




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 AUGUST 18, 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 JULY 21, 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 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	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** L150818

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
*001	C203513	35781.3.FD1	PITT	1.447 MI	GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, AND STRUCTURE.
002	C203496	34932.3.FD2	NEW HANOVER	1.536 MI	GRADING, DRAINAGE, PAVING & SIGNALS.
003	C203746	2016CPT.03.04.10711 ETC.	PENDER	17.550 MI	MILLING, WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.
**004	C203632	41099.3.2	ROBESON	2.410 MI	GRADING, DRAINAGE, RAILROAD BED & STRUCTURES.
005	C203550	42180.3.FD1	MECKLENBURG	0.251 MI	GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURE.
006	C203565	42295.3.FR1	CABARRUS	0.345 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
007	C203585	57500.3.FRA01T4A	MECKLENBURG	0.537 MI	GRADING, DRAINAGE, PAVING, WALLS, AND STRUCTURE.

\*NOTE: C203513 U-3315 PITT COUNTY WILL HAVE A MANDATORY PRE-BID CONFERENCE ON WEDNESDAY, AUGUST 5, 2015 AT 10:00AM AT: NCDOT DIVISION 2 CONFERENCE ROOM, 105 PACTOLUS HWY (NC-33), GREENVILLE, NC 27835, (252) 439-2800.

\*\*NOTE: C203632 P-4900A ROBESON COUNTY WILL HAVE A MANDATORY PRE-BID CONFERENCE ON THURSDAY, JULY 30, 2015 AT 10:00AM AT: PEMBROKE TOWN HALL, 100 UNION CHAPEL RD, PEMBROKE, NC 28372.

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

L150818 001

CONTRACT ID : C203513 35781.3.FD1

DIV OFFICE GREENVILLE

LENGTH = 1.447 MI

COUNTY : PITT

GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : MAY 14 2019

STANTONBURG RD/10TH ST CONNECTOR FROM MEMORIAL DR TO SR-1702 (EVANS ST).

ROADWAY ITEMS					
			104	LF	42" RC PIPE CULVERTS, CLASS IV
			412	LF	GENERIC PIPE ITEM
					16" DUCTILE IRON PIPE, CLASS 250 (SEALED)
			88	LF	GENERIC PIPE ITEM
					18" DUCTILE IRON PIPE, CLASS 250 (SEALED)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	FIELD OFFICE			
700	HR	GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION - STANDARD	236	LF	GENERIC PIPE ITEM
					24" DUCTILE IRON PIPE, CLASS 250 (SEALED)
150	HR	GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION - VACUUM	365	LF	GENERIC PIPE ITEM
					30" DUCTILE IRON PIPE, CLASS 150 (SEALED)
4	EA	SEALING ABANDONED WELLS	216	LF	GENERIC PIPE ITEM
5,000	CY	UNDERCUT EXCAVATION			36" DUCTILE IRON PIPE, CLASS 150 (SEALED)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	152	LF	GENERIC PIPE ITEM
					42" DUCTILE IRON PIPE, CLASS 150 (SEALED)
Lump Sum	LS	GRADING			
102,000	CY	BORROW EXCAVATION	168	LF	GENERIC PIPE ITEM
19	EA	EMBANKMENT SETTLEMENT GAUGES			48" DUCTILE IRON PIPE, CLASS 150 (SEALED)
5	HR	PROOF ROLLING			
5,000	CY	SELECT GRANULAR MATERIAL	1,452	LF	GENERIC PIPE ITEM
8,000	SY	GEOTEXTILE FOR SOIL STABILIZATION			54" DUCTILE IRON PIPE, CLASS 150 (SEALED)
5,420	SF	TEMPORARY SHORING	56	LF	GENERIC PIPE ITEM
2,500	CY	GENERIC GRADING ITEM LOADING HAZARDOUS CONTAMINATED SOIL			54" DUCTILE IRON PIPE, CLASS 150 (SEALED, UNDER RR)
5,500	CY	GENERIC GRADING ITEM STOCKPILING NON-HAZARDOUS CONTAMINATED SOIL	108	LF	GENERIC PIPE ITEM
					54" RC PIPE CULVERTS, CLASS V (JACK, UNDER RR)
4,130	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	556	LF	GENERIC PIPE ITEM
8,100	SY	FOUNDATION CONDITIONING GEOTEXTILE			60" DUCTILE IRON PIPE, CLASS 150 (SEALED)
200	CY	GENERIC DRAINAGE ITEM DRAINAGE ANTI-SEEP COLLAR	52	LF	GENERIC PIPE ITEM
2,204	LF	15" RC PIPE CULVERTS, CLASS III			48" RC PIPE CULVERTS, CLASS V (UNDER RR)
708	LF	18" RC PIPE CULVERTS, CLASS III	3	EA	GENERIC PIPE ITEM
					ROOF DRAIN SYSTEM
652	LF	24" RC PIPE CULVERTS, CLASS III	27	EA	GENERIC PIPE ITEM
300	LF	30" RC PIPE CULVERTS, CLASS III			STRUCTURE SEALED WITH BOOTS
376	LF	36" RC PIPE CULVERTS, CLASS III	11,485	LF	PIPE REMOVAL
576	LF	42" RC PIPE CULVERTS, CLASS III	5,750	CY	SHALLOW UNDERCUT
1,540	LF	48" RC PIPE CULVERTS, CLASS III	10,000	TON	CLASS IV SUBGRADE STABILIZATION
780	LF	54" RC PIPE CULVERTS, CLASS III	13,000	TON	CLASS IV AGGREGATE STABILIZATION
208	LF	60" RC PIPE CULVERTS, CLASS III	6,720	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
160	LF	72" RC PIPE CULVERTS, CLASS III	1,000	TON	INCIDENTAL STONE BASE
412	LF	78" RC PIPE CULVERTS, CLASS III	10,900	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
248	LF	***** RC PIPE CULVERTS, CLASS IV (48")	17,300	SY	MILLING ASPHALT PAVEMENT, ***" TO *****" (0" TO 3")
24	LF	***** RC PIPE CULVERTS, CLASS IV (54")	11,800	SY	INCIDENTAL MILLING
572	LF	***** RC PIPE CULVERTS, CLASS IV (60")	2,390	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
568	LF	***** RC PIPE CULVERTS, CLASS IV (66")	13,620	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
392	LF	***** RC PIPE CULVERTS, CLASS IV (72")	2,820	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
28	LF	***** RC PIPE CULVERTS, CLASS IV (84")	20,330	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
5,880	LF	15" RC PIPE CULVERTS, CLASS IV	2,750	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,352	LF	18" RC PIPE CULVERTS, CLASS IV	14,470	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,256	LF	24" RC PIPE CULVERTS, CLASS IV	2,835	TON	ASPHALT BINDER FOR PLANT MIX
1,520	LF	30" RC PIPE CULVERTS, CLASS IV	200	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
700	LF	36" RC PIPE CULVERTS, CLASS IV	575	CY	SUBDRAIN EXCAVATION
			430	CY	SUBDRAIN FINE AGGREGATE
			2,550	LF	6" PERFORATED SUBDRAIN PIPE
			6	EA	SUBDRAIN PIPE OUTLET
			36	LF	6" OUTLET PIPE
			7	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
			1	CY	PIPE COLLARS
			1	CY	PIPE PLUGS

