



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](http://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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December 7, 2017

To Whom It May Concern:

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

Sincerely,

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

Ronald E. Davenport, PE  
State Contract Officer

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

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

*Location:*  
1020 BIRCH RIDGE DR.  
RALEIGH, NC 27610

*Website:* [www.ncdot.gov](http://www.ncdot.gov)



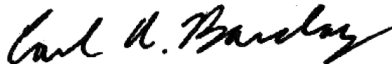
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

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 SEPTEMBER 18, 2018. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

1. THE BIDDER SHALL PURCHASE A PROPOSAL FOR EACH PROJECT FOR WHICH HE INTENDS TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID.
2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.
3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. CERTIFICATION FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE <https://connect.ncdot.gov/letting/Pages/Central-Letting-Forms.aspx>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE ADDRESSED TO THE STATE CONTRACT OFFICER AT 919-707-6900.

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

**CONTRACTOR'S LICENSE:** A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. ON FEDERAL PROJECTS, THE APPROPRIATE CONTRACTORS LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

**PREQUALIFYING TO BID:** ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE CONTRACTUAL SERVICES MANAGEMENT SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES MANAGEMENT SECTION AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY ENSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-707-6925), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C., 27610. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 6.75% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "**N.C. DEPARTMENT OF TRANSPORTATION**".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS AUGUST 21, 2018.  
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.

<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	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 L180918

RPN	Contract Id	WBS	County	Length	JobType
001	C204107	39049.3.1	CUMBERLAND	6.231 MI	GRADING, DRAINAGE, PAVING, SIGNALS, WALLS, AND STRUCTURES.
002	C204254	15BPR.16	BRUNSWICK	0.340 MI	BRIDGE PRESERVATION.
003	*C204243	47892	DARE	0.000 MI	FERRY VESSEL
004	C204108	34552.3.5	JOHNSTON	4.640 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
005	C204149	50162.3.1	HALIFAX	3.141 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
006	C204240	2020CPT.05.03.20351.1	FRANKLIN	30.934 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
007	C204250	2020CPT.05.04.20921.1	WAKE	40.440 MI	MILLING, RESURFACING, SIGNALS, AND SHOULDER RECONSTRUCTION.
008	C204111	47160.3.1	ALAMANCE	55.000 MI	COMPUTERIZED TRAFFIC SIGNAL SYSTEM.
009	C204226	2020CPT.10.01.10601 ETC.	MECKLENBURG, CABARRUS	34.690 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
010	C204252	42376.3.1 ETC.	MECKLENBURG	1.163 MI	GRADING, DRAINAGE, PAVING, SIGNALS, RET WALLS & STRUCTURE.
011	C204146	50442.3.1	MECKLENBURG	12.816 MI	PAVEMENT REHABILITATION AND STRUCTURES OVERLAY.
012	C204130	17BP.14.R.154 ETC.	MACON	1.113 MI	GRADING, DRAINAGE, PAVING, SIGNAL, CULVERT, AND STRUCTURE.

\*C204243 DARE COUNTY - MANDATORY PREBID MEETING - SEPTEMBER 6, 2018 10:00 AM - 2:00 PM  
 AT NCDOT STATE SHIPYARD - 8550 SHIPYARD RD. MANNS HARBOR, NC - (252) 426-5104

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L180918 001

CONTRACT ID : C204107 39049.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 6.231 MI

COUNTY : CUMBERLAND

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

DBE GOAL 10.0% COMPLETION DATE : DEC 12 2023

US-401 (RAEFORD RD) FROM OLD RAEFORD RD TO EAST OF FAIRWAY DR IN FAYETTEVILLE.

ROADWAY ITEMS					
			25,220	LF	15" RC PIPE CULVERTS, CLASS IV
			6,996	LF	18" RC PIPE CULVERTS, CLASS IV
			6,916	LF	24" RC PIPE CULVERTS, CLASS IV
			4,372	LF	30" RC PIPE CULVERTS, CLASS IV
			5,148	LF	36" RC PIPE CULVERTS, CLASS IV
			4,452	LF	42" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	40	LF	18" CS PIPE CULVERTS, 0.064" THICK
18,000	CY	UNCLASSIFIED EXCAVATION	2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (26+78.00 -RPB-)	22	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")
3,200	CY	UNDERCUT EXCAVATION	46	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")
165,000	CY	BORROW EXCAVATION	140	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (60", 0.875")
3,740	CY	DRAINAGE DITCH EXCAVATION	216	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (72", 1")
2,640	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	22	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
3,200	CY	SELECT GRANULAR MATERIAL	46	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
19,300	SY	GEOTEXTILE FOR SOIL STABILIZATION	140	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.875")
45,349	SF	TEMPORARY SHORING	216	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (72", 1")
935	SY	ROCK PLATING	22	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
100	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	46	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
20,826.79	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	140	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.875")
48,703.99	SY	FOUNDATION CONDITIONING GEOTEXTILE	216	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (72", 1")
416	LF	*** DRAINAGE PIPE (54")	30	LF	GENERIC PIPE ITEM 15" CS SLOTTED DRAIN, 0.064" THICK
52	LF	*** DRAINAGE PIPE (60")	950	LF	GENERIC PIPE ITEM 4" PVC SLEEVE
52	LF	*** DRAINAGE PIPE (66")	28,887	LF	PIPE REMOVAL
52	LF	12" DRAINAGE PIPE	4	EA	PIPE CLEAN OUT
2,656	LF	15" DRAINAGE PIPE	Lump Sum	LS	FINE GRADING
1,456	LF	18" DRAINAGE PIPE	4,300	CY	SHALLOW UNDERCUT
468	LF	24" DRAINAGE PIPE	9,800	TON	CLASS IV SUBGRADE STABILIZATION
704	LF	30" DRAINAGE PIPE	10,000	TON	INCIDENTAL STONE BASE
120	LF	36" DRAINAGE PIPE	16,490	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")
824	LF	42" DRAINAGE PIPE	15,000	SY	INCIDENTAL MILLING
704	LF	48" DRAINAGE PIPE	52,830	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
2	EA	*** DRAINAGE PIPE ELBOWS (12")	61,440	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
2	EA	*** DRAINAGE PIPE ELBOWS (15")	7,570	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2	EA	*** DRAINAGE PIPE ELBOWS (24")	52,880	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
4	EA	*** DRAINAGE PIPE ELBOWS (30")	9,010	TON	ASPHALT BINDER FOR PLANT MIX
2	EA	*** DRAINAGE PIPE ELBOWS (48")	14,879.1	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
60	LF	15" SIDE DRAIN PIPE	385.4	CY	SUBDRAIN EXCAVATION
100	LF	***** RC PIPE CULVERTS, CLASS (66", V)	1,600	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
28	LF	15" RC PIPE CULVERTS, CLASS III	268.8	CY	SUBDRAIN COARSE AGGREGATE
20	LF	48" RC PIPE CULVERTS, CLASS III	1,600	LF	6" PERFORATED SUBDRAIN PIPE
284	LF	60" RC PIPE CULVERTS, CLASS III	4	EA	SUBDRAIN PIPE OUTLET
48	LF	66" RC PIPE CULVERTS, CLASS III	24	LF	6" OUTLET PIPE
404	LF	72" RC PIPE CULVERTS, CLASS III	21	CY	ENDWALLS
40	LF	***** RC PIPE CULVERTS, CLASS IV (12")	12.6	CY	REINFORCED ENDWALLS
3,264	LF	***** RC PIPE CULVERTS, CLASS IV (48")	22.95	CY	PIPE COLLARS
2,248	LF	***** RC PIPE CULVERTS, CLASS IV (54")	10	CY	PIPE PLUGS
344	LF	***** RC PIPE CULVERTS, CLASS IV (60")	185	CY	FLOWABLE FILL
			773	EA	MASONRY DRAINAGE STRUCTURES
			98.374	CY	MASONRY DRAINAGE STRUCTURES
			480.5	LF	MASONRY DRAINAGE STRUCTURES
			252	EA	FRAME WITH TWO GRATES, STD 840.16



			5	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	
			2	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM SPAN WIRE	
12	EA	FRAME WITH TWO GRATES, STD 840.24				
27	EA	FRAME WITH TWO GRATES, STD 840.29	346	SF	WORK ZONE SIGNS (STATIONARY)	
58	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	384	SF	WORK ZONE SIGNS (PORTABLE)	
193	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	127	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	
199	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	4	EA	FLASHING ARROW BOARD	
49	EA	FRAME WITH COVER, STD 840.54	6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	
143	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	335	EA	DRUMS	
7,970	LF	***X *** CONCRETE CURB (8" X 12")	152	LF	BARRICADES (TYPE III)	
22,170	LF	1'-6" CONCRETE CURB & GUTTER	300	DAY	FLAGGER	
69,178.18	LF	2'-6" CONCRETE CURB & GUTTER	3	EA	TEMPORARY CRASH CUSHIONS	
490	LF	SHOULDER BERM GUTTER	4	EA	TMA	
64	LF	CONCRETE VALLEY GUTTER	403	LF	PORTABLE CONCRETE BARRIER	
35,905.85	SY	4" CONCRETE SIDEWALK	1,290	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	
306	EA	CONCRETE CURB RAMPS	200	HR	LAW ENFORCEMENT	
4,908.89	SY	6" CONCRETE DRIVEWAY	128	LF	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN BARRICADE	
14,770	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	58,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	
2,372	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	88,560	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	
12	EA	ADJUSTMENT OF CATCH BASINS	14,570	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	
3	EA	ADJUSTMENT OF DROP INLETS	26,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	
86	EA	ADJUSTMENT OF MANHOLES	300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)	
150	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	7,320	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	
4	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX	415	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	
2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	745	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	
3,625	LF	STEEL BEAM GUARDRAIL	233,461	LF	PAINT PAVEMENT MARKING LINES (4")	
5	EA	ADDITIONAL GUARDRAIL POSTS	38,787	LF	PAINT PAVEMENT MARKING LINES (8")	
12	EA	GUARDRAIL END UNITS, TYPE CAT-1	1,336	LF	PAINT PAVEMENT MARKING LINES (24")	
12	EA	GUARDRAIL END UNITS, TYPE TL-3	124	EA	PAINT PAVEMENT MARKING CHARACTER	
5	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	1,376	EA	PAINT PAVEMENT MARKING SYMBOL	
1,101	LF	REMOVE EXISTING GUARDRAIL	2,850	EA	PERMANENT RAISED PAVEMENT MARKERS	
1,600	LF	WOVEN WIRE FENCE, 47" FABRIC	Lump Sum	LS	PORTABLE LIGHTING	
98	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	606	LF	2" WATER LINE	
30	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	955	LF	6" WATER LINE	
573	LF	CHAIN LINK FENCE, *** FABRIC (72")	8,220	LF	8" WATER LINE	
56	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")	7,481.8	LF	12" WATER LINE	
49	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")	630	LF	16" WATER LINE	
310	TON	RIP RAP, CLASS I	6,741	LF	24" WATER LINE	
2,800	TON	RIP RAP, CLASS II	2,278	LF	30" WATER LINE	
1,500	TON	RIP RAP, CLASS B	327,584.15	LB	DUCTILE IRON WATER PIPE FITTINGS	
5,000	SY	GEOTEXTILE FOR DRAINAGE	37	EA	2" VALVE	
2	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	124	EA	6" VALVE	
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS	58	EA	8" VALVE	
18	CY	OVERHEAD FOOTING	29	EA	12" VALVE	
2,196	LB	SUPPORTS, BREAKAWAY STEEL BEAM	1	EA	16" VALVE	
6,650	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	18	EA	24" VALVE	
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+74 -RPB-)	7	EA	30" VALVE	
7	EA	SIGN ERECTION, TYPE D	3	EA	6" TAPPING SLEEVE & VALVE	
469	EA	SIGN ERECTION, TYPE E	4	EA	8" TAPPING SLEEVE & VALVE	
44	EA	SIGN ERECTION, TYPE F	3	EA	12" TAPPING SLEEVE & VALVE	
4	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)	8	EA	24" TAPPING SLEEVE & VALVE	
4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	2	EA	*** BLOW OFF (1")	
69	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	5	EA	2" BLOW OFF	
2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	173	EA	RELOCATE WATER METER	
279	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	6	EA	RECONNECT WATER METER	
69	EA	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA	RELOCATE *** DCV BACKFLOW PREVENTION ASSEMBLY (1")	
			2	EA	RELOCATE 2" DCV BACKFLOW PREVENTION ASSEMBLY	
			2	EA	RELOCATE 6" DCV BACKFLOW PREVENTION ASSEMBLY	
			110	EA	FIRE HYDRANT	
			7	EA	RELOCATE FIRE HYDRANT	
			1,688	LF	FIRE HYDRANT LEG	
			2	EA	24" LINE STOP	
			837.01	LF	*** WATER SERVICE LINE (2")	
			1,862	LF	WATER SERVICE LINE	
			1,731.5	LF	8" SANITARY GRAVITY SEWER	
			90	LF	10" SANITARY GRAVITY SEWER	

