



PAT McCRORY  
Governor

NICHOLAS J. TENNYSON  
Secretary

October 6, 2015

NOTICE TO: All Prequalified Contractors  
FROM: R. A. Garris, PE  
State Contract Officer  
SUBJECT: Raleigh Central Highway Letting

The Highway Letting broadcast of bid opening has changed to a new format. The new method is broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

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

Manual process:

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

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





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January 19, 2016

NOTICE TO: All Prequalified Contractors  
FROM: R. A. Garris, PE   
State Contract Officer  
SUBJECT: Asbestos Inspection Prior to Bridge Demolition

Effective with the February 16, 2016 letting, a new project special provision entitled *Asbestos Assessment for Bridge Demolition and Renovation* will be included in any contract containing a structure removal line item. A contract line item for payment of this work will also be included in the contract.

The United States Environmental Protection Agency (EPA) has provided clarification of the asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation as it applies to bridges, identifying them as regulated structures. As such, a thorough inspection is required for the presence of asbestos.

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



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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON NOVEMBER 15, 2016. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

1. THE BIDDER SHALL PURCHASE A PROPOSAL FOR EACH PROJECT FOR WHICH HE INTENDS TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID.

2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.

3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE  
<https://connect.ncdot.gov/letting/Pages/>.

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

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

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

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

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

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-707-6925), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 6.75% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "**N.C. DEPARTMENT OF TRANSPORTATION**".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS OCTOBER 18, 2016.  
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION  
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 14Jul2011)

## **REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE**

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

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

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

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	John W Rouse, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Collette, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Timothy M Little, PE	PO BOX 3165	WILSON	(252) 237-6164
00005	Joseph R Hopkins, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Gregory W Burns, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 487-0000
00008	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	Louis L Mitchell, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Mark E Stafford, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Ed Green, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

**Bid Letting Number** L161115

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C203801	34518.3.FR3	ASHE	3.979 MI	GRADING, DRAINAGE, PAVING, CULVERT, AND RETAINING WALLS.
*002	C203875	46478.3.1	TYRRELL, DARE	2.828 MI	BRIDGE REHABILITATION
**003	C203922	17BP.3.R.28	NEW HANOVER	0.170 MI	GRADING, DRAINAGE, PAVING, SIGNAL, AND CULVERT.
004	C203952	2017CPT.03.03.10711 ETC.	PENDER	25.680 MI	MILLING, RESURFACING, SHOULDER RECONSTRUCTION, AND GUARDRAIL
005	C203951	2017CPT.03.04.10311 ETC.	DUPLIN	52.094 MI	MILLING, RESURFACING, SHLD RECON, GUARDRAIL, AND SIGNALS.
006	C203802	46057.3.1	ROCKINGHAM	0.175 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
007	C203803	39010.3.2	CABARRUS	2.646 MI	GRADING, DRAINAGE, PAVING, SIGNALS, CULVERTS AND STRUCTURES.
008	C203916	44797.3.1	MECKLENBURG	3.971 MI	PAVEMENT AND BRIDGE REHABILITATION
009	C203948	2017CPT.13.01.10111 ETC.	BUNCOMBE	95.510 MI	WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

PLEASE NOTE:

\*C203875, TYRRELL & DARE COUNTIES, B-5936, 46478.3.1 HAS A MANDATORY PRE-BID CONFERENCE AT 10:00AM ON THURSDAY, NOVEMBER 3, 2016 AT THE CHIEF ENGINEER'S CONFERENCE ROOM, NCDOT EQUIPMENT AND MAINTENANCE FACILITY, 4809 BERYL RD, RALEIGH, NC 27606, (919) 733-2220.

\*\*C203922, NEW HANOVER COUNTY, 17BP.3.R.28 HAS A MANDATORY PRE-BID CONFERENCE AT 2:00PM ON TUESDAY, NOVEMBER 1, 2016 AT THE NCDOT DIVISION 3 TRAFFIC SERVICES CONFERENCE ROOM, 5504 BARBADOS BLVD, CASTLE HAYNE, NC 28429, (910) 251-2691 (DANIEL WAUGH).

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L161115 001

CONTRACT ID : C203801 34518.3.FR3

DIV OFFICE NORTH WILKESBORO

LENGTH = 3.979 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING, CULVERT, AND RETAINING WALLS.

DBE GOAL 9.0% COMPLETION DATE : DEC 28 2020

US-221 FROM NORTH OF SOUTH FORK NEW RIVER TO SOUTH OF NC-194.

ROADWAY ITEMS					
			2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
			1	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING	244	LF	***" CS STRUCTURAL PLATE PIPE, ** GAUGE (60", 8)
26	EA	SEALING ABANDONED WELLS	120	LF	***" CS STRUCTURAL PLATE PIPE, ** GAUGE (84", 1)
3,391,000	CY	UNCLASSIFIED EXCAVATION	46	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (15", 0.28")
1,000	CY	UNDERCUT EXCAVATION	42	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (18", 0.31")
1,080	CY	DRAINAGE DITCH EXCAVATION	327	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (24", 0.38")
1,400	LF	BERM DITCH CONSTRUCTION	121	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.47")
43,580	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	74	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.47")
5,020	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	82	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (60", 0.875")
50	HR	PROOF ROLLING	80	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (84", 1.0")
1,000	CY	SELECT GRANULAR MATERIAL	46	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.28")
9,400	SY	GEOTEXTILE FOR SOIL STABILIZATION	41	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.31")
22,500	SF	TEMPORARY SHORING	326	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.38")
4,040	SY	ROCK PLATING	121	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.47")
3,900	CY	GENERIC GRADING ITEM TOE BENCHING EXCAVATION	74	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.47")
100	TON	GENERIC GRADING ITEM STOCKPILING CONTAMINATED SOIL	82	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.875")
240	TON	SELECT MATERIAL, CLASS ***** (IV)	80	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (84", 1.0")
35,000	TON	SELECT MATERIAL, CLASS ***** (VII)	110	LF	GENERIC PIPE ITEM 6" DI PIPE (SPRING BOX)
2,360	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	225	LF	GENERIC PIPE ITEM 6" PVC PIPE CULVERTS (SPRING BOX)
7,400	SY	FOUNDATION CONDITIONING GEOTEXTILE	188	LF	GENERIC PIPE ITEM CENTRIFUGALLY CAST CONCRETE PIPE LINER (30" PIPE)
92	LF	*** SIDE DRAIN PIPE (30")	160	LF	GENERIC PIPE ITEM CENTRIFUGALLY CAST CONCRETE PIPE LINER (48" PIPE)
46	LF	*** SIDE DRAIN PIPE (36")	2,758	LF	PIPE REMOVAL
1,450	LF	15" SIDE DRAIN PIPE	Lump Sum	LS	FINE GRADING
1,405	LF	18" SIDE DRAIN PIPE	35,470	SY	LIME TREATED SOIL (SLURRY METHOD)
303	LF	24" SIDE DRAIN PIPE	360	TON	LIME FOR LIME TREATED SOIL
11	EA	*** SIDE DRAIN PIPE ELBOWS (15")	500	CY	SHALLOW UNDERCUT
15	EA	*** SIDE DRAIN PIPE ELBOWS (18")	200	TON	CLASS IV SUBGRADE STABILIZATION
5	EA	*** SIDE DRAIN PIPE ELBOWS (24")	250	TON	STABILIZER AGGREGATE
2	EA	*** SIDE DRAIN PIPE ELBOWS (36")	12,419	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
2,432	LF	15" RC PIPE CULVERTS, CLASS III	77,200	TON	AGGREGATE BASE COURSE
3,428	LF	18" RC PIPE CULVERTS, CLASS III	53,200	SY	SOIL CEMENT BASE
1,628	LF	24" RC PIPE CULVERTS, CLASS III	1,463	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
528	LF	30" RC PIPE CULVERTS, CLASS III	4,910	TON	INCIDENTAL STONE BASE
252	LF	36" RC PIPE CULVERTS, CLASS III	16,820	CY	SHOULDER BORROW
72	LF	42" RC PIPE CULVERTS, CLASS III	1,070	GAL	PRIME COAT
40	LF	48" RC PIPE CULVERTS, CLASS III			
496	LF	54" RC PIPE CULVERTS, CLASS III			
6,832	LF	15" RC PIPE CULVERTS, CLASS IV			
436	LF	18" RC PIPE CULVERTS, CLASS IV			
376	LF	24" RC PIPE CULVERTS, CLASS IV			
3	EA	*** PIPE END SECTION (15")			
208	LF	*** CS PIPE CULVERTS, ***** THICK (48", 1.09")			
94	LF	18" CS PIPE CULVERTS, 0.064" THICK			
16	LF	24" CS PIPE CULVERTS, 0.064" THICK			
124	LF	30" CS PIPE CULVERTS, 0.079" THICK			

