAM GUARDRAIL	1,800	LF	REMOVE & RESET PORTABLE CONC- RETE BARRIER
50	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	150	EA	SKINNY DRUM
20	EA	EXTRA LENGTH GUARDRAIL POST (* STEEL) (8')	2,000	EA	TEMPORARY RAISED PAVEMENT MARKERS
15	EA	ADDITIONAL GUARDRAIL POSTS	259,263	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
10	EA	GUARDRAIL END UNITS, TYPE CAT-1	20,043	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
27	EA	GUARDRAIL END UNITS, TYPE TL-3	160	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
25	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	2,396	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (I)
4,300	LF	REMOVE EXISTING GUARDRAIL	479,210	LF	PAINT PAVEMENT MARKING LINES (4")
76,390	LF	WOVEN WIRE FENCE, 47" FABRIC	19,735	LF	PAINT PAVEMENT MARKING LINES (8")
4,843	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	56	LF	PAINT PAVEMENT MARKING LINES (24")
1,128	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	177	EA	PAINT PAVEMENT MARKING SYMBOL
17	EA	SINGLE GATES, *** HIGH, *** WIDE, ** OPENING (47", 14', 14')	6,825	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
3,315	LF	GENERIC FENCING ITEM POST & BOARD FENCE	28	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
900	LF	RELAPPING GUARDRAIL	2,238	EA	SNOWPLOWABLE PAVEMENT MARKERS
570	TON	RIP RAP, CLASS I	8	EA	7' U-CHANNEL POSTS
1,450	TON	RIP RAP, CLASS II	8	EA	OBJECT MARKERS (END OF ROAD)
470	TON	RIP RAP, CLASS A	11	EA	OBJECT MARKERS (TYPE **) (I)
2,370	TON	RIP RAP, CLASS B	1	EA	100' HIGH MOUNT STANDARD
22,545	SY	GEOTEXTILE FOR DRAINAGE	3	EA	120' HIGH MOUNT STANDARD
36	CY	REINFORCED CONCRETE SIGN FOUN- DATIONS	1	EA	PORTABLE DRIVE UNIT
1	CY	PLAIN CONCRETE SIGN FOUNDA- TIONS	40	CY	HIGH MOUNT FOUNDATIONS
41	CY	OVERHEAD FOOTING	5	EA	LIGHT STANDARDS, TYPE MTLT ***** (45' TA, 15' ARM)
20,262	LB	SUPPORTS, BREAKAWAY STEEL BEAM	3	EA	STANDARD FOUNDATION ***** (R1)
14,824	LB	SUPPORTS, SIMPLE STEEL BEAM	2	EA	STANDARD FOUNDATION ***** (R2)
7,640	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	1	EA	ELECTRIC SERVICE POLE **** ***** (30' CLASS 4)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (I-95 NB EXIT 173)	25	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (I-95 SB EXIT 176)	160	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
18	EA	SIGN ERECTION, TYPE D	200	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
238	EA	SIGN ERECTION, TYPE E	110	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")
102	EA	SIGN ERECTION, TYPE F	240	LF	** #8 W/G FEEDER CIRCUIT (2)
4	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (A)	240	LF	** #4 W/G FEEDER CIRCUIT (2)
2	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (B)	1,640	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)
19	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	3,160	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)
10	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	1	EA	ELECTRICAL JUNCTION BOXES ***** (CS36)
2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)			