			1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	
135	CY	FLOWABLE FILL	10	EA	STOCKPILE SIGN SYSTEM, U-CHANNEL	
260	EA	MASONRY DRAINAGE STRUCTURES	89	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	
273	CY	MASONRY DRAINAGE STRUCTURES	8	EA	DISPOSAL OF SIGN SYSTEM, WOOD	
176	LF	MASONRY DRAINAGE STRUCTURES	2	EA	DISPOSAL OF SUPPORT, U-CHANNEL	
39	EA	FRAME WITH TWO GRATES, STD 840.16	2	EA	DISPOSAL OF SIGN, D, E OR F	
2	EA	FRAME WITH TWO GRATES, STD 840.20	2	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM ON SPAN WIRE	
1	EA	FRAME WITH TWO GRATES, STD 840.22	1,800	SF	WORK ZONE SIGNS (STATIONARY)	
17	EA	FRAME WITH TWO GRATES, STD 840.24	717	SF	WORK ZONE SIGNS (PORTABLE)	
5	EA	FRAME WITH TWO GRATES, STD 840.29	766	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	
68	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	4	EA	FLASHING ARROW BOARD	
94	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	
79	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	60	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	
25	EA	FRAME WITH COVER, STD 840.54	333	EA	DRUMS	
20	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET	868	LF	BARRICADES (TYPE III)	
5	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	180	DAY	FLAGGER	
10	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	1	EA	TEMPORARY CRASH CUSHIONS	
1	EA	GENERIC DRAINAGE ITEM CONCRETE FLUME IN 2'-0" CURB & GUTTER	2	EA	RESET TEMPORARY CRASH CUSHION	
17	EA	GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURES (SEALED)	2	EA	TMA	
26	LF	GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURES (SEALED)	780	LF	PORTABLE CONCRETE BARRIER	
63	CY	GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURES (SEALED)	340	LF	RESET PORTABLE CONCRETE BARRIER	
170	LF	***X*** CONCRETE CURB (8" X 12")	180	HR	LAW ENFORCEMENT	
490	LF	***,*** CONCRETE CURB & GUTTER (2'-0")	517	EA	TEMPORARY RAISED PAVEMENT MARKERS	
7,420	LF	1'-6" CONCRETE CURB & GUTTER	15,635	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	
25,715	LF	2'-6" CONCRETE CURB & GUTTER	36,922	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	
17,550	SY	4" CONCRETE SIDEWALK	1,051	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	
140	EA	CONCRETE CURB RAMP	3,199	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	
4,220	SY	6" CONCRETE DRIVEWAY	1,943	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	
2,410	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	37	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	
460	SY	GENERIC PAVING ITEM BRICK PAVER CROSSWALK	260	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	
330	SY	GENERIC PAVING ITEM BRICK PAVER SIDEWALK	810	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	
1,280	SY	GENERIC PAVING ITEM SCORED CONCRETE SIDEWALK	83,561	LF	PAINT PAVEMENT MARKING LINES (4")	
4	EA	ADJUSTMENT OF CATCH BASINS	1,736	LF	PAINT PAVEMENT MARKING LINES (8")	
1	EA	ADJUSTMENT OF DROP INLETS	9,358	LF	PAINT PAVEMENT MARKING LINES (24")	
46	EA	ADJUSTMENT OF MANHOLES	282	EA	PAINT PAVEMENT MARKING SYMBOL	
34	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	24,889	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	
2,650	LF	STEEL BM GUARDRAIL	175	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	
20	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	699	EA	PERMANENT RAISED PAVEMENT MARKERS	
15	EA	ADDITIONAL GUARDRAIL POSTS	18	EA	7' U-CHANNEL POSTS	
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	15,840	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	PORTABLE LIGHTING	
510	LF	CHAIN LINK FENCE RESET	11	LF	2" WATER LINE	
2,350	LF	GENERIC FENCING ITEM ORNAMENTAL FENCE (ROADWAY)	3,480	LF	6" WATER LINE	
1,600	SY	GEOTEXTILE FOR DRAINAGE	6,111	LF	8" WATER LINE	
53	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (D)	440	LF	10" WATER LINE	
1,074	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	3,282	LF	12" WATER LINE	
77	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)	145	LF	16" WATER LINE	
1,876	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	1	EA	2" VALVE	
4	EA	SIGN ERECTION, TYPE D	23	EA	6" VALVE	
196	EA	SIGN ERECTION, TYPE E	25	EA	8" VALVE	
7	EA	SIGN ERECTION, TYPE F	6	EA	10" VALVE	
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)	9	EA	12" VALVE	
			2	EA	6" TAPPING VALVE	
			1	EA	8" TAPPING VALVE	
			2	EA	12" TAPPING VALVE	
			3	EA	16" TAPPING VALVE	
			5	EA	2" WATER METER	
			41	EA	RELOCATE WATER METER	
			8	EA	RECONNECT WATER METER	
			4	EA	FIRE HYDRANT	
			14	EA	RELOCATE FIRE HYDRANT	
			20	LF	6" SANITARY GRAVITY SEWER	
			795	LF	8" SANITARY GRAVITY SEWER	
			283	LF	10" SANITARY GRAVITY SEWER	
			47	EA	SANITARY SEWER CLEAN-OUT	

9	EA	4" DIA UTILITY MANHOLE	127	EA	GENERIC PLANTING ITEM BUDDLEIA DAVIDII PETITE INDIGO BUTTERFLY BUSH (CONT. 24" W)
16	LF	UTILITY MANHOLE WALL, 4" DIA	87	EA	GENERIC PLANTING ITEM CEPHALOTAXUS HARRINGTONIA, DUKE'S GARDEN PLUM YEW (CONT. 24" W)
2,435	LF	ABANDON 6" UTILITY PIPE	147	EA	GENERIC PLANTING ITEM CHASMANTHIUM LATIFOLIUM, RIVER MIST VARIEGATED NORTHERN SEA OATS (CONT 24")
5,847	LF	ABANDON 8" UTILITY PIPE	227	EA	GENERIC PLANTING ITEM CLETHRA ALNIFOLIA, SIXTEEN CANDLES SUMMERSWEET (CONT. 24")
270	LF	ABANDON 10" UTILITY PIPE	54	EA	GENERIC PLANTING ITEM FORSYTHIA X INTERMEDIA, MINDOR SHOW OFF (CONT. 30")
2,730	LF	ABANDON 12" UTILITY PIPE	29	EA	GENERIC PLANTING ITEM GAURA LINDHEIMERI, WHIRLING BUTTERFLIES (CONT. 18")
1	EA	REMOVE WATER METER	925	EA	GENERIC PLANTING ITEM HEMEROCALLIS, STELLA DE ORO DAYLILLY (CONT. 18")
6	EA	REMOVE UTILITY MANHOLE	30	EA	GENERIC PLANTING ITEM ILEX CRENATA, STEEDS JAPANESE HOLLY (CONT. 36")
10	LF	*** ENCASEMENT PIPE (8")	167	EA	GENERIC PLANTING ITEM ILEX GLABRA, CHAMZIN NORDIC HOLLY (CONT. 24")
10	LF	12" ENCASEMENT PIPE	3	EA	GENERIC PLANTING ITEM ILEX OPACA, GREENLEAF HOLLY (B&B 8')
322	LF	16" ENCASEMENT PIPE	5	EA	GENERIC PLANTING ITEM ILEX VERTICILLATA, SOUTHERN GENTLEMAN WINTERBERRY HOLLY (CONT. 36")
15	LF	18" ENCASEMENT PIPE	31	EA	GENERIC PLANTING ITEM ILEX VERTICILLATA, WINTER RED HOLLY (CONT. 36")
200	LF	24" ENCASEMENT PIPE	698	EA	GENERIC PLANTING ITEM ILEX VOMITORIA, NANA DWARF YAUPON HOLLY (CONT. 18")
115	LF	*** GAS LINE (3/4")	11	EA	GENERIC PLANTING ITEM ILEX X ATTENUATA, FOSTER NO 2 HOLLY (B&B 8')
5	LF	*** GAS LINE (5/8")	18	EA	GENERIC PLANTING ITEM ITEA VIRGINICA, VIRGINIA WILLOW (CONT. 24")
5,062	LF	2" GAS LINE	75	EA	GENERIC PLANTING ITEM LAGERSTROEMIA, CRAPE MYRTLE MIAMI CRAPE MYRTLE (B&B 10')
1,158	LF	4" GAS LINE	14	EA	GENERIC PLANTING ITEM LAGERSTROEMIA, INDICA, DWARF VICTOR CRAPE MYRTLE (B&B 36" MIN.)
1,016	LF	8" GAS LINE	84	EA	GENERIC PLANTING ITEM LAGERSTROEMIA, MUSKOGEE CRAPE MYRTLE (B&B 10')
8	EA	*** GAS VALVE (3/4")	127	EA	GENERIC PLANTING ITEM LAGERSTROEMIA, NATCHEZ CRAPE MYRTLE (B&B 10')
1	EA	*** GAS VALVE (5/8")	571	EA	GENERIC PLANTING ITEM LIRIOPE MUSCARI, BIG BLUE LILYTURF (1 GAL 12")
10	EA	2" GAS VALVE	48	EA	GENERIC PLANTING ITEM PANICUM VIRGATUM, DALLAS BLUES SWITCH GRASS (CONT. 24")
2	EA	4" GAS VALVE	39	EA	GENERIC PLANTING ITEM PENNISETUM ALOPECUROIDES, HAMELN DWARF FOUNTAIN GRASS (CONT. 12")
2	EA	GENERIC UTILITY ITEM 10" VITON GASKET	22	EA	GENERIC PLANTING ITEM QUERCUS NUTTALLII, NUTTALL OAK (B&B 2" CAL. 14')
78	EA	GENERIC UTILITY ITEM 12" VITON GASKET	15	EA	GENERIC PLANTING ITEM QUERCUS PHELLOS, HIGHTOWER WILLOW OAK (B&B 2" CAL. 14')
95	EA	GENERIC UTILITY ITEM 6" VITON GASKET	421	EA	GENERIC PLANTING ITEM RHAPHIOLEPIS INDICA, CONOR (CONT. 24")
43	EA	GENERIC UTILITY ITEM 8" VITON GASKET	91	EA	GENERIC PLANTING ITEM ROSA, X RADSUNNY SUNNY KNOCKOUT ROSE (CONT. 12"-15")
41,500	LF	TEMPORARY SILT FENCE	36	EA	GENERIC PLANTING ITEM ROSMARINUS OFFICIANALIS, ARP ROSEMARY (CONT. 18")
500	TON	STONE FOR EROSION CONTROL, CLASS A	16	EA	GENERIC PLANTING ITEM TAXODIUM DISTICHUM, AUTUMN GOLD BLAD CYPRESS (B&B 2" CAL. 14')
1,100	TON	STONE FOR EROSION CONTROL, CLASS B			
4,000	TON	SEDIMENT CONTROL STONE			
26.5	ACR	TEMPORARY MULCHING			
1,300	LB	SEED FOR TEMPORARY SEEDING			
6.5	TON	FERTILIZER FOR TEMPORARY SEED- ING			
1,200	LF	TEMPORARY SLOPE DRAINS			
100	LF	SAFETY FENCE			
900	CY	SILT EXCAVATION			
5,000	SY	MATting FOR EROSION CONTROL			
17,500	LF	1/4" HARDWARE CLOTH			
600	LF	WATTLE			
680	LF	COIR FIBER BAFFLE			
24	ACR	SEEDING & MULCHING			
21	ACR	MOWING			
300	LB	SEED FOR REPAIR SEEDING			
1	TON	FERTILIZER FOR REPAIR SEEDING			
550	LB	SEED FOR SUPPLEMENTAL SEEDING			
16.5	TON	FERTILIZER TOPDRESSING			
50	MHR	SPECIALIZED HAND MOWING			
100	EA	RESPONSE FOR EROSION CONTROL			
15	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE			
12,500	CY	GENERIC EROSION CONTROL ITEM LANDSCAPE TOP SOIL			
130	LB	GENERIC EROSION CONTROL ITEM TIF BLAIR CENTIPEDE GRASS SEED			
240	LF	GENERIC EROSION CONTROL ITEM BULLNOSE BRICK BORDER EDGE			
165	LF	GENERIC EROSION CONTROL ITEM LANDSCAPE WALL WITH BRICK VENEER			
9	EA	GENERIC PLANTING ITEM ACER BUERGERIANUM, TRIDENT MAPLE (B&B 2" CAL. 14')			
2	EA	GENERIC PLANTING ITEM ACER BUERGERIANUM, TRIDENT MAPLE (B&B 3 1/2" CAL. 16')			
9	EA	GENERIC PLANTING ITEM ACER PALMATUM, BLOODGOOD JAPANESE MAPLE (B&B 2" CAL. 10')			
754	EA	GENERIC PLANTING ITEM ASTER OBLONGIFOLIUS, OCTOBER SKIES AROMATIC ASTER (CONT. 12")			
44	EA	GENERIC PLANTING ITEM AZALEA ENCORE, AUTUMN ANGEL (CONT. 24")			



