



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

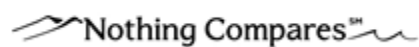
The Highway Letting broadcast of bid opening has changed to a new format. The new method is broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

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 FEBRUARY 21, 2017. 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 JANUARY 24, 2017.  
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.

<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	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** L170221

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
*001	C203993	46478.3.1	TYRRELL, DARE	2.828 MI	BRIDGE REHABILITATION
002	C203954	50164.3.1	CUMBERLAND	0.000 MI	SIGNALS.
003	C203929	53008.3.1	DAVIE	6.357 MI	PAVEMENT AND BRIDGE REHABILITATION, GUARDRAIL, GRADING.
004	C203661	40373.3.3	CABARRUS	2.382 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
005	C203848	46098.3.1	AVERY	0.102 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
006	C203847	46112.3.1	RUTHERFORD	0.137 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
007	C203870	50452.3.1	MCDOWELL	6.724 MI	PAVEMENT REHABILITATION AND BRIDGE REHABILITATION.

PLEASE NOTE:

\*C203993, TYRRELL & DARE COUNTIES, B-5936, 46478.3.1 HAS A MANDATORY PRE-BID CONFERENCE AT 10:00AM ON TUESDAY, FEBRUARY 7, 2017 AT THE CHIEF ENGINEER'S CONFERENCE ROOM, NCDOT EQUIPMENT AND MAINTENANCE FACILITY, 4809 BERYL RD, RALEIGH, NC 27606, (919) 733-2220. BIDDERS WHO ATTENDED THE NOVEMBER 3, 2016 MANDATORY PRE-BID CONFERENCE FOR THIS PROJECT ARE NOT REQUIRED TO ATTEND THIS PRE-BID CONFERENCE AND HAVE SATISFIED THE REQUIREMENTS OF THIS PROVISION.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170221 001

CONTRACT ID : C203993 46478.3.1

DIV OFFICE EDENTON

LENGTH = 2.828 MI

COUNTY : TYRRELL, DARE

BRIDGE REHABILITATION

WBE GOAL 1.0% COMPLETION DATE : SEP 17 2019

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

STRUCTURE ITEMS

42	GAL	GENERIC MISCELLANEOUS ITEM EPOXY MATERIAL
1,000	LB	REINFORCING STEEL (BRIDGE)
938	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

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
279	CF	GENERIC STRUCTURE ITEM PRESTRESSED CONCRETE GIRDER FLANGE REPAIR MATERIAL
80.4	CF	GENERIC STRUCTURE ITEM RESTORE SPALLED AREA - EPOXY
566.7	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY
387,507	SF	GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM - MECHANICALLY DISTRIBUTED

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170221 002

CONTRACT ID : C203954 50164.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 0.000 MI

COUNTY : CUMBERLAND

SIGNALS.

