



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

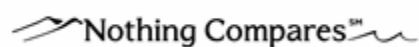
The Highway Letting broadcast of bid opening has changed to a new format. The new method is broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

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.





PAT McCRORY  
*Governor*

NICHOLAS J. TENNYSON  
*Secretary*

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.

**Nothing Compares**




PAT McCRORY  
Governor

NICHOLAS J. TENNYSON  
Secretary

November 22, 2016

NOTICE TO: All Prequalified Contractors

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

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SUBJECT: Division MBE and WBE Banking

Effective with the January 2017 Division lettings, the *Minority Business Enterprise and Women Business Enterprise (Division)* special provision (SP1 G67) will include an option for banking of MBE and WBE participation.

Banking has typically been a practice that applies to central-let state-funded projects only. However, for the time period of January 1, 2017 through September 30, 2017, the Department will allow the practice of banking to be applied to Division-let state-funded projects of any size as a pilot.

The use of banking will be monitored by the Office of Civil Rights and will be evaluated based on the following:

- MBE and WBE utilization
- Number of times banking deposits are made
- Number of times banking withdrawals are made
- Number of times a bidder falls short of the advertised goal(s) and submits a Good Faith Effort
- The impact of banking on MBE and WBE firms

After the evaluation of the pilot, a report will be presented to the Office of the Secretary to determine if banking on Division contracts should continue. The Office of Civil Rights invites comments from the contracting community, MBEs and WBEs throughout the duration of the pilot. All written comments received prior to September 30, 2017 will be included in the report. Comments may be sent to [dbe@ncdot.gov](mailto:dbe@ncdot.gov) with the subject line "Banking Pilot".



**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 MAY 16, 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 ABID 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 APRIL 18, 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** L170516

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C203907	36596.3.4	NASH	2.044 MI	GRADING, DRAINAGE, PAVING, SIGNALS, NOISE WALL & STRS.
002	C203903	38543.3.1	JOHNSTON	0.099 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
003	C203806	38600.3.2	WAKE, FRANKLIN	0.105 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
004	C203492	38664.3.4	DURHAM	1.756 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.
005	C203844	34900.3.5	ALAMANCE	3.457 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
006	C204018	2017CPT.08.24.10831 ETC.	SCOTLAND, HOKE	27.959 MI	MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
007	C204019	2017CPT.08.26.10761 ETC.	RANDOLPH	37.330 MI	MILLING, RESURFACING, WIDENING AND SHOULDER RECONSTRUCTION.
008	C204022	2017CPT.12.17.10181 ETC.	CATAWBA	40.810 MI	MILLING, WIDENING, RESURFACING AND SHOULDER RECONSTRUCTION.
009	C204016	2017CPT.12.19.10361 ETC.	GASTON	44.890 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
010	C204009	2017CPT.12.20.10491 ETC.	IREDELL	62.348 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
011	C203905	34497.3.6	CLEVELAND	4.792 MI	GRADING, DRAINAGE, PAVING, RETAINING WALL, AND STRUCTURES.
012	C204020	44973.3.3	HYDE, DARE	0.000 MI	CONSTRUCTION OF ONE PASSENGER FERRY.

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

L170516 001

CONTRACT ID : C203907 36596.3.4

DIV OFFICE WILSON

LENGTH = 2.044 MI

COUNTY : NASH

GRADING, DRAINAGE, PAVING, SIGNALS, NOISE WALL &amp; STRS.

DBE GOAL 8.0% COMPLETION DATE : APR 29 2020

US-301 BYPASS FROM SR-1836 (MAY DRIVE) TO NC-43/48 (BENVENUE ROAD).

ROADWAY ITEMS				
			3,500	SY GEOTEXTILE FOR PAVEMENT STA-BILIZATION
			1,900	TON AGGREGATE BASE COURSE
			4,000	TON INCIDENTAL STONE BASE
			1,438	GAL PRIME COAT
			1,600	SY MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
			11,300	SY MILLING ASPHALT PAVEMENT, ***" DEPTH (3")
			17,100	SY INCIDENTAL MILLING
			26,300	TON ASPHALT CONC BASE COURSE, TYPE B25.0B
			21,000	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
			33,500	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			4,180	TON ASPHALT BINDER FOR PLANT MIX
			900	TON ASPHALT PLANT MIX, PAVEMENT REPAIR
			23	EA RIGHT OF WAY MARKERS
			896	CY SUBDRAIN EXCAVATION
			4,000	SY GEOTEXTILE FOR SUBSURFACE DRAINS
			672	CY SUBDRAIN COARSE AGGREGATE
			4,000	LF 6" PERFORATED SUBDRAIN PIPE
			8	EA SUBDRAIN PIPE OUTLET
			48	LF 6" OUTLET PIPE
			2,928	CY PIPE COLLARS
			23	CY FLOWABLE FILL
			167	EA MASONRY DRAINAGE STRUCTURES
			26,997	CY MASONRY DRAINAGE STRUCTURES
			196.9	LF MASONRY DRAINAGE STRUCTURES
			22	EA FRAME WITH TWO GRATES, STD 840.16
			69	EA FRAME WITH TWO GRATES, STD 840.24
			14	EA FRAME WITH TWO GRATES, STD 840.29
			3	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			10	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			11	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			39	EA FRAME WITH COVER, STD 840.54
			20	EA CONCRETE TRANSITIONAL SECTION FOR DROP INLET
			2,000	LF 1'-6" CONCRETE CURB & GUTTER
			4,900	LF 2'-6" CONCRETE CURB & GUTTER
			780	LF SHOULDER BERM GUTTER
			200	LF CONCRETE EXPRESSWAY GUTTER
			1,100	SY 4" CONCRETE SIDEWALK
			10	EA CONCRETE CURB RAMP
			70	SY 4" CONCRETE ISLAND COVER
			4,400	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			1,075	LF PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
			230	LF GENERIC PAVING ITEM
				MEDIAN HAZARD PROTECTION
			5	EA IMPACT ATTENUATOR UNIT, TYPE 350
			2,850	LF STEEL BM GUARDRAIL
			575	LF STEEL BM GUARDRAIL, SHOP CURVED
			10	EA ADDITIONAL GUARDRAIL POSTS
			5	EA GUARDRAIL ANCHOR UNITS, TYPE AT-1
			3	EA GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			2	EA GUARDRAIL ANCHOR UNITS, TYPE III
			10	EA GUARDRAIL ANCHOR UNITS, TYPE 350
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
Lump Sum	LS	CLEARING & GRUBBING, ACRE(S)		
	I	ACR SUPPLEMENTARY CLEARING & GRUB-BING		
	40,900	CY UNCLASSIFIED EXCAVATION		
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (18+22 -Y1- LT)		
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (18+22 -Y1- RT)		
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (61+03 -L-)		
	5,100	CY UNDERCUT EXCAVATION		
	69,500	CY BORROW EXCAVATION		
	1,900	CY DRAINAGE DITCH EXCAVATION		
	2,600	SY REMOVAL OF EXISTING ASPHALT PAVEMENT		
	1,500	CY SELECT GRANULAR MATERIAL		
	27,900	SY GEOTEXTILE FOR SOIL STABILIZA-TION		
	497.2	SF TEMPORARY SHORING		
	250	SY ROCK PLATING		
	50	TON GENERIC GRADING ITEM		
		STOCKPILING PETROLEUM CONTAM-INATED SOIL		
	1,720	TON FOUNDATION CONDITIONING MATE-RIAL, MINOR STRUCTURES		
	5,400	SY FOUNDATION CONDITIONING GEO-TEXTILE		
	1,472	LF ***" SIDE DRAIN PIPE (30")		
	348	LF ***" SIDE DRAIN PIPE (36")		
	396	LF ***" SIDE DRAIN PIPE (42")		
	2,112	LF 15" SIDE DRAIN PIPE		
	1,128	LF 18" SIDE DRAIN PIPE		
	1,880	LF 24" SIDE DRAIN PIPE		
	16	EA ***" SIDE DRAIN PIPE ELBOWS (15")		
	16	LF 15" RC PIPE CULVERTS, CLASS III		
	24	LF 24" RC PIPE CULVERTS, CLASS III		
	360	LF ***** RC PIPE CULVERTS, CLASS IV (48")		
	24	LF ***** RC PIPE CULVERTS, CLASS IV (66")		
	308	LF ***** RC PIPE CULVERTS, CLASS IV (72")		
	4,120	LF 15" RC PIPE CULVERTS, CLASS IV		
	652	LF 18" RC PIPE CULVERTS, CLASS IV		
	1,124	LF 24" RC PIPE CULVERTS, CLASS IV		
	988	LF 30" RC PIPE CULVERTS, CLASS IV		
	524	LF 36" RC PIPE CULVERTS, CLASS IV		
	524	LF 42" RC PIPE CULVERTS, CLASS IV		
	100	LF ***" WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.5")		
	100	LF ***" WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.5")		
	3,164	LF PIPE REMOVAL		
	160	SY 6" SLOPE PROTECTION		
Lump Sum	LS	FINE GRADING		
	8,500	CY SHALLOW UNDERCUT		
	17,000	TON CLASS IV SUBGRADE STABILIZA-TION		
	500	TON CLASS IV AGGREGATE STABILIZA-TION		