40	EA	GENERIC PLANTING ITEM ULMUS PARVIFOLIA, ATHENA ELM (B&B 2" CAL. 14)
9	EA	GENERIC PLANTING ITEM PRECAST COLUMN
9	EA	GENERIC PLANTING ITEM PRECAST COLUMN SIGN
4	EA	GENERIC PLANTING ITEM REMOVE & RESET COLUMN
700	CY	MULCH FOR PLANTING
13,852	SY	GENERIC PLANTING ITEM TIF BLAIR CENTIPEDE GRASS SOD
38	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
31,380	LF	SIGNAL CABLE
101	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
14	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
9	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
2	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD
3,565	LF	MESSENGER CABLE (3/8")
65	LF	BORE & JACK (***** (1, 5")
940	LF	TRACER WIRE
4,005	LF	UNPAVED TRENCHING (***** (1, 2")
1,265	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
1,470	LF	DIRECTIONAL DRILL (***** (2, 2")
90	EA	JUNCTION BOX (STANDARD SIZE)
6	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
11	EA	WOOD POLE
32	EA	GUY ASSEMBLY
3	EA	1" RISER WITH WEATHERHEAD
6	EA	2" RISER WITH WEATHERHEAD
1	EA	HEAT SHRINK TUBING RETROFIT KIT
4	EA	2" RISER WITH HEAT SHRINK TUBING
17,462	LF	INDUCTIVE LOOP SAWCUT
36,195	LF	LEAD-IN CABLE (***** (14-2)
1,820	LF	COMMUNICATIONS CABLE (**FIBER) (12)
2	EA	MODIFY SPLICE ENCLOSURE
4	EA	INTERCONNECT CENTER
4	EA	FIBER-OPTIC TRANSCEIVER, SELF- HEALING RING
1,500	LF	REMOVE EXISTING COMMUNICATIONS CABLE
2	EA	METAL STRAIN SIGNAL POLE
3	EA	METAL POLE WITH SINGLE MAST ARM
16	EA	SOIL TEST
128	CY	DRILLED PIER FOUNDATION
6	EA	METAL STRAIN POLE DESIGN
8	EA	MAST ARM WITH METAL POLE DE- SIGN
24	EA	SIGN FOR SIGNALS
3	EA	TYPE I POST WITH FOUNDATION
30	EA	TYPE II PEDESTAL WITH FOUND- ATION
4	EA	SIGNAL CABINET FOUNDATION
4	EA	CONTROLLER WITH CABINET (NEMA TS-2, TYPE 2 CONTROLLER, TYPE I CABINET, BASE MOUNTED)
42	EA	DETECTOR CARD (NEMA TS-2)
9	EA	METAL POLE FOUNDATION REMOVAL
9	EA	METAL POLE REMOVAL
2	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
2	EA	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY
2	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH
5	EA	GENERIC SIGNAL ITEM METAL POLE WITH SINGLE MAST ARM AND LUMINAIRE ARM
6	EA	GENERIC SIGNAL ITEM METAL STRAIN SIGNAL POLE WITH LUMINAIRE ARM
3	EA	GENERIC SIGNAL ITEM POWDER COAT FOR PUSH BUTTON POST (BLACK)
30	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SIGNAL PEDESTAL (BLACK)

8	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SINGLE MAST ARM POLE (BLACK)
8	EA	GENERIC SIGNAL ITEM POWDER COAT FOR STRAIN POLE (BLACK)
600	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE
200	LF	GENERIC SIGNAL ITEM CCTV UNIFIED CABLE

**WALL ITEMS**

21,430	SF	MSE RETAINING WALL NO **** (1)
27,710	SF	MSE RETAINING WALL NO **** (2)
Lump Sum	LS	GENERIC RETAINING WALL ITEM BRICK FACADE @ MSE WALL NO 1
Lump Sum	LS	GENERIC RETAINING WALL ITEM BRICK FACADE @ MSE WALL NO 2
261	LF	GENERIC RETAINING WALL ITEM ORNAMENTAL FENCE FOR RETAINING WALL
565	SF	GENERIC RETAINING WALL ITEM CIP CANTILEVER RET WALL NO 3
1,005	SF	GENERIC RETAINING WALL ITEM CIP CANTILEVER RET WALL NO 4

**STRUCTURE ITEMS**

2	EA	PDA TESTING
13,932	SF	REINFORCED CONCRETE DECK SLAB
12,330	SF	GROOVING BRIDGE FLOORS
72.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (65+56.61 -L-)
11,778	LB	REINFORCING STEEL (BRIDGE)
646,000	LS	APPROX ..... LBS STRUCTURAL STEEL
2,800	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
28	EA	PIPE PILE PLATES
28	EA	PILE REDRIVES
356.7	LF	VERTICAL CONCRETE BARRIER RAIL
54	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (65+56.61 -L-)
Lump Sum	LS	GENERIC STRUCTURE ITEM APPLICATION OF BRIDGE COATING
356.7	LF	GENERIC STRUCTURE ITEM ORNAMENTAL FENCE

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150818 002

CONTRACT ID : C203496 34932.3.FD2

DIV OFFICE CASTLE HAYNE

LENGTH = 1.536 MI

COUNTY : NEW HANOVER

GRADING, DRAINAGE, PAVING & SIGNALS.

DBE GOAL 13.0% COMPLETION DATE : DEC 28 2018

SR-1175 (KERR AVE) FROM RANDALL PKWY TO SR-2649 (MARTIN LUTHER KING JR PKWY) IN WILMINGTON.