COMPLETION DATE : OCT 15 2019

## FAYETTEVILLE - COMPUTERIZED TRAFFIC SIGNAL SYSTEM.

## ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION	EA	DESCRIPTION
	LS	MOBILIZATION		
325	SF	WORK ZONE SIGNS (PORTABLE)		
150	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)		
2	EA	FLASHING ARROW BOARD		
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN		
60	EA	DRUMS		
40	EA	CONES		
80	LF	BARRICADES (TYPE III)		
2,400	HR	FLAGGER		
2	EA	TMA		
1,200	HR	LAW ENFORCEMENT		
40	EA	SKINNY DRUM		
5,800	LF	SIGNAL CABLE		
17	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)		
10	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)		
38,200	LF	MESSENGER CABLE (1/4")		
41,300	LF	TRACER WIRE		
2,100	LF	UNPAVED TRENCHING (***** (1, 2")		
28,500	LF	UNPAVED TRENCHING (***** (2, 2")		
300	LF	DIRECTIONAL DRILL (***** (1- 5" CONDUIT ENCASING 2 - 2" CONDUITS)		
400	LF	DIRECTIONAL DRILL (***** (1, 2")		
10,300	LF	DIRECTIONAL DRILL (***** (2, 2")		
53	EA	JUNCTION BOX (STANDARD SIZE)		
133	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)		
2	EA	WOOD POLE		
100	EA	GUY ASSEMBLY		
26	EA	2" RISER WITH WEATHERHEAD		
8	EA	HEAT SHRINK TUBING RETROFIT KIT		
48	EA	2" RISER WITH HEAT SHRINK TUBING		
1,250	LF	INDUCTIVE LOOP SAWCUT		
13,500	LF	LEAD-IN CABLE (***** (14-2)		
103,500	LF	COMMUNICATIONS CABLE (**FIBER) (24)		
800	LF	COMMUNICATIONS CABLE (**FIBER) (48)		
13,700	LF	DROP CABLE		
35	EA	SPLICE ENCLOSURE		
50	EA	MODIFY SPLICE ENCLOSURE		
82	EA	DELINEATOR MARKER		
3	EA	NEW ELECTRICAL SERVICE		
2,100	LF	REMOVE EXISTING COMMUNICATIONS CABLE		
10	EA	CABLE TRANSFER		
2	EA	SIGNAL CABINET FOUNDATION		
55	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION		
4	EA	MODIFY FOUNDATION FOR CONTROLLER CABINET		
98	EA	CONTROLLER WITH CABINET (***** (2070E, 332 BASE MOUNTED)		
8	EA	CONTROLLER WITH CABINET (***** (2070E, 336S POLE MOUNTED)		
2,137	EA	DETECTOR CARD (***** (2070L)		
295	EA	CABINET BASE EXTENDER		
2	EA	CABINET BASE ADAPTER		
1	EA	GENERIC SIGNAL ITEM BACKUP STORAGE SERVER		
1	EA	GENERIC SIGNAL ITEM CCTV VIDEO SERVER		
13	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE		
6	EA	GENERIC SIGNAL ITEM COMPUTER WORKSTATION		
199	EA	GENERIC SIGNAL ITEM CONTROLLER WITH CABINET AND AUX FILE (2070E, 332 BASE MOUNTED)		
1	EA	GENERIC SIGNAL ITEM CONTROLLER WITH CABINET AND AUX FILE (2070E, 336S POLE MOUNTED)		
1	EA	GENERIC SIGNAL ITEM CORE ETHERNET SWITCH		
50	EA	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY		
1	EA	GENERIC SIGNAL ITEM DISTRIBUTED PROCESSING SIGNAL SYSTEM SERVER		
3	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET		
311	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH		
10	EA	GENERIC SIGNAL ITEM FURNISH 2070-1E CPU MODULE		
10	EA	GENERIC SIGNAL ITEM FURNISH 2070L CONTROLLER		
10	EA	GENERIC SIGNAL ITEM FURNISH AC ISOLATOR CARD		
8	EA	GENERIC SIGNAL ITEM FURNISH BASE MOUNT 332 CABINET		
5	EA	GENERIC SIGNAL ITEM FURNISH CCTV ASSEMBLY		
10	EA	GENERIC SIGNAL ITEM FURNISH CONFLICT MONITOR		
10	EA	GENERIC SIGNAL ITEM FURNISH DC ISOLATOR CARD		
20	EA	GENERIC SIGNAL ITEM FURNISH DETECTOR CARD		
10	EA	GENERIC SIGNAL ITEM FURNISH FIELD ETHERNET SWITCH		
10	EA	GENERIC SIGNAL ITEM FURNISH FLASH TRANSFER RELAY		
10	EA	GENERIC SIGNAL ITEM FURNISH FLASHER MODULE		
10	EA	GENERIC SIGNAL ITEM FURNISH LOAD SWITCH		
2	EA	GENERIC SIGNAL ITEM FURNISH POLE MOUNT 336 CABINET		
20	EA	GENERIC SIGNAL ITEM FURNISH ST PIGTAILS		
40	EA	GENERIC SIGNAL ITEM FURNISH ST-LC HYBRID JUMPERS		
10	EA	GENERIC SIGNAL ITEM FURNISH SURGE PROTECTOR		
1	EA	GENERIC SIGNAL ITEM FURNISH TEST CABINET AND CONTROLLER		
5	EA	GENERIC SIGNAL ITEM INTERCONNECT CENTER (OVERSIZED)		
308	EA	GENERIC SIGNAL ITEM INTERCONNECT CENTER (STANDARD)		
1	EA	GENERIC SIGNAL ITEM KVM SWITCH		
1	EA	GENERIC SIGNAL ITEM LCD VIDEO MONITOR		
1	EA	GENERIC SIGNAL ITEM NETWORK ETHERNET SWITCH		
1	EA	GENERIC SIGNAL ITEM RACK CABINET		
1	EA	GENERIC SIGNAL ITEM REMOTE ACCESS SERVER		
5	EA	GENERIC SIGNAL ITEM REMOVE AND REPLACE EXISTING WOOD SIGNAL POLE		
25	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV ASSEMBLY		
1	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV CABINET		



