




STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

July 11, 2014

NOTICE TO: All Prequalified Contractors

FROM: R. A. Garris, PE   
State Contract Officer

SUBJECT: Broadcast of Raleigh Central Highway Letting

Effective with the July 15, 2014 Highway Letting the broadcast of the bid opening is changing to a new format. The new method will be 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.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-707-6900  
FAX: 919-250-4119

WEBSITE: [WWW.NCDOT.GOV](http://WWW.NCDOT.GOV)

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

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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON FEBRUARY 17, 2015. 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 20, 2015.  
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 Fussell, 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	Robert W Stone II, 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	Reuben D Chandler, 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** L150217

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C203638	2CR.10691.3	ETC. PAMLICO	15.236 MI	WIDENING, MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
002	C203540	42238.3.FD1	NEW HANOVER	0.098 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
003	C203630	46176.3.FS1	PENDER, NEW HANOVER	15.700 MI	MILLING & RESURFACING.
004	C203639	3CR.10651.170	NEW HANOVER	5.270 MI	MILLING & RESURFACING.
005	C202653	41871.3.FS1	JOHNSTON	2.198 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
006	C203537	42312.3.FD1	GRANVILLE	0.249 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
007	C203539	42285.3.FR1	HOKE	0.091 MI	GRADING, DRAINAGE, PAVING, CULVERT & BRIDGE STRENGTHENING.
008	C203636	8CR.10771.25	ETC RICHMOND, SCOTLAND	29.310 MI	MILLING & RESURFACING.
009	C203501	47038.3.FS1	MECKLENBURG	8.700 MI	MILLING & RESURFACING.
010	C203637	10CR.10041.52	ET ANSON	26.690 MI	RESURFACING, SHOULDER RECONST & FULL DEPTH RECLAMATION.
011	C203536	34518.3.FR4	ASHE	4.080 MI	GRADING, DRAINAGE, PAVING, SIGNALS & CULVERT.
012	C203538	42311.3.FD1	CATAWBA	0.142 MI	GRADING, DRAINAGE, PAVING, AND CULVERT.

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150217 001

CONTRACT ID : C203638 2CR.10691.3

DIV OFFICE GREENVILLE

LENGTH = 15.236 MI

COUNTY : PAMLICO

WIDENING, MILLING, RESURFACING &amp; SHOULDER RECONSTRUCTION.

MBE GOAL 1.0% WBE 3.0% COMPLETION DATE : JUN 30 2016

1 SECTION EACH OF NC-33, NC-304 AND NC-307 &amp; 1 SECTION OF SECONDARY ROAD.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
865	TON	INCIDENTAL STONE BASE
33.62	SMI	SHOULDER RECONSTRUCTION
14,214	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
4,400	SY	INCIDENTAL MILLING
26,070	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
32,550	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,100	TON	ASPHALT BINDER FOR PLANT MIX
1,867	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
1,027	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,100	LF	TEMPORARY SILT FENCE
260	LF	WATTLE
60	LB	POLYACRYLAMIDE (PAM)
17	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150217 002

CONTRACT ID : C203540 42238.3.FD1

DIV OFFICE CASTLE HAYNE

LENGTH = 0.098 MI

COUNTY : NEW HANOVER

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : SEP 28 2016

BRIDGE #35 OVER ABANDONED RAILROAD ON SR-1627 (3RD ST) IN WILMINGTON.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
Lump Sum	LS	CONSTRUCTION SURVEYING	4	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+84.96)	100	EA	DRUMS
Lump Sum	LS	GRADING	258	LF	BARRICADES (TYPE III)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2	EA	TMA
600	CY	UNDERCUT EXCAVATION	330	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
600	CY	SELECT GRANULAR MATERIAL	172	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
600	SY	GEOTEXTILE FOR SOIL STABILIZATION	236	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
74	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	46	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
187	SY	FOUNDATION CONDITIONING GEOTEXTILE	1,811	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)
228	LF	15" RC PIPE CULVERTS, CLASS IV	427	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (III)
152	LF	18" RC PIPE CULVERTS, CLASS IV	7	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (III)
184	LF	PIPE REMOVAL	Lump Sum	LS	GENERIC LIGHTING ITEM ORNAMENTAL LIGHTING INSTALLATION
1,000	SY	INCIDENTAL MILLING	Lump Sum	LS	GENERIC LIGHTING ITEM ORNAMENTAL LIGHTING STANDARDS & LUMINARIES
390	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	173	LF	8" WATER LINE
370	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	2	EA	8" VALVE
280	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	3	EA	RELOCATE WATER METER
55	TON	ASPHALT BINDER FOR PLANT MIX	4.5	CY	GENERIC UTILITY ITEM EXCAVATABLE FLOWABLE FILL
57	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	1,150	LF	TEMPORARY SILT FENCE
336	CY	SUBDRAIN EXCAVATION	150	TON	STONE FOR EROSION CONTROL, CLASS A
1,500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	15	TON	STONE FOR EROSION CONTROL, CLASS B
252	CY	SUBDRAIN COARSE AGGREGATE	150	TON	SEDIMENT CONTROL STONE
1,500	LF	6" PERFORATED SUBDRAIN PIPE	0.5	ACR	TEMPORARY MULCHING
3	EA	SUBDRAIN PIPE OUTLET	100	LB	SEED FOR TEMPORARY SEEDING
18	LF	6" OUTLET PIPE	0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
13	EA	MASONRY DRAINAGE STRUCTURES	200	LF	TEMPORARY SLOPE DRAINS
6	LF	MASONRY DRAINAGE STRUCTURES	100	LF	SAFETY FENCE
2	EA	FRAME WITH TWO GRATES, STD 840.16 (840.16)	40	CY	SILT EXCAVATION
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	1,000	SY	MATTING FOR EROSION CONTROL
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	705	LF	1/4" HARDWARE CLOTH
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	0.4	ACR	SEEDING & MULCHING
5	EA	FRAME WITH COVER, STD 840.54	0.2	ACR	MOWING
80	SY	4" CONCRETE SIDEWALK	50	LB	SEED FOR REPAIR SEEDING
5	EA	CONCRETE CURB RAMP	0.25	TON	FERTILIZER FOR REPAIR SEEDING
60	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	50	LB	SEED FOR SUPPLEMENTAL SEEDING
710	SF	GENERIC PAVING ITEM	0.5	TON	FERTILIZER TOPDRESSING
470	LF	INSTALLATION OF BRICK PAVERS	10	MHR	SPECIALIZED HAND MOWING
2	EA	ADJUSTMENT OF CATCH BASINS	12	EA	RESPONSE FOR EROSION CONTROL
6	EA	ADJUSTMENT OF MANHOLES	250	LF	TRACER WIRE
50	LF	GENERIC FENCING ITEM	700	LF	UNPAVED TRENCHING (***** (1, 2"))
264	LF	GENERIC FENCING ITEM	450	LF	DIRECTIONAL DRILL (***** (1, 2"))
110	LF	GENERIC FENCING ITEM	7	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
450	SY	SPECIAL PEDESTRIAN FENCE	1	EA	2" RISER WITH WEATHERHEAD
159	LF	GEOTEXTILE FOR DRAINAGE	350	LF	COMMUNICATIONS CABLE (**FIBER) (12)
10	EA	SUPPORTS, 3-LB STEEL U-CHANNEL	1	EA	SPLICE ENCLOSURE
8	EA	SIGN ERECTION, TYPE E	1	EA	MODIFY SPLICE ENCLOSURE
541	SF	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1	EA	INTERCONNECT CENTER
104	SF	WORK ZONE SIGNS (STATIONARY)	1	EA	GENERIC SIGNAL ITEM
84	SF	WORK ZONE SIGNS (PORTABLE)	1	EA	MODIFY ELECTRICAL SERVICE
84	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	1	EA	GENERIC SIGNAL ITEM
			1	EA	RELOCATE CCTV ASSEMBLY
			1	EA	GENERIC SIGNAL ITEM
			1	EA	SUPPLEMENTAL EQUIPMENT CABINET DISCONNECT
			1	EA	GENERIC SIGNAL ITEM
			1	EA	WOOD POLE (60')