ROADWAY ITEMS

			23,330	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
			8,250	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
Lump Sum	LS	MOBILIZATION	19,200	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
Lump Sum	LS	CONSTRUCTION SURVEYING	6,575	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum	LS	FIELD OFFICE	21,300	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
Lump Sum	LS	GRADING	4,940	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	290	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,100	CY	UNDERCUT EXCAVATION	4,220	TON	ASPHALT BINDER FOR PLANT MIX
480	CY	DRAINAGE DITCH EXCAVATION	413	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
1,100	CY	SELECT GRANULAR MATERIAL	112	CY	SUBDRAIN EXCAVATION
4,600	SY	GEOTEXTILE FOR SOIL STABILIZATION	500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
280	SY	REINFORCED SOIL SLOPES	84	CY	SUBDRAIN COARSE AGGREGATE
100	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	500	LF	6" PERFORATED SUBDRAIN PIPE
2,752	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1	EA	SUBDRAIN PIPE OUTLET
8,200	SY	FOUNDATION CONDITIONING GEOTEXTILE	6	LF	6" OUTLET PIPE
8	LF	***" DRAINAGE PIPE (60")	8.3	CY	ENDWALLS
1,116	LF	12" DRAINAGE PIPE	7	CY	REINFORCED ENDWALLS
1,140	LF	15" DRAINAGE PIPE	1,903	CY	PIPE COLLARS
648	LF	18" DRAINAGE PIPE	2	CY	PIPE PLUGS
516	LF	24" DRAINAGE PIPE	1,682	CY	FLOWABLE FILL
320	LF	30" DRAINAGE PIPE	341	EA	MASONRY DRAINAGE STRUCTURES
44	LF	36" DRAINAGE PIPE	54,473	CY	MASONRY DRAINAGE STRUCTURES
36	LF	48" DRAINAGE PIPE	37.3	LF	MASONRY DRAINAGE STRUCTURES
1,740	LF	***" RC PIPE CULVERTS, CLASS ***** (12", V)	72	EA	FRAME WITH TWO GRATES, STD 840.16
6,788	LF	***" RC PIPE CULVERTS, CLASS ***** (15", V)	4	EA	FRAME WITH TWO GRATES, STD 840.24
2,468	LF	***" RC PIPE CULVERTS, CLASS ***** (18", V)	51	EA	FRAME WITH TWO GRATES, STD 840.29
3,056	LF	***" RC PIPE CULVERTS, CLASS ***** (24", V)	50	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
3,252	LF	***" RC PIPE CULVERTS, CLASS ***** (30", V)	75	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
564	LF	***" RC PIPE CULVERTS, CLASS ***** (36", V)	97	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
100	LF	***" RC PIPE CULVERTS, CLASS ***** (42", V)	9	EA	FRAME WITH COVER, STD 840.54
420	LF	***" RC PIPE CULVERTS, CLASS ***** (48", V)	45	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET
368	LF	***" RC PIPE CULVERTS, CLASS ***** (54", V)	30	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
596	LF	***" RC PIPE CULVERTS, CLASS ***** (60", V)	3,560	LF	***"X ***" CONCRETE CURB (8" X 18")
664	LF	***" RC PIPE CULVERTS, CLASS ***** (66", V)	4,745	LF	1'-6" CONCRETE CURB & GUTTER
556	LF	***" CAA PIPE CULVERTS, ***** THICK (60", 0.109")	30,250	LF	2'-6" CONCRETE CURB & GUTTER
64	LF	GENERIC PIPE ITEM 15" DUCTILE IRON PIPE	345	LF	CONCRETE EXPRESSWAY GUTTER
132	LF	GENERIC PIPE ITEM 103" X 71" CAAPA PIPE, 0.135" THICK	12,700	SY	4" CONCRETE SIDEWALK
2,195	LF	PIPE REMOVAL	90	EA	CONCRETE CURB RAMP
12,000	TON	STABILIZER AGGREGATE	3,100	SY	6" CONCRETE DRIVEWAY
1,000	TON	AGGREGATE BASE COURSE	6,010	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
5,000	TON	INCIDENTAL STONE BASE	7	EA	ADJUSTMENT OF CATCH BASINS
18,340	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")	56	EA	ADJUSTMENT OF MANHOLES
3,140	SY	INCIDENTAL MILLING	45	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			2	EA	CONVERT EXISTING JUNCTION BOX TO DROP INLET
			2	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING JUNCTION BOX TO 2GI
			5	EA	ADDITIONAL GUARDRAIL POSTS
			250	LF	TEMPORARY STEEL BM GUARDRAIL
			1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)
			1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
			2,630	LF	CHAIN LINK FENCE, 48" FABRIC

225	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	11	EA	8" VALVE
30	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	13	EA	12" VALVE
6	EA	METAL GATE POSTS FOR **** CHAIN LINK FENCE, SINGLE GATE (48")	4	EA	6" TAPPING VALVE
3	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (48", 30', 30')	116	EA	RELOCATE WATER METER
20	TON	RIP RAP, CLASS I	5	EA	RECONNECT WATER METER
60	TON	RIP RAP, CLASS B	6	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (1")
1,075	SY	GEOTEXTILE FOR DRAINAGE	1	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (1-1/4")
2,700	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	1	EA	RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY
2	EA	SIGN ERECTION, TYPE D	1	EA	RELOCATE 6" RPZ BACKFLOW PREVENTION ASSEMBLY
131	EA	SIGN ERECTION, TYPE E	35	EA	RELOCATE FIRE HYDRANT
15	EA	SIGN ERECTION, TYPE F	18	LF	6" SANITARY GRAVITY SEWER
27	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	388	LF	8" SANITARY GRAVITY SEWER
2,030	SF	WORK ZONE SIGNS (STATIONARY)	18	LF	10" SANITARY GRAVITY SEWER
861	SF	WORK ZONE SIGNS (PORTABLE)	36	LF	12" SANITARY GRAVITY SEWER
230	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	240	LF	16" SANITARY GRAVITY SEWER
4	EA	FLASHING ARROW BOARD	53	LF	6" FORCE MAIN SEWER
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	60	EA	SANITARY SEWER CLEAN-OUT
973	EA	DRUMS	11	EA	4' DIA UTILITY MANHOLE
1,600	EA	CONES	32	LF	UTILITY MANHOLE WALL, 4' DIA
1,351	LF	BARRICADES (TYPE III)	42	LF	ABANDON *** UTILITY PIPE (15")
3,843	HR	FLAGGER	748	LF	ABANDON 8" UTILITY PIPE
1	EA	TEMPORARY CRASH CUSHIONS	157	LF	ABANDON 10" UTILITY PIPE
1	EA	RESET TEMPORARY CRASH CUSHION	685	LF	ABANDON 12" UTILITY PIPE
4	EA	TMA	2	EA	REMOVE WATER METER
100	LF	PORTABLE CONCRETE BARRIER	4	EA	ABANDON UTILITY MANHOLE
100	LF	RESET PORTABLE CONCRETE BARRIER	4	EA	REMOVE UTILITY MANHOLE
414	LF	WATER FILLED BARRIER	15	LF	18" ENCASUREMENT PIPE
50	LF	RESET WATER FILLED BARRIER	22	EA	GENERIC UTILITY ITEM CONCRETE PIPELINE SUPPORT CRADLE
500	HR	LAW ENFORCEMENT	19,735	LF	TEMPORARY SILT FENCE
100	EA	SKINNY DRUM	750	TON	STONE FOR EROSION CONTROL, CLASS A
70	EA	TUBULAR MARKERS (FIXED)	1,150	TON	STONE FOR EROSION CONTROL, CLASS B
1	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY PEDESTRIAN RAMP	3,955	TON	SEDIMENT CONTROL STONE
930	EA	TEMPORARY RAISED PAVEMENT MARKERS	23.5	ACR	TEMPORARY MULCHING
21,700	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	1,500	LB	SEED FOR TEMPORARY SEEDING
35,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	8.5	TON	FERTILIZER FOR TEMPORARY SEEDING
900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	200	LF	TEMPORARY SLOPE DRAINS
7,525	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	800	LF	SAFETY FENCE
1,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	1,500	CY	SILT EXCAVATION
44	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	4,600	SY	MATTING FOR EROSION CONTROL
318	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	100	SY	COIR FIBER MAT
326,888	LF	PAINT PAVEMENT MARKING LINES (4")	460	SY	PERMANENT SOIL REINFORCEMENT MAT
30,622	LF	PAINT PAVEMENT MARKING LINES (8")	16,155	LF	1/4" HARDWARE CLOTH
5,731	LF	PAINT PAVEMENT MARKING LINES (24")	35	SY	LOW PERMEABILITY GEOTEXTILE
128	EA	PAINT PAVEMENT MARKING CHARACTER	990	LF	COIR FIBER WATTLE
816	EA	PAINT PAVEMENT MARKING SYMBOL	410	LB	POLYACRYLAMIDE (PAM)
85,416	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	150	LF	COIR FIBER BAFFLE
256	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	2	EA	*** SKIMMER (1-1/2")
4,732	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	21	ACR	SEEDING & MULCHING
76	LF	REMOVAL OF PAVEMENT MARKING LINES (12")	13	ACR	MOWING
1,040	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	250	LB	SEED FOR REPAIR SEEDING
331	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	0.75	TON	FERTILIZER FOR REPAIR SEEDING
400	EA	PERMANENT RAISED PAVEMENT MARKERS	525	LB	SEED FOR SUPPLEMENTAL SEEDING
45	LF	4" WATER LINE	15.25	TON	FERTILIZER TOPDRESSING
485	LF	6" WATER LINE	10	MHR	SPECIALIZED HAND MOWING
835	LF	8" WATER LINE	25	EA	RESPONSE FOR EROSION CONTROL
18	LF	10" WATER LINE	8	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
721	LF	12" WATER LINE	2,243	CY	GENERIC EROSION CONTROL ITEM TOPSOIL
1	EA	2" VALVE	250	LF	GENERIC EROSION CONTROL ITEM TREE PROTECTION FENCE
1	EA	4" VALVE	65	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
5	EA	6" VALVE	40,580	LF	SIGNAL CABLE
			140	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			20	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
			8	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
			7	EA	BACKPLATE
			11,295	LF	MESSENGER CABLE (1/4")
			3,630	LF	MESSENGER CABLE (3/8")
			510	LF	TRACER WIRE
			855	LF	PAVED TRENCHING (***** (1, 2"))
			20	LF	PAVED TRENCHING (***** (2, 2"))