10	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV CABINET AND FOUNDATION
43	EA	GENERIC SIGNAL ITEM REMOVE EXISTING WIRELESS RADIO AND ANTENNA
1	EA	GENERIC SIGNAL ITEM SIGNAL SYSTEM COMMUNICATIONS SERVER
1	EA	GENERIC SIGNAL ITEM SPLICE CABINET
8	EA	GENERIC SIGNAL ITEM VEHICLE SIGNAL HEAD (12", 3 SECTION WITH BI-MODAL SECTION)
12	EA	GENERIC SIGNAL ITEM WIRELESS ETHERNET RADIO SYSTEM
Lump Sum	LS	GENERIC SIGNAL ITEM COMPUTER HARDWARE INTEGRATION
Lump Sum	LS	GENERIC SIGNAL ITEM LAN INTEGRATION
Lump Sum	LS	GENERIC SIGNAL ITEM NETWORK PERFORMANCE MANAGEMENT SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING
Lump Sum	LS	GENERIC SIGNAL ITEM UPGRADE CCTV SYSTEM SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM UPGRADE SIGNAL SYSTEM SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM VIDEO WALL SYSTEM
600	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE
5,800	LF	GENERIC SIGNAL ITEM ETHERNET CABLE

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

L170221 003

CONTRACT ID : C203929 53008.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 6.357 MI

COUNTY : DAVIE

PAVEMENT AND BRIDGE REHABILITATION, GUARDRAIL, GRADING.

DBE GOAL 5.0% COMPLETION DATE : MAR 30 2019

I-40 FROM 0.5 MILES WEST OF US-601 TO 1.2 MILES EAST OF SR-1410 (FARMINGTON ROAD).

ROADWAY ITEMS					
			1,677	SF	WORK ZONE SIGNS (STATIONARY)
			712	SF	WORK ZONE SIGNS (PORTABLE)
			100	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			4	EA	FLASHING ARROW BOARD
			10	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			264	EA	DRUMS
			50	EA	CONES
			72	LF	BARRICADES (TYPE III)
			2	EA	TEMPORARY CRASH CUSHIONS
			29	EA	RESET TEMPORARY CRASH CUSHION
			4	EA	TMA
			15,100	LF	PORTABLE CONCRETE BARRIER
			79,600	LF	RESET PORTABLE CONCRETE BARRIER
			352	HR	LAW ENFORCEMENT
			200	EA	SKINNY DRUM
			1,653	EA	TEMPORARY RAISED PAVEMENT MARKERS
			13,620	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
			608,107	LF	PAINT PAVEMENT MARKING LINES (6")
			13,330	LF	PAINT PAVEMENT MARKING LINES (12")
			30	EA	PAINT PAVEMENT MARKING SYMBOL
			175,000	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
			4,000	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
			183,719	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
			3,520	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
			9	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
			900	EA	SNOWFLOWABLE PAVEMENT MARKERS
			13,420	LF	TEMPORARY SILT FENCE
			100	TON	STONE FOR EROSION CONTROL, CLASS A
			1,350	TON	STONE FOR EROSION CONTROL, CLASS B
			675	TON	SEDIMENT CONTROL STONE
			65.5	ACR	TEMPORARY MULCHING
			3,100	LB	SEED FOR TEMPORARY SEEDING
			15.5	TON	FERTILIZER FOR TEMPORARY SEEDING
			775	LF	TEMPORARY SLOPE DRAINS
			200	LF	SAFETY FENCE
			1,530	CY	SILT EXCAVATION
			70,000	SY	MATTING FOR EROSION CONTROL
			100	SY	COIR FIBER MAT
			3,450	LF	COIR FIBER WATTLE
			425	LF	COIR FIBER BAFFLE
			45	ACR	SEEDING & MULCHING
			42	ACR	MOWING
			1,000	LB	SEED FOR REPAIR SEEDING
			2	TON	FERTILIZER FOR REPAIR SEEDING
			1,125	LB	SEED FOR SUPPLEMENTAL SEEDING
			33.75	TON	FERTILIZER TOPDRESSING
			85	MHR	SPECIALIZED HAND MOWING
			100	EA	RESPONSE FOR EROSION CONTROL
			6	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
					<b>STRUCTURE ITEMS</b>
			25,786	SF	GROOVING BRIDGE FLOORS
			Lump Sum	LS	POLLUTION CONTROL
			12	SY	CLASS II, SURFACE PREPARATION
			12	SY	CLASS III, SURFACE PREPARATION
Lump Sum	LS	MOBILIZATION			
75,520	CY	UNCLASSIFIED EXCAVATION			
5,000	CY	UNDERCUT EXCAVATION			
17,040	CY	BORROW EXCAVATION			
106,490	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT			
20,000	SY	GEOTEXTILE FOR SOIL STABILIZATION			
1,500	TON	GENERIC GRADING ITEM AGGREGATE BASE COURSE FOR BACKFILL			
60	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
170	SY	FOUNDATION CONDITIONING GEOTEXTILE			
362	LF	15" RC PIPE CULVERTS, CLASS III			
Lump Sum	LS	FINE GRADING			
5,500	CY	SHALLOW UNDERCUT			
11,000	TON	CLASS IV SUBGRADE STABILIZATION			
500	TON	STABILIZER AGGREGATE			
1,000	SY	INCIDENTAL MILLING			
103,110	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
27,320	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
53,170	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D			
13,130	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
51,080	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D			
9,020	TON	ASPHALT BINDER FOR PLANT MIX			
2,915	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX			
134,000	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)			
3,050	SY	GENERIC PAVING ITEM 8" CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR			
Lump Sum	LS	GENERIC PAVING ITEM 10" CONCRETE SLEEPER SLAB			
34,200	LF	SHOULDER DRAIN			
34,200	LF	4" SHOULDER DRAIN PIPE			
2,800	LF	4" OUTLET PIPE FOR SHOULDER DRAINS			
90	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET			
4	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE			
4	EA	MASONRY DRAINAGE STRUCTURES			
0.9	LF	MASONRY DRAINAGE STRUCTURES			
4	EA	FRAME WITH TWO GRATES, STD 840.22			
3	EA	ADJUSTMENT OF DROP INLETS			
18,912.5	LF	STEEL BM GUARDRAIL			
20	EA	ADDITIONAL GUARDRAIL POSTS			
23	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
24	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350			
16	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83			
1,000	LF	REMOVE & RESET EXISTING GUIDERAIL			
20,551	LF	REMOVE EXISTING GUARDRAIL			
3,000	LF	REMOVE EXISTING GUIDERAIL			
3,000	LF	CABLE GUIDERAIL			
10	EA	ADDITIONAL GUIDERAIL POSTS			
12	EA	CABLE GUIDERAIL ANCHOR UNITS			
1,000	LF	RELAPPING GUARDRAIL			
300	SY	GEOTEXTILE FOR DRAINAGE			

