

STATE OF NORTH CAROLINA

ROY COOPER GOVERNOR **IMPORTANT INFORMATION**

JAMES H. TROGDON, III Secretary

TO WHOM IT MAY CONCERN:

InfoTech (developers of Expedite and Bid Express) are replacing Expedite with Project Bids. NCDOT is currently testing the new software. We do not anticipate any issues and expect a seamless transition for contractors.

The new software requires the need for a new Digital ID. Bid Express will reimburse you for the fee, if you have an existing NCDOT or NCDOT – Divisions Digital ID.

What this means for you:

- Project Bids site and software available for Central Dec 18, 2018
 - Download new Project Bids software
 - Create new Digital ID and request to be able to bid with NCDOT. You will only be using Project Bids and the new Digital ID to bid Central projects (Contract numbers that begin with C).
 - User guides and instructional videos are available in the Bid Express Training Center. Links for this information have also been provided in an email from Bid Express.
- NCDOT Central Highway Letting Jan 15, 2019
 - Bid with Expedite and old Digital ID
- NCDOT Central Highway Letting Feb 19, 2019
 - o Bid with Project Bids and new Digital ID
- Project Bids site and software available for Division April 19, 2019
 - **Download new Project Bids software, if you have not already done so.**
 - \circ $\,$ Create new Digital ID and request to be able to bid with NCDOT Divisions.
 - $\circ~$ If you already have a Digital ID, request to bid with NCDOT Divisions.
- Last Division Letting Using Expedite June 2, 2019
- First Division Letting Using Project Bids June 3, 2019

Please let us know if you have any questions and remember that we are always available to help by phone or email. Specific questions can be directed to Jaci Kincaid at jakincaid@ncdot.gov or 919-707-6920.

Ronald E. Davenport, Jr., PE State Contract Engineer RED/jak

Mailing Address: NC DEPARTMENT OF TRANSPORTATION CONTRACT STANDARDS AND DEVELOPMENT 1591 MAIL SERVICE CENTER RALEIGH, NC 27699-1591

15 yets

Telephone: (919) 707-6900 Fax: (919) 250-4127 Customer Service: 1-877-368-4968 Website: www.ncdot.gov

Location: 1020 BIRCH RIDGE DR. RALEIGH, NC 27610

NEW DATES



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR JAMES H. TROGDON, III Secretary

February 20, 2018

NOTICE TO:	All Prequalified Contractors
FROM:	Ronald E Davenport, PE State Contract Officer
SUBJECT:	Combined Contract Goal for MBE/WBE Participation on State-Funded Projects

Effective April 1, 2018, all state funded contracts will be advertised with one combined goal that is comprised of both the MBE and WBE participation anticipated for the project. The **Combined MBE/WBE Goal** may be met with all MBE or WBE participation, or any combination of MBE and WBE participation.

When entering this information in Expedite Bid, users will not see the words "Combined MBE/WBE" in which to enter their participation value, but will enter the value under "DBE".

For assistance in participation entry in Expedite, please contact Ms. Jaci Kincaid at 919-707-6920 or jakincaid@ncdot.gov.



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER GOVERNOR

JAMES H. TROGDON, III

SECRETARY

November 15, 2017

NOTICE TO:

All Prequalified Contractors

FROM:

Carl Barclay, PE Carl M. Banday State Utilities Manager

SUBJECT: Design and Certification of Trenchless Installations (all methods)

Through the AGC/NCDOT Roadway Subcommittee, it has been determined there is little consistency with the enforcement of this requirement. This has resulted in some Contractors not accounting for this expense in their bid. In an effort to improve consistency and fairness among bidders, the Department will enforce this longstanding requirement of the North Carolina Board of Examiners for Engineers and Land Surveyors and NC GS Chapter 89C.

Effective with the January 2018 letting, there will be a renewed effort of enforcement of Articles 1550-1 and 1550-3(B) of the *Standard Specifications for Roads and Structures*, Section 1550-1 requires:

An engineer licensed by the State of North Carolina shall design the method and certify the work will not damage the roadway above or endanger the roadway user.