120	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE
2,800	LF	GENERIC SIGNAL ITEM FEEDER CONDUCTORS (#6 AWG STRANDED COPPER)

**WALL ITEMS**

1,800	SF	SOLDIER PILE RETAINING WALLS
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**STRUCTURE ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+84.96-L-)
946.2	LF	***.***" DIA DRILLED PIERS (3'-0")
725.5	LF	***.***" DIA DRILLED PIERS (5'-6")
10	EA	SID INSPECTIONS
8	EA	SPT TESTING
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (16+84.96-L-)
22,704	SF	REINFORCED CONCRETE DECK SLAB
19,475	SF	GROOVING BRIDGE FLOORS
309.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+84.96-L-)
269,600	LB	REINFORCING STEEL (BRIDGE)
45,840	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,161.34	LF	54" PRESTRESSED CONCRETE GIR- DERS
522.5	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL CONDUIT SYSTEM
544.9	LF	GENERIC STRUCTURE ITEM CLASSIC CONCRETE BRIDGE RAIL
1,800	SF	GENERIC STRUCTURE ITEM ANTI-GRAFFITI COATING



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

L150217 003

CONTRACT ID : C203630 46176.3.FS1

DIV OFFICE CASTLE HAYNE

LENGTH = 15.700 MI

COUNTY : PENDER, NEW HANOVER

MILLING &amp; RESURFACING.

DBE GOAL 10.0% COMPLETION DATE : JUL 31 2016

I-40 FROM MP 408.2 TO MP 420.4 &amp; I-40 FROM MP 389.5 TO 393.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
881	LF	GENERIC MISCELLANEOUS ITEM DEBRIS REMOVAL EXISTING SHOULDER BERM GUTTER
19,419	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
724,359	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (1-1/2" TO 2-3/4")
68,939	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
4,067	TON	ASPHALT BINDER FOR PLANT MIX
2,175	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
35,655	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MODIFIED
324,825	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
500	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)
750	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)
100	TON	GENERIC PAVING ITEM WEDGING COURSE
170	LF	GENERIC PAVING ITEM REMOVE & REPLACE SHOULDER BERM GUTTER
800	LF	STEEL BM GUARDRAIL
200	EA	ADDITIONAL GUARDRAIL POSTS
6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
23,396	LF	GENERIC GUARDRAIL ITEM REMOVE & RESET EXISTING GUARDRAIL
608	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
310	HR	LAW ENFORCEMENT
54	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
422,178	LF	PAINT PAVEMENT MARKING LINES (6")
11,789	LF	PAINT PAVEMENT MARKING LINES (12")
54	EA	PAINT PAVEMENT MARKING SYMBOL
422,178	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
11,789	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
7,184	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
2,403	EA	SNOWPLOWABLE PAVEMENT MARKERS
40	EA	GENERIC TRAFFIC CONTROL ITEM RELENS SNOWPLOWABLE PAVEMENT MARKER
Lump Sum	LS	PORTABLE LIGHTING
350	LF	INDUCTIVE LOOP SAWCUT

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150217 004

CONTRACT ID : C203639 3CR.10651.170

DIV OFFICE CASTLE HAYNE

LENGTH = 5.270 MI

COUNTY : NEW HANOVER

MILLING &amp; RESURFACING.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : SEP 18 2015

US-117 FROM I-40 TO BRIDGE AT MARKET STREET AND US-74 FROM KORNEGAY AVE TO CARDINAL DR.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
125	LF	GENERIC MISCELLANEOUS ITEM DEBRIS REMOVAL EXISTING SHOULDER BERM GUTTER
10	TON	INCIDENTAL STONE BASE
318,872	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
38,605	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,278	TON	ASPHALT BINDER FOR PLANT MIX
1,632	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
125	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)
500	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)
5	EA	RETROFIT EXISTING CURB RAMP
12	LF	GENERIC PAVING ITEM 2'-6" CURB & GUTTER, REMOVE & REPLACE
43	LF	GENERIC PAVING ITEM REMOVE & REPLACE SHOULDER BERM GUTTER
1	EA	GENERIC PAVING ITEM REMOVE & REPLACE CURB RAMP
11	EA	GENERIC PAVING ITEM REMOVE CONCRETE CURB RAMP
1	EA	ADJUSTMENT OF DROP INLETS
12	EA	ADJUSTMENT OF MANHOLES
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
2	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
387.5	LF	GENERIC GUARDRAIL ITEM REMOVE & REPLACE EXISTING GUARDRAIL
5,090	LF	GENERIC GUARDRAIL ITEM REMOVE & RESET EXISTING GUARDRAIL
95	EA	GENERIC GUARDRAIL ITEM ADDITIONAL GUARDRAIL POSTS
160	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
718	HR	LAW ENFORCEMENT
90,450	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
40,763	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
635	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
180	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1,910	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
46	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
280	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
314	EA	PERMANENT RAISED PAVEMENT MARKERS
2,112	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
15,820	LF	INDUCTIVE LOOP SAWCUT
2,260	LF	LEAD-IN CABLE (***** (14-2)

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

L150217 005

CONTRACT ID : C202653 41871.3.FS1

DIV OFFICE WILSON

LENGTH = 2.198 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, SIGNALS &amp; STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : JAN 11 2018

US-70 EAST OF I-95 FROM SR-2305 (FIRETOWER RD) TO EAST OF SR-2310 (DAVIS MILL RD - STEVENS CHAPEL RD).