				3	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
24,520	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		20	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
1,670	SY	INCIDENTAL MILLING		121	EA	GENERIC GUARDRAIL ITEM EXTRA LENGTH GUARDRAIL POST (8" STEEL)
22,730	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		38,380	LF	WOVEN WIRE FENCE, 47" FABRIC
37,440	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		2,330	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
31,440	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		770	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
3,180	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A		25	EA	METAL LINE POSTS FOR ** CHAIN LINK FENCE (96")
4,900	TON	ASPHALT BINDER FOR PLANT MIX		20	EA	METAL TERMINAL POSTS FOR ** CHAIN LINK FENCE (96")
1,250	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		500	LF	ADDITIONAL BARBED WIRE
840	CY	SUBDRAIN EXCAVATION		500	LF	GENERIC FENCING ITEM CHAIN LINK FENCE, 96" FABRIC
2,500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS		2,000	LF	GENERIC FENCING ITEM TEMPORARY 4 STRAND BARBED WIRE FENCE WITH POSTS
420	CY	SUBDRAIN COARSE AGGREGATE		1,937	TON	RIP RAP, CLASS I
2,500	LF	6" PERFORATED SUBDRAIN PIPE		20,820	SY	GEOTEXTILE FOR DRAINAGE
5	EA	SUBDRAIN PIPE OUTLET		15	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
30	LF	6" OUTLET PIPE		2,598	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
15	TON	BLOTTING SAND		133	EA	SIGN ERECTION, TYPE E
4	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		14	EA	SIGN ERECTION, TYPE F
8.7	CY	ENDWALLS		1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
24.1	CY	REINFORCED ENDWALLS		1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (F)
4,554	CY	PIPE COLLARS		31	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
0.09	CY	PIPE PLUGS		2	EA	DISPOSAL OF SUPPORT, U-CHANNEL
496	CY	FLOWABLE FILL		2,860	SF	WORK ZONE SIGNS (STATIONARY)
197	EA	MASONRY DRAINAGE STRUCTURES		720	SF	WORK ZONE SIGNS (PORTABLE)
48.8	CY	MASONRY DRAINAGE STRUCTURES		620	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
189.4	LF	MASONRY DRAINAGE STRUCTURES		2	EA	FLASHING ARROW BOARD
19	EA	FRAME WITH GRATE, STD 840.22		4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
11	EA	FRAME WITH TWO GRATES, STD 840.16		650	EA	DRUMS
74	EA	FRAME WITH TWO GRATES, STD 840.20		200	EA	CONES
76	EA	FRAME WITH TWO GRATES, STD 840.22		1,200	LF	BARRICADES (TYPE III)
2	EA	FRAME WITH TWO GRATES, STD 840.29		5,800	HR	FLAGGER
2	EA	FRAME WITH COVER, STD 840.54		5	EA	TEMPORARY CRASH CUSHIONS
54	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET		6	EA	RESET TEMPORARY CRASH CUSHION
5,040	LF	SHOULDER BERM GUTTER		3	EA	TMA
37,930	LF	*** CONCRETE GUTTER (2'-9")		1,800	LF	PORTABLE CONCRETE BARRIER
470	LF	CONCRETE EXPRESSWAY GUTTER		330	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
300	SY	4" CONCRETE PAVED DITCH		800	LF	RESET PORTABLE CONCRETE BARRIER
1,400	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)		110	EA	SKINNY DRUM
356.3	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		1,500	EA	TEMPORARY RAISED PAVEMENT MARKERS
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX		1,650	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 240 MILS)
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING DI TO 3GI		306	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING JB TO DI		202	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
3	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING TB2GI TO TBJB/SLAB		8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING TBJB TO TB2GI		52	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
12,825	LF	STEEL BM GUARDRAIL		408,000	LF	PAINT PAVEMENT MARKING LINES (4")
1,550	LF	STEEL BM GUARDRAIL, SHOP CURVED		7,600	LF	PAINT PAVEMENT MARKING LINES (8")
1	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS		2,300	LF	PAINT PAVEMENT MARKING LINES (24")
10	EA	ADDITIONAL GUARDRAIL POSTS		80	EA	PAINT PAVEMENT MARKING SYMBOL
6	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1		114,403	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
17	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1		5,036	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS)
25	EA	GUARDRAIL ANCHOR UNITS, TYPE 350		40,200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77		1,200	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
512.5	LF	REMOVE & RESET EXISTING GUARDRAIL		250	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
4,012.5	LF	REMOVE EXISTING GUARDRAIL		30	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
4,200	LF	TEMPORARY STEEL BM GUARDRAIL		902	EA	SNOWPLOWABLE PAVEMENT MARKERS
137.5	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)				
2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (AT-1)				