			60	ACR	TEMPORARY MULCHING
			3,000	LB	SEED FOR TEMPORARY SEEDING
			16	TON	FERTILIZER FOR TEMPORARY SEEDING
2,934.75	LF	12" SANITARY GRAVITY SEWER			
302.39	LF	16" SANITARY GRAVITY SEWER	2,000	LF	TEMPORARY SLOPE DRAINS
68	EA	SANITARY SEWER CLEAN-OUT	200	LF	SAFETY FENCE
3,018.52	LF	SEWER SERVICE LINE	6,000	CY	SILT EXCAVATION
30	EA	4' DIA UTILITY MANHOLE	60,000	SY	MATTING FOR EROSION CONTROL
2	EA	5' DIA UTILITY MANHOLE	100	SY	COIR FIBER MAT
165.39	LF	UTILITY MANHOLE WALL 4' DIA	300	SY	PERMANENT SOIL REINFORCEMENT MAT
11.41	LF	UTILITY MANHOLE WALL 5' DIA	51,600	LF	1/4" HARDWARE CLOTH
100	LF	ABANDON *** UTILITY PIPE (15")	100	SY	LOW PERMEABILITY GEOTEXTILE
877.01	LF	ABANDON *** UTILITY PIPE (2")	50	SY	FLOATING TURBIDITY CURTAIN
			557	CY	STILLING BASINS
10,065.01	LF	ABANDON 6" UTILITY PIPE	20	EA	SPECIAL STILLING BASINS
4,185	LF	ABANDON 8" UTILITY PIPE	7,320	LF	COIR FIBER WATTLE
15,017.01	LF	ABANDON 12" UTILITY PIPE	4,515	LB	POLYACRYLAMIDE (PAM)
665.01	LF	ABANDON 16" UTILITY PIPE	2,200	LF	COIR FIBER BAFFLE
12,106	LF	ABANDON 24" UTILITY PIPE	5	EA	*** SKIMMER (1-1/2")
5	EA	REMOVE WATER METER			
37	EA	REMOVE FIRE HYDRANT	52	ACR	SEEDING & MULCHING
11	EA	ABANDON UTILITY MANHOLE	26	ACR	MOWING
3	EA	REMOVE UTILITY MANHOLE	750	LB	SEED FOR REPAIR SEEDING
100	LF	*** ENCASEMENT PIPE (4")	2.25	TON	FERTILIZER FOR REPAIR SEEDING
			1,250	LB	SEED FOR SUPPLEMENTAL SEEDING
125	LF	*** ENCASEMENT PIPE (42")	37.5	TON	FERTILIZER TOPDRESSING
75.01	LF	12" ENCASEMENT PIPE	1,050	LF	IMPERVIOUS DIKE
212	LF	16" ENCASEMENT PIPE	25	MHR	SPECIALIZED HAND MOWING
648.01	LF	24" ENCASEMENT PIPE	125	EA	RESPONSE FOR EROSION CONTROL
414	LF	30" ENCASEMENT PIPE	10	EA	CONCRETE WASHOUT STRUCTURE
588	LF	36" ENCASEMENT PIPE	300	CY	CULVERT DIVERSION CHANNEL
75.01	LF	BORE AND JACK OF *** (12")	300	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
454	LF	BORE AND JACK OF *** (16")	100	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
588.01	LF	BORE AND JACK OF *** (24")	132	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
414	LF	BORE AND JACK OF *** (30")	109,620	LF	SIGNAL CABLE
588	LF	BORE AND JACK OF *** (36")	376	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
102	LF	BORE AND JACK OF *** (4")	61	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
399	LF	BORE AND JACK OF *** (42")	47	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
368	LF	DIRECTIONAL DRILLING OF *** (16")	3,480	LF	MESSENGER CABLE (1/4")
540	LF	DIRECTIONAL DRILLING OF *** (30")	20,490	LF	MESSENGER CABLE (3/8")
22	EA	GENERIC UTILITY ITEM 12" NITRILE GASKETS	745	LF	TRACER WIRE
3	EA	GENERIC UTILITY ITEM 16" NITRILE GASKETS	530	LF	PAVED TRENCHING (***** (1, 2"))
1	EA	GENERIC UTILITY ITEM 2" COMBINATION AIR RELEASE VALVE	30	LF	PAVED TRENCHING (***** (3, 2"))
44	EA	GENERIC UTILITY ITEM 24" NITRILE GASKETS	9,150	LF	UNPAVED TRENCHING (***** (1, 2"))
11	EA	GENERIC UTILITY ITEM 30" NITRILE GASKETS	2,570	LF	UNPAVED TRENCHING (***** (2, 2"))
34	EA	GENERIC UTILITY ITEM 8" NITRILE GASKETS	270	LF	UNPAVED TRENCHING (***** (3, 2"))
6	EA	GENERIC UTILITY ITEM AERIAL WATER MAIN STEEL PILE PIER	420	LF	UNPAVED TRENCHING (***** (4, 2"))
4	EA	GENERIC UTILITY ITEM REMOVE EXISTING PIERS	510	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
0.86	LF	GENERIC UTILITY ITEM BRICK AND MORTAR MANHOLE	650	LF	DIRECTIONAL DRILL (***** (1, 2"))
297	LF	GENERIC UTILITY ITEM POLYETHYLENE ENCASEMENT ON 12" DIA MAIN	235	LF	DIRECTIONAL DRILL (***** (2, 2"))
101	LF	GENERIC UTILITY ITEM POLYETHYLENE ENCASEMENT ON 16" DIA MAIN	214	EA	JUNCTION BOX (STANDARD SIZE)
540	LF	GENERIC UTILITY ITEM POLYETHYLENE ENCASEMENT ON 24" DIA MAIN	13	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
270	LF	GENERIC UTILITY ITEM POLYETHYLENE ENCASEMENT ON 8" DIA MAIN	71	EA	WOOD POLE
0.33	LF	GENERIC UTILITY ITEM PRECAST MANHOLE	145	EA	GUY ASSEMBLY
3.17	LF	GENERIC UTILITY ITEM SEWER MANHOLE VENT	18	EA	1/2" RISER WITH WEATHERHEAD
39,000	LF	TEMPORARY SILT FENCE	22	EA	1" RISER WITH WEATHERHEAD
1,850	TON	STONE FOR EROSION CONTROL, CLASS A	54	EA	2" RISER WITH WEATHERHEAD
3,100	TON	STONE FOR EROSION CONTROL, CLASS B	2	EA	2" RISER WITH HEAT SHRINK TUBING
13,050	TON	SEDIMENT CONTROL STONE	31,420	LF	INDUCTIVE LOOP SAWCUT
			127,800	LF	LEAD-IN CABLE (***** (14-2))
			20	EA	SITE SURVEY
			75	EA	LUMINAIRE ARM FOR VIDEO SYSTEM
			75	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
			20	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
			114	EA	RELOCATE CAMERA SENSOR UNIT
			7,388	LF	COMMUNICATIONS CABLE (**FIBER) (12)
			22,656	LF	COMMUNICATIONS CABLE (**FIBER) (24)

**CULVERT ITEMS**

18,736	LF	COMMUNICATIONS CABLE (**FIBER) (72)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (137+99.59 -L-)
7,045	LF	DROP CABLE	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (137+99.59 -L-)
18	EA	SPLICE ENCLOSURE	117	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
25	EA	INTERCONNECT CENTER	160	CY	CHANNEL EXCAVATION
19	EA	DELINEATOR MARKER	247.2	CY	CLASS A CONCRETE (CULVERT)
4	EA	FIBER-OPTIC SPLICE CABINET (BASE MOUNTED)	32,201	LB	REINFORCING STEEL (CULVERT)
30,854	LF	REMOVE EXISTING COMMUNICATIONS CABLE	2,363	SF	GENERIC RETAINING WALL ITEM ANCHORED SHEET PILE WALL
46	EA	METAL STRAIN SIGNAL POLE			
46	EA	SOIL TEST			
276	CY	DRILLED PIER FOUNDATION			
57	EA	SIGN FOR SIGNALS			
1	EA	TYPE I POST WITH FOUNDATION			
113	EA	TYPE II PEDESTAL WITH FOUND- ATION			
2	EA	TYPE III PEDESTAL WITH FOUND- ATION	17,470	SF	MSE RETAINING WALL NO **** (1)
2	EA	LED BLANKOUT SIGN	11,360	SF	MSE RETAINING WALL NO **** (2)
25	EA	SIGNAL CABINET FOUNDATION	450	SF	SEGMENTAL GRAVITY RETAINING WALLS
7	EA	CONTROLLERS WITH CABINET (***** (2070LX, BASE MOUNTED)	45,110	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL SURFACE TREATMENT
216	EA	DETECTOR CARD (TYPE 2070L)	27,855	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL
11	EA	CABINET BASE EXTENDER			
10	EA	METAL POLE FOUNDATION REMOVAL			
10	EA	METAL POLE REMOVAL			
1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE (40')			
1	EA	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY			
1	EA	GENERIC SIGNAL ITEM DMS ELECTRICAL SERVICE			
1	EA	GENERIC SIGNAL ITEM DMS STRUCTURE	1	EA	PDA TESTING
1	EA	GENERIC SIGNAL ITEM DUAL DMS MOUNTED BACK TO BACK	3,042	SF	REINFORCED CONCRETE DECK SLAB
7	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	4,473	SF	GROOVING BRIDGE FLOORS
16	EA	GENERIC SIGNAL ITEM HUB SPLICE CENTER	89.5	CY	CLASS A CONCRETE (BRIDGE)
1	EA	GENERIC SIGNAL ITEM SOIL TEST FOR CCTV POLE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (26+78.00 -RPB-)
1	EA	GENERIC SIGNAL ITEM SOIL TEST FOR DMS FOUNDATION	12,844	LB	REINFORCING STEEL (BRIDGE)
1,550	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE	396.88	LF	45" PRESTRESSED CONCRETE GIR- DERS
15	CY	GENERIC SIGNAL ITEM DMS FOUNDATION	14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
6	CY	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION FOR CCTV POLE	1,225	LF	HP12X53 STEEL PILES
50	HR	GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION - STANDARD	8	EA	PILE REDRIVES
15,000	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")	220.3	LF	CONCRETE BARRIER RAIL
1,700	LF	GENERIC EROSION CONTROL ITEM TREE PROTECTION FENCE	28	SY	4" SLOPE PROTECTION
369	LF	GENERIC UTILITY ITEM 6" RESTRAINED JOINT DI WATER LINE	Lump Sum	LS	ELASTOMERIC BEARINGS
1	EA	12" LINE STOP	Lump Sum	LS	EXPANSION JOINT SEALS
5,313	LF	GENERIC UTILITY ITEM 8" RESTRAINED JOINT DI WATER LINE			
5,402	LF	GENERIC UTILITY ITEM 12" RESTRAINED JOINT DI WATER LINE			
250	LF	GENERIC UTILITY ITEM 16" RESTRAINED JOINT DI WATER LINE			
368	LF	GENERIC UTILITY ITEM 16" HDPE SDR-9 WATER LINE			
7,439.26	LF	GENERIC UTILITY ITEM 24" RESTRAINED JOINT DI WATER LINE			
3,483	LF	GENERIC UTILITY ITEM 30" RESTRAINED JOINT DI WATER LINE			
540	LF	GENERIC UTILITY ITEM 30" HDPE SDR-9 WATER LINE			

**WALL ITEMS**

**STRUCTURE ITEMS**

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 002

CONTRACT ID : C204254 15BPR.16

DIV OFFICE CASTLE HAYNE

LENGTH = 0.340 MI

COUNTY : BRUNSWICK

BRIDGE PRESERVATION.

DBE GOAL 0.0% COMPLETION DATE : OCT 01 2019

BRIDGE #71 ON NC-130 OVER THE INTRACOASTAL WATERWAY.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
145	SY	INCIDENTAL MILLING
15	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1	TON	ASPHALT BINDER FOR PLANT MIX
64	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
70	DAY	FLAGGER
45	EA	SKINNY DRUM
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
7,280	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
50	EA	SNOWPLOWABLE PAVEMENT MARKERS

## STRUCTURE ITEMS

53,721	SF	GROOVING BRIDGE FLOORS
Lump Sum	LS	POLLUTION CONTROL
6	SY	CLASS II, SURFACE PREPARATION
Lump Sum	LS	ELASTOMERIC BEARINGS
191	CF	CONCRETE REPAIRS
1,031	CF	SHOTCRETE REPAIRS
1,140	LF	EPOXY RESIN INJECTION
132	LF	GENERIC STRUCTURE ITEM BRIDGE JOINT REMOVAL
3,599	LF	GENERIC STRUCTURE ITEM RAIL RETROFIT
788	LF	GENERIC STRUCTURE ITEM SILICONE JOINT SEALANT
192	CY	GENERIC STRUCTURE ITEM PPC MATERIALS
210	CF	GENERIC STRUCTURE ITEM REPAIRS TO PRESTRESSED CONC- RETE GIRDERS
975	SF	GENERIC STRUCTURE ITEM CP SYSTEM, ZINC ALUMINUM SPRAY
3,527	SF	GENERIC STRUCTURE ITEM EPOXY PROTECTIVE COATING
6	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR PPC OVERLAY
6,674	SY	GENERIC STRUCTURE ITEM PLACING AND FINISHING PPC OVERLAY
6,674	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
6,674	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
22	EA	GENERIC STRUCTURE ITEM CP SYSTEM (ZINC BULK ANODES)
3	EA	GENERIC STRUCTURE ITEM TYPE I BRIDGE JACKING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 003

CONTRACT ID : C204243 47892

DIV OFFICE EDENTON

LENGTH = 0.000 MI

COUNTY : DARE

FERRY VESSEL

DBE GOAL % COMPLETION DATE : MAR 05 2020

REPLACEMENT VESSEL FOR M/V KINNAKEET

ROADWAY ITEMS

Lump Sum LS GENERIC FERRY ITEM  
CONSTRUCT 183'-7" X 46' X 11'  
PASSENGER/VEHICLE FERRY "H"

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 004

CONTRACT ID : C204108 34552.3.5

DIV OFFICE WILSON

LENGTH = 4.640 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 12.0% COMPLETION DATE : JAN 28 2023

NC-42 FROM EAST OF SR-1902 (GLEN LAUREL RD) TO SR-1003 (BUFFALO RD).