ROADWAY ITEMS				
			500 TON	STABILIZER AGGREGATE
			22,000 SY	GEOTEXTILE FOR PAVEMENT STA-BILIZATION
Lump Sum	LS	MOBILIZATION	17,000 TON	AGGREGATE BASE COURSE
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	1,000 TON	INCIDENTAL STONE BASE
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	3,000 GAL	PRIME COAT
3	EA	SEALING ABANDONED WELLS	74,600 SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
55,000	CY	UNCLASSIFIED EXCAVATION	730 SY	INCIDENTAL MILLING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (23+58.45 -Y6-)	9,200 TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (29+20.80 -Y1-)	1,400 TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
10,000	CY	UNDERCUT EXCAVATION	5,100 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
335,000	CY	BORROW EXCAVATION	1,000 TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
8,805	CY	DRAINAGE DITCH EXCAVATION	10,600 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
12,800	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	6,500 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
100	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	1,780 TON	ASPHALT BINDER FOR PLANT MIX
13,300	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	500 TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
7,500	CY	SELECT GRANULAR MATERIAL	123 EA	RIGHT OF WAY MARKERS
17,000	SY	GEOTEXTILE FOR SOIL STABILIZA-TION	179.2 CY	SUBDRAIN EXCAVATION
30	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLE-UM CONTAMINATED SOIL	800 SY	GEOTEXTILE FOR SUBSURFACE DRAINS
1,380	TON	FOUNDATION CONDITIONING MATE-RIAL, MINOR STRUCTURES	134.4 CY	SUBDRAIN COARSE AGGREGATE
3,827	SY	FOUNDATION CONDITIONING GEO-TEXTILE	800 LF	6" PERFORATED SUBDRAIN PIPE
36	LF	*** SIDE DRAIN PIPE (30")	2 EA	SUBDRAIN PIPE OUTLET
448	LF	15" SIDE DRAIN PIPE	12 LF	6" OUTLET PIPE
88	LF	24" SIDE DRAIN PIPE	3 CY	ENDWALLS
848	LF	15" RC PIPE CULVERTS, CLASS III	4 CY	PIPE COLLARS
340	LF	18" RC PIPE CULVERTS, CLASS III	1 CY	PIPE PLUGS
112	LF	24" RC PIPE CULVERTS, CLASS III	58 CY	FLOWABLE FILL
104	LF	30" RC PIPE CULVERTS, CLASS III	80 EA	MASONRY DRAINAGE STRUCTURES
224	LF	36" RC PIPE CULVERTS, CLASS III	28 LF	MASONRY DRAINAGE STRUCTURES
2,488	LF	15" RC PIPE CULVERTS, CLASS IV	16 EA	FRAME WITH TWO GRATES, STD 840.22
652	LF	18" RC PIPE CULVERTS, CLASS IV	4 EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
364	LF	24" RC PIPE CULVERTS, CLASS IV	1 EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
224	LF	30" RC PIPE CULVERTS, CLASS IV	4 EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
680	LF	15" CS PIPE CULVERTS, 0.064" THICK	55 EA	STEEL FRAME WITH TWO GRATES, STD 840.37
20	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	19 EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
239	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (15", 0.500")	8 EA	GENERIC DRAINAGE ITEM DROP INLET REPAIR
125	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	1,300 LF	2'-6" CONCRETE CURB & GUTTER
117	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")	4,330 LF	SHOULDER BERM GUTTER
129	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.500")	120 SY	6" CONCRETE DRIVEWAY
67	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	250 SY	4" CONCRETE PAVED DITCH
63	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	2,300 SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1,099	LF	PIPE REMOVAL	290 LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION
150	SY	6" SLOPE PROTECTION	4 EA	IMPACT ATTENUATOR UNIT, TYPE 350
Lump Sum	LS	FINE GRADING	25,875 LF	STEEL BM GUARDRAIL
2,400	CY	SHALLOW UNDERCUT	137.5 LF	STEEL BM GUARDRAIL, SHOP CURVED
3,600	TON	CLASS IV SUBGRADE STABILIZA-TION	6 EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			50 EA	ADDITIONAL GUARDRAIL POSTS
			7 EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			16 EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			14 EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			1,322 LF	REMOVE EXISTING GUARDRAIL
			1,250 LF	DOUBLE FACED CABLE GUIDERAIL