		25	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SINGLE MAST ARM POLE (BLACK)
		1	EA	GENERIC SIGNAL ITEM REMOVE EXISTING CCTV
		14	EA	GENERIC SIGNAL ITEM REPLACE CONFLICT MONITOR
		12	EA	GENERIC SIGNAL ITEM REPLACE CPU MODULE
		16	EA	GENERIC SIGNAL ITEM TEMPORARY PEDESTRIAN PUSH BUT- TON POST
		530	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE
20	LF			PAVED TRENCHING (***** (3, 2")
5,105	LF			UNPAVED TRENCHING (***** (1, 2")
1,020	LF			UNPAVED TRENCHING (***** (2, 2")
642	LF			UNPAVED TRENCHING (***** (3, 2")
140	LF			UNPAVED TRENCHING (***** (4, 2")
20	LF			UNPAVED TRENCHING (***** (5, 2")
110	LF			UNPAVED TRENCHING (***** (6, 2")
3,740	LF			UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
800	LF			DIRECTIONAL DRILL (***** (1, 2")
150	LF			DIRECTIONAL DRILL (***** (2, 2")
1,140	LF			DIRECTIONAL DRILL (***** (3, 2")
900	LF			DIRECTIONAL DRILL (***** (4, 2")
640	LF			DIRECTIONAL DRILL (***** (5, 2")
80	EA			JUNCTION BOX (STANDARD SIZE)
22	EA			JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
20	EA			WOOD POLE
94	EA			GUY ASSEMBLY
1	EA			***" RISER WITH ***** (1", TUBING)
12	EA			1/2" RISER WITH WEATHERHEAD
17	EA			1" RISER WITH WEATHERHEAD
27	EA			2" RISER WITH WEATHERHEAD
2	EA			HEAT SHRINK TUBING RETROFIT KIT
10	EA			2" RISER WITH HEAT SHRINK TUBING
28,720	LF			INDUCTIVE LOOP SAWCUT
69,030	LF			LEAD-IN CABLE (***** (14-2)
12,475	LF			COMMUNICATIONS CABLE (**FIBER) (24)
3,911	LF			DROP CABLE
8	EA			SPLICE ENCLOSURE
10	EA			MODIFY SPLICE ENCLOSURE
9	EA			INTERCONNECT CENTER
1	EA			MODIFY RADIO INSTALLATION
2,625	LF			REMOVE EXISTING COMMUNICATIONS CABLE
2	EA			CABLE TRANSFER
25	EA			METAL POLE WITH SINGLE MAST ARM
1	EA			METAL POLE WITH DUAL MAST ARM
26	EA			SOIL TEST
520	CY			DRILLED PIER FOUNDATION
26	EA			MAST ARM WITH METAL POLE DE- SIGN
61	EA			SIGN FOR SIGNALS
36	EA			TYPE II PEDESTAL WITH FOUND- ATION
7	EA			SIGNAL CABINET FOUNDATION
1	EA			CONDUIT ENTRANCE INTO EXISTING FOUNDATION
8	EA			CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
78	EA			DETECTOR CARD (TYPE 2070L)
7	EA			CABINET BASE EXTENDER
1	EA			GENERIC SIGNAL ITEM CARD CAGE
2	EA			GENERIC SIGNAL ITEM CCTV CABINET
3	EA			GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
2	EA			GENERIC SIGNAL ITEM CCTV WOOD POLE (CLASS 3)
3	EA			GENERIC SIGNAL ITEM DIGITAL HARDWARE VIDEO DECODER
23	EA			GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
2	EA			GENERIC SIGNAL ITEM FURNISH ETHERNET EDGE SWITCH
1	EA			GENERIC SIGNAL ITEM POWDER COAT FOR DUAL MAST ARM POLE (BLACK)
33	EA			GENERIC SIGNAL ITEM POWDER COAT FOR SIGNAL PEDESTAL (BLACK)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150818 003

CONTRACT ID : C203746 2016CPT.03.04.10711 DIV OFFICE CASTLE HAYNE  
 COUNTY : PENDER

LENGTH = 17.550 MI

MILLING, WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : JUN 10 2016

US-117 FROM US-117 BUS TO SR-1504, NC-53 FROM US-117 TO US-117 BUS AND 3 SECTIONS OF SECONDARY ROADS.

		ROADWAY ITEMS		3.34	TON	FERTILIZER FOR REPAIR SEEDING
				2,495	LF	INDUCTIVE LOOP SAWCUT
				1,055	LF	LEAD-IN CABLE (***** (14-2)
Lump Sum	LS	MOBILIZATION				
1,903	CY	BORROW EXCAVATION				
667	TON	INCIDENTAL STONE BASE				
27.49	SMI	SHOULDER RECONSTRUCTION				
3,828	SY	INCIDENTAL MILLING				
2,115	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B				
37,917	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B				
200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)				
2,383	TON	ASPHALT BINDER FOR PLANT MIX				
2,333	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)				
300	LF	GENERIC PAVING ITEM REMOVE & REPLACE 6" X 9" ASPHALT CURB				
125,179	SY	GENERIC PAVING ITEM FINE MILLING (1-1/2")				
124,331	SY	GENERIC PAVING ITEM PAVEMENT INTERLAYER (OPTION B)				
3	SY	4" CONCRETE SIDEWALK				
1	EA	RETROFIT EXISTING CURB RAMP				
25	SY	6" CONCRETE DRIVEWAY				
20	LF	GENERIC PAVING ITEM REMOVE & REPLACE 2'-6" CURB & GUTTER				
20	LF	GENERIC PAVING ITEM REMOVE & REPLACE SHOULDER BERM GUTTER				
1	EA	GENERIC PAVING ITEM REMOVE & REPLACE CURB RAMP				
4	EA	ADJUSTMENT OF MANHOLES				
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES				
2,682	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING				
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL				
40	HR	LAW ENFORCEMENT				
185,748	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)				
127,093	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)				
70	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)				
845	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)				
54	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)				
280	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)				
99	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)				
125,253	LF	PAINT PAVEMENT MARKING LINES (4")				
70	LF	PAINT PAVEMENT MARKING LINES (8")				
737	LF	PAINT PAVEMENT MARKING LINES (12")				
280	LF	PAINT PAVEMENT MARKING LINES (24")				
96	EA	PAINT PAVEMENT MARKING SYMBOL				
767	EA	PERMANENT RAISED PAVEMENT MARKERS				
687	EA	SNOWPLOWABLE PAVEMENT MARKERS				
Lump Sum	LS	PORTABLE LIGHTING				
2,427	LF	TEMPORARY SILT FENCE				
405	TON	STONE FOR EROSION CONTROL, CLASS B				
414	TON	SEDIMENT CONTROL STONE				
16.22	ACR	TEMPORARY MULCHING				
120	SY	MATTING FOR EROSION CONTROL				
654	LF	1/4" HARDWARE CLOTH				
350	LF	WATTLE				
17.8	ACR	SEEDING & MULCHING				
1,038	LB	SEED FOR REPAIR SEEDING				

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150818 004

CONTRACT ID : C203632 41099.3.2

DIV OFFICE FAYETTEVILLE

LENGTH = 2.410 MI

COUNTY : ROBESON

GRADING, DRAINAGE, RAILROAD BED & STRUCTURES.