ROADWAY ITEMS				
		1	EA	*** PIPE END SECTION (18")
		930	LF	15" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	56	LF	18" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	400	LF	24" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	3 ACR	124	LF	30" CS PIPE CULVERTS, 0.079" THICK
	5 EA	1	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.0625")
161,000	CY	38	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (15", 0.500")
Lump Sum	LS	222	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (18", 0.500")
	12,650 CY	134	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (24", 0.500")
	216,000 CY	264	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")
	4,780 CY	204	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")
	3,600 LF	284	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.500")
	22,200 SY	36	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.500")
	19,010 SY	232	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54", 0.750")
	56 HR	178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.750")
	10,100 CY	64	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (72", 0.750")
	850 CY	90	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (84", 0.750")
	45,950 SY	38	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.500")
	5,800 SF	222	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.500")
	440 SY	134	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")
	2,550 SY	264	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
	900 SY	204	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
	100 TON	284	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.500")
	4,976 TON	36	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.500")
	23,226 SY	232	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.750")
	80 LF	178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.750")
	456 LF	64	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (72", 0.750")
	6,760 LF	90	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (84", 0.750")
	2,892 LF	38	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.500")
	1,956 LF	222	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.500")
	1,052 LF	134	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")
	12 LF	264	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
	504 LF	204	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
	22 EA	284	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.500")
	6 EA	36	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.500")
	1 EA	232	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.750")
	104 LF	178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.750")
	508 LF	64	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (72", 0.750")
	76 LF	90	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (84", 0.750")
	136 LF	38	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.500")
	7,944 LF	222	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.500")
	1,740 LF	134	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")
	1,588 LF	264	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
	216 LF	204	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")
	180 LF	284	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.500")
	416 LF	36	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.500")
	4 EA	232	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.750")
		178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.750")
		64	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (72", 0.750")
		90	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (84", 0.750")
		5,702	LF	PIPE REMOVAL
		Lump Sum	LS	FINE GRADING
		65,300	SY	LIME TREATED SOIL (SLURRY METHOD)

			32	EA	GUARDRAIL END UNITS, TYPE CAT-1
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
660	TON	LIME FOR LIME TREATED SOIL	20	EA	GUARDRAIL END UNITS, TYPE TL-3
200	TON	#57 STONE	4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
10,450	CY	SHALLOW UNDERCUT	2,787	LF	REMOVE EXISTING GUARDRAIL
19,950	TON	CLASS IV SUBGRADE STABILIZATION	2,840	TON	RIP RAP, CLASS I
500	TON	STABILIZER AGGREGATE	1,050	TON	RIP RAP, CLASS II
23,262	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	230	TON	RIP RAP, CLASS A
48,600	TON	AGGREGATE BASE COURSE	4,700	TON	RIP RAP, CLASS B
65,300	SY	SOIL CEMENT BASE	12,240	SY	GEOTEXTILE FOR DRAINAGE
1,796	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	2,636	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
19,590	GAL	ASPHALT CURING SEAL	2	EA	SIGN ERECTION, TYPE D
2,000	TON	INCIDENTAL STONE BASE	126	EA	SIGN ERECTION, TYPE E
3,600	SY	INCIDENTAL MILLING	25	EA	SIGN ERECTION, TYPE F
12,710	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
28,120	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	63	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
1,980	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	4	EA	DISPOSAL OF SIGN SYSTEM, WOOD
21,750	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	1,065	SF	WORK ZONE SIGNS (STATIONARY)
3,360	TON	ASPHALT BINDER FOR PLANT MIX	288	SF	WORK ZONE SIGNS (PORTABLE)
2,611	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	422	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
271	EA	RIGHT-OF-WAY MARKERS	2	EA	FLASHING ARROW BOARD
19	EA	CONTROL-OF-ACCESS MARKERS	7	EA	PORTABLE CHANGEABLE MESSAGE SIGN
2,050	CY	SUBDRAIN EXCAVATION	250	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
6,100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	630	EA	DRUMS
1,025	CY	SUBDRAIN COARSE AGGREGATE	630	EA	CONES
6,100	LF	6" PERFORATED SUBDRAIN PIPE	336	LF	BARRICADES (TYPE III)
13	EA	SUBDRAIN PIPE OUTLET	440	DAY	FLAGGER
78	LF	6" OUTLET PIPE	5	EA	TEMPORARY CRASH CUSHIONS
20	TON	BLOTTING SAND	3	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
15	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	2,394	LF	PORTABLE CONCRETE BARRIER
41.2	CY	ENDWALLS	600	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
29.7	CY	REINFORCED ENDWALLS	930	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
9	CY	PIPE COLLARS	80	HR	LAW ENFORCEMENT
433	CY	FLOWABLE FILL	630	EA	SKINNY DRUM
283	EA	MASONRY DRAINAGE STRUCTURES	10,440	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
96	CY	MASONRY DRAINAGE STRUCTURES	11,735	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
81.2	LF	MASONRY DRAINAGE STRUCTURES	65,408	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
1	EA	FRAME WITH GRATE, STD 840.24	21,943	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
17	EA	FRAME WITH TWO GRATES, STD 840.16	141	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
67	EA	FRAME WITH TWO GRATES, STD 840.24	1,903	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
84	EA	FRAME WITH TWO GRATES, STD 840.29	16,834	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
23	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	501	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
40	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	1,335	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
37	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
17	EA	FRAME WITH COVER, STD 840.54	310	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	2,720	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
26	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	1,063	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
400	LF	***X*** CONCRETE CURB (9" X 12")	241	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (II)
2,210	LF	***,** CONCRETE CURB & GUTTER (2'-9")	4	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
25,200	LF	1'-6" CONCRETE CURB & GUTTER	595,785	LF	PAINT PAVEMENT MARKING LINES (4")
9,410	LF	2'-6" CONCRETE CURB & GUTTER	88,414	LF	PAINT PAVEMENT MARKING LINES (6")
5,790	LF	SHOULDER BERM GUTTER	13,182	LF	PAINT PAVEMENT MARKING LINES (8")
780	LF	CONCRETE EXPRESSWAY GUTTER	17,576	LF	PAINT PAVEMENT MARKING LINES (12")
4,140	SY	4" CONCRETE SIDEWALK	3,903	LF	PAINT PAVEMENT MARKING LINES (24")
30	EA	CONCRETE CURB RAMPS	24	EA	PAINT PAVEMENT MARKING CHARACTER
1,090	SY	6" CONCRETE DRIVEWAY	694	EA	PAINT PAVEMENT MARKING SYMBOL
190	SY	4" CONCRETE PAVED DITCH			
7,490	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
2,082	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED			
5	EA	ADJUSTMENT OF CATCH BASINS			
7,025	LF	STEEL BEAM GUARDRAIL			
925	LF	STEEL BEAM GUARDRAIL, SHOP CURVED			
10	EA	ADDITIONAL GUARDRAIL POSTS			

			160	LF	*** TEMPORARY PIPE (36")
			3,000	SY	FLOATING TURBIDITY CURTAIN
			2	EA	SPECIAL STILLING BASINS
			9,100	LF	COIR FIBER WATTLE
			190	LF	WATTLE BARRIER
			8,000	LB	POLYACRYLAMIDE (PAM)
			6,300	LF	COIR FIBER BAFFLE
			53	EA	*** SKIMMER (1-1/2")
			1	EA	*** SKIMMER (2")
			250	ACR	SEEDING & MULCHING
			250	ACR	MOWING
			4,350	LB	SEED FOR REPAIR SEEDING
			11.5	TON	FERTILIZER FOR REPAIR SEEDING
			7,175	LB	SEED FOR SUPPLEMENTAL SEEDING
			7,270	SY	SODDING
			135	M/G	WATER
			215.25	TON	FERTILIZER TOPDRESSING
			350	LF	IMPERVIOUS DIKE
			75	MHR	SPECIALIZED HAND MOWING
			100	EA	RESPONSE FOR EROSION CONTROL
			12	EA	CONCRETE WASHOUT STRUCTURE
			5	ACR	REFORESTATION
			150	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
			50	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
			40	EA	GENERIC EROSION CONTROL ITEM FLOCCULANT BLOCK
			5	ACR	GENERIC EROSION CONTROL ITEM COMPOST BLANKET
			16	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
			19,150	LF	SIGNAL CABLE
			90	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			15	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
			6	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
			15,600	LF	MESSENGER CABLE (1/4")
			2,950	LF	MESSENGER CABLE (3/8")
			7,600	LF	TRACER WIRE
			11,120	LF	UNPAVED TRENCHING (***** (1, 2"))
			310	LF	UNPAVED TRENCHING (***** (2, 2"))
			340	LF	UNPAVED TRENCHING (***** (3, 2"))
			2,860	LF	DIRECTIONAL DRILL (***** (2, 2"))
			38	EA	JUNCTION BOX (STANDARD SIZE)
			52	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
			16	EA	WOOD POLE
			69	EA	GUY ASSEMBLY
			4	EA	1" RISER WITH WEATHERHEAD
			12	EA	2" RISER WITH WEATHERHEAD
			10	EA	2" RISER WITH HEAT SHRINK TUBING
			7,400	LF	INDUCTIVE LOOP SAWCUT
			21,620	LF	LEAD-IN CABLE (***** (14-2))
			4	EA	SITE SURVEY
			23	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
			4	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
			1	EA	RELOCATE CAMERA SENSOR UNIT
			24,600	LF	COMMUNICATIONS CABLE (**FIBER) (24)
			700	LF	DROP CABLE
			6	EA	SPLICE ENCLOSURE
			6	EA	INTERCONNECT CENTER
			16	EA	DELINEATOR MARKER
			4	EA	METAL STRAIN SIGNAL POLE
			14	EA	METAL POLE WITH SINGLE MAST ARM
			2	EA	METAL POLE WITH DUAL MAST ARM
			20	EA	SOIL TEST
			160	CY	DRILLED PIER FOUNDATION
			16	EA	MAST ARM WITH METAL POLE DESIGN
			24	EA	SIGN FOR SIGNALS
			8	EA	TYPE II PEDESTAL WITH FOUNDATION
			6	EA	SIGNAL CABINET FOUNDATION
88,101	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
1,480	LF	REMOVAL OF PAVEMENT MARKING LINES (8")			
350	LF	REMOVAL OF PAVEMENT MARKING LINES (24")			
54	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS			
315	EA	PERMANENT RAISED PAVEMENT MARKERS			
1,960	EA	SNOWPLOWABLE PAVEMENT MARKERS			
3	EA	OBJECT MARKERS (END OF ROAD)			
Lump Sum	LS	PORTABLE LIGHTING			
389	LF	6" WATER LINE			
314	LF	8" WATER LINE			
98	LF	10" WATER LINE			
1,272	LF	12" WATER LINE			
23,951	LF	24" WATER LINE			
108,510	LB	DUCTILE IRON WATER PIPE FITTINGS			
28	EA	6" VALVE			
2	EA	8" VALVE			
2	EA	10" VALVE			
9	EA	12" VALVE			
15	EA	24" VALVE			
1	EA	6" TAPPING SLEEVE & VALVE			
23	EA	2" AIR RELEASE VALVE			
11	EA	RELOCATE WATER METER			
1	EA	RECONNECT WATER METER			
23	EA	RELOCATE FIRE HYDRANT			
182	LF	FIRE HYDRANT LEG			
2	EA	6" LINE STOP			
2	EA	8" LINE STOP			
1	EA	10" LINE STOP			
6	EA	12" LINE STOP			
752	LF	WATER SERVICE LINE			
80	LF	8" SANITARY GRAVITY SEWER			
161	LF	12" SANITARY GRAVITY SEWER			
325	LF	6" FORCE MAIN SEWER			
7,307	LF	8" FORCE MAIN SEWER			
19,311	LF	12" FORCE MAIN SEWER			
24,365	LB	DUCTILE IRON SEWER PIPE FITTINGS			
3	EA	4" DIA UTILITY MANHOLE			
16	EA	5" DIA UTILITY MANHOLE			
7	LF	UTILITY MANHOLE WALL 5' DIA			
220	LF	ABANDON 6" UTILITY PIPE			
7,653	LF	ABANDON 8" UTILITY PIPE			
58	LF	ABANDON 10" UTILITY PIPE			
43,111	LF	ABANDON 12" UTILITY PIPE			
2	EA	ABANDON UTILITY MANHOLE			
1	EA	REMOVE UTILITY MANHOLE			
270	LF	16" ENCASEMENT PIPE			
406	LF	24" ENCASEMENT PIPE			
1,157	LF	36" ENCASEMENT PIPE			
346	LF	BORE AND JACK OF *** (24")			
51	LF	BORE AND JACK OF *** (36")			
815	LF	DIRECTIONAL DRILLING OF *** (24")			
1	EA	GENERIC UTILITY ITEM 10" PLUG VALVE			
24	EA	GENERIC UTILITY ITEM 12" PLUG VALVE			
1	EA	GENERIC UTILITY ITEM 8" PLUG VALVE			
55,000	LF	TEMPORARY SILT FENCE			
5,100	TON	STONE FOR EROSION CONTROL, CLASS A			
9,000	TON	STONE FOR EROSION CONTROL, CLASS B			
7,350	TON	SEDIMENT CONTROL STONE			
400	ACR	TEMPORARY MULCHING			
18,000	LB	SEED FOR TEMPORARY SEEDING			
100	TON	FERTILIZER FOR TEMPORARY SEEDING			
6,000	LF	TEMPORARY SLOPE DRAINS			
3,000	LF	SAFETY FENCE			
30,500	CY	SILT EXCAVATION			
72,000	SY	MATTING FOR EROSION CONTROL			
650	SY	COIR FIBER MAT			
15,650	SY	PERMANENT SOIL REINFORCEMENT MAT			
9,200	LF	1/4" HARDWARE CLOTH			
925	SY	LOW PERMEABILITY GEOTEXTILE			