			45	LF	POLYUREA PAVEMENT MARKING LINES (8", *****)
					(HIGHLY REFLECTIVE ELEMENTS)
			9,834	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			100	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
			84	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
			843	EA	PERMANENT RAISED PAVEMENT MARKERS
			4	EA	7" U-CHANNEL POSTS
			5	EA	FLEXIBLE DELINEATORS (YELLOW)
			4	EA	OBJECT MARKERS (END OF ROAD)
			19	EA	OBJECT MARKERS (TYPE **)
					(I)
			5	EA	OBJECT MARKERS (TYPE **)
					(II)
			424	LF	4" WATER LINE
			1,374	LF	6" WATER LINE
			2,514	LF	8" WATER LINE
			6,109	LF	12" WATER LINE
			1	EA	4" VALVE
			3	EA	6" VALVE
			3	EA	8" VALVE
			5	EA	12" VALVE
			1	EA	3/4" WATER METER
			4	EA	RELOCATE WATER METER
			7	EA	FIRE HYDRANT
			600	LF	ABANDON *** UTILITY PIPE (4")
			1,070	LF	ABANDON 6" UTILITY PIPE
			1,900	LF	ABANDON 8" UTILITY PIPE
			140	LF	ABANDON 10" UTILITY PIPE
			5,140	LF	ABANDON 12" UTILITY PIPE
			70	LF	ABANDON 20" UTILITY PIPE
			440	LF	16" ENCASEMENT PIPE
			145	LF	20" ENCASEMENT PIPE
			288	LF	TRENCHLESS INSTALLATION OF 8" IN SOIL
			288	LF	TRENCHLESS INSTALLATION OF 8" NOT IN SOIL
			175	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
			175	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
			25,000	LF	TEMPORARY SILT FENCE
			1,400	TON	STONE FOR EROSION CONTROL, CLASS A
			1,000	TON	STONE FOR EROSION CONTROL, CLASS B
			1,500	TON	SEDIMENT CONTROL STONE
			40	ACR	TEMPORARY MULCHING
			2,450	LB	SEED FOR TEMPORARY SEEDING
			11.5	TON	FERTILIZER FOR TEMPORARY SEEDING
			1,460	LF	TEMPORARY SLOPE DRAINS
			100	LF	SAFETY FENCE
			116,960	CY	SILT EXCAVATION
			26,000	SY	MATTING FOR EROSION CONTROL
			220	SY	COIR FIBER MAT
			2,015	SY	PERMANENT SOIL REINFORCEMENT MAT
			3,500	LF	1/4" HARDWARE CLOTH
			10	EA	SPECIAL STILLING BASINS
			2,700	LF	COIR FIBER WATTLE
			920	LB	POLYACRYLAMIDE (PAM)
			3,000	LF	COIR FIBER BAFFLE
			9	EA	*** SKIMMER (1-1/2")
			6	EA	*** SKIMMER (2")
			2	EA	*** SKIMMER (2-1/2")
			1	EA	*** SKIMMER (4")
			40	ACR	SEEDING & MULCHING
			40	ACR	MOWING
			1,000	LB	SEED FOR REPAIR SEEDING
			2.5	TON	FERTILIZER FOR REPAIR SEEDING
			1,550	LB	SEED FOR SUPPLEMENTAL SEEDING
			46.5	TON	FERTILIZER TOPDRESSING
			1,155	LF	IMPERVIOUS DIKE
			100	MHR	SPECIALIZED HAND MOWING
			50	EA	RESPONSE FOR EROSION CONTROL
			550	CY	CULVERT DIVERSION CHANNEL
			1	ACR	REFORESTATION
			1.28	ACR	STREAMBANK REFORESTATION
			2,390	LF	SIGNAL CABLE
			17	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
3	EA	ADDITIONAL GUIDERAIL POSTS			
4	EA	CABLE GUIDERAIL ANCHOR UNITS			
13,800	LF	WOVEN WIRE FENCE, 47" FABRIC			
840	EA	4" TIMBER FENCE POSTS, 7'-6" LONG			
280	EA	5" TIMBER FENCE POSTS, 8'-0" LONG			
1,000	LF	ADDITIONAL BARBED WIRE			
2	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (47", 12', 12')			
239	TON	RIP RAP, CLASS I			
1,825	TON	RIP RAP, CLASS B			
7,828	SY	GEOTEXTILE FOR DRAINAGE			
16	CY	REINFORCED CONCRETE SIGN FOUNDATIONS			
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS			
14,389	LB	SUPPORTS, BREAKAWAY STEEL BEAM			
4,142	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
16	EA	SIGN ERECTION, TYPE D			
148	EA	SIGN ERECTION, TYPE E			
47	EA	SIGN ERECTION, TYPE F			
16	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)			
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)			
2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM			
109	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
3	EA	DISPOSAL OF SIGN SYSTEM, WOOD			
2	EA	DISPOSAL OF SUPPORT, U-CHANNEL			
3,300	SF	WORK ZONE SIGNS (STATIONARY)			
1,978	SF	WORK ZONE SIGNS (PORTABLE)			
893	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
4	EA	FLASHING ARROW BOARD			
5	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
80	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)			
529	EA	DRUMS			
140	EA	CONES			
832	LF	BARRICADES (TYPE III)			
5,040	HR	FLAGGER			
4	EA	TEMPORARY CRASH CUSHIONS			
8	EA	RESET TEMPORARY CRASH CUSHION			
4	EA	TMA			
2,300	LF	PORTABLE CONCRETE BARRIER			
7,740	LF	RESET PORTABLE CONCRETE BARRIER			
240	HR	LAW ENFORCEMENT			
967	EA	TEMPORARY RAISED PAVEMENT MARKERS			
75,710	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
26,793	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
4,097	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
278	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
528	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
67	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
4	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (III)			
2	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (III)			
193,994	LF	PAINT PAVEMENT MARKING LINES (4")			
5,340	LF	PAINT PAVEMENT MARKING LINES (8")			
732	LF	PAINT PAVEMENT MARKING LINES (24")			
12	EA	PAINT PAVEMENT MARKING CHARACTER			
58	EA	PAINT PAVEMENT MARKING SYMBOL			
2,435	LF	POLYUREA PAVEMENT MARKING LINES (4", *****)			
		(HIGHLY REFLECTIVE ELEMENTS)			

			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (33+45.98-L-)
			71,963	LB	REINFORCING STEEL (BRIDGE)
			3,538	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
			963.3	LF	54" PRESTRESSED CONCRETE GIR- DERS
			673,200	LS	APPROX ..... LBS STRUCTURAL STEEL
			2,800	LF	HP12X53 STEEL PILES
			1,320	LF	HP14X73 STEEL PILES
			104	EA	STEEL PILE POINTS
			1,021.51	LF	CONCRETE BARRIER RAIL
			1,114	SY	4" SLOPE PROTECTION
			Lump Sum	LS	DISC BEARINGS
			Lump Sum	LS	ELASTOMERIC BEARINGS
			Lump Sum	LS	EXPANSION JOINT SEALS
			Lump Sum	LS	GENERIC STRUCTURE ITEM APPLICATION OF BRIDGE COATING
2	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
1,100	LF	MESSENGER CABLE (3/8")			
1,840	LF	UNPAVED TRENCHING (***** (1, 2")			
20	LF	UNPAVED TRENCHING (***** (2, 2")			
24	EA	JUNCTION BOX (STANDARD SIZE)			
2,380	LF	INDUCTIVE LOOP SAWCUT			
6,700	LF	LEAD-IN CABLE (***** (14-2)			
8	EA	METAL STRAIN SIGNAL POLE			
8	EA	SOIL TEST			
56	CY	DRILLED PIER FOUNDATION			
3	EA	SIGN FOR SIGNALS			
2	EA	SIGNAL CABINET FOUNDATION			
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			
13	EA	DETECTOR CARD (TYPE 2070L)			
2	EA	CABINET BASE EXTENDER			
2	EA	TRAFFIC SIGNAL REMOVAL			
4	EA	METAL POLE FOUNDATION REMOVAL			
4	EA	METAL POLE REMOVAL			
1	EA	GENERIC SIGNAL ITEM REMOVE EXISTING SIGN			
4	EA	GENERIC SIGNAL ITEM REMOVE EXISTING VEHICLE SIGNAL HEAD			
780	CY	CHANNEL EXCAVATION			

**CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (118+94.95-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+31.50-Y1-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (26+21.25-Y6-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (26+51.38-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (118+94.95-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (17+33.63-Y6LPB-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (24+31.50-Y1-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (26+21.25-Y6-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (26+51.38-L-)
1,095.4	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
2,188.9	CY	CLASS A CONCRETE (CULVERT)
315,537	LB	REINFORCING STEEL (CULVERT)

**WALL ITEMS**

4,470	SF	MSE RETAINING WALL NO **** (1)
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**STRUCTURE ITEMS**

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,115+83.99-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,33+45.98-L-)
1	EA	PDA TESTING
29,486	SF	REINFORCED CONCRETE DECK SLAB
27,928	SF	GROOVING BRIDGE FLOORS
532.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (115+83.99-L-)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150217 006

CONTRACT ID : C203537 42312.3.FD1

DIV OFFICE DURHAM

LENGTH = 0.249 MI

COUNTY : GRANVILLE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : FEB 10 2016