			Lump Sum	LS	GENERIC UTILITY ITEM ABANDON SANITARY SEWER PUMP STATION	
4	EA	ELECTRICAL JUNCTION BOXES ***** (HM18)	Lump Sum	LS	GENERIC UTILITY ITEM RELOCATE 12" PRESSURE REDUCING VALVE	
6	EA	ELECTRICAL JUNCTION BOXES ***** (IG18)	Lump Sum	LS	GENERIC UTILITY ITEM SANITARY SEWER PUMP STATION (SANFILIPPO)	
3	EA	ELECTRICAL JUNCTION BOXES ***** (IG36)	Lump Sum	LS	GENERIC UTILITY ITEM SANITARY SEWER PUMP STATION (PS-1)	
5	EA	ELECTRICAL JUNCTION BOXES ***** (LS18)	261,775	LF	TEMPORARY SILT FENCE	
6	EA	GENERIC LIGHTING ITEM 100' HIGH MOUNT LUMINAIRE - LED	6,025	TON	STONE FOR EROSION CONTROL, CLASS A	
24	EA	GENERIC LIGHTING ITEM 120' HIGH MOUNT LUMINAIRE - LED	60,020	TON	STONE FOR EROSION CONTROL, CLASS B	
1	EA	GENERIC LIGHTING ITEM COMMUNICATION GATEWAY	33,555	TON	SEDIMENT CONTROL STONE	
40	EA	GENERIC LIGHTING ITEM CONTROL NODE	560	ACR	TEMPORARY MULCHING	
1	EA	GENERIC LIGHTING ITEM LIGHTING CONTROL SYSTEM	21,400	LB	SEED FOR TEMPORARY SEEDING	
10	EA	GENERIC LIGHTING ITEM ROADWAY LIGHT STANDARD LUMI- NAIRE - 285W LED	108.5	TON	FERTILIZER FOR TEMPORARY SEED- ING	
13	LF	2" WATER LINE	50,745	LF	TEMPORARY SLOPE DRAINS	
3,126	LF	6" WATER LINE	7,910	LF	SAFETY FENCE	
4,353	LF	8" WATER LINE	123,960	CY	SILT EXCAVATION	
13,739	LF	12" WATER LINE	79,000	SY	MATting FOR EROSION CONTROL	
22,690	LB	DUCTILE IRON WATER PIPE FITTINGS	705	SY	COIR FIBER MAT	
2	EA	2" VALVE	4,000	SY	PERMANENT SOIL REINFORCEMENT MAT	
24	EA	6" VALVE	4,690	LF	1/4" HARDWARE CLOTH	
4	EA	8" VALVE	1,480	SY	LOW PERMEABILITY GEOTEXTILE	
22	EA	12" VALVE	408	LF	*** TEMPORARY PIPE (15")	
20	EA	3/4" WATER METER	350	LF	*** TEMPORARY PIPE (36")	
1	EA	2" WATER METER	75	LF	TEMPORARY PIPE FOR STREAM CROSSING	
25	EA	RELOCATE WATER METER	550	SY	FLOATING TURBIDITY CURTAIN	
1	EA	2" DCV BACKFLOW PREVENTION ASSEMBLY	211	CY	STILLING BASINS	
14	EA	FIRE HYDRANT	17	EA	SPECIAL STILLING BASINS	
3	EA	RELOCATE FIRE HYDRANT	47,600	LF	COIR FIBER WATTLE	
185	LF	FIRE HYDRANT LEG	4,709	LF	COIR FIBER WATTLE BARRIER	
679	LF	WATER SERVICE LINE	25,360	LB	POLYACRYLAMIDE (PAM)	
761	LF	8" SANITARY GRAVITY SEWER	49,540	LF	COIR FIBER BAFFLE	
1,680	LF	10" SANITARY GRAVITY SEWER	12	EA	*** SKIMMER (1-1/2")	
130	LF	12" SANITARY GRAVITY SEWER	13	EA	*** SKIMMER (2")	
73	LF	*** FORCE MAIN SEWER (3")	17	EA	*** SKIMMER (2-1/2")	
1,537	LF	6" FORCE MAIN SEWER	5	EA	*** SKIMMER (3")	
758	LF	10" FORCE MAIN SEWER	560	ACR	SEEDING & MULCHING	
2	EA	SANITARY SEWER CLEAN-OUT	280	ACR	MOWING	
54	LF	SEWER SERVICE LINE	5,650	LB	SEED FOR REPAIR SEEDING	
2,365	LB	DUCTILE IRON SEWER PIPE FITTINGS	25	TON	FERTILIZER FOR REPAIR SEEDING	
14	EA	4' DIA UTILITY MANHOLE	12,475	LB	SEED FOR SUPPLEMENTAL SEEDING	
1	EA	5' DIA UTILITY MANHOLE	374	TON	FERTILIZER TOPDRESSING	
93	LF	UTILITY MANHOLE WALL 4' DIA	933.2	LF	IMPERVIOUS DIKE	
13	LF	UTILITY MANHOLE WALL 5' DIA	75	MHR	SPECIALIZED HAND MOWING	
275	LF	ABANDON *** UTILITY PIPE (3")	150	EA	RESPONSE FOR EROSION CONTROL	
471	LF	ABANDON *** UTILITY PIPE (4")	15	EA	CONCRETE WASHOUT STRUCTURE	
4,423	LF	ABANDON 6" UTILITY PIPE	419	CY	CULVERT DIVERSION CHANNEL	
5,152	LF	ABANDON 8" UTILITY PIPE				
2,566	LF	ABANDON 10" UTILITY PIPE				
12,214	LF	ABANDON 12" UTILITY PIPE				
11	EA	REMOVE FIRE HYDRANT				
5	EA	ABANDON UTILITY MANHOLE				
1	EA	REMOVE UTILITY MANHOLE				
583	LF	12" ENCASEMENT PIPE				
238	LF	16" ENCASEMENT PIPE				
272	LF	20" ENCASEMENT PIPE				
794	LF	24" ENCASEMENT PIPE				
271	LF	DIRECTIONAL DRILLING OF *** (12")				
130	LF	DIRECTIONAL DRILLING OF *** (6")				
615	LF	DIRECTIONAL DRILLING OF *** (8")				
1	EA	GENERIC UTILITY ITEM REMOVE UTILITY VAULT				
Lump Sum	LS	GENERIC UTILITY ITEM 6" WATER METER, VAULT, AND CONTROLS	2,670	SF	MSE RETAINING WALL NO **** (1)	
			6,450	SF	MSE RETAINING WALL NO **** (2)	

**CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (286+51.00 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (286+51.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (85+72.00 -L-)
565	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
860	CY	CLASS A CONCRETE (CULVERT)
117,892	LB	REINFORCING STEEL (CULVERT)

**WALL ITEMS**

7,750 SF MSE RETAINING WALL NO \*\*\*\*\*  
(3)

### STRUCTURE ITEMS

8	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (170+20.99 -L- LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (170+20.99 -L- RT)
46,224	SF	REINFORCED CONCRETE DECK SLAB
51,398	SF	GROOVING BRIDGE FLOORS
687	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (170+20.99 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (170+20.99 -L- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (192+85.76 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (192+85.76 -L- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (198+42.23 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (198+42.23 -L- RT)
98,213	LB	REINFORCING STEEL (BRIDGE)
2,570.84	LF	54" PRESTRESSED CONCRETE GIRDERS
1,040	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
962.76	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
54	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
54	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12 X 53)
28	EA	PILE DRIVING EQUIPMENT SETUP FOR *** GALVANIZED STEEL PILES (PP 30 X 0.50)
9,345	LF	HP12X53 STEEL PILES
3,346	LF	PP ** X ***** GALVANIZED STEEL PILES (PP 30 X 0.50)
28	EA	PIPE PILE PLATES
92	EA	PILE REDRIVES
2,027.24	LF	CONCRETE BARRIER RAIL
1,488	LF	*** CHAIN LINK FENCE (72")
4,258	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190716 003

CONTRACT ID : C204266 36030.3.GV4

DIV OFFICE ASHEVILLE

LENGTH = 7.490 MI

COUNTY : BUNCOMBE, HENDERSON

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE : APR 29 2024

I-26 FROM NC-280 (EXIT 40) TO I-40.

ROADWAY ITEMS					
			24	LF	***** RC PIPE CULVERTS, CLASS IV (60")
			284	LF	***** RC PIPE CULVERTS, CLASS IV (66")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM UTILITY COORDINATOR	20,350	LF	15" RC PIPE CULVERTS, CLASS IV
3,840	HR	GENERIC MISCELLANEOUS ITEM EQUIPMENT OPERATING RATE FOR SNOW AND ICE REMOVAL	8,008	LF	18" RC PIPE CULVERTS, CLASS IV
			5,684	LF	24" RC PIPE CULVERTS, CLASS IV
4	EA	GENERIC MISCELLANEOUS ITEM OUTFITTING FEE	3,064	LF	30" RC PIPE CULVERTS, CLASS IV
			1,320	LF	36" RC PIPE CULVERTS, CLASS IV
80	EA	GENERIC MISCELLANEOUS ITEM RESPONSE FOR SNOW AND ICE REMOVAL	808	LF	42" RC PIPE CULVERTS, CLASS IV
			32	LF	*** CS PIPE CULVERTS, ***** THICK (66", 0.109")
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	3,064	LF	15" CS PIPE CULVERTS, 0.064" THICK
4	ACR	SUPPLEMENTARY CLEARING & GRUBBING	1,138	LF	18" CS PIPE CULVERTS, 0.064" THICK
717,100	CY	UNCLASSIFIED EXCAVATION	684	LF	24" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (1050+63.05 -L-)	212	LF	30" CS PIPE CULVERTS, 0.079" THICK
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (1163+08.56 -L-)	86	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (912+89.86 -EBL-)	27	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (913+34.69 -WBL-)	21	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")
10,100	CY	UNDERCUT EXCAVATION	9	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
91,400	CY	BORROW EXCAVATION	2	EA	*** CS PIPE ELBOWS, ***** THICK (66", 0.109")
18,000	CY	DRAINAGE DITCH EXCAVATION	332	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")
11,000	LF	BERM DITCH CONSTRUCTION	100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.625")
360,000	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	152	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.875")
190,000	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	162	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
7,300	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	333	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")
7,600	SY	BREAKING OF EXISTING CONCRETE PAVEMENT	100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.625")
8,000	CY	SELECT GRANULAR MATERIAL	152	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.875")
728,300	SY	GEOTEXTILE FOR SOIL STABILIZATION	1,456	LF	GENERIC PIPE ITEM 15" CS SLOTTED DRAIN 0.064" THICK
24,450	SF	TEMPORARY SHORING	15,319	LF	PIPE REMOVAL
1,900	SY	REINFORCED SOIL SLOPES	29	EA	PIPE CLEAN OUT
9,000	SY	GENERIC GRADING ITEM GEOTEXTILE, TYPE 4	130	SY	4" SLOPE PROTECTION
4,250	SY	GENERIC GRADING ITEM GEOTEXTILE, TYPE 5	Lump Sum	LS	FINE GRADING
270	SY	GENERIC GRADING ITEM OBLITERATION OF EXISTING MOUNTAIN TO SEA TRAIL	179,400	CY	SHALLOW UNDERCUT
5,000	TON	GENERIC GRADING ITEM SELECT MATERIAL, CLASS IV	460,000	TON	CLASS IV SUBGRADE STABILIZATION
104,000	TON	GENERIC GRADING ITEM SELECT MATERIAL, CLASS VII	1,000	TON	STABILIZER AGGREGATE
1,350	TON	GENERIC GRADING ITEM TOPSOIL	63,807	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
4	EA	GENERIC GRADING ITEM STONE HEADWALL REMOVAL	8,400	TON	AGGREGATE BASE COURSE
30	SMI	GENERIC GRADING ITEM VACUUM SWEEPING	5,000	TON	INCIDENTAL STONE BASE
4,880	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	3,900	GAL	PRIME COAT
15,330	SY	FOUNDATION CONDITIONING GEOTEXTILE	9,200	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
110	LF	18" DRAINAGE PIPE			
320	LF	18" RC PIPE CULVERTS, CLASS III			
405	LF	24" RC PIPE CULVERTS, CLASS III			
1,132	LF	***** RC PIPE CULVERTS, CLASS IV (48")			
158	LF	***** RC PIPE CULVERTS, CLASS IV (54")			