			265	EA	TEMPORARY RAISED PAVEMENT MARKERS
			47,359	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
18	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	24,001	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,410	LF	REMOVE EXISTING GUARDRAIL	4,847	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,100	LF	TEMPORARY STEEL BM GUARDRAIL	1,639	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)	241	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)	2,449	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (W-BEAM)	24	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
5	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	288	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
16,000	LF	WOVEN WIRE FENCE, 47" FABRIC	1,713	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
1,005	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	1,648	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
275	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	8	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
200	LF	ADDITIONAL BARBED WIRE	73,188	LF	PAINT PAVEMENT MARKING LINES (4")
1	EA	DOUBLE GATES, *** HIGH, *** WIDE, ** OPENING (48", 10', 20')	1,956	LF	PAINT PAVEMENT MARKING LINES (8")
465	TON	RIP RAP, CLASS I	1,154	LF	PAINT PAVEMENT MARKING LINES (24")
165	TON	RIP RAP, CLASS B	146	EA	PAINT PAVEMENT MARKING SYMBOL
3,650	SY	GEOTEXTILE FOR DRAINAGE	6	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
4	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	66	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS	1	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
42	CY	OVERHEAD FOOTING	1,628	EA	PERMANENT RAISED PAVEMENT MARKERS
5,123	LB	SUPPORTS, BREAKAWAY STEEL BEAM	2	CY	CLASS B CONCRETE FOR ENCASING UTILITY LINES
755	LB	SUPPORTS, SIMPLE STEEL BEAM	429	LF	6" WATER LINE
2,700	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	302	LF	8" WATER LINE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (116+75 -L-)	178	LF	16" WATER LINE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (124+75 -L-)	1,079	LF	20" WATER LINE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (91+85 -L-)	1,502	LF	24" WATER LINE
8	EA	SIGN ERECTION, TYPE D	25,175	LB	DUCTILE IRON WATER PIPE FITTINGS
190	EA	SIGN ERECTION, TYPE E	2	EA	6" VALVE
27	EA	SIGN ERECTION, TYPE F	1	EA	8" VALVE
3	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	2	EA	20" VALVE
11	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	2	EA	2" BLOW OFF
5	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED)	9	EA	RELOCATE WATER METER
18	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED)	14	EA	RECONNECT WATER METER
3	EA	DISPOSAL OF SUPPORT, STEEL BEAM	2	EA	FIRE HYDRANT
1	EA	DISPOSAL OF SUPPORT, WOOD	4	EA	RELOCATE FIRE HYDRANT
158	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	380	LF	8" SANITARY GRAVITY SEWER
14	EA	DISPOSAL OF SIGN SYSTEM, WOOD	175	LF	10" SANITARY GRAVITY SEWER
16	EA	DISPOSAL OF SUPPORT, U-CHANNEL	260	LF	24" SANITARY GRAVITY SEWER
1,458	SF	WORK ZONE SIGNS (STATIONARY)	3	EA	4' DIA UTILITY MANHOLE
192	SF	WORK ZONE SIGNS (PORTABLE)	4	EA	5' DIA UTILITY MANHOLE
203	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	12.3	LF	UTILITY MANHOLE WALL, 4' DIA
2	EA	FLASHING ARROW BOARD	22.2	LF	UTILITY MANHOLE WALL, 5' DIA
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	502	LF	ABANDON 6" UTILITY PIPE
682	EA	DRUMS	712	LF	ABANDON 8" UTILITY PIPE
41	EA	CONES	490	LF	ABANDON 12" UTILITY PIPE
744	LF	BARRICADES (TYPE III)	162	LF	ABANDON 16" UTILITY PIPE
200	HR	FLAGGER	1,063	LF	ABANDON 20" UTILITY PIPE
7	EA	TEMPORARY CRASH CUSHIONS	1,715	LF	ABANDON 24" UTILITY PIPE
4	EA	RESET TEMPORARY CRASH CUSHION	2	EA	REMOVE FIRE HYDRANT
4	EA	TMA	1	EA	REMOVE UTILITY MANHOLE
3,842	LF	PORTABLE CONCRETE BARRIER	155	LF	16" ENCASEMENT PIPE
205	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	65	LF	18" ENCASEMENT PIPE
3,454	LF	RESET PORTABLE CONCRETE BARRIER	497	LF	36" ENCASEMENT PIPE
80	HR	LAW ENFORCEMENT	78	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
15	EA	TUBULAR MARKERS (FIXED)	77	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
1,100	LF	GENERIC TRAFFIC CONTROL ITEM WORK ZONE ASPHALT ISLAND	33	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL
			32	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL
			323	LF	TRENCHLESS INSTALLATION OF 20" IN SOIL
			323	LF	TRENCHLESS INSTALLATION OF 20" NOT IN SOIL
			93	LF	TRENCHLESS INSTALLATION OF 36" IN SOIL

			10	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
			23	EA	RELOCATE CAMERA SENSOR UNIT
92	LF	TRENCHLESS INSTALLATION OF 36" NOT IN SOIL	11,404	LF	COMMUNICATIONS CABLE (**FIBER) (24)
26,000	LF	TEMPORARY SILT FENCE	1,676	LF	COMMUNICATIONS CABLE (**FIBER) (36)
1,150	TON	STONE FOR EROSION CONTROL, CLASS A	7,268	LF	DROP CABLE
1,850	TON	STONE FOR EROSION CONTROL, CLASS B	9	EA	SPLICE ENCLOSURE
3,370	TON	SEDIMENT CONTROL STONE	16	EA	MODIFY SPLICE ENCLOSURE
67.5	ACR	TEMPORARY MULCHING	19	EA	INTERCONNECT CENTER
2,600	LB	SEED FOR TEMPORARY SEEDING	2	EA	DELINEATOR MARKER
14	TON	FERTILIZER FOR TEMPORARY SEEDING	4,646	LF	REMOVE EXISTING COMMUNICATIONS CABLE
1,550	LF	TEMPORARY SLOPE DRAINS	28	EA	METAL STRAIN SIGNAL POLE
600	LF	SAFETY FENCE	6	EA	METAL POLE WITH SINGLE MAST ARM
9,220	CY	SILT EXCAVATION	34	EA	SOIL TEST
14,000	SY	MATTING FOR EROSION CONTROL	324	CY	DRILLED PIER FOUNDATION
3,465	SY	COIR FIBER MAT	1	EA	METAL STRAIN POLE DESIGN
10,775	LF	1/4" HARDWARE CLOTH	6	EA	MAST ARM WITH METAL POLE DESIGN
250	SY	LOW PERMEABILITY GEOTEXTILE	35	EA	SIGN FOR SIGNALS
7	EA	SPECIAL STILLING BASINS	9	EA	TYPE II PEDESTAL WITH FOUNDATION
7,200	LF	WATTLE	9	EA	RELOCATE EXISTING SIGN
5,220	LB	POLYACRYLAMIDE (PAM)	14	EA	SIGNAL CABINET FOUNDATION
1,905	LF	COIR FIBER BAFFLE	14	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
2	EA	*** SKIMMER (1-1/2")	1	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
3	EA	*** SKIMMER (2")	93	EA	DETECTOR CARD (TYPE 2070L)
42	ACR	SEEDING & MULCHING	14	EA	CABINET BASE EXTENDER
33	ACR	MOWING	1	EA	GENERIC SIGNAL ITEM CCTV ELECTRICAL SERVICE
700	LB	SEED FOR REPAIR SEEDING	1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE (60')
2	TON	FERTILIZER FOR REPAIR SEEDING	15	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
975	LB	SEED FOR SUPPLEMENTAL SEEDING	8	EA	GENERIC SIGNAL ITEM EV PREEMPT PHASE SELECTOR
29.25	TON	FERTILIZER TOPDRESSING	10	EA	GENERIC SIGNAL ITEM INFRARED DETECTOR
135	LF	IMPERVIOUS DIKE	1	EA	GENERIC SIGNAL ITEM RELOCATE EXISTING CCTV CABINET (POLE MOUNT)
25	MHR	SPECIALIZED HAND MOWING	1	EA	GENERIC SIGNAL ITEM RELOCATE EXISTING CCTV CAMERA ASSEMBLY
150	EA	RESPONSE FOR EROSION CONTROL	32	EA	GENERIC SIGNAL ITEM RELOCATE INFRARED DETECTOR
0.1	ACR	REFORESTATION	12	EA	GENERIC SIGNAL ITEM REMOVE COMMUNICATIONS WOOD POLE
10	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE	1	EA	GENERIC SIGNAL ITEM SOIL TEST FOR CCTV METAL POLE
27,720	LF	SIGNAL CABLE	1,005	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE
206	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	7,490	LF	GENERIC SIGNAL ITEM INFRARED DETECTOR CABLE
14	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	8	CY	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION FOR CCTV METAL POLE
20	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
3	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD			
33	EA	RELOCATE EXISTING VEHICLE SIGNAL HEAD			
5,294	LF	MESSENGER CABLE (1/4")			
11,200	LF	MESSENGER CABLE (3/8")			
473	LF	TRACER WIRE			
130	LF	PAVED TRENCHING (***** (1, 2"))			
7,902	LF	UNPAVED TRENCHING (***** (1, 2"))			
340	LF	UNPAVED TRENCHING (***** (2, 2"))			
680	LF	UNPAVED TRENCHING (***** (3, 2"))			
250	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN			
540	LF	DIRECTIONAL DRILL (***** (1, 2"))			
275	LF	DIRECTIONAL DRILL (***** (2, 2"))			
280	LF	DIRECTIONAL DRILL (***** (3, 2"))			
83	EA	JUNCTION BOX (STANDARD SIZE)			
19	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
37	EA	WOOD POLE			
68	EA	GUY ASSEMBLY			
15	EA	1" RISER WITH WEATHERHEAD			
36	EA	2" RISER WITH WEATHERHEAD			
9	EA	HEAT SHRINK TUBING RETROFIT KIT	1,260	SF	MSE RETAINING WALL NO **** (1)
19	EA	2" RISER WITH HEAT SHRINK TUBING	9,990	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL CONCRETE SURFACE TREATMENT
17,960	LF	INDUCTIVE LOOP SAWCUT	9,990	SF	GENERIC RETAINING WALL ITEM NOISE WALL
50,580	LF	LEAD-IN CABLE (***** (14-2))			
13	EA	SITE SURVEY			
34	EA	LUMINAIRE ARM FOR VIDEO SYSTEM			
34	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT			

### CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (113+48.00 -L-)
46	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
104.4	CY	CLASS A CONCRETE (CULVERT)
9,668	LB	REINFORCING STEEL (CULVERT)

### WALL ITEMS

1,260	SF	MSE RETAINING WALL NO **** (1)
9,990	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL CONCRETE SURFACE TREATMENT
9,990	SF	GENERIC RETAINING WALL ITEM NOISE WALL

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

385 SF SHEET PILE RETAINING WALLS  
 \*\*\* OR \*\*\*  
 385 SF SOLDIER PILE RETAINING WALLS

\*\*\* END SCHEDULE IA \*\*\*

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (61+03.00 -L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (61+03.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+22.61 -Y1- LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+22.61 -Y1- RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (61+03.00 -L-)
318	LF	3'-6" DIA DRILLED PIERS IN SOIL
47	LF	4'-0" DIA DRILLED PIERS IN SOIL
166	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
22	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
42.2	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
6	EA	SID INSPECTIONS
4	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+22.61 -Y1- LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+22.61 -Y1- RT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (61+03.00 -L-)
43,247	SF	REINFORCED CONCRETE DECK SLAB
45,671	SF	GROOVING BRIDGE FLOORS
555	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+22.61 -Y1- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+22.61 -Y1- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (61+03.00 -L-)
122,630	LB	REINFORCING STEEL (BRIDGE)
15,983	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,231,369	LS	APPROX ..... LBS STRUCTURAL STEEL
60	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
1,750	LF	HP12X53 STEEL PILES
394.9	LF	THREE BAR METAL RAIL
817.47	LF	CONCRETE BARRIER RAIL
1,374	SY	4" SLOPE PROTECTION
845	TON	RIP RAP CLASS II (2'-0" THICK)
940	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	DISC BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 002

CONTRACT ID : C203903 38543.3.1

DIV OFFICE WILSON

LENGTH = 0.099 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 1.0% WBE 2.0% COMPLETION DATE : MAY 14 2018

BRIDGE #11 OVER MILL CREEK ON SR-1201.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	2	EA	GENERIC EROSION CONTROL ITEM
Lump Sum	LS	CONSTRUCTION SURVEYING			CONCRETE WASHOUT STRUCTURE
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (16+82 -L-)			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
200	CY	UNDERCUT EXCAVATION			
200	CY	SELECT GRANULAR MATERIAL			
200	SY	GEOTEXTILE FOR SOIL STABILIZATION			
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
25	SY	FOUNDATION CONDITIONING GEOTEXTILE			
68	LF	15" DRAINAGE PIPE			
100	TON	INCIDENTAL STONE BASE			
280	SY	INCIDENTAL MILLING			
203	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
220	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
25	TON	ASPHALT BINDER FOR PLANT MIX			
8	EA	RIGHT OF WAY MARKERS			
4	EA	MASONRY DRAINAGE STRUCTURES			
4	EA	FRAME WITH TWO GRATES, STD 840.29			
70	LF	SHOULDER BERM GUTTER			
50	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
50	LF	REMOVE EXISTING GUARDRAIL			
5	TON	RIP RAP, CLASS B			
220	SY	GEOTEXTILE FOR DRAINAGE			
278	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
80	LF	BARRICADES (TYPE III)			
1,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
1,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
6	EA	PERMANENT RAISED PAVEMENT MARKERS			
1,000	LF	TEMPORARY SILT FENCE			
65	TON	STONE FOR EROSION CONTROL, CLASS A			
70	TON	STONE FOR EROSION CONTROL, CLASS B			
60	TON	SEDIMENT CONTROL STONE			
1	ACR	TEMPORARY MULCHING			
100	LB	SEED FOR TEMPORARY SEEDING			
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
200	LF	SAFETY FENCE			
100	CY	SILT EXCAVATION			
1,250	SY	MATTING FOR EROSION CONTROL			
50	SY	COIR FIBER MAT			
225	LF	1/4" HARDWARE CLOTH			
85	SY	FLOATING TURBIDITY CURTAIN			
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			
0.5	TON	FERTILIZER TOPDRESSING			
10	MHR	SPECIALIZED HAND MOWING			
13	EA	RESPONSE FOR EROSION CONTROL			
0.1	ACR	REFORESTATION			

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+82.00 -L-)			
2	EA	PDA TESTING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+82.00 -L-)			
5,404	SF	CONCRETE WEARING SURFACE			
5,491	SF	GROOVING BRIDGE FLOORS			
67.6	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+82.00 -L-)			
9,828	LB	REINFORCING STEEL (BRIDGE)			
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)			
14	EA	PILE DRIVING EQUIPMENT SETUP FOR *** GALVANIZED STEEL PILES (PP 18 X 0.50)			
630	LF	HP12X53 STEEL PILES			
1,050	LF	PP 18 X 0.50 GALVANIZED STEEL PILES			
14	EA	PIPE PILE PLATES			
14	EA	PILE REDRIVES			
350.5	LF	VERTICAL CONCRETE BARRIER RAIL			
230	TON	RIP RAP CLASS II (2'-0" THICK) (16+82.00 -L-)			
260	SY	GEOTEXTILE FOR DRAINAGE			
Lump Sum	LS	ELASTOMERIC BEARINGS (16+82.00 -L-)			
1,925	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS			
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 003

CONTRACT ID : C203806 38600.3.2

DIV OFFICE DURHAM

LENGTH = 0.105 MI

COUNTY : WAKE, FRANKLIN

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : MAY 07 2018

BRIDGE #20 OVER MOCCASIN CREEK ON NC-97.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (15+32.50 -L-)
Lump Sum	LS	GRADING
	1	ACR SUPPLEMENTARY CLEARING & GRUBBING
	400	CY UNDERCUT EXCAVATION
	400	CY SELECT GRANULAR MATERIAL
	400	SY GEOTEXTILE FOR SOIL STABILIZATION
	650	SY ROCK PLATING
	20	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
	50	SY FOUNDATION CONDITIONING GEOTEXTILE
	56	LF 15" DRAINAGE PIPE
	4	EA *** DRAINAGE PIPE ELBOWS (15")
	80	LF 15" RC PIPE CULVERTS, CLASS IV
	100	TON INCIDENTAL STONE BASE
	330	TON ASPHALT CONC BASE COURSE, TYPE B25.0B
	370	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
	160	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B
	45	TON ASPHALT BINDER FOR PLANT MIX
	8	EA RIGHT OF WAY MARKERS
	4	EA MASONRY DRAINAGE STRUCTURES
	4	EA FRAME WITH TWO GRATES, STD 840.29
	115	LF SHOULDER BERM GUTTER
	175	LF STEEL BM GUARDRAIL
	5	EA ADDITIONAL GUARDRAIL POSTS
	4	EA GUARDRAIL ANCHOR UNITS, TYPE III
	4	EA GUARDRAIL ANCHOR UNITS, TYPE 350
	890	TON RIP RAP, CLASS II
	2	TON RIP RAP, CLASS B
	1,550	SY GEOTEXTILE FOR DRAINAGE
	54.6	SF CONTRACTOR FURNISHED, TYPE *** SIGN (D)
	156	LF SUPPORTS, 3-LB STEEL U-CHANNEL
	4	EA SIGN ERECTION, TYPE D
	6	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	420	SF WORK ZONE SIGNS (STATIONARY)
	94	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
	28	DAY PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
	6	EA DRUMS
	96	LF BARRICADES (TYPE III)
	1,110	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
	1,110	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
	7	EA PERMANENT RAISED PAVEMENT MARKERS
	1,400	LF TEMPORARY SILT FENCE
	150	TON STONE FOR EROSION CONTROL, CLASS A
	15	TON STONE FOR EROSION CONTROL, CLASS B
	115	TON SEDIMENT CONTROL STONE
	1	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

100	CY	SILT EXCAVATION
2,000	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
325	LF	1/4" HARDWARE CLOTH
200	SY	FLOATING TURBIDITY CURTAIN
2	EA	SPECIAL STILLING BASINS
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
175	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
18	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 ACCESS AT STA ***** (15+32.50 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+32.50 -L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+32.50 -L-)
	58	CY CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+32.50 -L-)
	9,616	LB REINFORCING STEEL (BRIDGE)
	14	EA PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
	210	LF HP12X53 STEEL PILES
	14	EA STEEL PILE POINTS
	210	LF VERTICAL CONCRETE BARRIER RAIL
	185	TON RIP RAP CLASS II (2'-0" THICK)
	205	SY GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
	1,155	LF 3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT
	1,500	DOL CONTRACT TIME

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

L170516 004

CONTRACT ID : C203492 38664.3.4

DIV OFFICE DURHAM

LENGTH = 1.756 MI

COUNTY : DURHAM

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.