BRIDGE #215 OVER LITTLE GRASSY CREEK ON SR-1432.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (14+17.00)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
200	CY	UNDERCUT EXCAVATION
200	CY	SELECT GRANULAR MATERIAL
300	SY	GEOTEXTILE FOR SOIL STABILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
30	SY	FOUNDATION CONDITIONING GEOTEXTILE
28	LF	18" SIDE DRAIN PIPE
44	LF	15" CS PIPE CULVERTS, 0.064" THICK
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
21	LF	PIPE REMOVAL
200	TON	INCIDENTAL STONE BASE
360	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
320	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
38	TON	ASPHALT BINDER FOR PLANT MIX
18	EA	RIGHT OF WAY MARKERS
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
35	LF	SHOULDER BERM GUTTER
75	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III, SHOP CURVED)
285	TON	RIP RAP, CLASS I
35	TON	RIP RAP, CLASS II
55	TON	RIP RAP, CLASS B
1,200	SY	GEOTEXTILE FOR DRAINAGE
288	SF	WORK ZONE SIGNS (STATIONARY)
107	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
5,600	LF	PAINT PAVEMENT MARKING LINES (4")
475	LF	TEMPORARY SILT FENCE
150	TON	STONE FOR EROSION CONTROL, CLASS A
190	TON	STONE FOR EROSION CONTROL, CLASS B
75	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
220	CY	SILT EXCAVATION
1,000	SY	MATTING FOR EROSION CONTROL
200	SY	COIR FIBER MAT
550	SY	PERMANENT SOIL REINFORCEMENT MAT
130	LF	1/4" HARDWARE CLOTH
120	LF	COIR FIBER WATTLE
85	LB	POLYACRYLAMIDE (PAM)
70	LF	COIR FIBER BAFFLE
1	EA	*** SKIMMER (1-1/2")
1	ACR	SEEDING & MULCHING
0.5	ACR	MOWING

50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (14+17.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+17.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (14+17.00-L-)
49	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+17.00-L-)
6,862	LB	REINFORCING STEEL (BRIDGE)
140	LF	HP12X53 STEEL PILES
10	EA	STEEL PILE POINTS
170	LF	VERTICAL CONCRETE BARRIER RAIL
340	TON	RIP RAP CLASS II (2'-0" THICK)
375	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
850	LF	3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150217 007

CONTRACT ID : C203539 42285.3.FR1

DIV OFFICE ABERDEEN

LENGTH = 0.091 MI

COUNTY : HOKE

GRADING, DRAINAGE, PAVING, CULVERT & BRIDGE STRENGTHENING.

DBE GOAL 9.0% COMPLETION DATE : APR 10 2017

BRIDGE #4 OVER RAFT SWAMP ON NC-211.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	18	EA	RESPONSE FOR EROSION CONTROL
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING			
400	CY	UNDERCUT EXCAVATION			
400	CY	SELECT GRANULAR MATERIAL, CLASS III			
400	SY	GEOTEXTILE FOR SOIL STABILIZATION			
4	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
11	SY	FOUNDATION CONDITIONING GEOTEXTILE			
32	LF	15" DRAINAGE PIPE			
2	EA	*** DRAINAGE PIPE ELBOWS (15")			
250	SY	INCIDENTAL MILLING			
400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
340	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
170	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
45	TON	ASPHALT BINDER FOR PLANT MIX			
1	EA	MASONRY DRAINAGE STRUCTURES			
1	EA	FRAME WITH TWO GRATES, STD 840.29			
30	LF	SHOULDER BERM GUTTER			
525	LF	STEEL BM GUARDRAIL			
10	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
270	TON	RIP RAP, CLASS I			
1	TON	RIP RAP, CLASS B			
735	SY	GEOTEXTILE FOR DRAINAGE			
720	SF	WORK ZONE SIGNS (STATIONARY)			
83	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
88	LF	BARRICADES (TYPE III)			
960	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
960	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
6	EA	PERMANENT RAISED PAVEMENT MARKERS			
1,655	LF	TEMPORARY SILT FENCE			
150	TON	STONE FOR EROSION CONTROL, CLASS A			
60	TON	STONE FOR EROSION CONTROL, CLASS B			
215	TON	SEDIMENT CONTROL STONE			
2	ACR	TEMPORARY MULCHING			
200	LB	SEED FOR TEMPORARY SEEDING			
1	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
800	LF	SAFETY FENCE			
80	CY	SILT EXCAVATION			
4,500	SY	MATTING FOR EROSION CONTROL			
200	SY	COIR FIBER MAT			
300	SY	PERMANENT SOIL REINFORCEMENT MAT			
400	LF	1/4" HARDWARE CLOTH			
50	SY	FLOATING TURBIDITY CURTAIN			
5	EA	SPECIAL STILLING BASINS			
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			
1.5	TON	FERTILIZER TOPDRESSING			
420	LF	IMPERVIOUS DIKE			
10	MHR	SPECIALIZED HAND MOWING			

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+00.00-L-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+00.00-L-)			
201	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT			
365.1	CY	CLASS A CONCRETE (CULVERT)			
46,550	LB	REINFORCING STEEL (CULVERT)			

STRUCTURE ITEMS

1	EA	PDA TESTING			
8,115	LS	APPROX ..... LBS STRUCTURAL STEEL			
680	LF	HP12X53 GALVANIZED STEEL PILES			
12	EA	PILE REDRIVES			
8.2	CF	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR			

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150217 008

CONTRACT ID : C203636 8CR.10771.25

DIV OFFICE ABERDEEN

LENGTH = 29.310 MI

COUNTY : RICHMOND, SCOTLAND

MILLING &amp; RESURFACING.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE : NOV 14 2015

3 SECTIONS OF US-74 BYPASS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
657,274	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
57,840	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
3,412	TON	ASPHALT BINDER FOR PLANT MIX
1,910	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
428	HR	LAW ENFORCEMENT
88,261	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
14,605	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
366,587	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
49,162	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
2,840	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
13,830	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
105	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
106	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
102,700	LF	PAINT PAVEMENT MARKING LINES (4")
362,100	LF	PAINT PAVEMENT MARKING LINES (6")
2,860	LF	PAINT PAVEMENT MARKING LINES (8")
13,700	LF	PAINT PAVEMENT MARKING LINES (12")
105	LF	PAINT PAVEMENT MARKING LINES (24")
94	EA	PAINT PAVEMENT MARKING SYMBOL
6,047	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
6,047	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
4,532	EA	SNOWPLOWABLE PAVEMENT MARKERS



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

L150217 009

CONTRACT ID : C203501 47038.3.FS1

DIV OFFICE ALBEMARLE

LENGTH = 8.700 MI

COUNTY : MECKLENBURG

MILLING &amp; RESURFACING.

DBE GOAL 9.0% COMPLETION DATE : OCT 16 2015

I-485 FROM SR-5722 TO US-74 (INDEPENDENCE BLVD).