				574	LF	GENERIC DRAINAGE ITEM 42" OD PIPE REHABILITATION SOLID WALL THERMOPLASTIC SLIP LINER
25,447	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")		168	LF	GENERIC DRAINAGE ITEM 48" OD PIPE REHABILITATION SOLID WALL THERMOPLASTIC SLIP LINER
70,000	SY	INCIDENTAL MILLING		570	LF	GENERIC DRAINAGE ITEM 54" OD PIPE REHABILITATION SOLID WALL THERMOPLASTIC SLIP LINER
150,477	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		190	LF	GENERIC DRAINAGE ITEM 63" OD PIPE REHABILITATION SOLID WALL THERMOPLASTIC SLIP LINER
85,576	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		4,502	LF	GENERIC DRAINAGE ITEM PRE-INSTALLATION INSPECTION
33,032	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		841	LF	GENERIC DRAINAGE ITEM SEALANT
40,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		30,000	SF	GENERIC DRAINAGE ITEM TEMPORARY SHORING FOR DRAINAGE PIPE CONSTRUCTION
27,846	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D		35	LF	***X*** CONCRETE CURB (6" X 18")
15,500	TON	ASPHALT BINDER FOR PLANT MIX		70	LF	1'-6" CONCRETE CURB & GUTTER
1,600	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX		1,900	LF	2'-6" CONCRETE CURB & GUTTER
1,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		58,000	LF	SHOULDER BERM GUTTER
160,000	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)		210	LF	CONCRETE EXPRESSWAY GUTTER
449,300	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (13-1/2")		750	SY	4" CONCRETE SIDEWALK
425	TON	GENERIC PAVING ITEM AGGREGATE TOPSOIL		14	EA	CONCRETE CURB RAMPS
449,300	SY	GENERIC PAVING ITEM DIAMOND GRINDING PORT CEM CONC PAVEMENT		6,350	SY	4" CONCRETE PAVED DITCH
250	SY	GENERIC PAVING ITEM STAMPED CONCRETE		400	SY	4" CONCRETE ISLAND COVER
460,000	SY	NONWOVEN GEOTEXTILE INTERLAYER		280	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
3	EA	RIGHT-OF-WAY MARKERS		12,000	LF	CONCRETE BARRIER, TYPE ***** (I SINGLE SLOPE)
1,008	CY	SUBDRAIN EXCAVATION		320	LF	CONCRETE BARRIER, TYPE ***** (T1)
4,500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS		5	EA	CONCRETE BARRIER TRANSITION SECTION
756	CY	SUBDRAIN COARSE AGGREGATE		14,400	LF	VARIABLE HEIGHT CONCRETE BAR- RIER, TYPE ***** (II SINGLE SLOPE)
4,500	LF	6" PERFORATED SUBDRAIN PIPE		13,500	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
67	EA	SUBDRAIN PIPE OUTLET		1,400	SY	GENERIC PAVING ITEM PAVED WATERWAY, TYPE 5, AS- PHALT
402	LF	6" OUTLET PIPE		384	LF	GENERIC PAVING ITEM CONCRETE CAP FOR SINGLE FACED BARRIER FILL
112,000	LF	SHOULDER DRAIN		380	LF	GENERIC PAVING ITEM GRANITE CURB
112,000	LF	4" SHOULDER DRAIN PIPE		119	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION
5,200	LF	4" OUTLET PIPE FOR SHOULDER DRAINS		5	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
100	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET		1	EA	GENERIC DRAINAGE ITEM ADJUSTMENT OF JUNCTION BOX
177	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		3	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE
36	CY	ENDWALLS		4	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
121	CY	REINFORCED ENDWALLS		70,000	LF	STEEL BEAM GUARDRAIL
651	CY	FLOWABLE FILL		100	EA	ADDITIONAL GUARDRAIL POSTS
550	EA	MASONRY DRAINAGE STRUCTURES		26	EA	GUARDRAIL END UNITS, TYPE CAT-1
84	CY	MASONRY DRAINAGE STRUCTURES		23	EA	GUARDRAIL END UNITS, TYPE TL-3
857	LF	MASONRY DRAINAGE STRUCTURES		45	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
404	EA	FRAME WITH TWO GRATES, STD 840.20		95,030	LF	REMOVE EXISTING GUARDRAIL
100	EA	FRAME WITH TWO GRATES, STD 840.22		500	LF	TEMPORARY STEEL BEAM GUARDRAIL
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)		18	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		8	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
28	EA	FRAME WITH COVER, STD 840.54		1,200	LF	GENERIC GUARDRAIL ITEM GUARDRAIL SYSTEM, STEEL-BACKED TIMBER, TYPE A (SBTA)
20	EA	GENERIC DRAINAGE ITEM ENERGY DISSIPATOR		655	LF	GENERIC GUARDRAIL ITEM STONE MASONRY GUARDWALL
3	EA	GENERIC DRAINAGE ITEM STONE MASONRY HEADWALL FOR 18" PIPE CULVERT		4	EA	GENERIC GUARDRAIL ITEM GUARDRAIL TERMINAL SECTION, TYPE SBT TANGENT
7	EA	GENERIC DRAINAGE ITEM STONE MASONRY HEADWALL FOR 24" PIPE CULVERT		200	EA	GENERIC GUARDRAIL ITEM RESPONSE FOR GUARDRAIL/ GUIDERAIL MAINTENANCE
3,150	GAL	GENERIC DRAINAGE ITEM GROUTING		80,000	LF	WOVEN WIRE FENCE, 47" FABRIC
133	LF	GENERIC DRAINAGE ITEM 24" PIPE REHABILITATION CIPP LINER		5,100	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
810	LF	GENERIC DRAINAGE ITEM 30" PIPE REHABILITATION CIPP LINER		1,200	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
1,433	LF	GENERIC DRAINAGE ITEM 36" OD PIPE REHABILITATION SOLID WALL THERMOPLASTIC SLIP LINER				
624	LF	GENERIC DRAINAGE ITEM 36" PIPE REHABILITATION CIPP LINER				