DBE GOAL 10.0% COMPLETION DATE : MAY 14 2019

SR-2220 (OLD CHAPEL HILL ROAD) FROM SR-1113 (POPE ROAD) TO SR-1116 (GARRETT ROAD).

ROADWAY ITEMS				
			11,160	LF 2'-6" CONCRETE CURB & GUTTER
			7,210	SY 4" CONCRETE SIDEWALK
			40	EA CONCRETE CURB RAMP
			1,230	SY 6" CONCRETE DRIVEWAY
			120	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			160	SY GENERIC PAVING ITEM 8" REINFORCED CONCRETE TRUCK APRON
			3	EA ADJUSTMENT OF CATCH BASINS
			33	EA ADJUSTMENT OF MANHOLES
			9	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
			1,675	LF STEEL BM GUARDRAIL
			10	EA ADDITIONAL GUARDRAIL POSTS
			2	EA GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			11	EA GUARDRAIL ANCHOR UNITS, TYPE 350
			1,551	LF REMOVE EXISTING GUARDRAIL
			25	LF WOVEN WIRE FENCE, 47" FABRIC
			5	EA 5" TIMBER FENCE POSTS, 8'-0" LONG
			78	LF CHAIN LINK FENCE, *** FABRIC (60")
			167	LF CHAIN LINK FENCE, *** FABRIC (72")
			360	LF CHAIN LINK FENCE, 48" FABRIC
			7	EA METAL LINE POSTS FOR *** CHAIN LINK FENCE (60")
			14	EA METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")
			30	EA METAL LINE POSTS FOR 48" CHAIN LINK FENCE
			2	EA METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (60")
			3	EA METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")
			12	EA METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
			131	LF GENERIC FENCING ITEM WOOD FENCE RESET
			340	LF GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
			70	TON RIP RAP, CLASS I
			140	TON RIP RAP, CLASS II
			170	TON RIP RAP, CLASS B
			3,680	SY GEOTEXTILE FOR DRAINAGE
			1	EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			380	SF CONTRACTOR FURNISHED, TYPE *** SIGN (E)
			1,800	LF SUPPORTS, 3-LB STEEL U-CHANNEL
			77	EA SIGN ERECTION, TYPE E
			54	EA SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
			23	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			58	EA STOCKPILE SIGN, D, E OR F
			630	SF WORK ZONE SIGNS (STATIONARY)
			100	SF WORK ZONE SIGNS (PORTABLE)
			180	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
			3	EA FLASHING ARROW BOARD
			2	EA PORTABLE CHANGEABLE MESSAGE SIGN
			400	EA DRUMS
			50	EA CONES
			176	LF BARRICADES (TYPE III)
			2,000	HR FLAGGER
			3	EA TEMPORARY CRASH CUSHIONS
			3	EA RESET TEMPORARY CRASH CUSHION
			520	LF PORTABLE CONCRETE BARRIER
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
1,460	CY	UNDERCUT EXCAVATION		
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING		
Lump Sum	LS	GRADING		
27,820	CY	BORROW EXCAVATION		
50	CY	DRAINAGE DITCH EXCAVATION		
3	HR	PROOF ROLLING		
1,460	CY	SELECT GRANULAR MATERIAL		
4,600	SY	GEOTEXTILE FOR SOIL STABILIZATION		
2,502	SF	TEMPORARY SHORING		
690	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		
2,170	SY	FOUNDATION CONDITIONING GEOTEXTILE		
428	LF	15" DRAINAGE PIPE		
164	LF	18" DRAINAGE PIPE		
80	LF	24" DRAINAGE PIPE		
60	LF	30" DRAINAGE PIPE		
2	EA	*** DRAINAGE PIPE ELBOWS (15")		
108	LF	***** RC PIPE CULVERTS, CLASS IV (48")		
3,092	LF	15" RC PIPE CULVERTS, CLASS IV		
1,420	LF	18" RC PIPE CULVERTS, CLASS IV		
992	LF	24" RC PIPE CULVERTS, CLASS IV		
140	LF	30" RC PIPE CULVERTS, CLASS IV		
2,751	LF	PIPE REMOVAL		
1,000	CY	SHALLOW UNDERCUT		
2,000	TON	CLASS IV SUBGRADE STABILIZATION		
1,940	TON	AGGREGATE BASE COURSE		
10	TON	INCIDENTAL STONE BASE		
1,485	GAL	PRIME COAT		
3,640	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		
4,320	SY	INCIDENTAL MILLING		
4,240	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		
5,810	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		
5,570	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		
200	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A		
805	TON	ASPHALT BINDER FOR PLANT MIX		
400	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		
6	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		
6	CY	ENDWALLS		
0.846	CY	PIPE COLLARS		
3.3	CY	FLOWABLE FILL		
66	EA	MASONRY DRAINAGE STRUCTURES		
16.42	LF	MASONRY DRAINAGE STRUCTURES		
5	EA	FRAME WITH TWO GRATES, STD 840.16		
1	EA	FRAME WITH TWO GRATES, STD 840.24		
10	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)		
23	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)		
23	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		
4	EA	FRAME WITH COVER, STD 840.54		
330	LF	1'-6" CONCRETE CURB & GUTTER		



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 005

CONTRACT ID : C203844 34900.3.5

DIV OFFICE GREENSBORO

LENGTH = 3.457 MI

COUNTY : ALAMANCE

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE : NOV 27 2020

NC-119 RELOCATION FROM I-40/85 TO SR-1921 (MEBANE ROGERS RD/ STAGE COACH RD).

ROADWAY ITEMS					
			2,148	LF	24" RC PIPE CULVERTS, CLASS IV
			352	LF	30" RC PIPE CULVERTS, CLASS IV
			80	LF	36" RC PIPE CULVERTS, CLASS IV
			344	LF	42" RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	MOBILIZATION	748	LF	15" CS PIPE CULVERTS, 0.064" THICK
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
	4	ACR	68	LF	18" CS PIPE CULVERTS, 0.064" THICK
	31	EA	124	LF	24" CS PIPE CULVERTS, 0.064" THICK
	377,000	CY	29	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (26+55 -L-)	3	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
	72,440	CY	3	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")
	688,000	CY	1	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
	41,800	CY			
	1,150	LF	5,351	LF	PIPE REMOVAL
	47,950	SY	1	EA	PIPE CLEAN-OUT
	40	HR	Lump Sum	LS	FINE GRADING
	8,800	CY	71,070	SY	LIME TREATED SOIL (SLURRY METHOD)
	69,100	SY	720	TON	LIME FOR LIME TREATED SOIL
	2,200	SF	18,500	CY	SHALLOW UNDERCUT
	1,400	TON	35,000	TON	CLASS IV SUBGRADE STABILIZATION
	950	SY	500	TON	STABILIZER AGGREGATE
	100	TON	57,567	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
			3,200	TON	AGGREGATE BASE COURSE
			71,070	SY	SOIL CEMENT BASE
			1,955	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
			1,960	TON	AGGREGATE FOR SOIL CEMENT BASE
			21,350	GAL	ASPHALT CURING SEAL
			1,000	TON	INCIDENTAL STONE BASE
			2,555	GAL	PRIME COAT
			19,790	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")
			1,480	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (3")
			4,260	SY	INCIDENTAL MILLING
			25,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
			10,750	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
			21,870	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
			10,800	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
			17,600	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			27,600	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			1,090	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
			5,830	TON	ASPHALT BINDER FOR PLANT MIX
			65	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
			1,150	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
			2,430	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
			1,848	CY	SUBDRAIN EXCAVATION
			924	CY	SUBDRAIN FINE AGGREGATE
			5,500	LF	6" PERFORATED SUBDRAIN PIPE
			11	EA	SUBDRAIN PIPE OUTLET
			66	LF	6" OUTLET PIPE
			10	TON	BLOTTING SAND
			55.2	CY	ENDWALLS
			36.9	CY	REINFORCED ENDWALLS
			0.447	CY	PIPE COLLARS