Article 1550-3(B) requires:

Before construction, provide detailed plans for the method of installation certified by an engineer licensed by the State of North Carolina. Provide certified calculations demonstrating the method of installation as safe and of minimal risk. Provide certified calculations of the structural adequacy of all materials. The design shall meet AASHTO LRFD Bridge Design Specifications. An engineer licensed by the State of North Carolina shall certify changes or modifications to the designed method as needed for actual field conditions.

If you have any questions, please do not hesitate to contact me at <u>cbarclay@ncdot.gov</u> or (919) 707-6982.

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 MARCH 17, 2020. 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, DEBARMENT AND GIFT BAN CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. CERTIFICATION FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE https://connect.ncdot.gov/letting/Pages/Central-Letting-Forms.aspx.

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. ON FEDERAL PROJECTS, THE APPROPRIATE CONTRACTORS LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. 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 MANAGEMENT SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES MANAGEMENT SECTION AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY ENSURE 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, 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C., 27610. 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 7.25% 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 FEBRUARY 18, 2020. BY ORDER OF THE DEPARTMENT OF TRANSPORTATION (THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)

(Revised on 15 Aug 2019)

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.

DIV NO	. DIVISION ENGINEER	LOCATION	TOWN	TELEPHONE
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	R. Preston Hunter, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	D. Chad Kimes, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Kevin G Bowen, 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	121 DOT DRIVE	CARTHAGE	(910) 773-8000
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	Brett D Canipe	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	Mark T Gibbs, PE	PO BOX 3279	ASHEVILLE	(828) 250-3000
00014	Brian C Burch, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

	SUMMARY OF PROPOSALS ===================================
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Bid 1	Letting Num	ber L200317			
RPN	Contract Id	IWBS	County	Length	JobType
001	C204354	47977.3.3	MARTIN	4.321 MI	PAVEMENT REHABILITATION.
002	C204344	50198.3.1	PERQUIMANS	4.392 MI	GRADING, DRAINAGE, PAVING, AND CULVERTS.
003	C204523	38430.3.1	PITT	0.104 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
004	C204131	38979.3.1	WAYNE	1.546 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.
005	C204545	40.1.4	WAKE, DURHAM	22.880 MI	MILLING AND RESURFACING.
006	C204371	34840.3.4	GUILFORD	1.490 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.
007	C204352	50401.3.GV1	ALAMANCE	0.605 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
008	C204363	50469.3.GV1	MECKLENBURG, CABARRUS	13.920 MI	PAVEMENT AND STRUCTURE REHABILITATION.
009	C204356	34518.3.8	ASHE	3.537 MI	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID : C204354 47977.3.3

DIV OFFICE EDENTON

L200317 001 LENGTH = 4.321 MI

COUNTY :MARTIN

PAVEMENT REHABILITATION.