MBE GOAL 5.0% WBE 5.0% COMPLETION DATE : MAY 30 2018

RAILROAD BYPASS OF PEMBROKE.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	
Lump Sum	LS	CONSTRUCTION SURVEYING	
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	
3	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	
61,500	CY	UNCLASSIFIED EXCAVATION	
16,000	CY	UNDERCUT EXCAVATION	
289,100	CY	BORROW EXCAVATION	
12	EA	EMBANKMENT SETTLEMENT GAUGES	
620	CY	DRAINAGE DITCH EXCAVATION	
80	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	
11	HR	PROOF ROLLING	
10,200	SY	GEOTEXTILE FOR SOIL STABILIZA- TION	
790	SF	TEMPORARY SHORING	
Lump Sum	LS	GENERIC GRADING ITEM PREPARATION OF EXISTING GROUND	
35,000	TON	GENERIC GRADING ITEM SURGE STONE	
3,000	TON	SELECT MATERIAL, CLASS ***** (VI)	
70	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	
200	SY	FOUNDATION CONDITIONING GEO- TEXTILE	
32	LF	24" RC PIPE CULVERTS, CLASS III	
326	LF	**** RC PIPE CULVERTS, CLASS ** (UNDER RR) (36", V)	
92	LF	**** RC PIPE CULVERTS, CLASS ** (UNDER RR) (42", V)	
68	LF	**** RC PIPE CULVERTS, CLASS ** (UNDER RR) (48", V)	
80	LF	**** RC PIPE CULVERTS, CLASS ** (UNDER RR) (60", V)	
39	LF	GENERIC PIPE ITEM 36" WELDED STEEL PIPE, 0.532" THICK, GRADE B IN SOIL	
39	LF	GENERIC PIPE ITEM 36" WELDED STEEL PIPE, 0.532" THICK, GRADE B NOT IN SOIL	
Lump Sum	LS	FINE GRADING	
30	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
5	TON	ASPHALT BINDER FOR PLANT MIX	
58	EA	RIGHT OF WAY MARKERS	
48.2	CY	ENDWALLS	
11.2	CY	REINFORCED ENDWALLS	
552	TON	RIP RAP, CLASS I	
2,390	SY	GEOTEXTILE FOR DRAINAGE	
14,400	TON	AGGREGATE BASE COURSE (SUB- BALLAST)	
80	SF	WORK ZONE SIGNS (STATIONARY)	
160	SF	WORK ZONE SIGNS (PORTABLE)	
20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN	
50	EA	DRUMS	
50	EA	CONES	
48	LF	BARRICADES (TYPE III)	
320	HR	FLAGGER	
2	EA	TEMPORARY CRASH CUSHIONS	
508	LF	PORTABLE CONCRETE BARRIER	
4	EA	TEMPORARY RAISED PAVEMENT MARKERS	
2,840	LF	PAINT PAVEMENT MARKING LINES (4")	
601	LF	6" WATER LINE	
761	LF	12" WATER LINE	
1	EA	4" VALVE	

3	EA	6" VALVE	
2	EA	12" VALVE	
1	EA	RELOCATE WATER METER	
2	EA	RELOCATE FIRE HYDRANT	
4	EA	12" LINE STOP WITH BYPASS	
173	LF	4" FORCE MAIN SEWER	
171	LF	ABANDON *** UTILITY PIPE (4")	
480	LF	ABANDON 6" UTILITY PIPE	
561	LF	ABANDON 12" UTILITY PIPE	
100	LF	*** ENCASEMENT PIPE (10")	
100	LF	*** ENCASEMENT PIPE (14")	
91	LF	*** ENCASEMENT PIPE (22")	
15,800	LF	TEMPORARY SILT FENCE	
150	TON	STONE FOR EROSION CONTROL, CLASS A	
3,700	TON	STONE FOR EROSION CONTROL, CLASS B	
1,650	TON	SEDIMENT CONTROL STONE	
42	ACR	TEMPORARY MULCHING	
3,000	LB	SEED FOR TEMPORARY SEEDING	
15	TON	FERTILIZER FOR TEMPORARY SEED- ING	
5,000	LF	TEMPORARY SLOPE DRAINS	
2,200	LF	SAFETY FENCE	
13,600	CY	SILT EXCAVATION	
70,000	SY	MATTING FOR EROSION CONTROL	
335	SY	COIR FIBER MAT	
13,925	SY	PERMANENT SOIL REINFORCEMENT MAT	
200	LF	1/4" HARDWARE CLOTH	
1,050	SY	LOW PERMEABILITY GEOTEXTILE	
40	SY	FLOATING TURBIDITY CURTAIN	
33	CY	STILLING BASINS	
3,200	LF	COIR FIBER WATTLE	
600	LB	POLYACRYLAMIDE (PAM)	
4,600	LF	COIR FIBER BAFFLE	
34	EA	*** SKIMMER (1-1/2")	
2	EA	*** SKIMMER (2")	
60	ACR	SEEDING & MULCHING	
18	ACR	MOWING	
560	LB	SEED FOR REPAIR SEEDING	
1,75	TON	FERTILIZER FOR REPAIR SEEDING	
1,525	LB	SEED FOR SUPPLEMENTAL SEEDING	
45.25	TON	FERTILIZER TOPDRESSING	
50	LF	IMPERVIOUS DIKE	
30	MHR	SPECIALIZED HAND MOWING	
60	EA	RESPONSE FOR EROSION CONTROL	
90	CY	CULVERT DIVERSION CHANNEL	

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (55+31.95 -L-)	
107	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	
42,510	LB	REINFORCING STEEL (CULVERT)	
64	TON	RIP RAP, CLASS ** (I)	
229.9	CY	GENERIC CULVERT ITEM CAST-IN-PLACE CONCRETE (4,500 PSI)	

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (PIER NO 1, 38+93.39 -L-)	
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Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (PIER NO 2, 38+93.39 -L-)
7	EA	PDA TESTING
79,015	LB	REINFORCING STEEL (BRIDGE)
12,688	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
3,700	LF	HP12X53 STEEL PILES
1,800	LF	PP ** X **** STEEL PILES (14 X 0.50)
520	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
38	EA	PIPE PILE PLATES
60	EA	PILE REDRIVES
269	SY	4" SLOPE PROTECTION
623	TON	RIP RAP CLASS II (2'-0" THICK)
691	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (22+07.07 -L-)
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (38+93.36 -L-)
Lump Sum	LS	GENERIC STRUCTURE ITEM APPLICATION OF BRIDGE COATING
Lump Sum	LS	GENERIC STRUCTURE ITEM APPROX 329,519 LBS STRUCTURAL STEEL
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING OF STRUCTURAL STEEL
Lump Sum	LS	GENERIC STRUCTURE ITEM SELF-LUBRICATING EXPANSION BEARING ASSEMBLIES
556.5	LF	GENERIC STRUCTURE ITEM 4'-0" X 4'-6" P/S CONC BOX BEAMS
222.6	LF	GENERIC STRUCTURE ITEM CONCRETE BALLAST CURB
260.8	LF	GENERIC STRUCTURE ITEM CONCRETE PARAPET
300.2	LF	GENERIC STRUCTURE ITEM STEEL HANDRAIL
90.7	CY	GENERIC STRUCTURE ITEM CAST-IN-PLACE CONCRETE (4,000 PSI)
520.3	CY	GENERIC STRUCTURE ITEM CAST-IN-PLACE CONCRETE (4,500 PSI)
94.8	CY	GENERIC STRUCTURE ITEM CAST-IN-PLAST CONCRETE (5,000 PSI)
371.1	SY	GENERIC STRUCTURE ITEM DAMPPROOFING
392.5	SY	GENERIC STRUCTURE ITEM WATERPROOFING

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

L150818 005

CONTRACT ID : C203550 42180.3.FD1

DIV OFFICE ALBEMARLE

LENGTH = 0.251 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURE.

DBE GOAL 12.0% COMPLETION DATE : APR 30 2017

BRIDGE #49 OVER LITTLE SUGAR CREEK ON SR-4982.