			25	TON	RIP RAP, CLASS II
			2,430	TON	RIP RAP, CLASS B
			12,350	SY	GEOTEXTILE FOR DRAINAGE
6	CY	FLOWABLE FILL	2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
278	EA	MASONRY DRAINAGE STRUCTURES	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
3	CY	MASONRY DRAINAGE STRUCTURES	73	CY	OVERHEAD FOOTING
137.6	LF	MASONRY DRAINAGE STRUCTURES	1,294	LB	SUPPORTS, BREAKAWAY STEEL BEAM
29	EA	FRAME WITH TWO GRATES, STD 840.16	2,753	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
50	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (16+50 -RPC-)
3	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (21+15 -L-)
64	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (25+44 -L-)
22	EA	FRAME WITH TWO GRATES, STD 840.29	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (28+17 -L-)
18	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (32+38 -L-)
37	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (46+00 -L-)
39	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	4	EA	SIGN ERECTION, TYPE D
17	EA	FRAME WITH COVER, STD 840.54	107	EA	SIGN ERECTION, TYPE E
1	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	42	EA	SIGN ERECTION, TYPE F
18	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
1	EA	*** SLUICE GATE (15")	3	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)
2	EA	*** SLUICE GATE (18")	3	EA	DISPOSAL OF SUPPORT, STEEL BEAM
1	EA	*** SLUICE GATE (30")	2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
8,650	LF	***-*** CONCRETE CURB & GUTTER (2'-9")	45	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
15,730	LF	1'-6" CONCRETE CURB & GUTTER	2,376	SF	WORK ZONE SIGNS (STATIONARY)
18,400	LF	2'-6" CONCRETE CURB & GUTTER	429	SF	WORK ZONE SIGNS (PORTABLE)
4,590	LF	SHOULDER BERM GUTTER	474	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
6,650	SY	4" CONCRETE SIDEWALK	4	EA	FLASHING ARROW BOARD
60	EA	CONCRETE CURB RAMP	6	EA	PORTABLE CHANGEABLE MESSAGE SIGN
210	SY	6" CONCRETE DRIVEWAY	84	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
84	SY	4" CONCRETE PAVED DITCH	1,050	EA	DRUMS
7,580	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	70	EA	CONES
1	EA	CONCRETE BARRIER TRANSITION SECTION	512	LF	BARRICADES (TYPE III)
88	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	80	HR	FLAGGER
108	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION	240	DAY	FLAGGER
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	10	EA	TEMPORARY CRASH CUSHIONS
13,100	LF	STEEL BM GUARDRAIL	6	EA	RESET TEMPORARY CRASH CUSHION
6	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	2	EA	TMA
50	EA	ADDITIONAL GUARDRAIL POSTS	4,200	LF	PORTABLE CONCRETE BARRIER
21	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	200	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1,800	LF	RESET PORTABLE CONCRETE BARRIER
30	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	13	EA	TUBULAR MARKERS (FIXED)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	7,800	LF	GENERIC TRAFFIC CONTROL ITEM WORK ZONE "PERFORMANCE" PAVEMENT MARKING LINES (6")
14	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	437,000	SF	GENERIC TRAFFIC CONTROL ITEM WORK ZONE TRAFFIC "PATTERN MASKING"
563	LF	REMOVE EXISTING GUARDRAIL	24	EA	GENERIC TRAFFIC CONTROL ITEM SEQUENTIAL FLASHING WARNING LIGHTS
487.5	LF	TEMPORARY STEEL BM GUARDRAIL	831	EA	TEMPORARY RAISED PAVEMENT MARKERS
2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	83,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
37,000	LF	WOVEN WIRE FENCE, *** FABRIC (48")	67,850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
2,289	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	5,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
646	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	2,150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
450	LF	CHAIN LINK FENCE, 48" FABRIC	7,500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
38	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	4,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
9	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	17,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
200	LF	ADDITIONAL BARBED WIRE	2,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
2	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 12', 12')			
2	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 20', 20')			
890	TON	RIP RAP, CLASS I			



Lump Sum	LS	CULVERT EXCAVATION, STA ***** (179+55.00-L-)	426.69	LF	GENERIC STRUCTURE ITEM
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (19+77.00-Y10-)			TWO BAR METAL RAIL RETROFIT
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (96+88.00 -L-)			
888	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT			
1,200.6	CY	CLASS A CONCRETE (CULVERT)			
142,445	LB	REINFORCING STEEL (CULVERT)			

**WALL ITEMS**

3,449	SF	MSE RETAINING WALL NO **** (1)
4,617	SF	MSE RETAINING WALL NO **** (2)
263	SF	SEGMENTAL GRAVITY RETAINING WALLS

**STRUCTURE ITEMS**

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,146+61.35-L-NBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,146+61.35-L-SBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,146+61.35-L-NBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,146+61.35-L-SBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,146+61.35-L-NBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,146+61.35-L-SBL)
70.3	LF	4'-0" DIA DRILLED PIERS IN SOIL
31	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
1	EA	PDA TESTING
3	EA	SID INSPECTIONS
3	EA	SPT TESTING
1	EA	CSL TESTING
46,347	SF	REINFORCED CONCRETE DECK SLAB
42,545	SF	GROOVING BRIDGE FLOORS
871.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (146+61.35-L-NBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (146+61.35-L-SBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (26+54.73-NBL-)
143,844	LB	REINFORCING STEEL (BRIDGE)
14,778	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
3,901.13	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
444,500	LS	APPROX ..... LBS STRUCTURAL STEEL
132	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
8,200	LF	HP12X53 STEEL PILES
472.38	LF	TWO BAR METAL RAIL
2,050.4	LF	CONCRETE BARRIER RAIL
243.69	LF	1'-**"X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
243.69	LF	1'-**"X ***** CONCRETE PARA- PET (1'-2" X 3'-0 1/2")
905	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (146+61.35-L- NBL)

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 006

CONTRACT ID : C204018 2017CPT.08.24.10831 DIV OFFICE ABERDEEN

LENGTH = 27.959 MI

COUNTY : SCOTLAND, HOKE

MILLING, RESURFACING &amp; SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : JUN 30 2018

2 SECTIONS OF US-15/501, AND 5 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
3,475	TON	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW
25.06	SMI	SHOULDER RECONSTRUCTION
281,912	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
3,658	SY	INCIDENTAL MILLING
24,085	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
14,890	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2,444	TON	ASPHALT BINDER FOR PLANT MIX
500	TON	PATCHING EXISTING PAVEMENT
159,634	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
103,510	LF	GENERIC PAVING ITEM MILLED RUMBLE STRIPS, ASPHALT CONCRETE (CENTERLINE)
3,134	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
295,354	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
116,209	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
340	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
355	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
6	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
22	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
720	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
297,705	LF	PAINT PAVEMENT MARKING LINES (4")
600	LF	PAINT PAVEMENT MARKING LINES (8")
355	LF	PAINT PAVEMENT MARKING LINES (24")
720	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
111,685	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES, 4" 120 MILS (RUMBLE STRIPS)
860	EA	PERMANENT RAISED PAVEMENT MARKERS
1,385	EA	SNOWPLOWABLE PAVEMENT MARKERS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 007

CONTRACT ID : C204019 2017CPT.08.26.10761 DIV OFFICE ABERDEEN

LENGTH = 37.330 MI

COUNTY : RANDOLPH

MILLING, RESURFACING, WIDENING AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : AUG 31 2018

2 SECTIONS OF US-421, 1 SECTION OF US-220 BUS, 2 SECTIONS OF NC-22 &amp; 1 SECTION OF NC-49 AND 25 SECTIONS OF SECONDARY RDS.

ROADWAY ITEMS		1,000	LF	SIGNAL CABLE
		1,000	LF	INDUCTIVE LOOP SAWCUT
Lump Sum	LS			MOBILIZATION
2,607	SY			GENERIC GRADING ITEM SOIL CEMENT BASE (FULL DEPTH RECLAMATION)
17,434	TON			GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW
78	TON			PORTLAND CEMENT FOR SOIL CE- MENT BASE
4.97	SMI			SHOULDER CONSTRUCTION
64.85	SMI			SHOULDER RECONSTRUCTION
44,372	SY			MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
5,107	SY			MILLING ASPHALT PAVEMENT, **** DEPTH (3")
9,788	SY			INCIDENTAL MILLING
2,500	TON			ASPHALT CONC BASE COURSE, TYPE B25.0B
5,250	TON			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
27,763	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,060	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
6,690	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5C
16,266	TON			ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
3,582	TON			ASPHALT BINDER FOR PLANT MIX
18,490	TON			PATCHING EXISTING PAVEMENT
98,350	SY			ASPHALT SURFACE TREATMENT, MAT COAT, **** STONE (#67)
59,800	SY			ASPHALT SURFACE TREATMENT, MAT COAT, **** STONE (#78)
60,270	GAL			EMULSION FOR ASPHALT SURFACE TREATMENT
2	WK			VACUUM TRUCK
24,056	LF			MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
260	TON			GENERIC PAVING ITEM JOINT REPAIR
4	EA			ADJUSTMENT OF MANHOLES
8	EA			ADJUSTMENT OF METER BOXES OR VALVE BOXES
6,340	SF			WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS			TEMPORARY TRAFFIC CONTROL
105	HR			LAW ENFORCEMENT
386,779	LF			THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
367,228	LF			THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,785	LF			THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
180	LF			THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
160	LF			THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
305	LF			THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
24	EA			THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
25	EA			THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,610	LF			COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
89,085	LF			PAINT PAVEMENT MARKING LINES (4")
1,620	LF			PAINT PAVEMENT MARKING LINES (8")
1,610	LF			REMOVAL OF PAVEMENT MARKING LINES (4")
789	EA			SNOWPLOWABLE PAVEMENT MARKERS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 008