84	CF	SHOTCRETE REPAIRS
115	LF	EPOXY RESIN INJECTION
6	SF	EPOXY MORTAR REPAIRS
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #61
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #62
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #74
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #75
Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMERIC MIXER
138	CY	GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE OVERLAY-VES
4	CF	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR
82	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE
326	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
1,276	SF	GENERIC STRUCTURE ITEM EPOXY COATING
3,108	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
3,108	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING OF LATEX MODIFIED CONCRETE OVERLAY-VES
3,108	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
144	EA	GENERIC STRUCTURE ITEM CLEANING AND PAINTING EXISTING BEARING PLATES WITH HRCSA

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

L170221 004

CONTRACT ID : C203661 40373.3.3

DIV OFFICE ALBEMARLE

LENGTH = 2.382 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 11.0% COMPLETION DATE : APR 29 2020

SR-1445 (DERITA RD) FROM NORTH OF SR-2894 (CONCORD MILLS BLVD) TO SR-1394 (POPLAR TENT RD).

ROADWAY ITEMS					
			420	GAL	PRIME COAT
			8,510	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
Lump Sum	LS	MOBILIZATION	1,200	SY	INCIDENTAL MILLING
Lump Sum	LS	CONSTRUCTION SURVEYING	8,890	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
	2	ACR	17,870	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
	1	EA	14,860	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
68,900	CY	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (147+70 -L-)	2,145	TON	ASPHALT BINDER FOR PLANT MIX
	1,700	CY	2,624	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
104,500	CY	UNDERCUT EXCAVATION	123	EA	RIGHT OF WAY MARKERS
	4	EA	230	CY	SUBDRAIN EXCAVATION
	960	CY	170	CY	SUBDRAIN FINE AGGREGATE
	170	LF	1,000	LF	6" PERFORATED SUBDRAIN PIPE
	7,430	SY	3	EA	SUBDRAIN PIPE OUTLET
	7,960	SY	18	LF	6" OUTLET PIPE
	1,200	CY	18	CY	ENDWALLS
	9,350	SY	9,839	CY	PIPE COLLARS
	3,900	SF	152	EA	MASONRY DRAINAGE STRUCTURES
	1,664	TON	71.6	LF	MASONRY DRAINAGE STRUCTURES
	6,002	SY	12	EA	FRAME WITH TWO GRATES, STD 840.16
	1,060	LF	7	EA	FRAME WITH TWO GRATES, STD 840.24
	120	LF	10	EA	FRAME WITH TWO GRATES, STD 840.29
	264	LF	12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
	624	LF	54	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
	192	LF	53	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
	176	LF	5	EA	FRAME WITH COVER, STD 840.54
	7,228	LF	16	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
	1,412	LF	6,520	LF	***,*** CONCRETE CURB & GUTTER (2'-9")
	984	LF	8,270	LF	1'-6" CONCRETE CURB & GUTTER
	1,228	LF	25,180	LF	2'-6" CONCRETE CURB & GUTTER
	88	LF	12,680	SY	4" CONCRETE SIDEWALK
	64	LF	51	EA	CONCRETE CURB RAMP
	276	LF	1,310	SY	6" CONCRETE DRIVEWAY
	40	LF	160	SY	4" CONCRETE PAVED DITCH
	44	LF	1,820	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
	56	LF	3,110	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
	6	EA	540	SY	GENERIC PAVING ITEM 6" CONCRETE PAVED DITCH
	1	EA	2	EA	ADJUSTMENT OF CATCH BASINS
	2	EA	1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
	2	EA	2,875	LF	STEEL BM GUARDRAIL
	72	LF	125	LF	STEEL BM GUARDRAIL, SHOP CURVED
	2,534	LF	20	EA	ADDITIONAL GUARDRAIL POSTS
	2,900	CY	6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
	6,950	TON	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
	31,600	TON	8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
	2,000	TON	425	LF	REMOVE EXISTING GUARDRAIL
			225	LF	TEMPORARY STEEL BM GUARDRAIL
			1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)
			2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
			730	LF	GENERIC FENCING ITEM DECORATIVE FENCE
			430	TON	RIP RAP, CLASS I
			710	TON	RIP RAP, CLASS B