ROADWAY ITEMS				
		25	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
		1	EA	ADJUSTMENT OF MANHOLES
		1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
Lump Sum	LS			
		200	LF	STEEL BM GUARDRAIL
Lump Sum	LS			
		5	EA	ADDITIONAL GUARDRAIL POSTS
		3	EA	GUARDRAIL ANCHOR UNITS, TYPE III
Lump Sum	LS			
		3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
		569	LF	REMOVE EXISTING GUARDRAIL
1	ACR			
		40	TON	RIP RAP, CLASS B
1,000	CY			
		1,574	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS			
		159	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
		6	EA	SIGN ERECTION, TYPE E
8,000	CY			
		2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
185	CY			
		10	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
250	CY			
		2	EA	DISPOSAL OF SUPPORT, U-CHANNEL
600	SY			
		602	SF	WORK ZONE SIGNS (STATIONARY)
		192	SF	WORK ZONE SIGNS (PORTABLE)
95	TON			
		94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
		14	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
290	SY			
		28	EA	DRUMS
172	LF			
		28	EA	CONES
136	LF			
		80	LF	BARRICADES (TYPE III)
172	LF			
		360	HR	FLAGGER
204	LF			
		28	EA	SKINNY DRUM
92	LF			
		17	EA	TUBULAR MARKERS (FIXED)
32	LF			
		1,481	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
52	LF			
		8,190	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
4	EA			
		812	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
2	EA			
		340	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
2	EA			
		246	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
82	LF			
		93	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
300	CY			
		12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
570	TON			
		45	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
75	TON			
		1,113	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
7,900	SY			
		64	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (II)
300	SY			
		8,463	LF	PAINT PAVEMENT MARKING LINES (4")
1,800	TON			
		1,736	LF	PAINT PAVEMENT MARKING LINES (8")
1,020	TON			
		88	LF	PAINT PAVEMENT MARKING LINES (24")
1,620	TON			
		28	EA	PAINT PAVEMENT MARKING CHARACTER
230	TON			
		50	EA	PAINT PAVEMENT MARKING SYMBOL
50	TON			
		1,767	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
22	EA			
		30	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
13	EA			
		220	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
6	LF			
		2	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1	EA			
		2,600	LF	TEMPORARY SILT FENCE
2	EA			
		240	TON	STONE FOR EROSION CONTROL, CLASS A
7	EA			
		280	TON	STONE FOR EROSION CONTROL, CLASS B
3	EA			
		490	TON	SEDIMENT CONTROL STONE
1	EA			
		4	ACR	TEMPORARY MULCHING
110	LF			
1,820	LF			
860	SY			
5	EA			
40	SY			



300	LB	SEED FOR TEMPORARY SEEDING
3.5	TON	FERTILIZER FOR TEMPORARY SEEDING
320	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
670	CY	SILT EXCAVATION
9,000	SY	MATTING FOR EROSION CONTROL
550	SY	COIR FIBER MAT
55	SY	PERMANENT SOIL REINFORCEMENT MAT
650	LF	1/4" HARDWARE CLOTH
12	EA	SPECIAL STILLING BASINS
270	LF	WATTLE
110	LB	POLYACRYLAMIDE (PAM)
250	LF	COIR FIBER BAFFLE
3	EA	*** SKIMMER (1-1/2")
4	ACR	SEEDING & MULCHING
2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL
6	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
460	LF	SIGNAL CABLE
2	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
900	LF	INDUCTIVE LOOP SAWCUT
3	EA	SIGN FOR SIGNALS

### STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (20+08.00 -L-)
67.75	LF	3'-6" DIA DRILLED PIERS IN SOIL
46	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
72.47	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
1	EA	SID INSPECTIONS
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (20+08.00 -L-)
10,365	SF	REINFORCED CONCRETE DECK SLAB
9,280	SF	GROOVING BRIDGE FLOORS
154.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20+08.00 -L-)
27,914	LB	REINFORCING STEEL (BRIDGE)
4,112	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,058.5	LF	45" PRESTRESSED CONCRETE GIR- DERS
280	LF	HP12X53 STEEL PILES
341.58	LF	THREE BAR METAL RAIL
805	TON	RIP RAP CLASS II (2'-0" THICK)
895	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150818 006

CONTRACT ID : C203565 42295.3.FR1

DIV OFFICE ALBEMARLE

LENGTH = 0.345 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : MAR 30 2020

BRIDGES #66 AND 69 OVER NORFOLK SOUTHERN RAILROAD ON US-29.

ROADWAY ITEMS

			1	EA	ADJUSTMENT OF MANHOLES
			11	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			4	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN
Lump Sum	LS	MOBILIZATION	1,725	LF	STEEL BM GUARDRAIL
Lump Sum	LS	CONSTRUCTION SURVEYING	50	LF	STEEL BM GUARDRAIL, SHOP CURVED
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+74.92 -L-)	10	EA	ADDITIONAL GUARDRAIL POSTS
	1	ACR	1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
	1,000	CY	4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
Lump Sum	LS	GRADING	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
	43,000	CY	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
	1,000	CY	3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
	2,470	SY	405	LF	REMOVE & RESET EXISTING GUARDRAIL
	17,660	SF	2,792	LF	REMOVE EXISTING GUARDRAIL
	437	TON	537.5	LF	TEMPORARY STEEL BM GUARDRAIL
	2,465	SY	4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)
	144	LF	2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)
	324	LF	2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (W-BEAM)
	2,060	LF	2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
	4	LF	1	EA	GENERIC GUARDRAIL ITEM TEMPORARY IMPACT ATTENUATOR UNIT, TYPE 350
	483	LF	66	LF	CHAIN LINK FENCE, *** FABRIC (72")
	1,470	CY	5	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")
	2,646	TON	120	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
	1,400	TON	6	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")
	500	TON	10	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
	640	SY	1,450	LF	GENERIC FENCING ITEM DARK GREEN VINYL COATED CHAIN LINK FENCE 48" FABRIC
	8,825	TON	270	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
	2,300	TON	780	LF	GENERIC FENCING ITEM TEMPORARY 72" CHAIN LINK FENCE WITH POSTS
	4,850	TON	1	TON	RIP RAP, CLASS B
	785	TON	905	SY	GEOTEXTILE FOR DRAINAGE
	185	TON	756	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
	168	CY	4	EA	SIGN ERECTION, TYPE D
	84	CY	18	EA	SIGN ERECTION, TYPE E
	500	LF	15	EA	SIGN ERECTION, TYPE F
	1	EA	1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
	6	LF	26	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	11	EA	328	SF	WORK ZONE SIGNS (STATIONARY)
	2	CY	320	SF	WORK ZONE SIGNS (PORTABLE)
	1	CY	72	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
	35	CY	1	EA	FLASHING ARROW BOARD
	22	EA	1	EA	PORTABLE CHANGEABLE MESSAGE SIGN
	15	LF	200	EA	DRUMS
	2	EA	50	EA	CONES
	4	EA	88	LF	BARRICADES (TYPE III)
	10	EA	500	HR	FLAGGER
	5	EA	5	EA	TEMPORARY CRASH CUSHIONS
	1	EA	1	EA	TMA
	2,150	LF	1,600	LF	PORTABLE CONCRETE BARRIER
	3,140	LF			
	1,500	SY			
	14	EA			
	25	SY			
	660	SY			
	410	LF			



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

L150818 007

CONTRACT ID : C203585 57500.3.FRA01T4A DIV OFFICE ALBEMARLE

LENGTH = 0.537 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, PAVING, WALLS, AND STRUCTURE.

DBE GOAL 12.0% COMPLETION DATE : FEB 28 2019

SR-2975 (E SUGAR CREEK RD) OVER NS/NCRR CROSSING NO 715 352H - GRADE SEPARATION.