			4,870	SF	MSE RETAINING WALL NO **** (3)
			3,325	SF	SOIL NAIL RETAINING WALLS
			2	EA	SOIL NAIL VERIFICATION TESTS
			14	EA	SOIL NAIL PROOF TESTS
			4,500	DOL	CONTRACT TIME
80,000	LF	TEMPORARY SILT FENCE			
6,700	TON	STONE FOR EROSION CONTROL, CLASS A			
16,000	TON	STONE FOR EROSION CONTROL, CLASS B			
10,600	TON	SEDIMENT CONTROL STONE			
300	ACR	TEMPORARY MULCHING			
13,700	LB	SEED FOR TEMPORARY SEEDING			
69.5	TON	FERTILIZER FOR TEMPORARY SEED- ING			
9,500	LF	TEMPORARY SLOPE DRAINS			
2,000	LF	SAFETY FENCE			
80,350	CY	SILT EXCAVATION			
477,765	SY	MATting FOR EROSION CONTROL			
900	SY	COIR FIBER MAT			
3,750	SY	PERMANENT SOIL REINFORCEMENT MAT			
9,900	LF	1/4" HARDWARE CLOTH			
280	LF	*** TEMPORARY PIPE (15")			
2,780	LF	*** TEMPORARY PIPE (18")			
1,630	LF	*** TEMPORARY PIPE (24")			
600	LF	*** TEMPORARY PIPE (48")			
32	EA	SPECIAL STILLING BASINS			
200	LF	COIR FIBER WATTLE			
3,000	LB	POLYACRYLAMIDE (PAM)			
15,500	LF	COIR FIBER BAFFLE			
30	EA	*** SKIMMER (1-1/2")			
10	EA	*** SKIMMER (2")			
1	EA	*** SKIMMER (2-1/2")			
1	EA	*** SKIMMER (3")			
230	ACR	SEEDING & MULCHING			
120	ACR	MOWING			
2,900	LB	SEED FOR REPAIR SEEDING			
15.5	TON	FERTILIZER FOR REPAIR SEEDING			
5,500	LB	SEED FOR SUPPLEMENTAL SEEDING			
155	TON	FERTILIZER TOPDRESSING			
600	LF	IMPERVIOUS DIKE			
50	MHR	SPECIALIZED HAND MOWING			
160	EA	RESPONSE FOR EROSION CONTROL			
0.5	ACR	REFORESTATION			
0.1	ACR	STREAMBANK REFORESTATION			
24	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE			
120	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT			
30	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE			
23,420	LF	GENERIC EROSION CONTROL ITEM REINSTALLATION OF TEMPORARY PIPE FOR CLEAN WATER DIVERSION			

### CULVERT ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (374+56.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (374+56.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (374+56.00 -L-)
592	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
1,354.3	CY	CLASS A CONCRETE (CULVERT)
173,180	LB	REINFORCING STEEL (CULVERT)
Lump Sum	LS	GENERIC CULVERT ITEM ASBESTOS ASSESSMENT

### WALL ITEMS

935	SF	MSE RETAINING WALL NO **** (1)
14,365	SF	MSE RETAINING WALL NO **** (2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L161115 002

CONTRACT ID : C203875 46478.3.1

DIV OFFICE EDENTON

LENGTH = 2.828 MI

COUNTY : TYRRELL, DARE

BRIDGE REHABILITATION

WBE GOAL 1% COMPLETION DATE : NOV 30 2018

BRIDGE #7 OVER ALLIGATOR RIVER ON US-64.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
267	SY	INCIDENTAL MILLING
22.5	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1.5	TON	ASPHALT BINDER FOR PLANT MIX
604	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
104	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW BOARD
177	EA	DRUMS
116	LF	BARRICADES (TYPE III)
800	HR	FLAGGER
2	EA	TMA
400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
59,706	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
188	EA	PERMANENT RAISED PAVEMENT MARKERS

Lump Sum	LS	GENERIC STRUCTURE ITEM SIREN
Lump Sum	LS	GENERIC STRUCTURE ITEM STABILIZING MACHINERY
Lump Sum	LS	GENERIC STRUCTURE ITEM START UP & COMMISSIONING
Lump Sum	LS	GENERIC STRUCTURE ITEM SUBMARINE CABLE
Lump Sum	LS	GENERIC STRUCTURE ITEM SWITCHES AND RECEPTACLES
Lump Sum	LS	GENERIC STRUCTURE ITEM TURNING MACHINERY
Lump Sum	LS	GENERIC STRUCTURE ITEM UTIL SER. MED VOLT EQUIP. AUTO TRANSFER SWITCH & GENERATOR
Lump Sum	LS	GENERIC STRUCTURE ITEM WIRE AND CABLE
9,429	LF	GENERIC STRUCTURE ITEM BRIDGE JOINT REMOVAL
420	LF	GENERIC STRUCTURE ITEM INJECT AND SEAL CRACK
7,013.5	LF	GENERIC STRUCTURE ITEM PILE JACKETS
280	LF	GENERIC STRUCTURE ITEM PILE WRAP
438	LF	GENERIC STRUCTURE ITEM REJACKETS
9,489	LF	GENERIC STRUCTURE ITEM SILICONE JOINT SEALANT
80.4	CF	GENERIC STRUCTURE ITEM RESTORE SPALLED AREA - EPOXY
473	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY
387,507	SF	GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM - MECHANICALLY DISTRIBUTED

STRUCTURE ITEMS

42	GAL	GENERIC MISCELLANEOUS ITEM EPOXY MATERIAL
10	LB	REINFORCING STEEL (BRIDGE)
1,363.5	CF	SHOTCRETE REPAIRS
98.1	LF	EPOXY RESIN INJECTION
Lump Sum	LS	GENERIC STRUCTURE ITEM AUXILIARY OPERATING SYSTEM
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE CONTROL SYSTEM
Lump Sum	LS	GENERIC STRUCTURE ITEM CENTER WEDGE MACHINERY
Lump Sum	LS	GENERIC STRUCTURE ITEM CENTERING DEVICE MACHINERY
Lump Sum	LS	GENERIC STRUCTURE ITEM CONTROL HOUSE RENOVATIONS
Lump Sum	LS	GENERIC STRUCTURE ITEM DISCONNECT SWITCHES
Lump Sum	LS	GENERIC STRUCTURE ITEM DRY TYPE TRANSFORMER
Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL DEMOLITION
Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL REFURBISHING
Lump Sum	LS	GENERIC STRUCTURE ITEM END WEDGE MACHINERY
Lump Sum	LS	GENERIC STRUCTURE ITEM FIELD MEASURING
Lump Sum	LS	GENERIC STRUCTURE ITEM GROUNDING
Lump Sum	LS	GENERIC STRUCTURE ITEM HVAC UNIT
Lump Sum	LS	GENERIC STRUCTURE ITEM JUNCTION AND PULL BOXES
Lump Sum	LS	GENERIC STRUCTURE ITEM LIGHTING
Lump Sum	LS	GENERIC STRUCTURE ITEM MOTOR CONTROL CENTER
Lump Sum	LS	GENERIC STRUCTURE ITEM MOTORS
Lump Sum	LS	GENERIC STRUCTURE ITEM OPERATION & MAINT MANUALS, TRAINING & AS-BUILT DOCUMENTATION
Lump Sum	LS	GENERIC STRUCTURE ITEM PANELBOARD
Lump Sum	LS	GENERIC STRUCTURE ITEM RACEWAY

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L161115 003

CONTRACT ID : C203922 17BP.3.R.28

DIV OFFICE CASTLE HAYNE

LENGTH = 0.170 MI

COUNTY : NEW HANOVER

GRADING, DRAINAGE, PAVING, SIGNAL, AND CULVERT.

MBE GOAL 4.0% WBE 6.0% COMPLETION DATE : NOV 11 2018

INTERSECTION OF SR-1436/US-421 AND SR-1140 SOUTH OF WILLARD STREET.