			280	LF	30" ENCASMENT PIPE
			358	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
			358	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
			68	LF	GENERIC UTILITY ITEM
					90" TUNNEL LINER PLATE
			9,265	LB	GENERIC UTILITY ITEM
					DUCTILE IRON WATER PIPE FITTINGS
			32,150	LF	TEMPORARY SILT FENCE
			1,500	TON	STONE FOR EROSION CONTROL, CLASS A
			5,025	TON	STONE FOR EROSION CONTROL, CLASS B
			3,575	TON	SEDIMENT CONTROL STONE
			98	ACR	TEMPORARY MULCHING
			4,800	LB	SEED FOR TEMPORARY SEEDING
			25.5	TON	FERTILIZER FOR TEMPORARY SEEDING
			3,750	LF	TEMPORARY SLOPE DRAINS
			1,800	LF	SAFETY FENCE
			18,750	CY	SILT EXCAVATION
			104,000	SY	MATTING FOR EROSION CONTROL
			200	SY	COIR FIBER MAT
			1,050	SY	PERMANENT SOIL REINFORCEMENT MAT
			8,400	LF	1/4" HARDWARE CLOTH
			2,900	LF	COIR FIBER WATTLE
			1,960	LB	POLYACRYLAMIDE (PAM)
			4,000	LF	COIR FIBER BAFFLE
			6	EA	*** SKIMMER (1-1/2")
			5	EA	*** SKIMMER (2")
			3	EA	*** SKIMMER (2-1/2")
			55	ACR	SEEDING & MULCHING
			40	ACR	MOWING
			1,000	LB	SEED FOR REPAIR SEEDING
			3	TON	FERTILIZER FOR REPAIR SEEDING
			1,800	LB	SEED FOR SUPPLEMENTAL SEEDING
			53	TON	FERTILIZER TOPDRESSING
			455	LF	IMPERVIOUS DIKE
			40	MHR	SPECIALIZED HAND MOWING
			200	EA	RESPONSE FOR EROSION CONTROL
			276	CY	CULVERT DIVERSION CHANNEL
			6	ACR	REFORESTATION
			22	EA	GENERIC EROSION CONTROL ITEM
					CONCRETE WASHOUT STRUCTURE
			37	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
			13,830	LF	SIGNAL CABLE
			38	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
			32	EA	BACKPLATE
			13,425	LF	MESSANGER CABLE (1/4")
			1,070	LF	MESSANGER CABLE (3/8")
			810	LF	TRACER WIRE
			3,340	LF	UNPAVED TRENCHING (***** (1, 2")
			85	LF	UNPAVED TRENCHING (***** (2, 2")
			30	LF	UNPAVED TRENCHING (***** (3, 2")
			85	LF	UNPAVED TRENCHING (***** (4, 2")
			400	LF	DIRECTIONAL DRILL (***** (1, 2")
			525	LF	DIRECTIONAL DRILL (***** (2, 2")
			125	LF	DIRECTIONAL DRILL (***** (3, 2")
			25	EA	JUNCTION BOX (STANDARD SIZE)
			26	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
			4	EA	WOOD POLE
			21	EA	GUY ASSEMBLY
			1	EA	1" RISER WITH WEATHERHEAD
			3	EA	2" RISER WITH WEATHERHEAD
			5	EA	2" RISER WITH HEAT SHRINK TUBING
			5,220	LF	INDUCTIVE LOOP SAWCUT
			20,080	LF	LEAD-IN CABLE (***** (14-2)
			4	EA	LUMINAIRE ARM FOR VIDEO SYSTEM
			8	EA	RELOCATE CAMERA SENSOR UNIT
			17,500	LF	COMMUNICATIONS CABLE (**FIBER) (96)
			1,870	LF	DROP CABLE
			5	EA	SPLICE ENCLOSURE
6,260	SY	GEOTEXTILE FOR DRAINAGE			
1,563	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
113	EA	SIGN ERECTION, TYPE E			
1	EA	SIGN ERECTION, TYPE F			
42	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
1	EA	DISPOSAL OF SIGN SYSTEM, WOOD			
392	SF	WORK ZONE SIGNS (STATIONARY)			
197	SF	WORK ZONE SIGNS (PORTABLE)			
130	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
2	EA	FLASHING ARROW BOARD			
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
485	EA	DRUMS			
150	EA	CONES			
324	LF	BARRICADES (TYPE III)			
1,520	HR	FLAGGER			
2	EA	TEMPORARY CRASH CUSHIONS			
2	EA	RESET TEMPORARY CRASH CUSHION			
2	EA	TMA			
2,890	LF	PORTABLE CONCRETE BARRIER			
1,672	LF	RESET PORTABLE CONCRETE BARRIER			
160	HR	LAW ENFORCEMENT			
100	EA	SKINNY DRUM			
745	EA	TEMPORARY RAISED PAVEMENT MARKERS			
7,962	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
16,761	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
3,123	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
1,362	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
333	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
1,410	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)			
451	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
116	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
1,938	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)			
355	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (III)			
90,302	LF	PAINT PAVEMENT MARKING LINES (4")			
1,527	LF	PAINT PAVEMENT MARKING LINES (8")			
415	LF	PAINT PAVEMENT MARKING LINES (24")			
12	EA	PAINT PAVEMENT MARKING CHARACTER			
177	EA	PAINT PAVEMENT MARKING SYMBOL			
314	EA	PERMANENT RAISED PAVEMENT MARKERS			
560	LF	8" WATER LINE			
40	LF	12" WATER LINE			
4,238	LF	16" WATER LINE			
2	EA	8" VALVE			
1	EA	12" VALVE			
4	EA	16" VALVE			
17	EA	RELOCATE WATER METER			
1	EA	RECONNECT WATER METER			
1	EA	RELOCATE 3" RPZ BACKFLOW PREVENTION ASSEMBLY			
17	EA	RELOCATE FIRE HYDRANT			
94	LF	*** SANITARY GRAVITY SEWER (48")			
170	LF	18" SANITARY GRAVITY SEWER			
2	EA	** DIA UTILITY MANHOLE (7)			
2	EA	5' DIA UTILITY MANHOLE			
24	LF	UTILITY MANHOLE WALL, ** DIA (7)			
13	LF	UTILITY MANHOLE WALL, 5' DIA			
94	LF	ABANDON *** UTILITY PIPE (48")			
105	LF	ABANDON 12" UTILITY PIPE			
4,160	LF	ABANDON 16" UTILITY PIPE			
170	LF	ABANDON 18" UTILITY PIPE			
60	LF	ABANDON 30" UTILITY PIPE			
3	EA	REMOVE UTILITY MANHOLE			