			421.4	CY	CLASS A CONCRETE (BRIDGE)
		Lump Sum	LS		BRIDGE APPROACH SLABS, STATION ***** (64+20.00 -L-)
6	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070E, BASE MOUNTED)	96,044	LB	REINFORCING STEEL (BRIDGE)
			12,290	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
46	EA	DETECTOR CARD (TYPE 170)	4,097.5	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
6	EA	CABINET BASE EXTENDER			
2	EA	METAL POLE FOUNDATION REMOVAL	40	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12 X 53)
2	EA	METAL POLE REMOVAL			
6	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	1,200	LF	HP12X53 STEEL PILES
30	EA	GENERIC SIGNAL ITEM JUNCTION BOX MARKER	733.67	LF	TWO BAR METAL RAIL
1	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES	748.67	LF	1'-**" X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
2	EA	GENERIC SIGNAL ITEM PROTECTIVE COAT FOR DUAL MAST ARM POLE (BLACK)	423.33	LF	1'-**" X ***** CONCRETE PARA- PET (1'-2" X 2'-8")
8	EA	GENERIC SIGNAL ITEM PROTECTIVE COAT FOR SIGNAL PEDESTAL (BLACK)	1,033	TON	RIP RAP CLASS II (2'-0" THICK)
			1,149	SY	GEOTEXTILE FOR DRAINAGE
14	EA	GENERIC SIGNAL ITEM PROTECTIVE COAT FOR SINGLE MAST ARM POLE (BLACK)	Lump Sum	LS	ELASTOMERIC BEARINGS

**CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (114+23.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (167+03.45 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (114+23.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (167+03.45 -L-)
610	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
948.4	CY	CLASS A CONCRETE (CULVERT)
161,058	LB	REINFORCING STEEL (CULVERT)
10,600	SF	GENERIC CULVERT ITEM TEMPORARY SHORING FOR RISER CONSTRUCTION

**WALL ITEMS**

54,652	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL SURFACE TREATMENT
6,822	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NW2
12,147	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NW2A
14,955	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NW3

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (64+20.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (64+20.00 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
108.5	LF	***" DIA DRILLED PIERS IN SOIL (4'-6")
144	LF	***" DIA DRILLED PIERS NOT IN SOIL (4'-6")
125.55	LF	PERMANENT STEEL CASING FOR ***" DIA DRILLED PIER (4'-6")
1	EA	SID INSPECTIONS
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (64+20.00 -L-)
36,378	SF	REINFORCED CONCRETE DECK SLAB
30,818	SF	GROOVING BRIDGE FLOORS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 005

CONTRACT ID : C204149 50162.3.1

DIV OFFICE WILSON

LENGTH = 3.141 MI

COUNTY : HALIFAX

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 8.0% COMPLETION DATE : MAR 30 2022

NC-125 FROM I-95 TO OLD FARM RD SOUTH; SR-1627 (THREE BRIDGE RD) FROM NC-125 TO PREMIER BLVD.

ROADWAY ITEMS					
			16,530	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			3,285	TON	ASPHALT BINDER FOR PLANT MIX
			580	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
Lump Sum	LS	MOBILIZATION	84	EA	RIGHT-OF-WAY MARKERS
Lump Sum	LS	CONSTRUCTION SURVEYING	649	CY	SUBDRAIN EXCAVATION
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM UTILITY COORDINATOR	2,895	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	487	CY	SUBDRAIN COARSE AGGREGATE
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2,895	LF	6" PERFORATED SUBDRAIN PIPE
37,400	CY	UNCLASSIFIED EXCAVATION	6	EA	SUBDRAIN PIPE OUTLET
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (99+17.60 -L1-)	36	LF	6" OUTLET PIPE
32,300	CY	UNDERCUT EXCAVATION	2	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
215,300	CY	BORROW EXCAVATION	19.9	CY	ENDWALLS
110	CY	DRAINAGE DITCH EXCAVATION	27	CY	REINFORCED ENDWALLS
3,070	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	0.4	CY	PIPE COLLARS
33,000	CY	SELECT GRANULAR MATERIAL	9	CY	FLOWABLE FILL
28,300	SY	GEOTEXTILE FOR SOIL STABILIZATION	166	EA	MASONRY DRAINAGE STRUCTURES
1,200	SF	TEMPORARY SHORING	53	CY	MASONRY DRAINAGE STRUCTURES
3,450	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	75	LF	MASONRY DRAINAGE STRUCTURES
10,830	SY	FOUNDATION CONDITIONING GEOTEXTILE	11	EA	FRAME WITH TWO GRATES, STD 840.16
28	LF	*** DRAINAGE PIPE (54")	17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
264	LF	*** DRAINAGE PIPE (60")	59	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
28	LF	12" DRAINAGE PIPE	93	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
632	LF	18" DRAINAGE PIPE	2	EA	FRAME WITH COVER, STD 840.54
340	LF	24" DRAINAGE PIPE	14	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
248	LF	30" DRAINAGE PIPE	3	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
108	LF	36" DRAINAGE PIPE	350	LF	**_*_*_* CONCRETE CURB & GUTTER (2'-9")
392	LF	42" DRAINAGE PIPE	11,600	LF	1'-6" CONCRETE CURB & GUTTER
56	LF	48" DRAINAGE PIPE	35,360	LF	2'-6" CONCRETE CURB & GUTTER
4	EA	*** DRAINAGE PIPE ELBOWS (18")	330	SY	4" CONCRETE SIDEWALK
204	LF	18" SIDE DRAIN PIPE	10	EA	CONCRETE CURB RAMPS
260	LF	24" SIDE DRAIN PIPE	1,480	SY	6" CONCRETE DRIVEWAY
1,184	LF	***** RC PIPE CULVERTS, CLASS IV (48")	690	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
516	LF	***** RC PIPE CULVERTS, CLASS IV (54")	3	EA	ADJUSTMENT OF CATCH BASINS
388	LF	***** RC PIPE CULVERTS, CLASS IV (60")	14	EA	ADJUSTMENT OF MANHOLES
12	LF	15" RC PIPE CULVERTS, CLASS IV	55	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
14,200	LF	18" RC PIPE CULVERTS, CLASS IV	2,450	LF	STEEL BEAM GUARDRAIL
2,932	LF	24" RC PIPE CULVERTS, CLASS IV	100	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
1,284	LF	30" RC PIPE CULVERTS, CLASS IV	5	EA	ADDITIONAL GUARDRAIL POSTS
700	LF	36" RC PIPE CULVERTS, CLASS IV	3	EA	GUARDRAIL END UNITS, TYPE CAT-1
244	LF	42" RC PIPE CULVERTS, CLASS IV	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
2	EA	*** PIPE END SECTION (18")	7	EA	GUARDRAIL END UNITS, TYPE TL-3
2,840	LF	PIPE REMOVAL	942	LF	REMOVE EXISTING GUARDRAIL
1	EA	PIPE CLEAN OUT	200	LF	WOVEN WIRE FENCE, 47" FABRIC
Lump Sum	LS	FINE GRADING	9	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
1,500	CY	SHALLOW UNDERCUT	10	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
2,500	TON	CLASS IV SUBGRADE STABILIZATION	65	LF	CHAIN LINK FENCE RESET
67	TON	AGGREGATE BASE COURSE	1,223	TON	RIP RAP, CLASS I
500	TON	INCIDENTAL STONE BASE	326	TON	RIP RAP, CLASS II
120	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	1,433	TON	RIP RAP, CLASS B
900	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	11,535	SY	GEOTEXTILE FOR DRAINAGE
1,520	SY	INCIDENTAL MILLING	7	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (D)
25,900	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	472	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
23,390	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			

90	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)	180	LF	FIRE HYDRANT LEG
1,395	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	1,189	LF	WATER SERVICE LINE
1	EA	SIGN ERECTION, TYPE D	205	LF	16" SANITARY GRAVITY SEWER
60	EA	SIGN ERECTION, TYPE E	202	LF	*** FORCE MAIN SEWER (2-3/4")
8	EA	SIGN ERECTION, TYPE F	12	LF	UTILITY MANHOLE WALL 4' DIA
10	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	198	LF	ABANDON *** UTILITY PIPE (15")
30	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	1,051	LF	ABANDON *** UTILITY PIPE (2")
3	EA	DISPOSAL OF SIGN SYSTEM, WOOD	190	LF	ABANDON *** UTILITY PIPE (2-3/4")
10	EA	DISPOSAL OF SUPPORT, U-CHANNEL	600	LF	ABANDON 8" UTILITY PIPE
376	SF	WORK ZONE SIGNS (STATIONARY)	6,313	LF	ABANDON 12" UTILITY PIPE
168	SF	WORK ZONE SIGNS (PORTABLE)	450	LF	ABANDON 16" UTILITY PIPE
202	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	6	EA	REMOVE FIRE HYDRANT
4	EA	FLASHING ARROW BOARD	1	EA	REMOVE UTILITY MANHOLE
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	514	LF	24" ENCASEMENT PIPE
340	EA	DRUMS	65	LF	30" ENCASEMENT PIPE
140	EA	CONES	436	LF	BORE AND JACK OF *** (24")
248	LF	BARRICADES (TYPE III)	1	EA	GENERIC UTILITY ITEM 12" INSERTION VALVE ASSEMBLY
105	DAY	FLAGGER	38,000	LF	TEMPORARY SILT FENCE
4	EA	TEMPORARY CRASH CUSHIONS	1,450	TON	STONE FOR EROSION CONTROL, CLASS A
2	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	5,880	TON	STONE FOR EROSION CONTROL, CLASS B
392	LF	PORTABLE CONCRETE BARRIER	5,785	TON	SEDIMENT CONTROL STONE
262	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	99	ACR	TEMPORARY MULCHING
216	LF	REMOVE & RESET PORTABLE CONC- RETE BARRIER (ANCHORED)	5,500	LB	SEED FOR TEMPORARY SEEDING
100	HR	LAW ENFORCEMENT	29	TON	FERTILIZER FOR TEMPORARY SEED- ING
4,179	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	2,500	LF	TEMPORARY SLOPE DRAINS
39,014	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	400	LF	SAFETY FENCE
359	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	23,250	CY	SILT EXCAVATION
2,054	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	83,800	SY	MATting FOR EROSION CONTROL
220	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	200	SY	COIR FIBER MAT
623	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	1,000	SY	PERMANENT SOIL REINFORCEMENT MAT
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	13,750	LF	1/4" HARDWARE CLOTH
147	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	300	SY	LOW PERMEABILITY GEOTEXTILE
127,308	LF	PAINT PAVEMENT MARKING LINES (4")	120	LF	*** TEMPORARY PIPE (42")
1,448	LF	PAINT PAVEMENT MARKING LINES (8")	23	EA	SPECIAL STILLING BASINS
1,040	LF	PAINT PAVEMENT MARKING LINES (24")	425	LB	POLYACRYLAMIDE (PAM)
16	EA	PAINT PAVEMENT MARKING CHARAC- TER	5,850	LF	COIR FIBER BAFFLE
126	EA	PAINT PAVEMENT MARKING SYMBOL	9	EA	*** SKIMMER (1-1/2")
1,972	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)	9	EA	*** SKIMMER (2")
21,977	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	2	EA	*** SKIMMER (2-1/2")
195	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	94	ACR	SEEDING & MULCHING
171	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	47	ACR	MOWING
26	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	1,050	LB	SEED FOR REPAIR SEEDING
770	EA	PERMANENT RAISED PAVEMENT MARKERS	3.5	TON	FERTILIZER FOR REPAIR SEEDING
6	EA	7" U-CHANNEL POSTS	2,250	LB	SEED FOR SUPPLEMENTAL SEEDING
3	EA	OBJECT MARKERS (END OF ROAD)	67	TON	FERTILIZER TOPDRESSING
3	EA	OBJECT MARKERS (TYPE **) (III)	176	LF	IMPERVIOUS DIKE
1,167	LF	8" WATER LINE	20	MHR	SPECIALIZED HAND MOWING
6,649	LF	12" WATER LINE	150	EA	RESPONSE FOR EROSION CONTROL
500	LF	16" WATER LINE	8	EA	CONCRETE WASHOUT STRUCTURE
13,020	LB	DUCTILE IRON WATER PIPE FITTINGS	110	CY	CULVERT DIVERSION CHANNEL
9	EA	8" VALVE	1	ACR	REFORESTATION
17	EA	12" VALVE	4,055	LF	SIGNAL CABLE
2	EA	16" VALVE	35	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1	EA	8" TAPPING SLEEVE & VALVE	1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
3	EA	2" BLOW OFF	1,435	LF	MESSENGER CABLE (3/8")
5	EA	RELOCATE WATER METER	3,060	LF	UNPAVED TRENCHING (***** (2, 2"))
10	EA	RECONNECT WATER METER	365	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
16	EA	FIRE HYDRANT	38	EA	JUNCTION BOX (STANDARD SIZE)
1	EA	RELOCATE FIRE HYDRANT	14	EA	WOOD POLE
			26	EA	GUY ASSEMBLY
			14	EA	1/2" RISER WITH WEATHERHEAD
			14	EA	1" RISER WITH WEATHERHEAD
			4,415	LF	INDUCTIVE LOOP SAWCUT
			11,325	LF	LEAD-IN CABLE (***** (14-2))
			1	EA	MODIFY RADIO INSTALLATION
			19	EA	SIGN FOR SIGNALS
			3	EA	SIGNAL CABINET FOUNDATION
			3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
			21	EA	DETECTOR CARD (TYPE 2070L)
			3	EA	CABINET BASE EXTENDER

1	EA	TRAFFIC SIGNAL REMOVAL
1	EA	GENERIC SIGNAL ITEM FIRESTATION PREEMPTION PUSH- BUTTON

### CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (84+52.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (84+52.00 -L-)
123	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
154	CY	CLASS A CONCRETE (CULVERT)
17,448	LB	REINFORCING STEEL (CULVERT)