ROADWAY ITEMS				
			6	EA SIGN ERECTION, TYPE F
			3	EA SIGN ERECTION, TYPE *** (OVERHEAD) (B)
Lump Sum	LS	MOBILIZATION	3	EA SIGN ERECTION, OVERLAY (OVERHEAD)
Lump Sum	LS	CONSTRUCTION SURVEYING	2	EA SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
150	CY	UNDERCUT EXCAVATION	1	EA SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
Lump Sum	LS	GRADING	6	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	3	EA DISPOSAL OF SUPPORT, U-CHANNEL
150	CY	SELECT GRANULAR MATERIAL	3	EA DISPOSAL OF SIGN, A OR B (OVERHEAD)
460	SF	TEMPORARY SHORING	3	EA DISPOSAL OF SIGN, OVERLAY (OVERHEAD)
210	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	1,204	SF WORK ZONE SIGNS (STATIONARY)
120	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	614	SF WORK ZONE SIGNS (PORTABLE)
360	SY	FOUNDATION CONDITIONING GEOTEXTILE	170	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
328	LF	15" RC PIPE CULVERTS, CLASS IV	2	EA FLASHING ARROW BOARD
80	LF	18" RC PIPE CULVERTS, CLASS IV	7	EA PORTABLE CHANGEABLE MESSAGE SIGN
44	LF	36" RC PIPE CULVERTS, CLASS IV	180	EA DRUMS
44	LF	*** CAA PIPE CULVERTS, ***** THICK (36", 0.064")	100	EA CONES
552	LF	GENERIC PIPE ITEM 15" DUCTILE IRON PIPE, CLASS 150 (SEALED)	400	LF BARRICADES (TYPE III)
76	LF	GENERIC PIPE ITEM 18" DUCTILE IRON PIPE, CLASS 150 (SEALED)	440	HR FLAGGER
60	LF	GENERIC PIPE ITEM 30" DUCTILE IRON PIPE, CLASS 150 (SEALED)	2	EA TEMPORARY CRASH CUSHIONS
17	EA	GENERIC PIPE ITEM BOOTS FOR SEALED STRUCTURE	4	EA RESET TEMPORARY CRASH CUSHION
392	LF	PIPE REMOVAL	1	EA TMA
500	TON	INCIDENTAL STONE BASE	260	LF PORTABLE CONCRETE BARRIER
440	SY	INCIDENTAL MILLING	310	LF PORTABLE CONCRETE BARRIER (ANCHORED)
814	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	90	LF RESET PORTABLE CONCRETE BARRIER
280	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	180	LF RESET PORTABLE CONCRETE BARRIER (ANCHORED)
451	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	90	LF WATER FILLED BARRIER
80	TON	ASPHALT BINDER FOR PLANT MIX	60	LF RESET WATER FILLED BARRIER
149	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	110	HR LAW ENFORCEMENT
12	EA	RIGHT OF WAY MARKERS	100	EA SKINNY DRUM
1	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	109	EA TEMPORARY RAISED PAVEMENT MARKERS
0.8	CY	PIPE COLLARS	814	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
11.2	CY	FLOWABLE FILL	4,038	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
22	EA	MASONRY DRAINAGE STRUCTURES	489	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
14	LF	MASONRY DRAINAGE STRUCTURES	240	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
2	EA	FRAME WITH TWO GRATES, STD 840.16	124	LF THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
11	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	8	EA THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	28	EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	22,478	LF PAINT PAVEMENT MARKING LINES (4")
4	EA	FRAME WITH COVER, STD 840.54	1,774	LF PAINT PAVEMENT MARKING LINES (8")
1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	326	LF PAINT PAVEMENT MARKING LINES (24")
2,510	LF	2'-6" CONCRETE CURB & GUTTER	16	EA PAINT PAVEMENT MARKING CHARACTER
630	SY	4" CONCRETE SIDEWALK	54	EA PAINT PAVEMENT MARKING SYMBOL
2	EA	CONCRETE CURB RAMP	5,604	LF REMOVAL OF PAVEMENT MARKING LINES (4")
180	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	372	LF REMOVAL OF PAVEMENT MARKING LINES (8")
2	EA	ADJUSTMENT OF MANHOLES	154	LF REMOVAL OF PAVEMENT MARKING LINES (24")
26	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (B)	16	EA REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
234	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	130	EA PERMANENT RAISED PAVEMENT MARKERS
5	EA	SIGN ERECTION, TYPE E	587	LF 16" WATER LINE

5	EA	16" VALVE
1	EA	RECONNECT WATER METER
217	LF	24" SANITARY GRAVITY SEWER
2	EA	4' DIA UTILITY MANHOLE
105	LF	ABANDON 18" UTILITY PIPE
142	LF	ABANDON 24" UTILITY PIPE
1	EA	REMOVE WATER METER
2	EA	ABANDON UTILITY MANHOLE
169	LF	30" ENCASMENT PIPE
100	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL
2,350	LF	TEMPORARY SILT FENCE
20	TON	STONE FOR EROSION CONTROL, CLASS A
5	TON	STONE FOR EROSION CONTROL, CLASS B
250	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
1,000	LF	SAFETY FENCE
20	CY	SILT EXCAVATION
1,100	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
1,015	LF	1/4" HARDWARE CLOTH
50	SY	FLOATING TURBIDITY CURTAIN
2	EA	SPECIAL STILLING BASINS
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
1.75	TON	FERTILIZER TOPDRESSING
200	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL
1	ACR	REFORESTATION
1	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
2,450	LF	SIGNAL CABLE
18	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
2	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
390	LF	MESSENGER CABLE (1/4")
600	LF	MESSENGER CABLE (3/8")
140	LF	PAVED TRENCHING (***** (1, 2")
720	LF	UNPAVED TRENCHING (***** (1, 2")
160	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
11	EA	JUNCTION BOX (STANDARD SIZE)
1	EA	WOOD POLE
7	EA	GUY ASSEMBLY
8	EA	2" RISER WITH WEATHERHEAD
2,950	LF	INDUCTIVE LOOP SAWCUT
6,000	LF	LEAD-IN CABLE (***** (14-2)
4	EA	SIGN FOR SIGNALS
4	EA	RELOCATE EXISTING SIGN
1	EA	DETECTOR CARD (TYPE 2070L)

### CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+60.69 -L-)
546	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
788.69	CY	CLASS A CONCRETE (CULVERT)
126,435	LB	REINFORCING STEEL (CULVERT)
145	LF	***** GALVANIZED STEEL PIPE RAIL (1-1/2")
31	TON	RIP RAP CLASS II (2'-0" THICK)
28	SY	GEOTEXTILE FOR DRAINAGE



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L161115 005

CONTRACT ID : C203951 2017CPT.03.04.10311 DIV OFFICE CASTLE HAYNE  
 COUNTY : DUPLIN

LENGTH = 52.094 MI

MILLING, RESURFACING, SHLD RECON, GUARDRAIL, AND SIGNALS.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE : DEC 01 2017