DBE GOAL 8.0% COMPLETION DATE : NOV 28 2021

US-64/US-13 FROM SR-1138 (EVERETTS RD) TO MP-512.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
585	CY	BORROW EXCAVATION
600	CY	DRAINAGE DITCH EXCAVATION
4,683	SY	GENERIC GRADING ITEM
		GRADE SHOULDER AND SLOPES
30	LF	PIPE REMOVAL
203,639	SY	MILLING ASPHALT PAVEMENT, ***"
		DEPTH (1-1/2")
6,324	SY	INCIDENTAL MILLING
17,159	TON	ASPHALT CONC SURFACE COURSE.
17,139	ION	TYPE S9.5C
1,030	TON	ASPHALT BINDER FOR PLANT MIX
686	TON	POLYMER MODIFIED ASPHALT BIN-
		DER FOR PLANT MIX
11,234	TON	OPEN-GRADED ASPHALT FRICTION
		COURSE, TYPE FC-1 MODIFIED
150	TON	PATCHING EXISTING PAVEMENT
91,260	LF	MILLED RUMBLE STRIPS (ASPHALT
		CONCRETE)
2	EA	METAL FUNNELS
60	LF	12" FUNNEL DRAIN PIPE
2	EA	12" FUNNEL DRAIN PIPE ELBOWS
24	EA	GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURE
		REPAIR
40	LF	SHOULDER BERM GUTTER
17,679	LF	STEEL BEAM GUARDRAIL
60	LF	STEEL BEAM GUARDRAIL, SHOP
00		CURVED
19	EA	GUARDRAIL END UNITS, TYPE
		CAT-1
20	EA	GUARDRAIL END UNITS, TYPE TL-3
2	EA	GUARDRAIL ANCHOR UNITS, TYPE
		B-77
8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83
19,122	LF	REMOVE EXISTING GUARDRAIL
480	SF	WORK ZONE ADVANCE/GENERAL
400	51	WORK 2011 AD VANCE GENERAL WARNING SIGNING
3	EA	WORK ZONE DIGITAL SPEED LIMIT
		SIGNS
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
111,498	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (6", 90 MILS)
8	EA	THERMOPLASTIC PAVEMENT MARKING
222.007	L E	SYMBOL (90 MILS)
222,996	LF	PAINT PAVEMENT MARKING LINES (4")
8	EA	PAINT PAVEMENT MARKING SYMBOL
570	EA	SNOWPLOWABLE PAVEMENT MARKERS
2,296	LF	TEMPORARY SILT FENCE
2,290	TON	SEDIMENT CONTROL STONE
960	SY	COIR FIBER MAT
672	LF	1/4" HARDWARE CLOTH
770	LF	COIR FIBER WATTLE
1	ACR	SEEDING & MULCHING
4	EA	RESPONSE FOR EROSION CONTROL
4.683	SY	GENERIC EROSION CONTROL ITEM
.,		COMPOST SEEDING
392	CY	TOPSOIL

Page : 2 of 16

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

DIV OFFICE EDENTON

L200317 002

LENGTH = 4.392 MI

COUNTY :PERQUIMANS

CONTRACT ID : C204344

GRADING, DRAINAGE, PAVING, AND CULVERTS.

DBE GOAL 11.0% COMPLETION DATE : JAN 28 2022

SR-1329 (WOODVILLE RD) FROM SR-1331 (RED BANK RD) TO SR-1300 (NEW HOPE RD).

50198.3.1

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	CLEARING & GRUBBING ACRE(S)
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
30,120	CY	UNCLASSIFIED EXCAVATION
2,500	CY	UNDERCUT EXCAVATION
330	CY	BORROW EXCAVATION
1,340	CY	DRAINAGE DITCH EXCAVATION
840	SY	REMOVAL OF EXISTING ASPHALT
5 000	CN	PAVEMENT
5,000	CY	SELECT GRANULAR MATERIAL, CLASS III
640	TON	FOUNDATION CONDITIONING MATE-
		RIAL, MINOR STRUCTURES
1,990	SY	FOUNDATION CONDITIONING GEO-
52	LF	TEXTILE 36" DRAINAGE PIPE
260	LF	15" SIDE DRAIN PIPE
484	LF	18" SIDE DRAIN PIPE
464	LF	24" SIDE DRAIN PIPE
312	LF	***" RC PIPE CULVERTS, CLASS
		***** (24" M)
80	LF	(24", V) 24" RC PIPE CULVERTS, CLASS
00	LI	III
96	LF	****" RC PIPE CULVERTS, CLASS
		IV
928	LF	(48") 15" RC PIPE CULVERTS, CLASS IV
1,436	LF	18" RC PIPE CULVERTS, CLASS IV
972	LF	24" RC PIPE CULVERTS, CLASS IV
620	LF	30" RC PIPE CULVERTS, CLASS IV
344	LF	36" RC PIPE CULVERTS, CLASS IV
3,277	LF	PIPE REMOVAL
Lump Sum	LS	FINE GRADING
40	TON	AGGREGATE BASE COURSE
1,660	TON	INCIDENTAL STONE BASE
85 5,370	SY TON	INCIDENTAL MILLING ASPHALT CONC BASE COURSE, TYPE
5,570	ION	B25.0C
1,100	TON	ASPHALT CONC INTERMEDIATE
		COURSE, TYPE I19.0C
7,920	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
830	TON	ASPHALT BINDER FOR PLANT MIX
330	TON	ASPHALT PLANT MIX, PAVEMENT
		REPAIR
30	CY	ENDWALLS
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.16
710	SY	6" CONCRETE DRIVEWAY
80	SY	4" CONCRETE PAVED DITCH
400	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
8	EA	GUARDRAIL END UNITS, TYPE TL-3
390	TON	RIP RAP, CLASS I
238 1,680	TON SY	RIP RAP, CLASS B GEOTEXTILE FOR DRAINAGE
514	SF	WORK ZONE ADVANCE/GENERAL
514	51	WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
92,780	LF	THERMOPLASTIC PAVEMENT MARKING
02 700	I F	LINES (4", 90 MILS)
92,780	LF	PAINT PAVEMENT MARKING LINES (4")
290	EA	PERMANENT RAISED PAVEMENT
		MARKERS
43	LF	2" WATER LINE
235	LF	4" WATER LINE
190 22.680	LF	6" WATER LINE
22,689 826	LF LF	8" WATER LINE 10" WATER LINE
620		10 WITTER LINE