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (99+17.60 -L1-)
186	LF	4'-0" DIA DRILLED PIERS IN SOIL
116	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
126	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
1	EA	PDA TESTING
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (99+17.60 -L1-)
23,682	SF	REINFORCED CONCRETE DECK SLAB
20,458	SF	GROOVING BRIDGE FLOORS
314.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (99+17.60 -L1-)
69,089	LB	REINFORCING STEEL (BRIDGE)
10,092	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,423.5	LF	54" PRESTRESSED CONCRETE GIR- DERS
16	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 73)
400	LF	HP14X73 STEEL PILES
16	EA	STEEL PILE POINTS
840.7	LF	TWO BAR METAL RAIL
427.9	LF	1'-**"X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
427.9	LF	1'-**"X ***** CONCRETE PARA- PET (1'-2" X 3"-3")
597	TON	RIP RAP CLASS II (2'-0" THICK)
663	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 006

CONTRACT ID : C204240 2020CPT.05.03.20351.1 DIV OFFICE DURHAM

LENGTH = 30.934 MI

COUNTY : FRANKLIN

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 8.0% COMPLETION DATE : NOV 15 2019

23 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
915	CY	BORROW EXCAVATION
54.77	SMI	GENERIC GRADING ITEM
		SHOULDER GRADING
1,460	TON	INCIDENTAL STONE BASE
3,045	TON	AGGREGATE SHOULDER BORROW
41,346	SY	MILLING ASPHALT PAVEMENT, ***"
		DEPTH
		(1-1/2")
10,710	SY	INCIDENTAL MILLING
32,955	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B
2,207	TON	ASPHALT BINDER FOR PLANT MIX
5,714	TON	PATCHING EXISTING PAVEMENT
3	EA	ADJUSTMENT OF METER BOXES OR
		VALVE BOXES
3,292	SF	WORK ZONE ADVANCE/GENERAL
		WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
297,031	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (4", 90 MILS)
291,324	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (4", 120 MILS)
153	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (8", 90 MILS)
243	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (12", 90 MILS)
92	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (24", 120 MILS)
9	EA	THERMOPLASTIC PAVEMENT MARKING
		SYMBOL (90 MILS)
1,124	LF	COLD APPLIED PLASTIC PAVEMENT
		MARKING LINES, TYPE ** (4")
		(II)
1,124	LF	REMOVAL OF PAVEMENT MARKING
		LINES (4")
1,330	LF	TEMPORARY SILT FENCE
3,370	LF	WATTLE
13.29	ACR	SEEDING & MULCHING

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 007

CONTRACT ID : C204250 2020CPT.05.04.20921.1 DIV OFFICE DURHAM

LENGTH = 40.440 MI

COUNTY : WAKE

MILLING, RESURFACING, SIGNALS, AND SHOULDER RECONSTRUCTION.

DBE GOAL 8.0% COMPLETION DATE : NOV 30 2019

## 91 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
465	CY	BORROW EXCAVATION
36.57	SMI	GENERIC GRADING ITEM SHOULDER GRADING
1,900	TON	INCIDENTAL STONE BASE
2,239	TON	AGGREGATE SHOULDER BORROW
323,992	SY	MILLING ASPHALT PAVEMENT, ****" DEPTH (1-1/2")
880	SY	MILLING ASPHALT PAVEMENT, ****" TO ***** (0" TO 1-1/2")
20,484	SY	INCIDENTAL MILLING
51,909	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,482	TON	ASPHALT BINDER FOR PLANT MIX
5,410	TON	PATCHING EXISTING PAVEMENT
10	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 2'-6" C & G
1	EA	ADJUSTMENT OF DROP INLETS
3	EA	ADJUSTMENT OF MANHOLES
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
4,749	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
120	HR	LAW ENFORCEMENT
229,238	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
243,324	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
3,477	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
311	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
2,245	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
153	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
1,904	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
48	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
213	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,725	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
124,106	LF	PAINT PAVEMENT MARKING LINES (4")
3,788	LF	PAINT PAVEMENT MARKING LINES (8")
2,645	LF	PAINT PAVEMENT MARKING LINES (12")
150	LF	PAINT PAVEMENT MARKING LINES (16")
1,684	LF	PAINT PAVEMENT MARKING LINES (24")
23	EA	PAINT PAVEMENT MARKING CHARAC- TER
198	EA	PAINT PAVEMENT MARKING SYMBOL
1,725	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
670	LF	TEMPORARY SILT FENCE
1,760	LF	WATTLE
6.75	ACR	SEEDING & MULCHING
4,596	LF	INDUCTIVE LOOP SAWCUT

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

L180918 008

CONTRACT ID : C204111 47160.3.1

DIV OFFICE GREENSBORO

LENGTH = 55.000 MI

COUNTY : ALAMANCE

COMPUTERIZED TRAFFIC SIGNAL SYSTEM.

DBE GOAL 0.0% COMPLETION DATE : AUG 15 2021

BURLINGTON - GRAHAM SIGNAL SYSTEM.

ROADWAY ITEMS					
			35,220	LF	REMOVE EXISTING COMMUNICATIONS CABLE
			10	EA	CABLE TRANSFER
			19	EA	SOIL TEST
			171	CY	DRILLED PIER FOUNDATION
			13	EA	SIGN FOR SIGNALS
			2	EA	TYPE I POST WITH FOUNDATION
			50	EA	SIGNAL CABINET FOUNDATION
			14	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION
			6	EA	MODIFY FOUNDATION FOR CONTROLLER CABINET
			133	EA	CONTROLLERS WITH CABINET (*****) (2070LX, 332)
			67	EA	CONTROLLERS WITH CABINET (*****) (2070LX, 336S)
			946	EA	DETECTOR CARD (*****) (MODEL 222)
			72	EA	CABINET BASE EXTENDER
			7	EA	CABINET BASE ADAPTER
			1	EA	METAL POLE FOUNDATION REMOVAL
			1	EA	METAL POLE REMOVAL
			2	EA	GENERIC SIGNAL ITEM 2.4 GHZ ETHERNET RADIO
			62	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE
			6	EA	GENERIC SIGNAL ITEM CCTV CABINET (336A)
			1	EA	GENERIC SIGNAL ITEM CCTV CABINET (NEMA)
			2	EA	GENERIC SIGNAL ITEM CCTV CABINET DISCONNECT
			40	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
			19	EA	GENERIC SIGNAL ITEM CCTV METAL POLE
			1	EA	GENERIC SIGNAL ITEM CCTV TEST CABINET
			3	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
			2	EA	GENERIC SIGNAL ITEM COMMUNICATIONS RACK
			4	EA	GENERIC SIGNAL ITEM COMPUTER WORKSTATION
			2	EA	GENERIC SIGNAL ITEM CONSOLES
			10	EA	GENERIC SIGNAL ITEM DIGITAL DISPLAY MONITOR
			4	EA	GENERIC SIGNAL ITEM DIGITAL DISPLAY MONITOR (RELOCATE)
			1	EA	GENERIC SIGNAL ITEM ETHERNET CORE SWITCH
			209	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
			1	EA	GENERIC SIGNAL ITEM FIREWALL
			1	EA	GENERIC SIGNAL ITEM FURNISH 2.4 GHZ ETHERNET RADIO
			10	EA	GENERIC SIGNAL ITEM FURNISH 2018 ENHANCED CONFLICT MONITOR
			2	EA	GENERIC SIGNAL ITEM FURNISH 2070 CONTROLLER TESTER
			10	EA	GENERIC SIGNAL ITEM FURNISH 2070LX CONTROLLER
			7	EA	GENERIC SIGNAL ITEM FURNISH 332 CABINET
			3	EA	GENERIC SIGNAL ITEM FURNISH 336S CABINET
			1	EA	GENERIC SIGNAL ITEM FURNISH CCTV CABINET
			1	EA	GENERIC SIGNAL ITEM FURNISH CCTV CAMERA ASSEMBLY
			2	EA	GENERIC SIGNAL ITEM FURNISH CONFLICT MONITOR TESTER
Lump Sum	LS	MOBILIZATION			
62	SY	4" CONCRETE SIDEWALK			
800	SF	WORK ZONE SIGNS (PORTABLE)			
72	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
4	EA	FLASHING ARROW BOARD			
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
150	EA	DRUMS			
150	EA	CONES			
50	LF	BARRICADES (TYPE III)			
600	DAY	FLAGGER			
4	EA	TMA			
500	HR	LAW ENFORCEMENT			
100	EA	SKINNY DRUM			
170	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
66	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
25	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
90	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
54	LF	REMOVAL OF PAVEMENT MARKING LINES (24")			
4	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
53,020	LF	SIGNAL CABLE			
285	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
97	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
8	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
2	EA	BACKPLATE			
4	EA	LOUVER			
47,895	LF	MESSENGER CABLE (1/4")			
5,637	LF	MESSENGER CABLE (3/8")			
52,120	LF	TRACER WIRE			
1,100	LF	DIRECTIONAL DRILL (*****) (1, 2")			
12,870	LF	DIRECTIONAL DRILL (*****) (2, 2")			
38	EA	JUNCTION BOX (*****) (SPECIAL-SIZED)			
86	EA	JUNCTION BOX (STANDARD SIZE)			
78	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
13	EA	WOOD POLE			
334	EA	GUY ASSEMBLY			
11	EA	*** RISER WITH ***** (1.25", HEAT SHRINK TUBING)			
77	EA	*** RISER WITH ***** (2", HEAT SHRINK TUBING)			
4	EA	1/2" RISER WITH WEATHERHEAD			
27	EA	1" RISER WITH WEATHERHEAD			
75	EA	2" RISER WITH WEATHERHEAD			
6,360	LF	INDUCTIVE LOOP SAWCUT			
66,985	LF	LEAD-IN CABLE (*****) (14-2)			
64,905	LF	COMMUNICATIONS CABLE (**FIBER) (12)			
139,430	LF	COMMUNICATIONS CABLE (**FIBER) (24)			
91,080	LF	COMMUNICATIONS CABLE (**FIBER) (36)			
38,830	LF	COMMUNICATIONS CABLE (**FIBER) (48)			
84,655	LF	DROP CABLE			
161	EA	SPLICE ENCLOSURE			
208	EA	INTERCONNECT CENTER			
3	EA	DELINEATOR MARKER			
10	EA	NEW ELECTRICAL SERVICE			

48	EA	GENERIC SIGNAL ITEM FURNISH DETECTOR CARD (MODEL 222)
11	EA	GENERIC SIGNAL ITEM FURNISH ETHERNET EDGE SWITCH
2	EA	GENERIC SIGNAL ITEM FURNISH FIBER-OPTIC POWER METER
4	EA	GENERIC SIGNAL ITEM FURNISH OPTICAL LIGHT GENERA- TOR
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO MONITOR
2	EA	GENERIC SIGNAL ITEM FURNISH VISUAL FAULT LOCATOR
63	EA	GENERIC SIGNAL ITEM GUY ASSEMBLY (AERIAL)
38	EA	GENERIC SIGNAL ITEM GUY ASSEMBLY (SIDEWALK)
130	EA	GENERIC SIGNAL ITEM HEAT SHRINK TUBING KIT
8	EA	GENERIC SIGNAL ITEM ITS SERVER
1	EA	GENERIC SIGNAL ITEM KVM SWITCH
8	EA	GENERIC SIGNAL ITEM LAPTOP COMPUTER
124	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE
1	EA	GENERIC SIGNAL ITEM MODIFY EXISTING SPLICE
1	EA	GENERIC SIGNAL ITEM NETWORK VIDEO RECORDER
3	EA	GENERIC SIGNAL ITEM PTZ JOYSTICK
3	EA	GENERIC SIGNAL ITEM SMALL FORM FACTOR COMPUTER
9	EA	GENERIC SIGNAL ITEM TERMINAL SPLICE CABINET
1	EA	GENERIC SIGNAL ITEM TYPE 332 TEST CONTROLLER WITH CABINET
1	EA	GENERIC SIGNAL ITEM TYPE 336 TEST CONTROLLER WITH CABINET
1	EA	GENERIC SIGNAL ITEM UPS (TCC)
1	EA	GENERIC SIGNAL ITEM WIRELESS ACCESS POINT
19	EA	GENERIC SIGNAL ITEM WORKSTATION MONITOR
Lump Sum	LS	GENERIC SIGNAL ITEM CCTV SOFTWARE (MODIFY)
Lump Sum	LS	GENERIC SIGNAL ITEM MAINTENANCE MANAGEMENT SYSTEM SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM NETWORK MANAGEMENT SOFTWARE (MODIFY)
Lump Sum	LS	GENERIC SIGNAL ITEM SIGNAL SYSTEM SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM SIGNAL TIMING DATABASE CONVER- SION SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM SYSTEM SUPPORT SOFTWARE & DEVICES
Lump Sum	LS	GENERIC SIGNAL ITEM TCC BUILDING MODIFICATIONS
Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING
Lump Sum	LS	GENERIC SIGNAL ITEM VIDEO MANAGEMENT SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM VIDEO WALL SOFTWARE
190	LF	GENERIC SIGNAL ITEM AERIAL CABLE PROTECTOR
2,660	LF	GENERIC SIGNAL ITEM BACK PULL FIBER-OPTIC CABLE
7,185	LF	GENERIC SIGNAL ITEM ETHERNET CABLE
405	LF	GENERIC SIGNAL ITEM SERVICE CONDUCTORS
75	LF	GENERIC SIGNAL ITEM UNDERGROUND CONDUIT (1, 1")
5,637	LF	GENERIC SIGNAL ITEM UNDERGROUND CONDUIT (1, 2")
9,100	LF	GENERIC SIGNAL ITEM UNDERGROUND CONDUIT (2, 2")



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 009

CONTRACT ID : C204226 2020CPT.10.01.10601 DIV OFFICE ALBEMARLE

LENGTH = 34.690 MI

COUNTY : MECKLENBURG, CABARRUS

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 10.0% COMPLETION DATE : MAY 31 2020