4	EA	INTERCONNECT CENTER
3	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT
7	EA	DELINEATOR MARKER
4	EA	METAL STRAIN SIGNAL POLE
8	EA	METAL POLE WITH SINGLE MAST ARM
12	EA	SOIL TEST
96	CY	DRILLED PIER FOUNDATION
8	EA	MAST ARM WITH METAL POLE DE- SIGN
13	EA	SIGN FOR SIGNALS
23	EA	TYPE I POST WITH FOUNDATION
12	EA	TYPE II PEDESTAL WITH FOUND- ATION
3	EA	SIGNAL CABINET FOUNDATION
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
28	EA	DETECTOR CARD (TYPE 2070L)
3	EA	CABINET BASE EXTENDER
4	EA	METAL POLE FOUNDATION REMOVAL
4	EA	METAL POLE REMOVAL
3	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH

### CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (124+11.00 -L-)
718	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
1,088.6	CY	CLASS A CONCRETE (CULVERT)
189,306	LB	REINFORCING STEEL (CULVERT)

### WALL ITEMS

352.9	SF	MSE RETAINING WALL NO **** (1)
9,043.1	SF	SOLDIER PILE RETAINING WALLS

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (147+80.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (147+80.00 -L-)
384.7	LF	4'-0" DIA DRILLED PIERS IN SOIL
124	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
248.7	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
1	EA	PDA TESTING
2	EA	SID INSPECTIONS
12	EA	SPT TESTING
4	EA	CSL TESTING
25,401	SF	REINFORCED CONCRETE DECK SLAB
25,491	SF	GROOVING BRIDGE FLOORS
387.5	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (147+80.00 -L-)
146,770	LB	REINFORCING STEEL (BRIDGE)
16,070	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,882.9	LF	54" PRESTRESSED CONCRETE GIR- DERS
1,160	LF	HP12X53 STEEL PILES
485.5	LF	THREE BAR METAL RAIL
710	TON	RIP RAP CLASS II (2'-0" THICK)
789	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170221 005