CONTRACT ID : C204022 2017CPT.12.17.10181 DIV OFFICE SHELBY

LENGTH = 40.810 MI

COUNTY : CATAWBA

MILLING, WIDENING, RESURFACING AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : NOV 17 2018

1 SECTION OF NC-127 AND 74 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
3,465	TON	GENERIC GRADING ITEM
		AGGREGATE SHOULDER BORROW
1,862	TON	INCIDENTAL STONE BASE
56.83	SMI	SHOULDER RECONSTRUCTION
32,789	SY	MILLING ASPHALT PAVEMENT, ****
		TO *****
		(0" TO 1-1/2")
367	SY	INCIDENTAL MILLING
2,599	TON	ASPHALT CONC BASE COURSE, TYPE
		B25.0B
33,286	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B
400	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B (LEVELING COURSE)
7,816	TON	ASPHALT CONC SURFACE COURSE,
		TYPE SF9.5A
50	TON	ASPHALT CONC SURFACE COURSE,
		TYPE SF9.5A (LEVELING COURSE)
2,477	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S4.75A
2,836	TON	ASPHALT BINDER FOR PLANT MIX
6,364	TON	PATCHING EXISTING PAVEMENT
32	EA	RETROFIT EXISTING CURB RAMP
17	EA	CONCRETE CURB RAMP
3	EA	ADJUSTMENT OF DROP INLETS
153	EA	ADJUSTMENT OF MANHOLES
117	EA	ADJUSTMENT OF METER BOXES OR
		VALVE BOXES
4,550	SF	WORK ZONE ADVANCE/GENERAL
		WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
180	HR	LAW ENFORCEMENT
400	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (8", 90 MILS)
1,000	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (8", 120 MILS)
200	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (12", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (16", 120 MILS)
1,746	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (24", 120 MILS)
32	EA	THERMOPLASTIC PAVEMENT MARKING
		CHARACTER (120 MILS)
450	EA	THERMOPLASTIC PAVEMENT MARKING
		SYMBOL (90 MILS)
707,008	LF	PAINT PAVEMENT MARKING LINES
		(4")
300	LF	PAINT PAVEMENT MARKING LINES
		(24")
30	EA	PAINT PAVEMENT MARKING SYMBOL
234,266	LF	POLYUREA PAVEMENT MARKING
		LINES (4", *****)
		(HIGHLY REFLECTIVE ELEMENTS)
300	LF	REMOVAL OF PAVEMENT MARKING
		LINES (4")
300	LF	REMOVAL OF PAVEMENT MARKING
		LINES (8")
1,975	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
12	EA	JUNCTION BOX (STANDARD SIZE)
850	LF	INDUCTIVE LOOP SAWCUT
500	LF	LEAD-IN CABLE (*****)
		(14-2)

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 009

CONTRACT ID : C204016 2017CPT.12.19.10361 DIV OFFICE SHELBY

LENGTH = 44.890 MI

COUNTY : GASTON

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : NOV 01 2018

1 SECTION OF US-29/74, 1 SECTION OF NC-7, 2 SECTIONS OF NC-27 AND 38 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	1,457	LF	LEAD-IN CABLE (***** (14-2)
9,808	TON	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW			
1,283	TON	INCIDENTAL STONE BASE			
56.02	SMI	SHOULDER RECONSTRUCTION			
303,902	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
8,080	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (3" TO 4-1/2")			
5,089	SY	INCIDENTAL MILLING			
26,343	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
1,680	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)			
35,025	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
2,108	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)			
5,350	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
138	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)			
4,257	TON	ASPHALT BINDER FOR PLANT MIX			
12,920	TON	PATCHING EXISTING PAVEMENT			
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
62	EA	RETROFIT EXISTING CURB RAMP			
4	EA	CONCRETE CURB RAMP			
20	EA	ADJUSTMENT OF CATCH BASINS			
4	EA	ADJUSTMENT OF DROP INLETS			
69	EA	ADJUSTMENT OF MANHOLES			
49	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
16	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN			
5,524	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING			
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			
88	HR	LAW ENFORCEMENT			
2,810	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
720	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
550	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)			
3,367	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
82	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
471	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
961,940	LF	PAINT PAVEMENT MARKING LINES (4")			
400	LF	PAINT PAVEMENT MARKING LINES (8")			
550	LF	PAINT PAVEMENT MARKING LINES (12")			
2,580	LF	PAINT PAVEMENT MARKING LINES (24")			
467	EA	PAINT PAVEMENT MARKING SYMBOL			
377,076	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)			
200	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS)			
2,957	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
2,708	EA	SNOWPLOWABLE PAVEMENT MARKERS			
Lump Sum	LS	PORTABLE LIGHTING			
8	EA	JUNCTION BOX (STANDARD SIZE)			
23,600	LF	INDUCTIVE LOOP SAWCUT			

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 010

CONTRACT ID : C204009 2017CPT.12.20.10491 DIV OFFICE SHELBY

LENGTH = 62.348 MI

COUNTY : IREDELL

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : NOV 17 2018

2 SECTIONS OF US-21, 1 SECTION OF US-64, 1 SECTION OF NC-115 AND 43 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
7,287	TON	GENERIC GRADING ITEM
		AGGREGATE SHOULDER BORROW
3,125	TON	INCIDENTAL STONE BASE
89.02	SMI	SHOULDER RECONSTRUCTION
525	SY	MILLING ASPHALT PAVEMENT, ****
		DEPTH
		(1-1/2")
21,870	SY	MILLING ASPHALT PAVEMENT, ****
		TO *****
		(0" TO 1-1/2")
38,550	SY	INCIDENTAL MILLING
61,150	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B
2,975	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B (LEVELING COURSE)
12,615	TON	ASPHALT CONC SURFACE COURSE,
		TYPE SF9.5A
535	TON	ASPHALT CONC SURFACE COURSE,
		TYPE SF9.5A (LEVELING COURSE)
4,740	TON	ASPHALT BINDER FOR PLANT MIX
9,205	TON	PATCHING EXISTING PAVEMENT
24	EA	RETROFIT EXISTING CURB RAMP
5	EA	CONCRETE CURB RAMP
1	EA	ADJUSTMENT OF DROP INLETS
12	EA	ADJUSTMENT OF MANHOLES
20	EA	ADJUSTMENT OF METER BOXES OR
		VALVE BOXES
8,243	SF	WORK ZONE ADVANCE/GENERAL
		WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
970	LF	THERMOPLASTIC PAVEMENT MARKING
		LINE (8", 90 MILS)
235	LF	THERMOPLASTIC PAVEMENT MARKING
		LINE (12", 90 MILS)
110	LF	THERMOPLASTIC PAVEMENT MARKING
		LINE (16", 120 MILS)
1,290	LF	THERMOPLASTIC PAVEMENT MARKING
		LINE (24", 120 MILS)
58	EA	THERMOPLASTIC PAVEMENT MARKING
		CHARACTER (120 MILS)
89	EA	THERMOPLASTIC PAVEMENT MARKING
		SYMBOL (90 MILS)
2,960	LF	COLD APPLIED PLASTIC PAVEMENT
		MARKING LINE, TYPE ** (4")
		(II)
12	EA	COLD APPLIED PLASTIC PAVEMENT
		MARKING SYMBOL, TYPE **
		(II)
1,134,200	LF	PAINT PAVEMENT MARKING LINE
		(4")
602,900	LF	POLYUREA PAVEMENT MARKING
		LINE (4", *****)
		(HIGHLY REFLECTIVE ELEMENTS)
8,500	LF	POLYUREA PAVEMENT MARKING
		LINE (6", *****)
		(HIGHLY REFLECTIVE ELEMENTS)
775	LF	POLYUREA PAVEMENT MARKING
		LINE (8", *****)
		(HIGHLY REFLECTIVE ELEMENTS)
8,070	LF	REMOVAL OF PAVEMENT MARKING
		LINE (4")
12	EA	REMOVAL OF PAVEMENT MARKING
		SYMBOLS & CHARACTERS
1,590	EA	SNOWPLOWABLE PAVEMENT MARKERS
6,025	LF	INDUCTIVE LOOP SAWCUT
350	LF	LEAD-IN CABLE (*****)
		(14-2)



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L170516 011

CONTRACT ID : C203905 34497.3.6

DIV OFFICE SHELBY

LENGTH = 4.792 MI

COUNTY : CLEVELAND

GRADING, DRAINAGE, PAVING, RETAINING WALL, AND STRUCTURES.