2 SECTIONS OF US-21, 1 SECTION OF US-29, 1 SECTION OF NC-51, 1 SECTION OF NC-115, AND 44 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS		295 TON	SEDIMENT CONTROL STONE
		862 LF	WATTLE
		36 LB	POLYACRYLAMIDE (PAM)
		2.5 ACR	SEEDING & MULCHING
Lump Sum	LS		MOBILIZATION
4,032	CY		BORROW EXCAVATION
1,140	TON		INCIDENTAL STONE BASE
54.54	SMI		SHOULDER RECONSTRUCTION
2,335	LF		DITCHING
96,213	SY		MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
71,158	SY		MILLING ASPHALT PAVEMENT, **** DEPTH (2")
5,106	SY		MILLING ASPHALT PAVEMENT, **** TO ***** (0 TO 1-1/2")
6,248	SY		MILLING ASPHALT PAVEMENT, **** TO ***** (0 TO 2")
3,024	SY		INCIDENTAL MILLING
1,353	TON		ASPHALT CONC BASE COURSE, TYPE B25.0C
4,748	TON		ASPHALT CONC SURFACE COURSE, TYPE S9.5B
185	TON		ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
49,419	TON		ASPHALT CONC SURFACE COURSE, TYPE S9.5C
3,180	TON		ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
3,601	TON		ASPHALT BINDER FOR PLANT MIX
3,443	TON		PATCHING EXISTING PAVEMENT
267,280	SY		ASPHALT SURFACE TREATMENT, MAT COAT, **** STONE (67)
93,490	GAL		EMULSION FOR ASPHALT SURFACE TREATMENT
55	EA		ADJUSTMENT OF MANHOLES
43	EA		ADJUSTMENT OF METER BOXES OR VALVE BOXES
3,762	SF		WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS		TEMPORARY TRAFFIC CONTROL
1,056	HR		LAW ENFORCEMENT
297,513	LF		THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
335,945	LF		THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
3,005	LF		THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
528	LF		THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1,273	LF		THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
200	LF		THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
4,041	LF		THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
109	EA		THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
346	EA		THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
183,355	LF		PAINT PAVEMENT MARKING LINES (4")
2,783	LF		PAINT PAVEMENT MARKING LINES (8")
100	LF		PAINT PAVEMENT MARKING LINES (12")
76	EA		PAINT PAVEMENT MARKING CHARAC- TER
239	EA		PAINT PAVEMENT MARKING SYMBOL
76	EA		PERMANENT RAISED PAVEMENT MARKERS
590	EA		SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS		PORTABLE LIGHTING
4,312	LF		TEMPORARY SILT FENCE
577	TON		STONE FOR EROSION CONTROL, CLASS B

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 010

CONTRACT ID : C204252 42376.3.1

DIV OFFICE ALBEMARLE

LENGTH = 1.163 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, PAVING, SIGNALS, RET WALLS &amp; STRUCTURE.

DBE GOAL 13.0% COMPLETION DATE : FEB 28 2022

I-77/SR-2136/US-21 DIVERGING DIAMOND INTERCHANGE IN HUNTERSVILLE.

ROADWAY ITEMS				
			3,135	TON ASPHALT BINDER FOR PLANT MIX
			700	TON ASPHALT PLANT MIX, PAVEMENT REPAIR
			740	SY GENERIC PAVING ITEM
				8" REINFORCED CONCRETE PAVEMENT
Lump Sum	LS	MOBILIZATION	99	EA GENERIC GRADING ITEM
Lump Sum	LS	CONSTRUCTION SURVEYING		RIGHT OF WAY MARKERS
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (26+20.73 -YEB-)	217	CY SUBDRAIN EXCAVATION
3,650	CY	UNDERCUT EXCAVATION	836	SY GEOTEXTILE FOR SUBSURFACE DRAINS
Lump Sum	LS	GRADING	34	CY SUBDRAIN FINE AGGREGATE
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	133	CY SUBDRAIN COARSE AGGREGATE
80	CY	DRAINAGE DITCH EXCAVATION	1,036	LF 6" PERFORATED SUBDRAIN PIPE
140	LF	BERM DITCH CONSTRUCTION	4	EA SUBDRAIN PIPE OUTLET
10	HR	PROOF ROLLING	24	LF 6" OUTLET PIPE
5,000	CY	SELECT GRANULAR MATERIAL	6	CY ENDWALLS
14,275	SY	GEOTEXTILE FOR SOIL STABILIZATION	7.3	CY PIPE COLLARS
267	SF	TEMPORARY SHORING	393	CY FLOWABLE FILL
2,405	TON	GENERIC GRADING ITEM	207	EA MASONRY DRAINAGE STRUCTURES
		FLY ASH HAULING AND DISPOSAL	140.2	LF MASONRY DRAINAGE STRUCTURES
100	TON	GENERIC GRADING ITEM	1	EA FRAME WITH GRATE, STD 840.22
		HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	34	EA FRAME WITH TWO GRATES, STD 840.16
1,765	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	7	EA FRAME WITH TWO GRATES, STD 840.22
6,410	SY	FOUNDATION CONDITIONING GEOTEXTILE	7	EA FRAME WITH TWO GRATES, STD 840.24
456	LF	**** RC PIPE CULVERTS, CLASS ***** (15", V)	6	EA FRAME WITH TWO GRATES, STD 840.29
1,316	LF	15" RC PIPE CULVERTS, CLASS III	19	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
768	LF	18" RC PIPE CULVERTS, CLASS III	57	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
568	LF	24" RC PIPE CULVERTS, CLASS III	63	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
272	LF	30" RC PIPE CULVERTS, CLASS III	19	EA FRAME WITH COVER, STD 840.54
604	LF	36" RC PIPE CULVERTS, CLASS III	5	EA CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
132	LF	48" RC PIPE CULVERTS, CLASS III	21	EA CONCRETE TRANSITIONAL SECTION FOR DROP INLET
80	LF	***** RC PIPE CULVERTS, CLASS IV (12")	130	LF ***X*** CONCRETE CURB (8" X 12")
5,280	LF	15" RC PIPE CULVERTS, CLASS IV	1,170	LF **L*** CONCRETE CURB & GUTTER (2'-0")
2,220	LF	18" RC PIPE CULVERTS, CLASS IV	5,875	LF 1'-6" CONCRETE CURB & GUTTER
536	LF	24" RC PIPE CULVERTS, CLASS IV	17,340	LF 2'-6" CONCRETE CURB & GUTTER
232	LF	30" RC PIPE CULVERTS, CLASS IV	1	EA MODIFIED CONCRETE FLUME
776	LF	36" RC PIPE CULVERTS, CLASS IV	9,610	SY 4" CONCRETE SIDEWALK
116	LF	15" CS PIPE CULVERTS, 0.064" THICK	88	EA CONCRETE CURB RAMPS
6	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	1,590	SY 6" CONCRETE DRIVEWAY
436	LF	GENERIC PIPE ITEM	475	SY 4" CONCRETE PAVED DITCH
		30" HDPE PIPE CULVERTS WITH WRAPPED JOINTS	1,560	SY 4" CONCRETE ISLAND COVER
1,488	LF	PIPE REMOVAL	1,780	SY 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
4,600	CY	SHALLOW UNDERCUT	840	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
9,750	TON	CLASS IV SUBGRADE STABILIZATION	130	SY GENERIC PAVING ITEM
1,852	TON	AGGREGATE BASE COURSE		PEDESTRIAN REFUGE ISLAND (PASS THRU)
200	TON	INCIDENTAL STONE BASE	1,390	LF GENERIC PAVING ITEM
1,311	GAL	PRIME COAT		1'-6" MODIFIED CONCRETE CURB & GUTTER
7,500	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	150	LF GENERIC PAVING ITEM
1,630	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")		2'-6" MODIFIED CONCRETE CURB & GUTTER
1,680	SY	INCIDENTAL MILLING	8	EA ADJUSTMENT OF CATCH BASINS
22,930	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	1	EA ADJUSTMENT OF DROP INLETS
20,015	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	16	EA ADJUSTMENT OF MANHOLES
19,010	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	11	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
			1	EA CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE
			1	EA CONVERT EXISTING DROP INLET TO CATCH BASIN

			9	EA	FLASHING ARROW BOARD	
			5	EA	PORTABLE CHANGEABLE MESSAGE SIGN	
			165	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	
			835	EA	DRUMS	
			50	EA	CONES	
			544	LF	BARRICADES (TYPE III)	
			108	LF	PEDESTRIAN CHANNELIZING DEVICES	
			180	DAY	FLAGGER	
			7	EA	TEMPORARY CRASH CUSHIONS	
			15	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	
			10	EA	TMA	
			1,720	LF	PORTABLE CONCRETE BARRIER	
			1,360	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	
			5,930	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER	
			1,220	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)	
			666	LF	WATER FILLED BARRIER	
			380	LF	REMOVE & RESET WATER FILLED BARRIER	
			85	HR	LAW ENFORCEMENT	
			50	EA	SKINNY DRUM	
			1,847	EA	TEMPORARY RAISED PAVEMENT MARKERS	
			40	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	
			510	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	
			117	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	
			225	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	
			73	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	
			1,812	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	
			3,670	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	
			566	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (II)	
			486	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (IV)	
			32	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (IV)	
			16	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)	
			232,739	LF	PAINT PAVEMENT MARKING LINES (4")	
			47,792	LF	PAINT PAVEMENT MARKING LINES (6")	
			22,135	LF	PAINT PAVEMENT MARKING LINES (8")	
			5,468	LF	PAINT PAVEMENT MARKING LINES (12")	
			4,110	LF	PAINT PAVEMENT MARKING LINES (24")	
			214	EA	PAINT PAVEMENT MARKING CHARACTER	
			840	EA	PAINT PAVEMENT MARKING SYMBOL	
			98,485	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	
			8,804	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	
			2,331	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	
			347	LF	REMOVAL OF PAVEMENT MARKING LINES (12")	
			1,296	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	
			312	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	
			600	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (12", 120MILS) (HRM)	
			2,153	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (12", 90MILS) (HRM)	
			6,002	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 120MILS) (HRM)	
			24,066	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (4", 120MILS) (HRM)	
5	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE				
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX				
1,150	LF	STEEL BEAM GUARDRAIL				
15	EA	ADDITIONAL GUARDRAIL POSTS				
4	EA	GUARDRAIL END UNITS, TYPE CAT-1				
4	EA	GUARDRAIL END UNITS, TYPE TL-3				
701	LF	REMOVE EXISTING GUARDRAIL				
883	LF	CHAIN LINK FENCE, 48" FABRIC				
74	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE				
14	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE				
585	LF	GENERIC FENCING ITEM CHAIN LINK FENCE				
750	LF	GENERIC FENCING ITEM HANDRAIL HUNTERSVILLE STANDARD DRAWING 700.1				
130	TON	RIP RAP, CLASS I				
133	TON	RIP RAP, CLASS B				
1,155	SY	GEOTEXTILE FOR DRAINAGE				
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON				
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS				
197	CY	OVERHEAD FOOTING				
2,832	LB	SUPPORTS, BREAKAWAY STEEL BEAM				
2,951.9	LF	SUPPORTS, 3-LB STEEL U-CHANNEL				
2	EA	SUPPORTS, BARRIER (SMALL)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (14+50 -RPB- LT)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (20+50 -Y-)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (24+50 -Y-)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (25+00 -RPD-)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (29+50 -Y- LT)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (32+75 -Y- LT)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (34+00 -Y-)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (43+00 -L-)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (47+50-L-LT)				
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (52+00 -L-)				
3	EA	SIGN ERECTION, TYPE D				
195	EA	SIGN ERECTION, TYPE E				
14	EA	SIGN ERECTION, TYPE F				
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)				
6	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)				
2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)				
3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)				
3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (F)				
16	EA	DISPOSAL OF SUPPORT, STEEL BEAM				
117	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL				
11	EA	DISPOSAL OF SUPPORT, U-CHANNEL				
1	EA	STOCKPILE SIGN, D, E OR F				
1,746	SF	WORK ZONE SIGNS (STATIONARY)				
1,765	SF	WORK ZONE SIGNS (PORTABLE)				
442	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)				