			2	EA	DISPOSAL OF SIGN SYSTEM, OVER-HEAD
			24	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
1,000	LF	ADDITIONAL BARBED WIRE	80	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
1,000	LF	** STRAND BARBED WIRE FENCE WITH POSTS (4)	7	EA	DISPOSAL OF SIGN SYSTEM, WOOD
300	LF	TEMP *** WOVEN WIRE FENCE, COMPLETE W/POSTS (47")	8	EA	DISPOSAL OF SUPPORT, U-CHANNEL
1	EA	GENERIC FENCING ITEM	295	SF	WORK ZONE SIGNS (STATIONARY)
		16' STEEL PIPE GATE	216	SF	HIGH VISIBILITY STATIONARY SIGNS
4,175	TON	RIP RAP, CLASS I	146	SF	WORK ZONE SIGNS (PORTABLE)
790	TON	RIP RAP, CLASS II	3,394	SF	HIGH VISIBILITY PORTABLE SIGNS
2,315	TON	RIP RAP, CLASS B	270	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
37,259	SY	GEOTEXTILE FOR DRAINAGE	25	EA	FLASHING ARROW BOARD
30	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	18	EA	PORTABLE CHANGEABLE MESSAGE SIGN
36	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	50	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
7	CY	PLAIN CONCRETE SIGN FOUNDATIONS	18	EA	WORK ZONE PRESENCE LIGHTING
245	CY	OVERHEAD FOOTING	148	EA	DRUMS
30,539	LB	SUPPORTS, BREAKAWAY STEEL BEAM	2,000	EA	HIGH VISIBILITY DRUMS
10,134	LB	SUPPORTS, SIMPLE STEEL BEAM	36	EA	SEQUENTIAL FLASHING WARNING LIGHTS
1,420	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	80	EA	CONES
5	EA	SUPPORTS, BARRIER (SMALL)	384	LF	BARRICADES (TYPE III)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (1001+50 -L-)	48	LF	PEDESTRIAN CHANNELIZING DEVICES
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (1025+50 -L- LT)	117	DAY	FLAGGER
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (1068+00 -L- LT)	64	EA	TEMPORARY CRASH CUSHIONS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (1131+50 -EBL- LT)	12	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (1171+00 -L-)	15	EA	TMA
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (1225+00 -L-)	148,394	LF	PORTABLE CONCRETE BARRIER
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (20+50 -Y15- RPA)	57,482	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (21+50 -Y15- RPC)	60,293	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (838+75 -L-)	9,687	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (911+00 -WBL-)	1,000	HR	LAW ENFORCEMENT
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (916+00 -EBL)	Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM WATERCRAFT SAFETY
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (951+00 -WBL-)	8	EA	GENERIC TRAFFIC CONTROL ITEM CONNECTED LANE CLOSURE DEVICE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (966+50 -EBL- LT)	16	EA	GENERIC TRAFFIC CONTROL ITEM FLASHING BEACONS AND DETECTION SYSTEM
11	EA	SIGN ERECTION, TYPE D	20	EA	GENERIC TRAFFIC CONTROL ITEM RTMC/STOC MANAGED PCMS
29	EA	SIGN ERECTION, TYPE E	16	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY RIVER TRAFFIC WARNING SIGNS
6	EA	SIGN ERECTION, TYPE F	4,844	EA	TEMPORARY RAISED PAVEMENT MARKERS
32	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	221	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
11	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	364	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
30	EA	SIGN ERECTION, MILEMARKERS	64	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
28	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (A)	4,680	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
4	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (B)	11,450	LF	PAINT PAVEMENT MARKING LINES (4")
4	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (D)	3,445	LF	PAINT PAVEMENT MARKING LINES (6")
1	EA	SIGN ERECTION, REPOSITION OVERHEAD	125	LF	PAINT PAVEMENT MARKING LINES (8")
60	EA	DISPOSAL OF SUPPORT, STEEL BEAM	51	LF	PAINT PAVEMENT MARKING LINES (24")
4	EA	DISPOSAL OF SUPPORT, WOOD	51	EA	PAINT PAVEMENT MARKING SYMBOL
			10,445	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
			245,426	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
			533	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
			6,800	LF	POLYUREA PAVEMENT MARKING LINES (12", 20 MILS)
			628,376	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"
			16,900	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 12"
			307,545	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
			16,796	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
			21	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS



			5	EA	GENERIC EROSION CONTROL ITEM TEMPORARY INLET PROTECTION, TYPE D
400	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	9	ACR	GENERIC EROSION CONTROL ITEM BLRI REFORESTATION
3,827	EA	GENERIC PAVEMENT MARKING ITEM NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS	9	ACR	GENERIC EROSION CONTROL ITEM BLRI SEEDING & MULCHING
135	EA	PERMANENT RAISED PAVEMENT MARKERS	2,900	SY	GENERIC EROSION CONTROL ITEM MATTING FOR EROSION CONTROL, RECP TYPE 2.A
12	EA	STANDARD FOUNDATION ***** (R1)	950	SY	GENERIC EROSION CONTROL ITEM MATTING FOR EROSION CONTROL, RECP TYPE 2.B
3	EA	STANDARD FOUNDATION ***** (R2)	4,300	SY	GENERIC EROSION CONTROL ITEM MATTING FOR EROSION CONTROL, RECP TYPE 2.C
180	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (1.5")	15,600	SY	GENERIC EROSION CONTROL ITEM MATTING FOR EROSION CONTROL, RECP TYPE 2.D
300	LF	** #8 W/G FEEDER CIRCUIT (2)	130	SY	GENERIC EROSION CONTROL ITEM MATTING FOR EROSION CONTROL, RECP TYPE 3.B
220	LF	** #6 W/G FEEDER CIRCUIT (2)	2,050	SY	GENERIC EROSION CONTROL ITEM MATTING FOR EROSION CONTROL, RECP TYPE 4
100	LF	** #2 W/G FEEDER CIRCUIT (2)	220	LB	GENERIC EROSION CONTROL ITEM BLRI TEMPORARY SEEDING
4,660	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5")	8	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
250	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5")	6,880	LF	SIGNAL CABLE
5	EA	ELECTRICAL JUNCTION BOXES ***** (LS18)	10	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
Lump Sum	LS	PORTABLE LIGHTING	1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
15	EA	GENERIC LIGHTING ITEM RELOCATE LIGHT STANDARD	2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
126,325	LF	TEMPORARY SILT FENCE	2	EA	LOUVER
6,015	TON	STONE FOR EROSION CONTROL, CLASS A	300	LF	MESSENGER CABLE (1/4")
42,960	TON	STONE FOR EROSION CONTROL, CLASS B	155	LF	MESSENGER CABLE (3/8")
24,920	TON	SEDIMENT CONTROL STONE	50,860	LF	TRACER WIRE
225	ACR	TEMPORARY MULCHING	150	LF	PAVED TRENCHING (***** (2, 2"))
10,500	LB	SEED FOR TEMPORARY SEEDING	4,110	LF	UNPAVED TRENCHING (***** (1, 2"))
55	TON	FERTILIZER FOR TEMPORARY SEEDING	130	LF	UNPAVED TRENCHING (***** (1, 1"))
10,200	LF	TEMPORARY SLOPE DRAINS	46,010	LF	UNPAVED TRENCHING (***** (2, 2"))
37,000	LF	SAFETY FENCE	40	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
95,155	CY	SILT EXCAVATION	1,470	LF	DIRECTIONAL DRILL (***** (1, 2"))
500,000	SY	MATTING FOR EROSION CONTROL	5,590	LF	DIRECTIONAL DRILL (***** (2, 2"))
14,025	SY	COIR FIBER MAT	17	EA	JUNCTION BOX (***** (SPECIAL OVER-SIZED, HEAVY DUTY)
37,300	LF	1/4" HARDWARE CLOTH	51	EA	JUNCTION BOX (STANDARD SIZE)
15	LF	*** TEMPORARY PIPE (18")	77	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
580	LF	*** TEMPORARY PIPE (36")	4	EA	WOOD POLE
645	SY	FLOATING TURBIDITY CURTAIN	4	EA	GUY ASSEMBLY
70	EA	SPECIAL STILLING BASINS	1	EA	1/2" RISER WITH WEATHERHEAD
1,000	LF	WATTLE	1	EA	1" RISER WITH WEATHERHEAD
9,000	LF	COIR FIBER WATTLE	2	EA	2" RISER WITH WEATHERHEAD
1,400	LF	COIR FIBER WATTLE BARRIER	2	EA	2" RISER WITH HEAT SHRINK TUBING
14,100	LB	POLYACRYLAMIDE (PAM)	2,300	LF	INDUCTIVE LOOP SAWCUT
22,630	LF	COIR FIBER BAFFLE	8,820	LF	LEAD-IN CABLE (***** (14-2)
48	EA	*** SKIMMER (1-1/2")	54,970	LF	COMMUNICATIONS CABLE (**FIBER) (144)
12	EA	*** SKIMMER (2")	6,520	LF	DROP CABLE
3	EA	*** SKIMMER (2-1/2")	14	EA	SPLICE ENCLOSURE
225	ACR	SEEDING & MULCHING	4	EA	MODIFY SPLICE ENCLOSURE
135	ACR	MOWING	12	EA	INTERCONNECT CENTER
2,700	LB	SEED FOR REPAIR SEEDING	90	EA	DELINEATOR MARKER
8,25	TON	FERTILIZER FOR REPAIR SEEDING	5,110	LF	REMOVE EXISTING COMMUNICATIONS CABLE
4,075	LB	SEED FOR SUPPLEMENTAL SEEDING	2	EA	METAL POLE WITH SINGLE MAST ARM
3,870	SY	SODDING	14	EA	SOIL TEST
109	M/G	WATER	60	CY	DRILLED PIER FOUNDATION
122.25	TON	FERTILIZER TOPDRESSING	2	EA	MAST ARM WITH METAL POLE DESIGN
685	LF	IMPERVIOUS DIKE	3	EA	SIGN FOR SIGNALS
350	MHR	SPECIALIZED HAND MOWING	7	EA	TYPE II PEDESTAL WITH FOUNDATION
150	EA	RESPONSE FOR EROSION CONTROL	5	EA	DETECTOR CARD (***** (2070-E)
2	ACR	REFORESTATION	3	EA	METAL POLE FOUNDATION REMOVAL
22	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT	3	EA	METAL POLE REMOVAL
1	EA	GENERIC EROSION CONTROL ITEM RISER BASIN, 1170 CF VOLUME CAPACITY			
1	EA	GENERIC EROSION CONTROL ITEM RISER BASIN, 2510 CF VOLUME CAPACITY			
5	EA	GENERIC EROSION CONTROL ITEM TEMPORARY INLET PROTECTION, TYPE C			