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,419	CY	BORROW EXCAVATION
20	SMI	SHOULDER RECONSTRUCTION
193,175	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
152,777	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
1,457	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
7,628	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
3,209	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (2-1/2" TO 4")
2,447	SY	INCIDENTAL MILLING
22,436	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D
40,254	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
1,010	TON	ASPHALT BINDER FOR PLANT MIX
2,294	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
2,000	TON	PATCHING EXISTING PAVEMENT
93,374	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
510	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
40	HR	LAW ENFORCEMENT
49,603	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
5,178	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
174,434	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
23,532	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
1,999	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
9,220	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1,496	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
314	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
87	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
252,747	LF	PAINT PAVEMENT MARKING LINES (4")
12,715	LF	PAINT PAVEMENT MARKING LINES (8")
314	LF	PAINT PAVEMENT MARKING LINES (24")
20	EA	PAINT PAVEMENT MARKING CHARAC- TER
87	EA	PAINT PAVEMENT MARKING SYMBOL
2,119	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
1,917	LF	TEMPORARY SILT FENCE
256	TON	STONE FOR EROSION CONTROL, CLASS B
128	TON	SEDIMENT CONTROL STONE
384	LF	WATTLE
12	LB	POLYACRYLAMIDE (PAM)

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150217 010

CONTRACT ID : C203637 10CR.10041.52

DIV OFFICE ALBEMARLE

LENGTH = 26.690 MI

COUNTY : ANSON

RESURFACING, SHOULDER RECONST &amp; FULL DEPTH RECLAMATION.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : JUN 20 2016

1 SECTION OF US-52, 2 SECTIONS OF NC-109 AND 12 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,567	CY	BORROW EXCAVATION
171,242	SY	GENERIC GRADING ITEM
		SOIL CEMENT BASE (FULL DEPTH RECLAMATION)
5,006	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
3,798	TON	INCIDENTAL STONE BASE
21	SMI	SHOULDER RECONSTRUCTION
537	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1")
15,488	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
2,720	SY	INCIDENTAL MILLING
4,635	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
12,444	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,948	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
1,432	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
12,108	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
50	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
2,059	TON	ASPHALT BINDER FOR PLANT MIX
5,564	TON	PATCHING EXISTING PAVEMENT
155,767	SY	ASPHALT SURFACE TREATMENT, SPLIT SEAL
350	SY	6" CONCRETE DRIVEWAY
1	EA	ADJUSTMENT OF MANHOLES
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
2,990	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
88,781	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
72,078	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
156	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
11,616	LF	PAINT PAVEMENT MARKING LINES (4")
560	EA	PERMANENT RAISED PAVEMENT MARKERS
5,444	LF	TEMPORARY SILT FENCE
601	TON	STONE FOR EROSION CONTROL, CLASS B
302	TON	SEDIMENT CONTROL STONE
5,444	LF	WATTLE
15	LB	POLYACRYLAMIDE (PAM)

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

L150217 011

CONTRACT ID : C203536 34518.3.FR4

DIV OFFICE NORTH WILKESBORO

LENGTH = 4.080 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING, SIGNALS &amp; CULVERT.

DBE GOAL 8.0% COMPLETION DATE : FEB 28 2019

US-221 FROM SOUTH OF NC-194 TO US-221 BYPASS.

ROADWAY ITEMS					
			224	LF	30" CS PIPE CULVERTS, 0.079" THICK
			4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
			2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
			1,590	LF	PIPE REMOVAL
			5	EA	PIPE CLEAN-OUT
Lump Sum	LS	MOBILIZATION	Lump Sum	LS	FINE GRADING
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	31,650	SY	LIME TREATED SOIL (SLURRY METHOD)
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	320	TON	LIME FOR LIME TREATED SOIL
500	CY	UNDERCUT EXCAVATION	14	TON	#57 STONE
6,350	CY	DRAINAGE DITCH EXCAVATION	1,500	CY	SHALLOW UNDERCUT
1,830	LF	BERM DITCH CONSTRUCTION	3,000	TON	CLASS IV SUBGRADE STABILIZATION
18,500	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	500	TON	STABILIZER AGGREGATE
20	HR	PROOF ROLLING	26,193	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
3,500	CY	SELECT GRANULAR MATERIAL	47,480	SY	SOIL CEMENT BASE
6,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	1,310	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
2,640	SF	TEMPORARY SHORING	11,870	GAL	ASPHALT CURING SEAL
2,850	SY	REINFORCED SOIL SLOPES	500	TON	INCIDENTAL STONE BASE
2,649	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	11,000	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
12,390	SY	FOUNDATION CONDITIONING GEOTEXTILE	2,000	SY	INCIDENTAL MILLING
696	LF	*** SIDE DRAIN PIPE (30")	4,100	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
288	LF	*** SIDE DRAIN PIPE (36")	2,010	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
12	LF	*** SIDE DRAIN PIPE (42")	36,640	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
3,912	LF	15" SIDE DRAIN PIPE	3,140	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,192	LF	18" SIDE DRAIN PIPE	28,720	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,740	LF	24" SIDE DRAIN PIPE	500	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
17	EA	*** SIDE DRAIN PIPE ELBOWS (15")	336	CY	SUBDRAIN EXCAVATION
4	EA	*** SIDE DRAIN PIPE ELBOWS (18")	168	CY	SUBDRAIN FINE AGGREGATE
7	EA	*** SIDE DRAIN PIPE ELBOWS (24")	1,000	LF	6" PERFORATED SUBDRAIN PIPE
4	EA	*** SIDE DRAIN PIPE ELBOWS (30")	2	EA	SUBDRAIN PIPE OUTLET
2	EA	*** SIDE DRAIN PIPE ELBOWS (36")	12	LF	6" OUTLET PIPE
1,060	LF	15" RC PIPE CULVERTS, CLASS III	15	TON	BLOTTING SAND
356	LF	18" RC PIPE CULVERTS, CLASS III	19	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
788	LF	24" RC PIPE CULVERTS, CLASS III	14.7	CY	ENDWALLS
200	LF	30" RC PIPE CULVERTS, CLASS III	36.1	CY	REINFORCED ENDWALLS
248	LF	36" RC PIPE CULVERTS, CLASS III	33.3	CY	PIPE COLLARS
36	LF	42" RC PIPE CULVERTS, CLASS III	0.4	CY	PIPE PLUGS
40	LF	60" RC PIPE CULVERTS, CLASS III	166	EA	MASONRY DRAINAGE STRUCTURES
32	LF	66" RC PIPE CULVERTS, CLASS III	24.6	CY	MASONRY DRAINAGE STRUCTURES
5,180	LF	15" RC PIPE CULVERTS, CLASS IV	209	LF	MASONRY DRAINAGE STRUCTURES
796	LF	18" RC PIPE CULVERTS, CLASS IV	9	EA	FRAME WITH TWO GRATES, STD 840.16
108	LF	24" RC PIPE CULVERTS, CLASS IV	48	EA	FRAME WITH TWO GRATES, STD 840.20
852	LF	30" RC PIPE CULVERTS, CLASS IV	52	EA	FRAME WITH TWO GRATES, STD 840.22
84	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	10	EA	FRAME WITH TWO GRATES, STD 840.24
28	LF	*** CS PIPE CULVERTS, ***** THICK (42", 0.109")	10	EA	FRAME WITH TWO GRATES, STD 840.29
84	LF	*** CS PIPE CULVERTS, ***** THICK (60", 0.138")	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
196	LF	*** CS PIPE CULVERTS, ***** THICK (84", 0.168")	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
168	LF	15" CS PIPE CULVERTS, 0.064" THICK	4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
84	LF	18" CS PIPE CULVERTS, 0.064" THICK	32	EA	FRAME WITH COVER, STD 840.54
148	LF	24" CS PIPE CULVERTS, 0.064" THICK	51	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET

				12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
				144	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
37,350	LF	***	CONCRETE CURB & GUTTER (2'-9")	359,947	LF	PAINT PAVEMENT MARKING LINES (4")
1,450	LF		2'-6" CONCRETE CURB & GUTTER	1,038	LF	PAINT PAVEMENT MARKING LINES (8")
3,690	LF		SHOULDER BERM GUTTER	1,616	LF	PAINT PAVEMENT MARKING LINES (24")
200	LF		CONCRETE EXPRESSWAY GUTTER	24	EA	PAINT PAVEMENT MARKING CHARACTER
300	SY		4" CONCRETE PAVED DITCH	208	EA	PAINT PAVEMENT MARKING SYMBOL
2,750	SY		5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	88,176	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
2	EA		CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE	3,214	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS)
17,012.5	LF		STEEL BM GUARDRAIL	80,458	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
950	LF		STEEL BM GUARDRAIL, SHOP CURVED	313	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
10	EA		ADDITIONAL GUARDRAIL POSTS	216	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
2	EA		GUARDRAIL ANCHOR UNITS, TYPE ***** (350 TL-2)	43	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
18	EA		GUARDRAIL ANCHOR UNITS, TYPE CAT-1	383	EA	SNOWPLOWABLE PAVEMENT MARKERS
25	EA		GUARDRAIL ANCHOR UNITS, TYPE 350	694	LF	6" WATER LINE
16,400	LF		REMOVE EXISTING GUARDRAIL	1	EA	2" AIR RELEASE VALVE
37.5	LF		TEMPORARY STEEL BM GUARDRAIL	1,806	LF	8" SANITARY GRAVITY SEWER
50	LF		TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)	295	LF	4" FORCE MAIN SEWER
4	EA		TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	8	EA	4" DIA UTILITY MANHOLE
42,900	LF		WOVEN WIRE FENCE, 47" FABRIC	52	LF	UTILITY MANHOLE WALL, 4' DIA
2,660	EA		4" TIMBER FENCE POSTS, 7'-6" LONG	6	EA	ABANDON UTILITY MANHOLE
750	EA		5" TIMBER FENCE POSTS, 8'-0" LONG	139	LF	16" ENCASEMENT PIPE
2,000	LF		ADDITIONAL BARBED WIRE	39	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
1,000	LF		GENERIC FENCING ITEM TEMP 4 STRAND BARBED WIRE FENCE WITH POSTS	39	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
1,915	TON		RIP RAP, CLASS I	64,500	LF	TEMPORARY SILT FENCE
130	TON		RIP RAP, CLASS II	2,475	TON	STONE FOR EROSION CONTROL, CLASS A
800	TON		RIP RAP, CLASS B	10,000	TON	STONE FOR EROSION CONTROL, CLASS B
30	TON		BOULDERS	6,475	TON	SEDIMENT CONTROL STONE
4,630	SY		GEOTEXTILE FOR DRAINAGE	300	ACR	TEMPORARY MULCHING
5	EA		PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	135,000	LB	SEED FOR TEMPORARY SEEDING
3	CY		REINFORCED CONCRETE SIGN FOUNDATIONS	68	TON	FERTILIZER FOR TEMPORARY SEEDING
1	CY		PLAIN CONCRETE SIGN FOUNDATIONS	4,500	LF	TEMPORARY SLOPE DRAINS
1,853	LB		SUPPORTS, BREAKAWAY STEEL BEAM	6,500	LF	SAFETY FENCE
493	LB		SUPPORTS, SIMPLE STEEL BEAM	30,340	CY	SILT EXCAVATION
3,192	LF		SUPPORTS, 3-LB STEEL U-CHANNEL	290,000	SY	MATTING FOR EROSION CONTROL
5	EA		SIGN ERECTION, TYPE D	1,975	SY	COIR FIBER MAT
102	EA		SIGN ERECTION, TYPE E	4,770	SY	PERMANENT SOIL REINFORCEMENT MAT
32	EA		SIGN ERECTION, TYPE F	9,100	LF	1/4" HARDWARE CLOTH
3	EA		SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	110	LF	*** TEMPORARY PIPE (12")
2	EA		SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	80	CY	STILLING BASINS
8	EA		SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	8,600	LF	COIR FIBER WATTLE
4	EA		DISPOSAL OF SIGN SYSTEM, STEEL BEAM	8,500	LB	POLYACRYLAMIDE (PAM)
61	EA		DISPOSAL OF SIGN SYSTEM, U-CHANNEL	4,800	LF	COIR FIBER BAFFLE
8	EA		DISPOSAL OF SUPPORT, U-CHANNEL	2	EA	*** SKIMMER (1-1/2")
6	EA		DISPOSAL OF SIGN, D, E OR F	3	EA	*** SKIMMER (2")
1,448	SF		WORK ZONE SIGNS (STATIONARY)	1	EA	*** SKIMMER (2-1/2")
432	SF		WORK ZONE SIGNS (PORTABLE)	180	ACR	SEEDING & MULCHING
411	SF		WORK ZONE SIGNS (BARRICADE MOUNTED)	80	ACR	MOWING
2	EA		FLASHING ARROW BOARD	3,600	LB	SEED FOR REPAIR SEEDING
2	EA		PORTABLE CHANGEABLE MESSAGE SIGN	9	TON	FERTILIZER FOR REPAIR SEEDING
60	DAY		PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	4,475	LB	SEED FOR SUPPLEMENTAL SEEDING
710	EA		DRUMS	134	TON	FERTILIZER TOPDRESSING
100	EA		CONES	250	LF	IMPERVIOUS DIKE
528	LF		BARRICADES (TYPE III)	150	MHR	SPECIALIZED HAND MOWING
360	DAY		FLAGGER	200	EA	RESPONSE FOR EROSION CONTROL
2	EA		TMA	0.65	ACR	REFORESTATION
100	EA		SKINNY DRUM	0.65	ACR	STREAMBANK REFORESTATION
30	EA		TUBULAR MARKERS (FIXED)	4,210	LF	SIGNAL CABLE
2,353	EA		TEMPORARY RAISED PAVEMENT MARKERS	16	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
816	LF		THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
422	LF		THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	8	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
				1,380	LF	MESSENGER CABLE (3/8")
				1,340	LF	UNPAVED TRENCHING (*****) (1, 2")
				15	EA	JUNCTION BOX (STANDARD SIZE)