			1	EA	16" VALVE		
			2	EA	24" TAPPING SLEEVE & VALVE		
			1	EA	1" AIR RELEASE VALVE		
			1	EA	2" AIR RELEASE VALVE		
15,681	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (4", 90MILS) (HRM)	7	EA	*** WATER METER (1")		
6,756	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (6", 120MILS) (HRM)	7	EA	3/4" WATER METER		
			2	EA	1-1/2" WATER METER		
24,908	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (6", 90MILS) (HRM)	5	EA	2" WATER METER		
			4	EA	RELOCATE WATER METER		
			5	EA	RECONNECT WATER METER		
1,464	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (8", 120MILS) (HRM)	2	EA	RELOCATE *** RPZ BACKFLOW PRE- VENTION ASSEMBLY (1")		
3,730	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (8", 90MILS) (HRM)	1	EA	RELOCATE 2" RPZ BACKFLOW PRE- VENTION ASSEMBLY		
			7	EA	FIRE HYDRANT		
7	EA	GENERIC PAVEMENT MARKING ITEM IN LANE ROUTE SHIELDS	1	EA	RELOCATE FIRE HYDRANT		
1,389	EA	SNOWPLOWABLE PAVEMENT MARKERS	380	LF	FIRE HYDRANT LEG		
			2	EA	8" LINE STOP		
3	EA	7' U-CHANNEL POSTS	3	EA	10" LINE STOP		
3	EA	OBJECT MARKERS (END OF ROAD)	1	EA	12" LINE STOP		
28	CY	HIGH MOUNT FOUNDATIONS	258	LF	*** WATER SERVICE LINE (2")		
8	EA	LIGHT STANDARDS, TYPE MTLT ***** (45' SA, 15' ARM)	186	LF	*** WATER SERVICE LINE (4")		
6	EA	STANDARD FOUNDATION ***** (TYPE R1)	1,055	LF	WATER SERVICE LINE		
2	EA	STANDARD FOUNDATION ***** (TYPE R2)	1,618	LF	8" SANITARY GRAVITY SEWER		
385	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	122	LF	12" SANITARY GRAVITY SEWER		
			1	EA	SANITARY SEWER CLEAN-OUT		
400	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (2")	27	LF	SEWER SERVICE LINE		
			10	EA	4' DIA UTILITY MANHOLE		
430	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")	1	EA	5' DIA UTILITY MANHOLE		
			10	LF	UTILITY MANHOLE WALL 4' DIA		
310	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")	970	LF	ABANDON 6" UTILITY PIPE		
1,000	LF	** #8 W/G FEEDER CIRCUIT (2)	2,410	LF	ABANDON 8" UTILITY PIPE		
405	LF	** #6 W/G FEEDER CIRCUIT (2)	3,402	LF	ABANDON 10" UTILITY PIPE		
780	LF	** #4 W/G FEEDER CIRCUIT (2)	2,264	LF	ABANDON 12" UTILITY PIPE		
4,485	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	20	EA	REMOVE WATER METER		
			4	EA	REMOVE FIRE HYDRANT		
795	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	4	EA	ABANDON UTILITY MANHOLE		
1,075	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	3	EA	REMOVE UTILITY MANHOLE		
1	EA	ELECTRICAL JUNCTION BOXES ***** (CS36)	402	LF	*** ENCASMENT PIPE (48")		
3	EA	ELECTRICAL JUNCTION BOXES ***** (HM18)	10	LF	12" ENCASMENT PIPE		
4	EA	ELECTRICAL JUNCTION BOXES ***** (IG18)	125	LF	36" ENCASMENT PIPE		
4	EA	ELECTRICAL JUNCTION BOXES ***** (IG36)	402	LF	BORE AND JACK OF *** (48")		
8	EA	ELECTRICAL JUNCTION BOXES ***** (LS18)	1	EA	GENERIC UTILITY ITEM RECONNECT TO EXISTING 6" WATER LINE		
Lump Sum	LS	PORTABLE LIGHTING	Lump Sum	LS	GENERIC UTILITY ITEM TEMPORARY SANITARY SEWER BY- PASS PUMBING		
Lump Sum	LS	GENERIC LIGHTING ITEM LUMINAIRE STORAGE	Lump Sum	LS	GENERIC UTILITY ITEM TEMPORARY WATER SERVICE		
4	EA	GENERIC LIGHTING ITEM RELOCATE HIGH MOUNT LIGHT STANDARD	Lump Sum	LS	GENERIC UTILITY ITEM WATER LINE CONNECTION/ACTIVA- TION		
8	EA	GENERIC LIGHTING ITEM ROADWAY LIGHT STANDARD LUMINAIRE 185W LED	23,630	LF	TEMPORARY SILT FENCE		
8	EA	GENERIC LIGHTING ITEM SMART CONTROL NODE	1,275	TON	STONE FOR EROSION CONTROL, CLASS A		
62	LF	4" WATER LINE	1,750	TON	STONE FOR EROSION CONTROL, CLASS B		
287	LF	8" WATER LINE	3,330	TON	SEDIMENT CONTROL STONE		
20	LF	10" WATER LINE	50.5	ACR	TEMPORARY MULCHING		
3,765	LF	12" WATER LINE	2,700	LB	SEED FOR TEMPORARY SEEDING		
2,311	LF	16" WATER LINE	15.5	TON	FERTILIZER FOR TEMPORARY SEED- ING		
57	LF	24" WATER LINE	730	LF	TEMPORARY SLOPE DRAINS		
27,579	LB	DUCTILE IRON WATER PIPE FITTINGS	200	LF	SAFETY FENCE		
8	EA	6" VALVE	6,260	CY	SILT EXCAVATION		
3	EA	8" VALVE	22,475	SY	MATTING FOR EROSION CONTROL		
4	EA	12" VALVE	155	SY	COIR FIBER MAT		
			465	SY	PERMANENT SOIL REINFORCEMENT MAT		
			9,700	LF	1/4" HARDWARE CLOTH		
			40	LF	*** TEMPORARY PIPE (18")		
			50	LF	*** TEMPORARY PIPE (24")		
			3	EA	SPECIAL STILLING BASINS		
			160	LF	WATTLE		
			950	LF	COIR FIBER WATTLE		
			30	LF	COIR FIBER WATTLE BARRIER		
			470	LB	POLYACRYLAMIDE (PAM)		
			810	LF	COIR FIBER BAFFLE		
			8	EA	*** SKIMMER (1-1/2")		
			1	EA	*** SKIMMER (2")		

38	ACR	SEEDING & MULCHING
22.5	ACR	MOWING
550	LB	SEED FOR REPAIR SEEDING
1.5	TON	FERTILIZER FOR REPAIR SEEDING
950	LB	SEED FOR SUPPLEMENTAL SEEDING
28	TON	FERTILIZER TOPDRESSING
20	MHR	SPECIALIZED HAND MOWING
50	EA	RESPONSE FOR EROSION CONTROL
10	EA	CONCRETE WASHOUT STRUCTURE
43	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
35,000	LF	SIGNAL CABLE
143	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
8	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
3	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
700	LF	MESSENGER CABLE (1/4")
5,900	LF	MESSENGER CABLE (3/8")
9,000	LF	TRACER WIRE
4,900	LF	UNPAVED TRENCHING (***** (1, 2")
5,000	LF	UNPAVED TRENCHING (***** (2, 2")
50	LF	UNPAVED TRENCHING (***** (4, 2")
950	LF	DIRECTIONAL DRILL (***** (1, 2")
5,000	LF	DIRECTIONAL DRILL (***** (2, 2")
800	LF	DIRECTIONAL DRILL (***** (3, 2")
84	EA	JUNCTION BOX (STANDARD SIZE)
49	EA	JUNCTION BOX (OVER-SIZED, HEA-VY DUTY)
31	EA	WOOD POLE
34	EA	GUY ASSEMBLY
3	EA	1/2" RISER WITH WEATHERHEAD
22	EA	2" RISER WITH WEATHERHEAD
2	EA	2" RISER WITH HEAT SHRINK TUBING
9,500	LF	INDUCTIVE LOOP SAWCUT
38,000	LF	LEAD-IN CABLE (***** (14-2)
6	EA	SITE SURVEY
16	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
3	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
39	EA	RELOCATE CAMERA SENSOR UNIT
10,000	LF	COMMUNICATIONS CABLE (**FIBER) (24)
750	LF	DROP CABLE
10	EA	SPLICE ENCLOSURE
11	EA	INTERCONNECT CENTER
13	EA	DELINEATOR MARKER
1	EA	FURNISH WIRELESS RADIO MODEM
1	EA	FURNISH WIRELESS LIGHTNING ARRESTOR
11	EA	900MHZ SERIAL/ETHERNET SPREAD SPECTRUM RADIO
1	EA	GPS UNIT
18	EA	METAL STRAIN SIGNAL POLE
6	EA	METAL POLE WITH SINGLE MAST ARM
24	EA	SOIL TEST
144	CY	DRILLED PIER FOUNDATION
6	EA	MAST ARM WITH METAL POLE DESIGN
78	EA	SIGN FOR SIGNALS
22	EA	TYPE I POST WITH FOUNDATION
30	EA	TYPE II PEDESTAL WITH FOUNDATION
9	EA	SIGNAL CABINET FOUNDATION
9	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070E, BASE MOUNTED)
2	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070E, POLE MOUNTED)
54	EA	DETECTOR CARD (***** (TYPE 2070E)
9	EA	CABINET BASE EXTENDER
10	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
5	EA	GENERIC SIGNAL ITEM CONTROLLER (TYPE 2070E)

13	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
2	EA	GENERIC SIGNAL ITEM FURNISH ETHERNET EDGE SWITCH
14	EA	GENERIC SIGNAL ITEM REMOVE 900MHZ RADIO
4	EA	GENERIC SIGNAL ITEM REPLACE CONFLICT MONITOR
1,290	LF	CONCRETE BARRIER RAIL WITH MOMENT SLAB

**WALL ITEMS**

4,792.5	SF	SOLDIER PILE RETAINING WALLS
280	SF	CIP GRAVITY RETAINING WALLS

**STRUCTURE ITEMS**

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 26+20.73 -YEB-)
19,292	SF	REINFORCED CONCRETE DECK SLAB
19,495	SF	GROOVING BRIDGE FLOORS
341.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (26+20.73 -YEB-)
47,002	LB	REINFORCING STEEL (BRIDGE)
1,426	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
950,000	LS	APPROX ..... LBS STRUCTURAL STEEL
47	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 73)
2,960	LF	HP14X73 STEEL PILES
737.28	LF	TWO BAR METAL RAIL
371.3	LF	CONCRETE BARRIER RAIL
401.45	LF	1'***X ***** CONCRETE PARAPET (1'-2" X 2-6")
660	SY	4" SLOPE PROTECTION
Lump Sum	LS	DISC BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM REMOVE EXISTING BRIDGE RAIL
350.79	LF	GENERIC STRUCTURE ITEM ADHESIVELY ANCHORED 2'-6" CONCRETE PARAPET
350.83	LF	GENERIC STRUCTURE ITEM ADHESIVELY ANCHORED CONCRETE BARRIER RAIL
403.96	LF	GENERIC STRUCTURE ITEM ADHESIVELY ANCHORED VERTICAL CONCRETE RAIL

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L180918 011

CONTRACT ID : C204146 50442.3.1

DIV OFFICE ALBEMARLE

LENGTH = 12.816 MI

COUNTY : MECKLENBURG

PAVEMENT REHABILITATION AND STRUCTURES OVERLAY.

DBE GOAL 5.0% COMPLETION DATE : NOV 15 2019

I-485 FROM I-85 TO ROCKY RIVER ROAD.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	570	LF	INDUCTIVE LOOP SAWCUT
260	CY	BORROW EXCAVATION			
160	TON	INCIDENTAL STONE BASE			
2	SMI	SHOULDER RECONSTRUCTION			
162,284	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2')			
167,465	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3')	89,101	SF	GROOVING BRIDGE FLOORS
42,012	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	3	SY	CLASS II, SURFACE PREPARATION
3,043	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX	Lump Sum	LS	FOAM JOINT SEALS
1,460	TON	PATCHING EXISTING PAVEMENT	Lump Sum	LS	EXPANSION JOINT SEALS
12,442	TON	ULTRA-THIN BONDED WEARING COURSE	361.6	CY	GENERIC STRUCTURE ITEM PPC MATERIALS
105,812	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	3	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR PPC OVERLAY
1	EA	ADJUSTMENT OF MANHOLES	10,413	SY	GENERIC STRUCTURE ITEM PLACING AND FINISHING PPC OVER LAY
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	10,413	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
319	SF	WORK ZONE SIGNS (STATIONARY)	10,413	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
5	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS			
28	EA	WORK ZONE PRESENCE LIGHTING			
48	EA	SEQUENTIAL FLASHING WARNING LIGHTS			
310	HR	LAW ENFORCEMENT			
118	EA	GENERIC TRAFFIC CONTROL ITEM LANE CLOSURE			
21	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE			
232	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
68	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
78	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
2,608	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)			
442,922	LF	PAINT PAVEMENT MARKING LINES (6")			
1,093	LF	PAINT PAVEMENT MARKING LINES (8")			
17,266	LF	PAINT PAVEMENT MARKING LINES (12")			
158	LF	PAINT PAVEMENT MARKING LINES (24")			
100	EA	PAINT PAVEMENT MARKING CHARAC- TER			
102	EA	PAINT PAVEMENT MARKING SYMBOL			
2,700	LF	REMOVAL OF PAVEMENT MARKING LINES (6")			
102,183	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES, 6", 120 MILS (HRM)			
129,582	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES, 6", 90 MILS (HRM)			
10,157	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES, 12", 90 MILS (HRM)			
340	LF	GENERIC PAVEMENT MARKING ITEM COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II, (9")			
2,550	EA	SNOWPLOWABLE PAVEMENT MARKERS			
Lump Sum	LS	PORTABLE LIGHTING			
1,490	LF	TEMPORARY SILT FENCE			
220	TON	STONE FOR EROSION CONTROL, CLASS B			
148	TON	SEDIMENT CONTROL STONE			
288	LF	WATTLE			
18	LB	POLYACRYLAMIDE (PAM)			
1	ACR	SEEDING & MULCHING			

STRUCTURE ITEMS

89,101	SF	GROOVING BRIDGE FLOORS
3	SY	CLASS II, SURFACE PREPARATION
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS
361.6	CY	GENERIC STRUCTURE ITEM PPC MATERIALS
3	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR PPC OVERLAY
10,413	SY	GENERIC STRUCTURE ITEM PLACING AND FINISHING PPC OVER LAY
10,413	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
10,413	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180918 012

CONTRACT ID : C204130 17BP.14.R.154

DIV OFFICE SYLVA

LENGTH = 1.113 MI

COUNTY : MACON

GRADING, DRAINAGE, PAVING, SIGNAL, CULVERT, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : APR 30 2021

US-23/441 FROM US-64 TO SR-1652 (WIDE HORIZON DR)/SR-1152 (BELDEN CIR), &amp; BRIDGE NO. 314 OVER CARTOOGECHAYE CREEK.