CONTRACT ID : C203848 46098.3.1

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.102 MI

COUNTY : AVERY

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 1.0% WBE 3.0% COMPLETION DATE : APR 13 2018

BRIDGE #143 OVER LINVILLE RIVER ON SR-1536.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (12+71 -L-)
100	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
100	CY	SELECT GRANULAR MATERIAL
150	SY	GEOTEXTILE FOR SOIL STABILIZATION
170	SY	ROCK PLATING
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
20	SY	FOUNDATION CONDITIONING GEOTEXTILE
44	LF	24" RC PIPE CULVERTS, CLASS IV
8	LF	24" CS PIPE CULVERTS, 0.064" THICK
8	LF	PIPE REMOVAL
50	CY	SHALLOW UNDERCUT
80	TON	CLASS IV SUBGRADE STABILIZATION
93	TON	AGGREGATE BASE COURSE
50	TON	INCIDENTAL STONE BASE
88	GAL	PRIME COAT
300	SY	INCIDENTAL MILLING
220	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
190	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
23	TON	ASPHALT BINDER FOR PLANT MIX
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
56	CY	SUBDRAIN EXCAVATION
250	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
42	CY	SUBDRAIN COARSE AGGREGATE
250	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
75	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (T-101)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
25	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (350, TL-2)
70	TON	RIP RAP, CLASS II
7	TON	RIP RAP, CLASS B
810	SY	GEOTEXTILE FOR DRAINAGE
111	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
32	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
40	EA	DRUMS
64	LF	BARRICADES (TYPE III)
500	HR	FLAGGER
900	LF	PAINT PAVEMENT MARKING LINES (4")
1,350	LF	TEMPORARY SILT FENCE
180	TON	STONE FOR EROSION CONTROL, CLASS A
220	TON	STONE FOR EROSION CONTROL, CLASS B
230	TON	SEDIMENT CONTROL STONE
1.6	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING

0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
310	CY	SILT EXCAVATION
3,800	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
375	LF	1/4" HARDWARE CLOTH
150	SY	FLOATING TURBIDITY CURTAIN
4	EA	SPECIAL STILLING BASINS
200	LF	WATTLE
75	LB	POLYACRYLAMIDE (PAM)
1.6	ACR	SEEDING & MULCHING
0.8	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
400	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
15	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION
2	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (12+71.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (12+71.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (12+71.00-L-)
46.1	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (12+71.00-L-)
6,881	LB	REINFORCING STEEL (BRIDGE)
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE DECK GRINDING
37	LF	GENERIC STRUCTURE ITEM 2" DIA. ANCHOR HOLE NOT IN SOIL
810	LF	GENERIC STRUCTURE ITEM 3'-0" X 1'-7 1/2" PRESTRESSED CONCRETE CORED SLABS
282	LF	GENERIC STRUCTURE ITEM T101 RAIL
42	SY	GENERIC STRUCTURE ITEM APPROACH SLAB SHOULDER PROTECTION
10	EA	GENERIC STRUCTURE ITEM 7" DIA MICROPILES
1	EA	GENERIC STRUCTURE ITEM MICROPILE PROOF TESTS
1	EA	GENERIC STRUCTURE ITEM ROCK ANCHOR VERIFICATION TESTS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L170221 006

CONTRACT ID : C203847 46112.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.137 MI

COUNTY : RUTHERFORD

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : NOV 07 2018

BRIDGE #51 OVER FLOYDS CREEK ON SR-2213.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (15+40 -L-)
50	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
15	CY	DRAINAGE DITCH EXCAVATION
50	CY	SELECT GRANULAR MATERIAL
100	SY	GEOTEXTILE FOR SOIL STABILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
10	SY	FOUNDATION CONDITIONING GEOTEXTILE
28	LF	15" DRAINAGE PIPE
2	EA	*** DRAINAGE PIPE ELBOWS (15")
50	CY	SHALLOW UNDERCUT
100	TON	CLASS IV SUBGRADE STABILIZATION
132	TON	AGGREGATE BASE COURSE
50	TON	INCIDENTAL STONE BASE
95	GAL	PRIME COAT
300	SY	INCIDENTAL MILLING
520	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
120	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
480	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
60	TON	ASPHALT BINDER FOR PLANT MIX
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
10	EA	RIGHT OF WAY MARKERS
23	CY	SUBDRAIN EXCAVATION
100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
17	CY	SUBDRAIN COARSE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
1	EA	MASONRY DRAINAGE STRUCTURES
4	LF	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.29
45	LF	SHOULDER BERM GUTTER
65	SY	6" CONCRETE DRIVEWAY
2	EA	ADJUSTMENT OF MANHOLES
187.5	LF	STEEL BM GUARDRAIL
4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
35	TON	RIP RAP, CLASS I
86	TON	RIP RAP, CLASS B
670	SY	GEOTEXTILE FOR DRAINAGE
42	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
3	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
446	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
20	EA	DRUMS
20	EA	CONES
96	LF	BARRICADES (TYPE III)
70	DAY	FLAGGER