77	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE	82,223	LB	REINFORCING STEEL (CULVERT)
8	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY			
8	EA	GENERIC SIGNAL ITEM CCTV CAMERA METAL POLE			
4	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER	14,640	SF	MSE RETAINING WALL NO **** (14)
4	EA	GENERIC SIGNAL ITEM DMS PEDESTAL STRUCTURE	3,340	SF	MSE RETAINING WALL NO **** (18)
4	EA	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN	17,670	SF	MSE RETAINING WALL NO **** (19)
9	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT	13,880	SF	MSE RETAINING WALL NO **** (20)
11	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	23,270	SF	MSE RETAINING WALL NO **** (22)
2	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET (WITH INVERTER)	3,060	SF	MSE RETAINING WALL NO **** (23)
5	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET (WITH UPS)	7,360	SF	MSE RETAINING WALL NO **** (3)
1	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT SHELL CABINET	5,620	SF	MSE RETAINING WALL NO **** (4)
4	EA	GENERIC SIGNAL ITEM ICM PORTABLE TRAILER MOUNTED CCTV CAMERA	4,820	SF	MSE RETAINING WALL NO **** (5)
6	EA	GENERIC SIGNAL ITEM METER BASE / DISCONNECT COMBI- NATION PANEL	115,610	SF	SOIL NAIL RETAINING WALLS
4	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES	32	EA	SOIL NAIL VERIFICATION TESTS
3	EA	GENERIC SIGNAL ITEM MODIFY ELECTRICAL SERVICE	282	EA	SOIL NAIL PROOF TESTS
3	EA	GENERIC SIGNAL ITEM PORTABLE CHANGEABLE MESSAGE SIGN	53,482	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL SURFACE TREAT- MENT
4	EA	GENERIC SIGNAL ITEM PORTABLE TRAILER MOUNTED CCTV CAMERA	30,058	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO -NW6.1-
7	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SIGNAL PEDESTAL, TYPE II (BLACK)			
2	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SINGLE MAST ARM POLE (BLACK)	603	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (7-1/2" TO 1/4")
3	EA	GENERIC SIGNAL ITEM REMOVE EXISTING DMS AND STRUCTURE	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (1163+08.56 -L-)
2	EA	GENERIC SIGNAL ITEM REMOVE WOOD POLE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1050+63.05 -L-)
2	EA	GENERIC SIGNAL ITEM SOLAR POWER ASSEMBLY	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1163+08.56 -L-)
2	EA	GENERIC SIGNAL ITEM STEP-UP STEP-DOWN TRANSFORMER	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (514+86.3)
Lump Sum	LS	GENERIC SIGNAL ITEM INTEGRATION AND CONFIGURATION	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (912+89.86 -EBL-)
900	LF	GENERIC SIGNAL ITEM #4 SOLID BARE GROUNDING CON- DUCTOR	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (913+34.69 -WBL-)
2,000	LF	GENERIC SIGNAL ITEM 3 WIRE COPPER FEEDER CONDU- CTORS	Lump Sum	LS	ASBESTOS ASSESSMENT
180	LF	GENERIC SIGNAL ITEM 3 WIRE COPPER SERVICE ENTRANCE CONDUCTORS	Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1, 514+86.3)
3,120	LF	GENERIC SIGNAL ITEM 4 WIRE COPPER FEEDER CONDU- CTORS	Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2, 514+86.3)
24	CY	GENERIC SIGNAL ITEM DMS FOUNDATION	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 1050+65.05 -L-)
			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 514+86.3)
			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 514+86.3)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1019+28.18 -L-)	156.6	LF	**L**" DIA DRILLED PIERS IN SOIL (5'-0")
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1019+28.18 -L-)	300	LF	**L**" DIA DRILLED PIERS NOT IN SOIL (5'-0")
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (887+89.20 -WBL-)	344	LF	PERMANENT STEEL CASING FOR **L**" DIA DRILLED PIER (5'-0")
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (982+96.44 -WBL-)	2	EA	PDA TESTING
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (984+16.39 -WBL-)	4	EA	CSL TESTING
130	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (1050+63.05 -L-)
512.6	CY	CLASS A CONCRETE (CULVERT)			