ROADWAY ITEMS				
		9,610	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
		1,130	TON	ASPHALT BINDER FOR PLANT MIX
Lump Sum	LS MOBILIZATION	200	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
Lump Sum	LS CONSTRUCTION SURVEYING	67.2	CY	SUBDRAIN EXCAVATION
1	EA SEALING ABANDONED WELLS	200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
Lump Sum	LS TYPE II MODIFIED APPROACH FILL, STATION ***** (14+94.00 -L-)	33.6	CY	SUBDRAIN COARSE AGGREGATE
Lump Sum	LS GRADING	200	LF	6" PERFORATED SUBDRAIN PIPE
2	ACR SUPPLEMENTARY CLEARING & GRUBBING	1	EA	SUBDRAIN PIPE OUTLET
1,050	CY UNDERCUT EXCAVATION	6	LF	6" OUTLET PIPE
3,630	CY DRAINAGE DITCH EXCAVATION	3,148	CY	PIPE COLLARS
3,300	CY SELECT GRANULAR MATERIAL	0.13	CY	PIPE PLUGS
3,500	SY GEOTEXTILE FOR SOIL STABILIZATION	52	CY	FLOWABLE FILL
200	SF TEMPORARY SHORING	101	EA	MASONRY DRAINAGE STRUCTURES
200	SY ROCK PLATING	61.1	LF	MASONRY DRAINAGE STRUCTURES
130	SY REINFORCED SOIL SLOPES	25	EA	FRAME WITH TWO GRATES, STD 840.16
1,441	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	8	EA	FRAME WITH TWO GRATES, STD 840.24
5,114	SY FOUNDATION CONDITIONING GEOTEXTILE	4	EA	FRAME WITH TWO GRATES, STD 840.29
248	LF 15" DRAINAGE PIPE	10	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
28	LF 24" DRAINAGE PIPE	16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
112	LF 30" DRAINAGE PIPE	25	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
2	EA *** DRAINAGE PIPE ELBOWS (15")	18	EA	FRAME WITH COVER, STD 840.54
396	LF 15" RC PIPE CULVERTS, CLASS III	22	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
400	LF 18" RC PIPE CULVERTS, CLASS III	460	LF	***,*** CONCRETE CURB & GUTTER (2'-9")
40	LF 24" RC PIPE CULVERTS, CLASS III	2,800	LF	1'-6" CONCRETE CURB & GUTTER
88	LF 36" RC PIPE CULVERTS, CLASS III	11,560	LF	2'-6" CONCRETE CURB & GUTTER
608	LF 48" RC PIPE CULVERTS, CLASS III	48	LF	SHOULDER BERM GUTTER
92	LF ***** RC PIPE CULVERTS, CLASS IV (48")	1	EA	MODIFIED CONCRETE FLUME
2,528	LF 15" RC PIPE CULVERTS, CLASS IV	4,600	SY	4" CONCRETE SIDEWALK
376	LF 18" RC PIPE CULVERTS, CLASS IV	39	EA	CONCRETE CURB RAMPS
304	LF 24" RC PIPE CULVERTS, CLASS IV	714	SY	6" CONCRETE DRIVEWAY
544	LF 30" RC PIPE CULVERTS, CLASS IV	50	SY	4" CONCRETE PAVED DITCH
836	LF 36" RC PIPE CULVERTS, CLASS IV	1,600	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
388	LF 42" RC PIPE CULVERTS, CLASS IV	20	SY	*** MONOLITHIC CONCRETE MEDIAN (****) (5-1/2", KEYED IN)
36	LF 18" CS PIPE CULVERTS, 0.064" THICK	259	SY	GENERIC PAVING ITEM REINFORCED CONCRETE DRIVEWAY
12	LF 24" CS PIPE CULVERTS, 0.064" THICK	90	SY	GENERIC PAVING ITEM 8" CONCRETE DRIVEWAY
1	EA *** CS PIPE ELBOWS, ***** THICK (18", 0.064")	10	EA	ADJUSTMENT OF CATCH BASINS
106	LF GENERIC PIPE ITEM 15" CURED IN PLACE PIPE	4	EA	ADJUSTMENT OF MANHOLES
255	LF GENERIC PIPE ITEM 18" CURED IN PLACE PIPE	7	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
155	LF GENERIC PIPE ITEM 24" CURED IN PLACE PIPE	1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
185	LF GENERIC PIPE ITEM 30" CURED IN PLACE PIPE	2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
1,746	LF PIPE REMOVAL	2	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX
150	CY SHALLOW UNDERCUT	2,000	LF	STEEL BEAM GUARDRAIL
250	TON CLASS IV SUBGRADE STABILIZATION	112.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
516	TON AGGREGATE BASE COURSE	15	EA	ADDITIONAL GUARDRAIL POSTS
2,050	TON INCIDENTAL STONE BASE	1	EA	GUARDRAIL END UNITS, TYPE AT-1
175	GAL PRIME COAT	6	EA	GUARDRAIL END UNITS, TYPE CAT-1
2,590	SY MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	7	EA	GUARDRAIL ANCHOR UNITS, TYPE III
5,100	SY INCIDENTAL MILLING	6	EA	GUARDRAIL END UNITS, TYPE TL-3
7,050	TON ASPHALT CONC BASE COURSE, TYPE B25.0C	4	EA	GUARDRAIL END UNITS, TYPE TL-2
4,810	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	1,555	LF	REMOVE EXISTING GUARDRAIL

			1,420	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	
			2,313	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	
287.5	LF	TEMPORARY STEEL BEAM GUARDRAIL				
1	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)		265	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
161	EA	GENERIC GUARDRAIL ITEM GUARDRAIL POST CAPS		655	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
73	LF	CHAIN LINK FENCE, *** FABRIC (60")		36	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
382	LF	CHAIN LINK FENCE, 48" FABRIC		114	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
7	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (60")		52	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
32	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE		684	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
4	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (60")		46,348	LF	PAINT PAVEMENT MARKING LINES (4")
4	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE		5,877	LF	PAINT PAVEMENT MARKING LINES (8")
182	LF	GENERIC FENCING ITEM WALL MOUNTED PEDESTRIAN HANDRAIL		1,602	LF	PAINT PAVEMENT MARKING LINES (24")
1,176	TON	RIP RAP, CLASS I		16	EA	PAINT PAVEMENT MARKING CHARACTER
50	TON	RIP RAP, CLASS II		162	EA	PAINT PAVEMENT MARKING SYMBOL
332	TON	RIP RAP, CLASS B		343	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
5,083	SY	GEOTEXTILE FOR DRAINAGE		11	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
3	CY	REINFORCED CONCRETE SIGN FOUNDATIONS		1	EA	GENERIC PAVEMENT MARKING ITEM IN LANE ROUTE SHIELD
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS		4	EA	PERMANENT RAISED PAVEMENT MARKERS
49	CY	OVERHEAD FOOTING		874	EA	SNOWPLOWABLE PAVEMENT MARKERS
3,159	LB	SUPPORTS, BREAKAWAY STEEL BEAM		Lump Sum	LS	PORTABLE LIGHTING
415	LB	SUPPORTS, SIMPLE STEEL BEAM		20	LF	8" WATER LINE
2,250	LF	SUPPORTS, 3-LB STEEL U-CHANNEL		20	LF	10" WATER LINE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (13+25 -LPD-)		2,045	LF	12" WATER LINE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (69+00 -L-)		14,400	LB	DUCTILE IRON WATER PIPE FITTINGS
13	EA	SIGN ERECTION, TYPE D		4	EA	12" VALVE
118	EA	SIGN ERECTION, TYPE E		3	EA	*** TAPPING SLEEVE & VALVE (1")
13	EA	SIGN ERECTION, TYPE F		2	EA	** AIR RELEASE VALVE (12")
4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)		6	EA	RELOCATE WATER METER
1	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (A)		3	EA	FIRE HYDRANT
1	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (B)		1	EA	RELOCATE FIRE HYDRANT
2	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (D)		40	LF	FIRE HYDRANT LEG
2	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (E)		89	LF	WATER SERVICE LINE
2	EA	SIGN ERECTION, RELOCATE TYPE *** (GROUND MOUNTED) (F)		134	LF	4" SANITARY GRAVITY SEWER
1	EA	DISPOSAL OF SUPPORT, STEEL BEAM		1,503	LF	8" SANITARY GRAVITY SEWER
1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM		2,496	LF	12" SANITARY GRAVITY SEWER
80	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL		185	LF	16" SANITARY GRAVITY SEWER
1	EA	DISPOSAL OF SUPPORT, U-CHANNEL		4	EA	SANITARY SEWER CLEAN-OUT
1	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM ON SPAN WIRE		71	LF	SEWER SERVICE LINE
680	SF	WORK ZONE SIGNS (STATIONARY)		122	EA	4' DIA UTILITY MANHOLE
288	SF	WORK ZONE SIGNS (PORTABLE)		17	LF	UTILITY MANHOLE WALL 4' DIA
57	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)		376	LF	ABANDON 6" UTILITY PIPE
1	EA	FLASHING ARROW BOARD		947	LF	ABANDON 8" UTILITY PIPE
555	EA	DRUMS		1,673	LF	ABANDON 10" UTILITY PIPE
80	EA	CONES		2,168	LF	ABANDON 12" UTILITY PIPE
64	LF	BARRICADES (TYPE III)		124	LF	ABANDON 16" UTILITY PIPE
1	EA	TMA		14	EA	ABANDON UTILITY MANHOLE
32	HR	LAW ENFORCEMENT		90	LF	16" ENCASUREMENT PIPE
8	EA	TEMPORARY RAISED PAVEMENT MARKERS		89	LF	24" ENCASUREMENT PIPE
7,750	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)		90	LF	BORE AND JACK OF *** (16")
17,551	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)		89	LF	BORE AND JACK OF *** (24")
975	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)		Lump Sum	LS	GENERIC UTILITY ITEM TEMPORARY SANITARY SEWER BY-PASS PUMPING
419	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)		9,870	LF	TEMPORARY SILT FENCE
				760	TON	STONE FOR EROSION CONTROL, CLASS A
				1,205	TON	STONE FOR EROSION CONTROL, CLASS B
				1,475	TON	SEDIMENT CONTROL STONE
				9	ACR	TEMPORARY MULCHING
				700	LB	SEED FOR TEMPORARY SEEDING
				3.5	TON	FERTILIZER FOR TEMPORARY SEEDING
				400	LF	TEMPORARY SLOPE DRAINS
				400	LF	SAFETY FENCE
				1,090	CY	SILT EXCAVATION
				26,850	SY	MATTING FOR EROSION CONTROL
				1,510	SY	COIR FIBER MAT
				3,840	LF	1/4" HARDWARE CLOTH



**WALL ITEMS**

80	LF	*** TEMPORARY PIPE (18")	4,459	SF	SOLDIER PILE RETAINING WALLS
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9	EA	SPECIAL STILLING BASINS
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460	LF	COIR FIBER WATTLE
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350	LB	POLYACRYLAMIDE (PAM)
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45	LF	COIR FIBER BAFFLE
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10.5	ACR	SEEDING & MULCHING
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6.5	ACR	MOWING
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150	LB	SEED FOR REPAIR SEEDING
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0.5	TON	FERTILIZER FOR REPAIR SEEDING
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250	LB	SEED FOR SUPPLEMENTAL SEEDING
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5.75	TON	FERTILIZER TOPDRESSING
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300	LF	IMPERVIOUS DIKE
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20	MHR	SPECIALIZED HAND MOWING
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50	EA	RESPONSE FOR EROSION CONTROL
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13	EA	CONCRETE WASHOUT STRUCTURE
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5.1	ACR	REFORESTATION
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0.31	ACR	STREAMBANK REFORESTATION
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86	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
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43	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
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14	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
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13,955	LF	SIGNAL CABLE
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45	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
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10	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
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14	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
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1,085	LF	MESSENGER CABLE (3/8")
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3,015	LF	UNPAVED TRENCHING (***** (1, 2")
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1,905	LF	DIRECTIONAL DRILL (***** (2, 2")
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55	EA	JUNCTION BOX (STANDARD SIZE)
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4	EA	WOOD POLE
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7	EA	GUY ASSEMBLY
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5,200	LF	INDUCTIVE LOOP SAWCUT
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13,000	LF	LEAD-IN CABLE (***** (14-2)
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3	EA	SITE SURVEY
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12	EA	LUMINAIRE ARM FOR VIDEO SYSTEM
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12	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
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3	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
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9	EA	RELOCATE CAMERA SENSOR UNIT
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4	EA	900MHZ SERIAL SPREAD SPECTRUM RADIO
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16	EA	METAL POLE WITH SINGLE MAST ARM
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16	EA	SOIL TEST
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144	CY	DRILLED PIER FOUNDATION
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16	EA	MAST ARM WITH METAL POLE DESIGN
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18	EA	SIGN FOR SIGNALS
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14	EA	TYPE II PEDESTAL WITH FOUNDATION
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4	EA	SIGNAL CABINET FOUNDATION
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4	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070E, BASE MOUNTED)
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34	EA	DETECTOR CARD (TYPE 170)
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4	EA	CABINET BASE EXTENDER
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1	EA	METAL POLE FOUNDATION REMOVAL
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1	EA	METAL POLE REMOVAL
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**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (14+94.00 -L-)
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Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+94.00 -L-)
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Lump Sum	LS	ASBESTOS ASSESSMENT
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Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (14+94.00 -L-)
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43.7	CY	CLASS AA CONCRETE (BRIDGE)
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59.4	CY	CLASS A CONCRETE (BRIDGE)
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Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+94.00 -L-)
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10,862	LB	REINFORCING STEEL (BRIDGE)
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1,092	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
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14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
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980	LF	HP12X53 STEEL PILES
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92.2	LF	THREE BAR METAL RAIL
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100	LF	VERTICAL CONCRETE BARRIER RAIL
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285	TON	RIP RAP CLASS II (2'-0" THICK)
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320	SY	GEOTEXTILE FOR DRAINAGE
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Lump Sum	LS	ELASTOMERIC BEARINGS
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1,100	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
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**CULVERT ITEMS**

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (19+20.00 -L-)
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16	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
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41.7	CY	CLASS A CONCRETE (CULVERT)
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3,911	LB	REINFORCING STEEL (CULVERT)
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