1 SECTION EACH OF US-117 & US-117/NC-50, AND 10 SECTIONS OF SECONDARY ROADS.

		ROADWAY ITEMS			
				867	LF PAINT PAVEMENT MARKING LINES (24")
				22	EA PAINT PAVEMENT MARKING CHARACTER
				324	EA PAINT PAVEMENT MARKING SYMBOL
Lump Sum	LS	MOBILIZATION		1,216	LF POLYUREA PAVEMENT MARKING LINES (4", *****)
2,002	CY	BORROW EXCAVATION			(HIGHLY REFLECTIVE ELEMENTS)
300	TON	INCIDENTAL STONE BASE		1,216	LF REMOVAL OF PAVEMENT MARKING LINES (4")
100.06	SMI	SHOULDER RECONSTRUCTION		2,615	EA PERMANENT RAISED PAVEMENT MARKERS
894	SY	INCIDENTAL MILLING		1,606	EA SNOWFLOWABLE PAVEMENT MARKERS
84,057	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		5,123	LF TEMPORARY SILT FENCE
313	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)		1,281	TON STONE FOR EROSION CONTROL, CLASS B
5,116	TON	ASPHALT BINDER FOR PLANT MIX		1,281	TON SEDIMENT CONTROL STONE
1,000	TON	GENERIC PAVING ITEM ASPHALT FOR PAVEMENT INTERLAYER (SA-1)		37.21	ACR TEMPORARY MULCHING
150	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)		2,564	LB SEED FOR TEMPORARY SEEDING
891	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)		14.88	TON FERTILIZER FOR TEMPORARY SEEDING
184,504	SY	GENERIC PAVING ITEM FINE MILLING ASPHALT PAVEMENT (1-1/2")		360	SY MATTING FOR EROSION CONTROL
92,790	SY	GENERIC PAVING ITEM FINE MILLING ASPHALT PAVEMENT (3")		2,476	LF 1/4" HARDWARE CLOTH
256,650	SY	GENERIC PAVING ITEM PAVEMENT INTERLAYER		820	LF WATTLE
1	EA	RETROFIT EXISTING CURB RAMP		37.21	ACR SEEDING & MULCHING
10	SY	GENERIC PAVING ITEM REMOVE & REPLACE 4" SIDEWALK		2,564	LB SEED FOR REPAIR SEEDING
120	LF	GENERIC PAVING ITEM REMOVE & REPLACE 2'-6" C&G		12.78	TON FERTILIZER FOR REPAIR SEEDING
1	EA	GENERIC PAVING ITEM ADJUSTMENT OF MONUMENTS		26	EA RESPONSE FOR EROSION CONTROL
41	EA	GENERIC PAVING ITEM REMOVE & REPLACE CURB RAMPS		390	LF UNPAVED TRENCHING (*****)
5	EA	ADJUSTMENT OF DROP INLETS			(1, 2")
37	EA	ADJUSTMENT OF MANHOLES		10	EA JUNCTION BOX (STANDARD SIZE)
39	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES		2,730	LF INDUCTIVE LOOP SAWCUT
5	EA	ADDITIONAL GUARDRAIL POSTS		6,670	LF LEAD-IN CABLE (*****)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			(14-2)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
2	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83			
350	LF	GENERIC GUARDRAIL ITEM REMOVE & REPLACE EXISTING GUARDRAIL			
5,616	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING			
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			
80	HR	LAW ENFORCEMENT			
538,833	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
374,622	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
840	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
620	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
1,025	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)			
574	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
22	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
176	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
278,425	LF	PAINT PAVEMENT MARKING LINES (4")			
175	LF	PAINT PAVEMENT MARKING LINES (12")			
150	LF	PAINT PAVEMENT MARKING LINES (16")			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L161115 006

CONTRACT ID : C203802 46057.3.1

DIV OFFICE GREENSBORO

LENGTH = 0.175 MI

COUNTY : ROCKINGHAM

GRADING, DRAINAGE, PAVING, & STRUCTURE.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #169 OVER CASCADE CREEK ON US-311/NC-770.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (16+60 +/- -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
350	CY	UNDERCUT EXCAVATION
30	CY	DRAINAGE DITCH EXCAVATION
150	CY	SELECT GRANULAR MATERIAL
250	SY	GEOTEXTILE FOR SOIL STABILIZATION
660	SF	TEMPORARY SHORING
30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
100	SY	FOUNDATION CONDITIONING GEOTEXTILE
32	LF	15" DRAINAGE PIPE
96	LF	30" DRAINAGE PIPE
40	LF	15" SIDE DRAIN PIPE
104	LF	24" RC PIPE CULVERTS, CLASS IV
177	LF	PIPE REMOVAL
100	CY	SHALLOW UNDERCUT
200	TON	CLASS IV SUBGRADE STABILIZATION
685	TON	AGGREGATE BASE COURSE
100	TON	INCIDENTAL STONE BASE
550	GAL	PRIME COAT
400	SY	INCIDENTAL MILLING
150	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
160	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
510	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
45	TON	ASPHALT BINDER FOR PLANT MIX
40	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
45	LF	SHOULDER BERM GUTTER
50	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
50	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
720	LF	TEMP *** WOVEN WIRE FENCE, COMPLETE W/POSTS (48")
15	TON	RIP RAP, CLASS II
45	TON	RIP RAP, CLASS B
700	SY	GEOTEXTILE FOR DRAINAGE
15	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
6	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2	EA	DISPOSAL OF SUPPORT, U-CHANNEL
88	SF	WORK ZONE SIGNS (STATIONARY)
112	SF	WORK ZONE SIGNS (PORTABLE)
36	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
100	EA	DRUMS
50	EA	CONES
48	LF	BARRICADES (TYPE III)
1,440	HR	FLAGGER

92	EA	TEMPORARY RAISED PAVEMENT MARKERS
1,990	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,990	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
292	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
7,385	LF	PAINT PAVEMENT MARKING LINES (4")
13	EA	SNOWFLOWABLE PAVEMENT MARKERS
1,600	LF	TEMPORARY SILT FENCE
150	TON	STONE FOR EROSION CONTROL, CLASS A
240	TON	STONE FOR EROSION CONTROL, CLASS B
170	TON	SEDIMENT CONTROL STONE
2	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
2	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
330	CY	SILT EXCAVATION
4,730	SY	MATTING FOR EROSION CONTROL
250	SY	COIR FIBER MAT
200	SY	PERMANENT SOIL REINFORCEMENT MAT
325	LF	1/4" HARDWARE CLOTH
2	EA	SPECIAL STILLING BASINS
200	LF	WATTLE
90	LB	POLYACRYLAMIDE (PAM)
130	LF	COIR FIBER BAFFLE
2	EA	*** SKIMMER (1-1/2")
2	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.25	TON	FERTILIZER TOPDRESSING
135	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL
0.25	ACR	REFORESTATION
3	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (16+60.00-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+60.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+60.00-L-)
66	LF	PILE EXCAVATION IN SOIL
74	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+60.00-L-)
2,135	SF	CONCRETE WEARING SURFACE
2,531	SF	GROOVING BRIDGE FLOORS
43.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+60.00-L-)
5,176	LB	REINFORCING STEEL (BRIDGE)
140	LF	HP12X53 STEEL PILES
14	EA	STEEL PILE POINTS

125	LF	TWO BAR METAL RAIL
140	LF	1'-***"X ***** CONCRETE PARA- PET (1'-2" X 2'-11 1/4")
380	TON	RIP RAP CLASS II (2'-0" THICK)
420	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
770	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L161115 007

CONTRACT ID : C203803 39010.3.2

DIV OFFICE ALBEMARLE

LENGTH = 2.646 MI

COUNTY : CABARRUS

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

MBE GOAL 5.0% WBE 6.0% COMPLETION DATE : MAY 13 2020

NC-3 FROM PROPOSED WEST SIDE BYPASS TO SR-1691 (LOOP ROAD) IN KANNAPOLIS.