1 EA JUNCTION BOX (OVER-SIZED, HEAVY DUTY)  
 4 EA WOOD POLE  
 8 EA GUY ASSEMBLY  
 1 EA 1" RISER WITH WEATHERHEAD  
 2 EA 2" RISER WITH WEATHERHEAD  
 2,340 LF INDUCTIVE LOOP SAWCUT  
 6,820 LF LEAD-IN CABLE (\*\*\*\*\*)  
 (14-2)  
 1 EA SITE SURVEY  
 4 EA LUMINAIRE ARM FOR VIDEO SYSTEM  
 4 EA CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT  
 1 EA EXTERNAL LOOP EMULATOR PROCESSING UNIT  
 4 EA METAL STRAIN SIGNAL POLE  
 4 EA SOIL TEST  
 32 CY DRILLED PIER FOUNDATION  
 5 EA SIGN FOR SIGNALS  
 1 EA SIGNAL CABINET FOUNDATION  
 1 EA CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)  
 11 EA DETECTOR CARD (TYPE 2070L)  
 1 EA CABINET BASE EXTENDER

\*\*\*\*\* BEGIN SCHEDULE AA \*\*\*\*\*  
 \*\*\*\*\* ( 2 ALTERNATES ) \*\*\*\*\*

514,000 CY UNCLASSIFIED EXCAVATION  
 39,830 TON AGGREGATE BASE COURSE  
 10,200 CY SHOULDER BORROW  
 19,920 TON ASPHALT CONC BASE COURSE, TYPE B25.0C  
 4,800 TON ASPHALT BINDER FOR PLANT MIX  
 \*\*\* OR \*\*\*  
 505,400 CY UNCLASSIFIED EXCAVATION  
 50 TON AGGREGATE BASE COURSE  
 4,500 CY SHOULDER BORROW  
 34,210 TON ASPHALT CONC BASE COURSE, TYPE B25.0C  
 5,430 TON ASPHALT BINDER FOR PLANT MIX

\*\*\* END SCHEDULE AA \*\*\*

**CULVERT ITEMS**

Lump Sum LS CULVERT EXCAVATION, STA \*\*\*\*\*  
 (660+64.00-L-)  
 177 TON FOUNDATION CONDITIONING MATERIAL, BOX CULVERT  
 392.7 CY CLASS A CONCRETE (CULVERT)  
 43,845 LB REINFORCING STEEL (CULVERT)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150217 012

CONTRACT ID : C203538 42311.3.FD1

DIV OFFICE SHELBY

LENGTH = 0.142 MI

COUNTY : CATAWBA

GRADING, DRAINAGE, PAVING, AND CULVERT.

DBE GOAL 8.0% COMPLETION DATE : OCT 28 2016

BRIDGE #34 OVER FALLING CREEK ON SR-1404.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	
Lump Sum	LS	CONSTRUCTION SURVEYING	
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	
	1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
	4,800	CY	UNCLASSIFIED EXCAVATION
	750	CY	UNDERCUT EXCAVATION
	8,200	CY	BORROW EXCAVATION
	190	CY	DRAINAGE DITCH EXCAVATION
	1,680	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
	700	SY	GEOTEXTILE FOR SOIL STABILIZATION
	2,086.18	SF	TEMPORARY SHORING
	72	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
	660	SY	FOUNDATION CONDITIONING GEOTEXTILE
	44	LF	18" RC PIPE CULVERTS, CLASS III
	228	LF	*** CS PIPE CULVERTS, ***** THICK (120", 0.168")
	268	LF	PIPE REMOVAL
Lump Sum	LS		FINE GRADING
	300	CY	SHALLOW UNDERCUT
	570	TON	CLASS IV SUBGRADE STABILIZATION
	710	TON	AGGREGATE BASE COURSE
	100	TON	INCIDENTAL STONE BASE
	530	GAL	PRIME COAT
	300	SY	INCIDENTAL MILLING
	300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
	160	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
	660	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
	65	TON	ASPHALT BINDER FOR PLANT MIX
	50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
	680	SF	SANDBAG HEADWALLS
	130	LF	2'-6" CONCRETE CURB & GUTTER
	325	LF	STEEL BM GUARDRAIL
	5	EA	ADDITIONAL GUARDRAIL POSTS
	4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
	300	LF	TEMPORARY STEEL BM GUARDRAIL
	4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
	60	TON	RIP RAP, CLASS I
	3	TON	RIP RAP, CLASS B
	575	SY	GEOTEXTILE FOR DRAINAGE
	54	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
	4	EA	SIGN ERECTION, TYPE E
	10	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	88	SF	WORK ZONE SIGNS (STATIONARY)
	144	SF	WORK ZONE SIGNS (PORTABLE)
	76	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
	40	EA	DRUMS
	30	EA	CONES
	48	LF	BARRICADES (TYPE III)
	640	HR	FLAGGER
	1	EA	TMA
	20	EA	TEMPORARY RAISED PAVEMENT MARKERS
	751	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
	3,229	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
	12,100	LF	PAINT PAVEMENT MARKING LINES (4")

	300	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
	9	EA	SNOWPLOWABLE PAVEMENT MARKERS
	435	LF	12" WATER LINE
	138	LF	8" SANITARY GRAVITY SEWER
	3	EA	4' DIA UTILITY MANHOLE
	405	LF	ABANDON 12" UTILITY PIPE
	2,200	LF	TEMPORARY SILT FENCE
	195	TON	STONE FOR EROSION CONTROL, CLASS A
	465	TON	STONE FOR EROSION CONTROL, CLASS B
	320	TON	SEDIMENT CONTROL STONE
	5	ACR	TEMPORARY MULCHING
	400	LB	SEED FOR TEMPORARY SEEDING
	3.5	TON	FERTILIZER FOR TEMPORARY SEEDING
	325	LF	TEMPORARY SLOPE DRAINS
	200	LF	SAFETY FENCE
	630	CY	SILT EXCAVATION
	9,000	SY	MATTING FOR EROSION CONTROL
	250	SY	COIR FIBER MAT
	1,000	SY	PERMANENT SOIL REINFORCEMENT MAT
	360	LF	1/4" HARDWARE CLOTH
	115	CY	STILLING BASINS
	4	EA	SPECIAL STILLING BASINS
	300	LF	WATTLE
	155	LB	POLYACRYLAMIDE (PAM)
	335	LF	COIR FIBER BAFFLE
	3	EA	*** SKIMMER (1-1/2")
	5	ACR	SEEDING & MULCHING
	2.5	ACR	MOWING
	50	LB	SEED FOR REPAIR SEEDING
	0.25	TON	FERTILIZER FOR REPAIR SEEDING
	125	LB	SEED FOR SUPPLEMENTAL SEEDING
	3.5	TON	FERTILIZER TOPDRESSING
	450	LF	IMPERVIOUS DIKE
	10	MHR	SPECIALIZED HAND MOWING
	25	EA	RESPONSE FOR EROSION CONTROL
	325	CY	CULVERT DIVERSION CHANNEL
	0.5	ACR	REFORESTATION

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+73.60 -L-)	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+73.60 -L-)	
	158	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
	317.3	CY	CLASS A CONCRETE (CULVERT)
	36,999	LB	REINFORCING STEEL (CULVERT)
Lump Sum	LS	GENERIC CULVERT ITEM	
			PLACEMENT OF NATURAL STREAM BED MATERIAL