ROADWAY ITEMS				
			64.1	LF MASONRY DRAINAGE STRUCTURES
			17	EA FRAME WITH TWO GRATES, STD 840.16
			1	EA FRAME WITH TWO GRATES, STD 840.24
			3	EA FRAME WITH TWO GRATES, STD 840.29
			24	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			15	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			18	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			11	EA FRAME WITH COVER, STD 840.54
			11	EA GENERIC DRAINAGE ITEM PRECAST DRAINAGE STRUCTURE WITH BOOTS
			360	LF ***X*** CONCRETE CURB (13" X 6')
			9,780	LF 2'-6" CONCRETE CURB & GUTTER
			8,940	SY 4" CONCRETE SIDEWALK
			36	EA CONCRETE CURB RAMP
			590	SY 6" CONCRETE DRIVEWAY
			620	SY 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			1	EA ADJUSTMENT OF DROP INLETS
			3	EA ADJUSTMENT OF MANHOLES
			1	EA GUARDRAIL ANCHOR UNITS, TYPE 350
			445	LF REMOVE EXISTING GUARDRAIL
			355	LF CHAIN LINK FENCE RESET
			1	EA GENERIC FENCING ITEM STEEL PIPE GATE
			1	TON RIP RAP, CLASS B
			905	SY GEOTEXTILE FOR DRAINAGE
			568	LF SUPPORTS, 3-LB STEEL U-CHANNEL
			54	EA SIGN ERECTION, TYPE E
			1	EA SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
			1	EA SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (F)
			39	EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			958	SF WORK ZONE SIGNS (STATIONARY)
			384	SF WORK ZONE SIGNS (PORTABLE)
			522	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
			2	EA FLASHING ARROW BOARD
			2	EA PORTABLE CHANGEABLE MESSAGE SIGN
			60	DAY PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
			150	EA DRUMS
			80	EA CONES
			504	LF BARRICADES (TYPE III)
			240	HR FLAGGER
			2	EA TMA
			480	HR LAW ENFORCEMENT
			80	EA SKINNY DRUM
			38	EA TEMPORARY RAISED PAVEMENT MARKERS
			2,805	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			14,637	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			4,677	LF THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
			689	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
			3,923	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
			470	LF THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			75	EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
1	EA	SEALING ABANDONED WELLS		
7,500	CY	UNDERCUT EXCAVATION		
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING		
Lump Sum	LS	GRADING		
62,000	CY	BORROW EXCAVATION		
5	EA	EMBANKMENT SETTLEMENT GAUGES		
1,200	CY	SELECT GRANULAR MATERIAL		
9,000	SY	GEOTEXTILE FOR SOIL STABILIZATION		
1,830	CY	GENERIC GRADING ITEM LIGHTWEIGHT AGGREGATE		
3,450	SY	GENERIC GRADING ITEM GEOTEXTILE FOR LIGHTWEIGHT AGGREGATE		
356	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL		
780	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		
2,700	SY	FOUNDATION CONDITIONING GEOTEXTILE		
2,224	LF	15" DRAINAGE PIPE		
952	LF	18" DRAINAGE PIPE		
572	LF	24" DRAINAGE PIPE		
36	LF	30" DRAINAGE PIPE		
644	LF	15" RC PIPE CULVERTS, CLASS IV		
40	LF	18" RC PIPE CULVERTS, CLASS IV		
132	LF	24" RC PIPE CULVERTS, CLASS IV		
36	LF	30" RC PIPE CULVERTS, CLASS IV		
72	LF	GENERIC PIPE ITEM 15" DUCTILE IRON PIPE		
200	LF	GENERIC PIPE ITEM 24" DUCTILE IRON PIPE		
468	LF	GENERIC PIPE ITEM 36" DUCTILE IRON PIPE		
1,284	LF	PIPE REMOVAL		
2,150	CY	SHALLOW UNDERCUT		
4,900	TON	CLASS IV SUBGRADE STABILIZATION		
5,200	TON	AGGREGATE BASE COURSE		
2,100	TON	INCIDENTAL STONE BASE		
9,280	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		
350	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")		
650	SY	INCIDENTAL MILLING		
3,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		
2,320	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		
1,970	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		
2,320	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		
2,070	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		
3,380	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		
730	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A		
815	TON	ASPHALT BINDER FOR PLANT MIX		
1,320	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		
224	CY	SUBDRAIN EXCAVATION		
168	CY	SUBDRAIN FINE AGGREGATE		
1,000	LF	6" PERFORATED SUBDRAIN PIPE		
2	EA	SUBDRAIN PIPE OUTLET		
12	LF	6" OUTLET PIPE		
65.5	CY	FLOWABLE FILL		
90	EA	MASONRY DRAINAGE STRUCTURES		
21,205	CY	MASONRY DRAINAGE STRUCTURES		

			0.75	TON	FERTILIZER FOR TEMPORARY SEED- ING
			250	LF	TEMPORARY SLOPE DRAINS
			100	LF	SAFETY FENCE
2,171	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	1,270	CY	SILT EXCAVATION
1,748	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)	5,000	SY	MATTING FOR EROSION CONTROL
8	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)	4,100	LF	1/4" HARDWARE CLOTH
			550	LF	COIR FIBER BAFFLE
			5	ACR	SEEDING & MULCHING
			3	ACR	MOWING
			100	LB	SEED FOR REPAIR SEEDING
7,910	LF	PAINT PAVEMENT MARKING LINES (4")	0.25	TON	FERTILIZER FOR REPAIR SEEDING
			250	LB	SEED FOR SUPPLEMENTAL SEEDING
279	LF	PAINT PAVEMENT MARKING LINES (8")	7.25	TON	FERTILIZER TOPDRESSING
			30	MHR	SPECIALIZED HAND MOWING
45	LF	PAINT PAVEMENT MARKING LINES (24")	25	EA	RESPONSE FOR EROSION CONTROL
8	EA	PAINT PAVEMENT MARKING CHARAC- TER	10	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
8	EA	PAINT PAVEMENT MARKING SYMBOL			
263	EA	PERMANENT RAISED PAVEMENT MARKERS			
300	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)			
10	EA	UNDERPASS LUMINARIES ***** (TYPE PM)	8,695	SF	MSE RETAINING WALL NO **** (1)
26	EA	UNDERPASS LUMINARIES ***** (TYPE WM)	1,810	SF	MSE RETAINING WALL NO **** (2)
Lump Sum	LS	GENERIC LIGHTING ITEM CONDUIT SYSTEM & CIRCUITRY FOR UPL	7,745	SF	MSE RETAINING WALL NO **** (3)
2	EA	GENERIC LIGHTING ITEM ELECTRICAL JUNCTION BOXES PC30	119.79	LF	GENERIC RETAINING WALL ITEM 1 1/2" GALV STEEL PIPE RAIL
2	EA	GENERIC LIGHTING ITEM LIGHTING CONTROL SYSTEM	1,003.63	LF	GENERIC RETAINING WALL ITEM 1'-2" X 2'-6" CONC PARAPET W/ MOMENT SLAB
310	LF	6" WATER LINE	18,250	SF	GENERIC RETAINING WALL ITEM ANTI-GRAFFITI COATING
3,845	LF	8" WATER LINE			
300	LF	12" WATER LINE			
6	EA	6" VALVE			
12	EA	8" VALVE			
6	EA	12" VALVE			
1	EA	8" TAPPING VALVE			
6	EA	1" AIR RELEASE VALVE	45	CY	FOUNDATION EXCAVATION
1	EA	2" BLOW OFF	779	LF	4'-0" DIA DRILLED PIERS IN SOIL
6	EA	*** WATER METER (1")	429	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
4	EA	2" WATER METER	52	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
3	EA	RECONNECT WATER METER	4	EA	PDA TESTING
3	EA	2" RPZ BACKFLOW PREVENTION ASSEMBLY	6	EA	SID INSPECTIONS
4	EA	FIRE HYDRANT	6	EA	SPT TESTING
1	EA	RELOCATE FIRE HYDRANT	6	EA	CSL TESTING
457	LF	8" SANITARY GRAVITY SEWER	59,971	SF	REINFORCED CONCRETE DECK SLAB
2,620	LF	12" SANITARY GRAVITY SEWER	44,413	SF	GROOVING BRIDGE FLOORS
11	EA	SANITARY SEWER CLEAN-OUT	802.1	CY	CLASS A CONCRETE (BRIDGE)
28	EA	4' DIA UTILITY MANHOLE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20+45.05 -L-)
164	LF	UTILITY MANHOLE WALL, 4' DIA	242,271	LB	REINFORCING STEEL (BRIDGE)
100	LF	24" ENCASEMENT PIPE	45,075	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
50	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL	6,699.7	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
50	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL	1,195	LF	HP ***X*** STEEL PILES (14X89)
20	EA	GENERIC UTILITY ITEM 12" GASOLINE RESISTANT GASKET	23	EA	STEEL PILE POINTS
10	EA	GENERIC UTILITY ITEM 6" GASOLINE RESISTANT GASKET	2,718.3	LF	TWO BAR METAL RAIL
30	EA	GENERIC UTILITY ITEM 8" GASOLINE RESISTANT GASKET	1,687.2	LF	1'-***X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
5	EA	GENERIC UTILITY ITEM 8" SANITARY GRAVITY SEWER - PIPE POINT REPAIR	470	LF	*** CHAIN LINK FENCE (72")
8	EA	GENERIC UTILITY ITEM 8" SANITARY GRAVITY SEWER - TAP REPAIR	65	SY	4" SLOPE PROTECTION
2	EA	GENERIC UTILITY ITEM REMOVE & REPLACE MANHOLE RING & COVER	Lump Sum	LS	ELASTOMERIC BEARINGS
			Lump Sum	LS	EXPANSION JOINT SEALS
			Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (20+45.05 -L-)
14	EA	GENERIC UTILITY ITEM REMOVE SANITARY SEWER MANHOLE	Lump Sum	LS	GENERIC STRUCTURE ITEM ARCHITECTURAL CONC SURFACE TREATMENT
1,905	LF	GENERIC UTILITY ITEM REMOVE 12" UTILITY PIPE	Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL CONDUIT SYSTEM AT STA 20+45.05 -L-
1,150	LF	GENERIC UTILITY ITEM REMOVE 6" UTILITY PIPE			
3,335	LF	GENERIC UTILITY ITEM REMOVE 8" UTILITY PIPE			
15,400	LF	TEMPORARY SILT FENCE			
945	TON	STONE FOR EROSION CONTROL, CLASS A			
805	TON	STONE FOR EROSION CONTROL, CLASS B			
1,555	TON	SEDIMENT CONTROL STONE			
6.5	ACR	TEMPORARY MULCHING			
200	LB	SEED FOR TEMPORARY SEEDING			

**WALL ITEMS**

**STRUCTURE ITEMS**