ROADWAY ITEMS					
			1	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
			1	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")
			1	EA	*** CS PIPE ELBOWS, ***** THICK (48", 0.109")
			112	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.1094")
			96	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.1094")
			48	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.1094")
			112	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.1094")
			96	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.1094")
			48	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.1094")
			3,924	LF	PIPE REMOVAL
			35,840	SY	LIME TREATED SOIL (SLURRY METHOD)
			360	TON	LIME FOR LIME TREATED SOIL
			4,000	CY	SHALLOW UNDERCUT
			8,000	TON	CLASS IV SUBGRADE STABILIZATION
			500	TON	STABILIZER AGGREGATE
			6,430	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
			53,760	SY	SOIL CEMENT BASE
			1,479	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
			13,440	GAL	ASPHALT CURING SEAL
			2,000	TON	INCIDENTAL STONE BASE
			6,720	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (3")
			2,000	SY	INCIDENTAL MILLING
			26,400	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE H19.0B
			23,800	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			2,500	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
			400	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (6")
			660	SY	GENERIC PAVING ITEM 12" JOINTED CONCRETE TRUCK APRON (TINTED)
			2,238	CY	SUBDRAIN EXCAVATION
			6,660	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
			1,119	CY	SUBDRAIN COARSE AGGREGATE
			3,360	LF	4" PERFORATED SUBDRAIN PIPE
			3,300	LF	6" PERFORATED SUBDRAIN PIPE
			14	EA	SUBDRAIN PIPE OUTLET
			42	LF	4" OUTLET PIPE
			42	LF	6" OUTLET PIPE
			15	TON	BLOTTING SAND
			47	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
			21.7	CY	ENDWALLS
			14.3	CY	REINFORCED ENDWALLS
			1.292	CY	PIPE COLLARS
			0.145	CY	PIPE PLUGS
			164	CY	FLOWABLE FILL
			259	EA	MASONRY DRAINAGE STRUCTURES
			21,944	CY	MASONRY DRAINAGE STRUCTURES
			184.6	LF	MASONRY DRAINAGE STRUCTURES
			56	EA	FRAME WITH TWO GRATES, STD 840.16
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
	2	ACR			SUPPLEMENTARY CLEARING & GRUBBING
	1	EA			SEALING ABANDONED WELLS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (68+25.60 -L- LT)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (68+25.60 -L- RT)			
	2,500	CY			UNDERCUT EXCAVATION
	3,680	CY			DRAINAGE DITCH EXCAVATION
	2,430	LF			BERM DITCH CONSTRUCTION
	67,160	SY			REMOVAL OF EXISTING ASPHALT PAVEMENT
	3,480	SY			BREAKING OF EXISTING ASPHALT PAVEMENT
	26	HR			PROOF ROLLING
	2,500	CY			SELECT GRANULAR MATERIAL
	18,000	SY			GEOTEXTILE FOR SOIL STABILIZATION
	6.250	SF			TEMPORARY SHORING
	180	TON			GENERIC GRADING ITEM LANDFILL DEBRIS HAULING AND DISPOSAL
	234	TON			GENERIC GRADING ITEM PETROLEUM CONTAMINATED SOIL HAULING AND DISPOSAL
	2,270	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
	13,820	SY			FOUNDATION CONDITIONING GEOTEXTILE
	6,684	LF			15" DRAINAGE PIPE
	2,540	LF			18" DRAINAGE PIPE
	4,156	LF			24" DRAINAGE PIPE
	904	LF			30" DRAINAGE PIPE
	2,484	LF			36" DRAINAGE PIPE
	80	LF			42" DRAINAGE PIPE
	476	LF			48" DRAINAGE PIPE
	324	LF			15" SIDE DRAIN PIPE
	8	LF			12" RC PIPE CULVERTS, CLASS III
	8	LF			24" RC PIPE CULVERTS, CLASS III
	136	LF			66" RC PIPE CULVERTS, CLASS III
	60	LF			***** RC PIPE CULVERTS, CLASS IV (48")
	256	LF			***** RC PIPE CULVERTS, CLASS IV (66")
	192	LF			15" RC PIPE CULVERTS, CLASS IV
	56	LF			*** CS PIPE CULVERTS, ***** THICK (36", 0.079")
	56	LF			*** CS PIPE CULVERTS, ***** THICK (48", 0.109")
	872	LF			15" CS PIPE CULVERTS, 0.064" THICK
	180	LF			18" CS PIPE CULVERTS, 0.064" THICK
	260	LF			24" CS PIPE CULVERTS, 0.064" THICK
	60	LF			30" CS PIPE CULVERTS, 0.079" THICK
	7	EA			*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
	1	EA			*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
	4	EA			*** CS PIPE ELBOWS, ***** THICK (24", 0.064")

			2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
31	EA	FRAME WITH TWO GRATES, STD 840.20	400	EA	DRUMS
14	EA	FRAME WITH TWO GRATES, STD 840.24	100	EA	CONES
14	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	680	LF	BARRICADES (TYPE III)
54	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	3,200	HR	FLAGGER
70	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	6	EA	TEMPORARY CRASH CUSHIONS
7	EA	FRAME WITH COVER, STD 840.54	2	EA	RESET TEMPORARY CRASH CUSHION
4	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	2	EA	TMA
35	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	580	LF	PORTABLE CONCRETE BARRIER
290	LF	***X*** CONCRETE CURB (8" X 12")	250	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
270	LF	***X*** CONCRETE CURB (8" X 18")	300	LF	RESET PORTABLE CONCRETE BARRIER
640	LF	***X*** CONCRETE CURB & GUTTER (2'-9")	100	EA	SKINNY DRUM
19,885	LF	1'-6" CONCRETE CURB & GUTTER	40	EA	TUBULAR MARKERS (FIXED)
28,750	LF	2'-6" CONCRETE CURB & GUTTER	700	EA	TEMPORARY RAISED PAVEMENT MARKERS
15,700	SY	4" CONCRETE SIDEWALK	14,390	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
55	EA	CONCRETE CURB RAMP	44,043	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
630	SY	6" CONCRETE DRIVEWAY	5,890	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
290	SY	4" CONCRETE PAVED DITCH	1,913	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
3,010	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1	EA	GENERIC PAVING ITEM EMERGENCY VEHICLE ACCESS FOR CONCRETE ISLAND	1,235	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
1	EA	ADJUSTMENT OF MANHOLES	28	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
90	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	223	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
5,850	LF	STEEL BM GUARDRAIL	74	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
500	LF	STEEL BM GUARDRAIL, SHOP CURVED	74	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
10	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	325	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
10	EA	ADDITIONAL GUARDRAIL POSTS	1,000	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	1	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (II)
13	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	1	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	94,750	LF	PAINT PAVEMENT MARKING LINES (4")
19	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	1,770	LF	PAINT PAVEMENT MARKING LINES (8")
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	990	LF	PAINT PAVEMENT MARKING LINES (24")
162.5	LF	REMOVE & RESET EXISTING GUARDRAIL	28	EA	PAINT PAVEMENT MARKING CHARACTER
300	LF	REMOVE EXISTING GUARDRAIL	121	EA	PAINT PAVEMENT MARKING SYMBOL
600	LF	WOVEN WIRE FENCE, 47" FABRIC	15,100	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
21	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	580	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
32	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	165	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
100	LF	ADDITIONAL BARBED WIRE	300	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
1,031	LF	GENERIC FENCING ITEM RETAINING WALL ALUMINUM PICKET FENCE (BLACK POWDER COATED)	2,440	SF	GENERIC PAVEMENT MARKING ITEM DECORATIVE CROSSWALKS TTPM (THERMOPLASTIC PAVEMENT MARKINGS)
250	LF	RELAPPING GUARDRAIL	2,310	EA	PERMANENT RAISED PAVEMENT MARKERS
1,340	TON	RIP RAP, CLASS I	6	EA	7' U-CHANNEL POSTS
50	TON	RIP RAP, CLASS II	386	LF	2" WATER LINE
1,256	TON	RIP RAP, CLASS B	1,823	LF	6" WATER LINE
7,910	SY	GEOTEXTILE FOR DRAINAGE	732	LF	8" WATER LINE
5,100	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	13,923	LF	12" WATER LINE
13	EA	SIGN ERECTION, TYPE D	141	LF	24" WATER LINE
249	EA	SIGN ERECTION, TYPE E	6	EA	2" VALVE
50	EA	SIGN ERECTION, TYPE F	12	EA	6" VALVE
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)	4	EA	8" VALVE
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	26	EA	12" VALVE
121	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	3	EA	24" VALVE
2	EA	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA	12" TAPPING VALVE
2	EA	DISPOSAL OF SIGN, D, E OR F	16	EA	2" AIR RELEASE VALVE
1,783	SF	WORK ZONE SIGNS (STATIONARY)	1	EA	2" BLOW OFF
256	SF	WORK ZONE SIGNS (PORTABLE)	1	EA	4" BLOW OFF
484	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	54	EA	RELOCATE WATER METER
2	EA	FLASHING ARROW BOARD	21	EA	FIRE HYDRANT
			14	EA	RELOCATE FIRE HYDRANT