MBE GOAL 4.0% WBE 6.0% COMPLETION DATE : NOV 11 2022

US-74 (SHELBY BYPASS) FROM EAST OF NC-226 TO EAST OF NC-150.

ROADWAY ITEMS						
			4	EA	*** SIDE DRAIN PIPE ELBOWS (30")	
			4	EA	*** SIDE DRAIN PIPE ELBOWS (36")	
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	CONSTRUCTION SURVEYING	384	LF	*** RC PIPE CULVERTS, CON-TRACTOR DESIGN (42")	
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM UTILITY COORDINATOR				
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	312	LF	*** RC PIPE CULVERTS, CON-TRACTOR DESIGN (54")	
4	ACR	SUPPLEMENTARY CLEARING & GRUB- BING				
11	EA	SEALING ABANDONED WELLS	312	LF	*** RC PIPE CULVERTS, CON-TRACTOR DESIGN (66")	
2,730,000	CY	UNCLASSIFIED EXCAVATION				
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+70 -Y3- END BENT 1 ONLY)	288	LF	*** RC PIPE CULVERTS, CLASS ***** (24", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+05 -Y4- REV)	188	LF	*** RC PIPE CULVERTS, CLASS ***** (30", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+08 -Y9-)	308	LF	*** RC PIPE CULVERTS, CLASS ***** (36", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+91 -Y11- REV2)	248	LF	*** RC PIPE CULVERTS, CLASS ***** (54", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (29+07 -Y2- END BENT 1 ONLY)	728	LF	*** RC PIPE CULVERTS, CLASS ***** (60", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (384+50 -L- LT)	1,104	LF	*** RC PIPE CULVERTS, CLASS ***** (66", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (384+58 -L- RT)	524	LF	*** RC PIPE CULVERTS, CLASS ***** (72", V)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (594+61 -L- LT)	8,164	LF	15" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (594+80 -L- RT)	4,452	LF	18" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (611+27 -L- RT)	4,600	LF	24" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (611+37 -L- LT)	1,800	LF	30" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (611+37 -L- LT)	624	LF	36" RC PIPE CULVERTS, CLASS III	
20,000	CY	UNDERCUT EXCAVATION	220	LF	48" RC PIPE CULVERTS, CLASS III	
15,920	CY	DRAINAGE DITCH EXCAVATION	208	LF	54" RC PIPE CULVERTS, CLASS III	
2,870	LF	BERM DITCH CONSTRUCTION	420	LF	66" RC PIPE CULVERTS, CLASS III	
37,270	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	160	LF	*** RC PIPE CULVERTS, CLASS IV (54")	
1,980	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	5,416	LF	15" RC PIPE CULVERTS, CLASS IV	
9,240	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	1,208	LF	18" RC PIPE CULVERTS, CLASS IV	
40	HR	PROOF ROLLING	472	LF	24" RC PIPE CULVERTS, CLASS IV	
10,000	CY	SELECT GRANULAR MATERIAL	128	LF	30" RC PIPE CULVERTS, CLASS IV	
81,200	SY	GEOTEXTILE FOR SOIL STABILIZA- TION	176	LF	36" RC PIPE CULVERTS, CLASS IV	
808	SF	TEMPORARY SHORING	348	LF	42" RC PIPE CULVERTS, CLASS IV	
100	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETRO- LEUM CONTAMINATED SOIL	452	LF	15" CS PIPE CULVERTS, 0.064" THICK	
6,650	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	136	LF	24" CS PIPE CULVERTS, 0.064" THICK	
56,316	SY	FOUNDATION CONDITIONING GEO- TEXTILE	5,033	LF	PIPE REMOVAL	
296	LF	*** SIDE DRAIN PIPE (30")	610	SY	6" SLOPE PROTECTION	
386	LF	*** SIDE DRAIN PIPE (36")	Lump Sum	LS	FINE GRADING	
2,987	LF	15" SIDE DRAIN PIPE	8	TON	#57 STONE	
1,012	LF	18" SIDE DRAIN PIPE	15,800	CY	SHALLOW UNDERCUT	
472	LF	24" SIDE DRAIN PIPE	32,000	TON	CLASS IV SUBGRADE STABILIZA- TION	
41	EA	*** SIDE DRAIN PIPE ELBOWS (15")	500	TON	STABILIZER AGGREGATE	
10	EA	*** SIDE DRAIN PIPE ELBOWS (18")	12,550	SY	GEOTEXTILE FOR PAVEMENT STA- BILIZATION	
6	EA	*** SIDE DRAIN PIPE ELBOWS (24")	29,500	TON	AGGREGATE BASE COURSE	
			500	TON	INCIDENTAL STONE BASE	
			11,900	CY	SHOULDER BORROW	
			8,760	GAL	PRIME COAT	
			4,180	SY	INCIDENTAL MILLING	
			6,530	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	

			59,530	LF	WOVEN WIRE FENCE, 47" FABRIC
			3,699	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			1,013	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			7,600	LF	ADDITIONAL BARBED WIRE
14,180	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	2,050	TON	RIP RAP, CLASS I
20,900	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	6,760	TON	RIP RAP, CLASS II
2,225	TON	ASPHALT BINDER FOR PLANT MIX	2	TON	RIP RAP, CLASS A
300	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	7,130	TON	RIP RAP, CLASS B
2,240	CY	SUBDRAIN EXCAVATION	30	TON	BOULDERS
10,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	35,200	SY	GEOTEXTILE FOR DRAINAGE
1,680	CY	SUBDRAIN COARSE AGGREGATE	2	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
10,000	LF	6" PERFORATED SUBDRAIN PIPE	1,227	LB	SUPPORTS, BREAKAWAY STEEL BEAM
20	EA	SUBDRAIN PIPE OUTLET	1,918	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
120	LF	6" OUTLET PIPE	4	EA	SIGN ERECTION, TYPE D
3	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	124	EA	SIGN ERECTION, TYPE E
			21	EA	SIGN ERECTION, TYPE F
			2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
38.8	CY	ENDWALLS			
83.2	CY	REINFORCED ENDWALLS			
1.6	CY	PIPE COLLARS	4	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
0.25	CY	PIPE PLUGS			
271	EA	MASONRY DRAINAGE STRUCTURES	71	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
50.75	CY	MASONRY DRAINAGE STRUCTURES	3	EA	DISPOSAL OF SUPPORT, U-CHANNEL
64	LF	MASONRY DRAINAGE STRUCTURES	2,069	SF	WORK ZONE SIGNS (STATIONARY)
1	EA	FRAME WITH GRATE, STD 840.22	629	SF	WORK ZONE SIGNS (PORTABLE)
11	EA	FRAME WITH TWO GRATES, STD 840.16	919	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
55	EA	FRAME WITH TWO GRATES, STD 840.20	3	EA	FLASHING ARROW BOARD
128	EA	FRAME WITH TWO GRATES, STD 840.22	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
13	EA	FRAME WITH TWO GRATES, STD 840.24	120	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
13	EA	FRAME WITH TWO GRATES, STD 840.29	654	EA	DRUMS
12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	250	EA	CONES
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	840	LF	BARRICADES (TYPE III)
15	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	594	DAY	FLAGGER
13	EA	FRAME WITH COVER, STD 840.54	1	EA	TMA
6	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	240	HR	LAW ENFORCEMENT
1	EA	*** SLUICE GATE (36")	588	EA	TEMPORARY RAISED PAVEMENT MARKERS
2	EA	*** SLUICE GATE (8")	45,262	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
Lump Sum	LS	GENERIC DRAINAGE ITEM DRY DETENTION BASIN	38,146	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
Lump Sum	LS	GENERIC DRAINAGE ITEM HAZARDOUS SPILL BASIN	1,085	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
960	LF	***X*** CONCRETE CURB (8" X 18")	727	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1,190	LF	***X*** CONCRETE CURB (9" X 12")	128	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
8,660	LF	2'-6" CONCRETE CURB & GUTTER	12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
585	LF	SHOULDER BERM GUTTER	108	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
70	SY	6" CONCRETE DRIVEWAY	5,184	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
120	SY	4" CONCRETE PAVED DITCH	3,546	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
950	SY	4" CONCRETE ISLAND COVER	120	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (II)
5,330	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	203,293	LF	PAINT PAVEMENT MARKING LINES (4")
379	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	1,665	LF	PAINT PAVEMENT MARKING LINES (8")
1,661	SY	GENERIC PAVING ITEM 12" CONCRETE TRUCK APRON	292	LF	PAINT PAVEMENT MARKING LINES (24")
476	SY	GENERIC PAVING ITEM 5" CONCRETE DRIVEWAY	104	EA	PAINT PAVEMENT MARKING SYMBOL
2	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING CB TO TB JB	23,792	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
7,512.5	LF	STEEL BM GUARDRAIL	366	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
16	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	125	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
10	EA	ADDITIONAL GUARDRAIL POSTS	14	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	216	EA	PERMANENT RAISED PAVEMENT MARKERS
6	EA	GUARDRAIL ANCHOR UNITS, TYPE III	629	EA	SNOWPLOWABLE PAVEMENT MARKERS
34	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	24	EA	7' U-CHANNEL POSTS
14	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	24	EA	OBJECT MARKERS (END OF ROAD)
330	LF	REMOVE EXISTING GUARDRAIL	40	LF	2" WATER LINE
700	LF	TEMPORARY STEEL BM GUARDRAIL	20	LF	3" WATER LINE
6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	8,928	LF	6" WATER LINE
			6,185	LF	8" WATER LINE
			768	LF	12" WATER LINE