**WALL ITEMS**

**STRUCTURE ITEMS**

**CULVERT ITEMS**

Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (1163+08.56 -L-)
102,210	SF	REINFORCED CONCRETE DECK SLAB
114,643	SF	GROOVING BRIDGE FLOORS
490	CY	CLASS AA CONCRETE (BRIDGE)
1,863.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1050+63.05 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (1163+08.56 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (514+86.3)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (912+89.86 -EBL-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (913+34.69 -WBL-)
533,185	LB	REINFORCING STEEL (BRIDGE)
32,327	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,156.5	LF	45" PRESTRESSED CONCRETE GIRDERS
2,986.5	LF	54" PRESTRESSED CONCRETE GIRDERS
2,787,684	LS	APPROX ..... LBS STRUCTURAL STEEL
178	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
54	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 73)
52	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 89)
2,912	LF	HP ***X*** STEEL PILES (HP 14 X 89)
8,745	LF	HP12X53 STEEL PILES
1,350	LF	HP14X73 STEEL PILES
1,715.33	LF	CONCRETE BARRIER RAIL
734.58	LF	CONCRETE MEDIAN BARRIER
1,337.9	SY	4" SLOPE PROTECTION
110	CY	LATEX MODIFIED CONC OVERLAY
1,970	SY	PLACING & FINISHING OF LATEX MODIFIED CONC OVERLAY
2,243.4	TON	RIP RAP CLASS II (2'-0" THICK)
2,492.7	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	DISC BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	MODULAR EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM SOUND BARRIER WALL (BRIDGE MOUNTED)
1,210	LF	GENERIC STRUCTURE ITEM CALTRANS BARRIER RAIL
170	CY	GENERIC STRUCTURE ITEM HIGH STRENGTH CONCRETE
2,225	CY	GENERIC STRUCTURE ITEM PRECAST SEGMENTAL BRIDGE
31	CY	GENERIC STRUCTURE ITEM STONE MASONRY FOR WINGWALL, PARAPET, AND ABUTMENT
147,300	LB	GENERIC STRUCTURE ITEM POST-TENSIONING STEEL
3,316	SY	GENERIC STRUCTURE ITEM DIAMOND GRINDING
3,340	SY	GENERIC STRUCTURE ITEM SILANE DECK TREATMENT