			24	EA	JUNCTION BOX (STANDARD SIZE)	
			44	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	
			8	EA	WOOD POLE	
			18	EA	GUY ASSEMBLY	
			2	EA	1" RISER WITH WEATHERHEAD	
			10	EA	2" RISER WITH WEATHERHEAD	
			4	EA	2" RISER WITH HEAT SHRINK TUBING	
			4,710	LF	INDUCTIVE LOOP SAWCUT	
			12,470	LF	LEAD-IN CABLE (*****)	
			1	EA	SITE SURVEY	
			4	EA	CAMERA WITH INTERNAL LOOP EMULATOR PROCESSING UNIT	
			2	EA	RELOCATE CAMERA SENSOR UNIT	
			165	LF	COMMUNICATIONS CABLE (**FIBER) (12)	
			15,063	LF	COMMUNICATIONS CABLE (**FIBER) (24)	
			3	EA	SPLICE ENCLOSURE	
			3	EA	INTERCONNECT CENTER	
			3	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT	
			20	EA	DELINEATOR MARKER	
			1	EA	900MHZ RADIO	
			4	EA	METAL STRAIN SIGNAL POLE	
			4	EA	METAL POLE WITH SINGLE MAST ARM	
			8	EA	SOIL TEST	
			48	CY	DRILLED PIER FOUNDATION	
			4	EA	MAST ARM WITH METAL POLE DESIGN	
			3	EA	SIGN FOR SIGNALS	
			16	EA	TYPE II PEDESTAL WITH FOUNDATION	
			2	EA	SIGNAL CABINET FOUNDATION	
			2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	
			21	EA	DETECTOR CARD (TYPE 2070L)	
			2	EA	CABINET BASE EXTENDER	
			16	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SIGNAL PEDESTAL	
			4	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SINGLE MAST ARM POLE	
					***** BEGIN SCHEDULE AA *****	
					***** ( 2 ALTERNATES ) *****	
			124,000	CY	UNCLASSIFIED EXCAVATION	
			76,000	CY	BORROW EXCAVATION	
			Lump Sum	LS	FINE GRADING	
			51,800	TON	AGGREGATE BASE COURSE	
			6,900	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	
			3,000	TON	ASPHALT BINDER FOR PLANT MIX	
					*** OR ***	
			113,000	CY	UNCLASSIFIED EXCAVATION	
			80,000	CY	BORROW EXCAVATION	
			Lump Sum	LS	FINE GRADING	
			340	TON	AGGREGATE BASE COURSE	
			25,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	
			3,830	TON	ASPHALT BINDER FOR PLANT MIX	
					*** END SCHEDULE AA ***	
					<b>CULVERT ITEMS</b>	
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION *****	
					(117+50.00 -L-)	
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION *****	
					(40+60.90 -L-)	
			Lump Sum	LS	CULVERT EXCAVATION, STA *****	
					(117+50.00 -L-)	
			Lump Sum	LS	CULVERT EXCAVATION, STA *****	
					(40+60.90 -L-)	
			653	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	
			931.7	CY	CLASS A CONCRETE (CULVERT)	
			109,820	LB	REINFORCING STEEL (CULVERT)	
			Lump Sum	LS	GENERIC CULVERT ITEM PLACEMENT OF NATURAL STREAM BED MATERIAL	
7,428	LF	8" SANITARY GRAVITY SEWER				
260	LF	12" SANITARY GRAVITY SEWER				
21	EA	SANITARY SEWER CLEAN-OUT				
52	EA	4' DIA UTILITY MANHOLE				
1	EA	5' DIA UTILITY MANHOLE				
271.1	LF	UTILITY MANHOLE WALL, 4' DIA				
1.5	LF	UTILITY MANHOLE WALL, 5' DIA				
10,280	LF	ABANDON 8" UTILITY PIPE				
47	LF	ABANDON 10" UTILITY PIPE				
3,832	LF	ABANDON 12" UTILITY PIPE				
121	LF	ABANDON 24" UTILITY PIPE				
7	EA	REMOVE WATER METER				
24	EA	ABANDON UTILITY MANHOLE				
600	LF	18" ENCASEMENT PIPE				
285	LF	24" ENCASEMENT PIPE				
270	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL				
270	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL				
143	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL				
142	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL				
47	EA	GENERIC UTILITY ITEM ABANDON WATER VALVE				
1	EA	GENERIC UTILITY ITEM REMOVE MANHOLE AND AIR RELEASE VALVE				
42,150	LF	TEMPORARY SILT FENCE				
1,260	TON	STONE FOR EROSION CONTROL, CLASS A				
5,225	TON	STONE FOR EROSION CONTROL, CLASS B				
3,835	TON	SEDIMENT CONTROL STONE				
62.5	ACR	TEMPORARY MULCHING				
3,500	LB	SEED FOR TEMPORARY SEEDING				
19	TON	FERTILIZER FOR TEMPORARY SEEDING				
2,450	LF	TEMPORARY SLOPE DRAINS				
7,200	LF	SAFETY FENCE				
10,000	CY	SILT EXCAVATION				
81,500	SY	MATTING FOR EROSION CONTROL				
210	SY	COIR FIBER MAT				
1,680	SY	PERMANENT SOIL REINFORCEMENT MAT				
10,050	LF	1/4" HARDWARE CLOTH				
670	LF	*** TEMPORARY PIPE (18")				
98	CY	STILLING BASINS				
14	EA	SPECIAL STILLING BASINS				
3,050	LF	WATTLE				
2,100	LF	COIR FIBER WATTLE				
2,100	LB	POLYACRYLAMIDE (PAM)				
2,000	LF	COIR FIBER BAFFLE				
15	EA	*** SKIMMER (1-1/2")				
30	ACR	SEEDING & MULCHING				
25	ACR	MOWING				
650	LB	SEED FOR REPAIR SEEDING				
1.75	TON	FERTILIZER FOR REPAIR SEEDING				
1,200	LB	SEED FOR SUPPLEMENTAL SEEDING				
35.75	TON	FERTILIZER TOPDRESSING				
270	LF	IMPERVIOUS DIKE				
75	MHR	SPECIALIZED HAND MOWING				
75	EA	RESPONSE FOR EROSION CONTROL				
16	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE				
16	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)				
7,935	LF	SIGNAL CABLE				
41	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)				
2	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)				
2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)				
325	LF	MESSENGER CABLE (1/4")				
1,845	LF	MESSENGER CABLE (3/8")				
13,603	LF	TRACER WIRE				
1,550	LF	UNPAVED TRENCHING (*****)				
		(1, 2")				
8,785	LF	UNPAVED TRENCHING (*****)				
		(2, 2")				
615	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN				
4,818	LF	DIRECTIONAL DRILL (*****)				
		(2, 2")				
320	LF	DIRECTIONAL DRILL (*****)				
		(3, 2")				