2,648	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
1,500	LF	TEMPORARY SILT FENCE
125	TON	STONE FOR EROSION CONTROL, CLASS A
200	TON	STONE FOR EROSION CONTROL, CLASS B
80	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
1	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
130	CY	SILT EXCAVATION
7,000	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
160	LF	1/4" HARDWARE CLOTH
30	LB	POLYACRYLAMIDE (PAM)
3	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
2	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
2	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+40.00-L-)
1	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+40.00-L-)
59.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+40.00-L-)
9,402	LB	REINFORCING STEEL (BRIDGE)
350	LF	HP12X53 STEEL PILES
184.37	LF	TWO BAR METAL RAIL
200	LF	1'-***X ***** CONCRETE PARAPET (1'-2" x 2'-10")
320	TON	RIP RAP CLASS II (2'-0" THICK)
355	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,100	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L170221 007

CONTRACT ID : C203870 50452.3.1

DIV OFFICE ASHEVILLE

LENGTH = 6.724 MI

COUNTY : MCDOWELL

PAVEMENT REHABILITATION AND BRIDGE REHABILITATION.

DBE GOAL 4.0% COMPLETION DATE : NOV 01 2017

I-40 FROM WEST OF NC-226 AT BRIDGE NUMBERS 136 & 137 TO WEST OF BURKE COUNTY LINE AT BRIDGE NUMBERS 163 & 165.

ROADWAY ITEMS					
			Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #138
Lump Sum	LS	MOBILIZATION			
60,356	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")	Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #143
2,050	SY	INCIDENTAL MILLING	Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #146
6,920	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #149
408	TON	ASPHALT BINDER FOR PLANT MIX	Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #151
622	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #152
10,206	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #138
1,066	TON	PATCHING EXISTING PAVEMENT	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #143
138,762	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #146
77,920	SY	GENERIC PAVING ITEM FINE MILLING (5/8")	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #149
5	EA	GENERIC DRAINAGE ITEM REMOVE AND REPLACE CONCRETE APRON	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #151
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #152
24	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BURIED IN CUT)	Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMERIC MIXER
30	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	51.3	CY	GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH
9	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	11.6	CF	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR
8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	453.5	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE
37	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83	55	LB	GENERIC STRUCTURE ITEM BEAM REPAIR
76,036	LF	GENERIC GUARDRAIL ITEM REMOVE AND RESET EXISTING GUARDRAIL	1,808	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
350	SF	WORK ZONE SIGNS (STATIONARY)	9.8	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY
224	SF	WORK ZONE SIGNS (PORTABLE)	2,777	SF	GENERIC STRUCTURE ITEM EPOXY COATING
16	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	58,294	SF	GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM-MECHANICALLY DISTRIBUTED
2	EA	FLASHING ARROW BOARD	978	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
3	EA	PORTABLE CHANGEABLE MESSAGE SIGN	978	SY	GENERIC STRUCTURE ITEM PLACING AND FINISHING OF LATEX MODIFIED CONCRETE OVERLAY-VES
260	EA	DRUMS	978	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
64	LF	BARRICADES (TYPE III)	19	EA	GENERIC STRUCTURE ITEM BRIDGE JACKING
2	EA	TMA			
275	HR	LAW ENFORCEMENT			
4	EA	GENERIC TRAFFIC CONTROL ITEM WORK ZONE DIGITAL SPEED LIMIT SIGNS			
12	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
157,298	LF	PAINT PAVEMENT MARKING LINES (4")			
12	EA	PAINT PAVEMENT MARKING SYMBOL			
157,298	LF	POLYUREA PAVEMENT MARKING LINES (6", *****)			
3,990	LF	POLYUREA PAVEMENT MARKING LINES (12", *****)			
5,489	LF	REMOVAL OF PAVEMENT MARKING LINES (6")			
1,086	EA	SNOWPLOWABLE PAVEMENT MARKERS			

STRUCTURE ITEMS

8,057	SF	GROOVING BRIDGE FLOORS
Lump Sum	LS	POLLUTION CONTROL
45	SY	CLASS II, SURFACE PREPARATION
2	SY	CLASS III, SURFACE PREPARATION
243.2	CF	CONCRETE REPAIRS
200	LF	EPOXY RESIN INJECTION
Lump Sum	LS	FOAM JOINT SEALS