			100	MHR	SPECIALIZED HAND MOWING		
			150	EA	RESPONSE FOR EROSION CONTROL		
			6,130	CY	CULVERT DIVERSION CHANNEL		
6,758	LF	16" WATER LINE	3	ACR	REFORESTATION		
24,470	LB	DUCTILE IRON WATER PIPE FITTINGS	1.4	ACR	STREAMBANK REFORESTATION		
1	EA	*** VALVE (3")	20	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE		
3	EA	2" VALVE	1.3	ACR	GENERIC EROSION CONTROL ITEM WETLAND GRASS SEEDING		
60	EA	6" VALVE	1,400	LF	SIGNAL CABLE		
10	EA	8" VALVE	8	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)		
2	EA	12" VALVE	4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)		
9	EA	16" VALVE	600	LF	MESSENGER CABLE (3/8")		
2	EA	6" TAPPING VALVE	1	EA	WOOD POLE		
6	EA	1" AIR RELEASE VALVE	5	EA	GUY ASSEMBLY		
1	EA	2" AIR RELEASE VALVE	4	EA	2" RISER WITH WEATHERHEAD		
3	EA	2" BLOW OFF	1	EA	SITE SURVEY		
39	EA	RELOCATE WATER METER	4	EA	LUMINAIRE ARM FOR VIDEO SYSTEM		
4	EA	RECONNECT WATER METER	4	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT		
1	EA	FIRE HYDRANT	1	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT		
7	EA	RELOCATE FIRE HYDRANT	1	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)		
2	EA	GENERIC UTILITY ITEM SEWAGE COMBINATION AIR VALVE	1	EA	TRAFFIC SIGNAL REMOVAL		
2,344	LF	10" FORCE MAIN SEWER					
3,534	LB	DUCTILE IRON SEWER PIPE FITTINGS					
11,671	LF	ABANDON 6" UTILITY PIPE					
6,082	LF	ABANDON 8" UTILITY PIPE					
2,078	LF	ABANDON 10" UTILITY PIPE					
6,920	LF	ABANDON 12" UTILITY PIPE					
42	EA	REMOVE FIRE HYDRANT					
210	LF	12" ENCASEMENT PIPE					
775	LF	16" ENCASEMENT PIPE	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (453+07.00 -L-)		
350	LF	18" ENCASEMENT PIPE	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (553+27.00 -L-)		
800	LF	20" ENCASEMENT PIPE	653	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT		
725	LF	24" ENCASEMENT PIPE	1,075.3	CY	CLASS A CONCRETE (CULVERT)		
340	LF	36" ENCASEMENT PIPE	154,809	LB	REINFORCING STEEL (CULVERT)		
38	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL					
37	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL					
2	EA	GENERIC UTILITY ITEM 10" PLUG VALVE					
155,000	LF	TEMPORARY SILT FENCE					
5,750	TON	STONE FOR EROSION CONTROL, CLASS A	2,640	SF	MSE RETAINING WALL NO **** (1)		
31,980	TON	STONE FOR EROSION CONTROL, CLASS B	2,930	SF	MSE RETAINING WALL NO **** (2)		
52,780	TON	SEDIMENT CONTROL STONE	6,700	SF	MSE RETAINING WALL NO **** (3)		
360	ACR	TEMPORARY MULCHING	7,305	SF	MSE RETAINING WALL NO **** (4)		
18,000	LB	SEED FOR TEMPORARY SEEDING	5,510	SF	MSE RETAINING WALL NO **** (5)		
90	TON	FERTILIZER FOR TEMPORARY SEEDING	5,440	SF	MSE RETAINING WALL NO **** (6)		
18,000	LF	TEMPORARY SLOPE DRAINS					
6,600	LF	SAFETY FENCE					
380,910	CY	SILT EXCAVATION					
497,000	SY	MATTING FOR EROSION CONTROL					
2,025	SY	COIR FIBER MAT					
2,950	SY	PERMANENT SOIL REINFORCEMENT MAT					
20,000	LF	1/4" HARDWARE CLOTH					
55	LF	*** TEMPORARY PIPE (15")	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (384+50.00 -L- LT)		
65	LF	*** TEMPORARY PIPE (18")	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (384+50.00 -L- RT)		
210	LF	*** TEMPORARY PIPE (24")	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (32+31.41 -Y11- REV 2)		
450	LF	TEMPORARY PIPE FOR STREAM CROSSING	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,20+70.23 -Y3- POT)		
12	EA	SPECIAL STILLING BASINS	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,24+05.50 -Y4- REV POT)		
23,050	LF	COIR FIBER WATTLE	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,24+07.99 -Y9- POT)		
22,320	LB	POLYACRYLAMIDE (PAM)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,29+07.16 -Y2-)		
27,200	LF	COIR FIBER BAFFLE	241	LF	PILE EXCAVATION IN SOIL		
29	EA	*** SKIMMER (1-1/2")	69	LF	PILE EXCAVATION NOT IN SOIL		
37	EA	*** SKIMMER (2")	322.2	LF	**-*" DIA DRILLED PIERS IN SOIL (4'-6")		
15	EA	*** SKIMMER (2-1/2")					
3	EA	*** SKIMMER (3")					
1	EA	*** SKIMMER (4")					
351	ACR	SEEDING & MULCHING					
393	ACR	MOWING					
6,400	LB	SEED FOR REPAIR SEEDING					
16,75	TON	FERTILIZER FOR REPAIR SEEDING					
8,350	LB	SEED FOR SUPPLEMENTAL SEEDING					
250.5	TON	FERTILIZER TOPDRESSING					
1,470	LF	IMPERVIOUS DIKE					

**CULVERT ITEMS**

**WALL ITEMS**

**STRUCTURE ITEMS**

108	LF	***.**" DIA DRILLED PIERS NOT IN SOIL (4'-6")	3,649.15	LF	GENERIC STRUCTURE ITEM 74" MODIFIED PRESTRESSED CONCRETE GIRDERS
216	LF	PERMANENT STEEL CASING FOR ***.**" DIA DRILLED PIER (4'-6")			
2	EA	PDA TESTING			
4	EA	CSL TESTING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (32+31.41 -Y11- REV 2)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (384+50.00 -L- RT)			
142,643	SF	REINFORCED CONCRETE DECK SLAB			
143,269	SF	GROOVING BRIDGE FLOORS			
2,669.6	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20+70.23 -Y3- POT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+05.50 -Y4- REV POT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+07.99 -Y9- POT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (29+07.16 -Y2-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (32+31.41 -Y11- REV 2)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (384+50.00 -L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (384+50.00 -L- RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (596+50.98 -L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (596+50.98 -L- RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (611+32.01 -L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (611+32.01 -L- RT)			
448,983	LB	REINFORCING STEEL (BRIDGE)			
33,837	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
729	LF	54" PRESTRESSED CONCRETE GIR- DERS			
1,644	LF	63" PRESTRESSED CONCRETE GIR- DERS			
999.67	LF	72" PRESTRESSED CONCRETE GIR- DERS			
1,318.42	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS			
1,043.38	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS			
2,782.000	LS	APPROX ..... LBS STRUCTURAL STEEL			
443	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)			
24,900	LF	HP12X53 STEEL PILES			
76	EA	STEEL PILE POINTS			
414.65	LF	TWO BAR METAL RAIL			
5,137.58	LF	CONCRETE BARRIER RAIL			
422.9	LF	VERTICAL CONCRETE BARRIER RAIL			
399.4	LF	1'-***"X ***** CONCRETE PARA- PET (1'-2" X 3'-2 3/4")			
1,016	LF	*** CHAIN LINK FENCE (60')			
1,877	SY	4" SLOPE PROTECTION			
1,751	TON	RIP RAP CLASS II (2'-0" THICK)			
2,015	SY	GEOTEXTILE FOR DRAINAGE			
Lump Sum	LS	DISC BEARINGS			
Lump Sum	LS	ELASTOMERIC BEARINGS			
Lump Sum	LS	FOAM JOINT SEALS			
Lump Sum	LS	EXPANSION JOINT SEALS			
Lump Sum	LS	GENERIC STRUCTURE ITEM ABESTOS ASSESSMENT			

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

**L170516 012**

**CONTRACT ID : C204020 44973.3.3**

**DIV OFFICE EDENTON**

**LENGTH = 0.000 MI**

**COUNTY : HYDE, DARE**

**CONSTRUCTION OF ONE PASSENGER FERRY.**

**DBE GOAL 0% COMPLETION DATE : APR 28 2018**

**NC-12.**

**ROADWAY ITEMS**

Lump Sum LS GENERIC MISCELLANEOUS ITEM  
PASSENGER FERRY