**WALL ITEMS**

970	SF	MSE RETAINING WALL NO **** (2)
280	SF	MSE RETAINING WALL NO **** (5)
9,690	SF	SOIL NAIL RETAINING WALLS
2,015	SF	SOLDIER PILE RETAINING WALLS
2	EA	SOIL NAIL VERIFICATION TESTS
26	EA	SOIL NAIL PROOF TESTS
605	SF	GENERIC RETAINING WALL ITEM CAST IN PLACE (CIP) GRAVITY WALL

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (68+25.60 -L- LT)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (68+25.60 -L- RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (68+25.60 -L- RT)
117.5	LF	3'-6" DIA DRILLED PIERS IN SOIL
152	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
62.3	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
8	EA	SID INSPECTIONS
16	EA	SPT TESTING
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (68+25.60 -L- LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (68+25.60 -L- RT)
10,248	SF	REINFORCED CONCRETE DECK SLAB
9,860	SF	GROOVING BRIDGE FLOORS
285.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (68+25.60 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (68+25.60 -L- RT)
57,548	LB	REINFORCING STEEL (BRIDGE)
6,886	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,005.334	LF	45" PRESTRESSED CONCRETE GIR- DERS
615	LF	HP12X53 STEEL PILES
240.64	LF	THREE BAR METAL RAIL
256.44	LF	CONCRETE BARRIER RAIL
650	TON	RIP RAP CLASS II (2'-0" THICK)
720	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT

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

L161115 008

CONTRACT ID : C203916 44797.3.1

DIV OFFICE ALBEMARLE

LENGTH = 3.971 MI

COUNTY : MECKLENBURG

PAVEMENT AND BRIDGE REHABILITATION

DBE GOAL 5.0% COMPLETION DATE : SEP 30 2017

I-485 FROM MM 35.8 TO MM 39.7.

ROADWAY ITEMS				STRUCTURE ITEMS			
Lump Sum	LS	MOBILIZATION		Lump Sum	LS	FOAM JOINT SEALS	
490	CY	BORROW EXCAVATION		184	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE	
120	TON	INCIDENTAL STONE BASE		618	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION	
2	SMI	SHOULDER RECONSTRUCTION		20	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY	
194,012	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")		44,715	SF	GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM-MECHANICALLY DISTRIBUTED	
480	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")					
4,281	SY	INCIDENTAL MILLING					
3,733	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C					
34,475	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D					
220	TON	ASPHALT BINDER FOR PLANT MIX					
2,338	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX					
2,640	TON	PATCHING EXISTING PAVEMENT					
7,176	TON	GENERIC PAVING ITEM ULTRA-THIN BONDED WEARING COURSE					
232	SF	WORK ZONE SIGNS (STATIONARY)					
314	SF	WORK ZONE SIGNS (PORTABLE)					
3	EA	FLASHING ARROW BOARD					
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN					
60	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)					
175	EA	DRUMS					
24	LF	BARRICADES (TYPE III)					
2	EA	TMA					
300	HR	LAW ENFORCEMENT					
653	EA	TEMPORARY RAISED PAVEMENT MARKERS					
105,933	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)					
26,579	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)					
925	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)					
6,128	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)					
1,100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)					
129	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)					
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)					
58	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)					
2,224	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)					
2,298	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)					
83,268	LF	PAINT PAVEMENT MARKING LINES (4")					
6,400	LF	PAINT PAVEMENT MARKING LINES (8")					
8	EA	PAINT PAVEMENT MARKING CHARACTER					
51	EA	PAINT PAVEMENT MARKING SYMBOL					
2,201	EA	SNOWPLOWABLE PAVEMENT MARKERS					
Lump Sum	LS	PORTABLE LIGHTING					
1,490	LF	TEMPORARY SILT FENCE					
198	TON	STONE FOR EROSION CONTROL, CLASS B					
100	TON	SEDIMENT CONTROL STONE					
297	LF	WATTLE					
18	LB	POLYACRYLAMIDE (PAM)					

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L161115 009

CONTRACT ID : C203948 2017CPT.13.01.1011 DIV OFFICE ASHEVILLE

LENGTH = 95.510 MI

COUNTY : BUNCOMBE

WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 5.0% COMPLETION DATE : NOV 01 2017

1 SECTION EACH OF US-19, US-70 &amp; NC-251, AND 79 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,627	TON	INCIDENTAL STONE BASE
22.4	SMI	SHOULDER RECONSTRUCTION
8,000	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
7,195	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
66,650	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
19,070	SY	INCIDENTAL MILLING
5,476	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
4,430	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
48,247	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
31,330	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,109	TON	ASPHALT CONC SURFACE COURSE, TYPE S4.75A
5,530	TON	ASPHALT BINDER FOR PLANT MIX
21,015	TON	PATCHING EXISTING PAVEMENT
167,810	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
167,810	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
92,315	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
94,195	LF	GENERIC PAVING ITEM 8" MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
218,911	SY	GENERIC PAVING ITEM LATEX MODIFIED MICROSURFACING, TYPE III
87	EA	ADJUSTMENT OF MANHOLES
65	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
10,767	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
78	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
398	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
2,105	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
74	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
218	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
3,162,580	LF	PAINT PAVEMENT MARKING LINES (4")
342	LF	PAINT PAVEMENT MARKING LINES (8")
94,195	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
363,053	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
244	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
94,195	LF	GENERIC PAVEMENT MARKING ITEM 4" POLYUREA PAVEMENT MARKING LINES (HRE-RUMBLE STRIPS)
2,826	EA	SNOWPLOWABLE PAVEMENT MARKERS
6,850	LF	INDUCTIVE LOOP SAWCUT