3,325	LB	DUCTILE IRON WATER PIPE FITTINGS
1	EA	2" VALVE
3	EA	4" VALVE
4	EA	6" VALVE
17	EA	8" VALVE
1	EA	12" TAPPING SLEEVE & VALVE
10	EA	RELOCATE WATER METER
59	EA	RECONNECT WATER METER
4	EA	FIRE HYDRANT
2	EA	RELOCATE FIRE HYDRANT
100	LF	FIRE HYDRANT LEG
536	LF	WATER SERVICE LINE
200	LF	ABANDON **" UTILITY PIPE (4")
23,400	LF	ABANDON 6" UTILITY PIPE
56	LF	ABANDON 8" UTILITY PIPE
826	LF	DIRECTIONAL DRILLING OF **" (10")
1,415	LF	TEMPORARY SILT FENCE
540	TON	STONE FOR EROSION CONTROL, CLASS A
1,320	TON	STONE FOR EROSION CONTROL, CLASS B
615	TON	SEDIMENT CONTROL STONE
20	ACR	TEMPORARY MULCHING
1,300	LB	SEED FOR TEMPORARY SEEDING
6.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
320	LF	SAFETY FENCE
1,640	CY	SILT EXCAVATION
41,000	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
120	LF	1/4" HARDWARE CLOTH
85	LF	**" TEMPORARY PIPE (24")
635	LF	**" TEMPORARY PIPE (36")
30	SY	FLOATING TURBIDITY CURTAIN
7	EA	SPECIAL STILLING BASINS
6,510	LF	COIR FIBER WATTLE
1,955	LB	POLYACRYLAMIDE (PAM)
45	LF	COIR FIBER BAFFLE
18	ACR	SEEDING & MULCHING
12	ACR	MOWING
200	LB	SEED FOR REPAIR SEEDING
0.75	TON	FERTILIZER FOR REPAIR SEEDING
450	LB	SEED FOR SUPPLEMENTAL SEEDING
13.25	TON	FERTILIZER TOPDRESSING
178	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ****** (132+88.62 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (79+82.10 -L-)
321	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
Lump Sum	LS	GENERIC CULVERT ITEM ALUMINUM BOX CULVERT @ STA. 132+88.62 -L-
Lump Sum	LS	GENERIC CULVERT ITEM ALUMINUM BOX CULVERT @ STA. 79+82.10 -L-
166	LF	GENERIC CULVERT ITEM MOMENT SLAB

L200317 003

LENGTH = 0.104 MI

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID : C204523

DIV OFFICE GREENVILLE

COUNTY :PITT

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

38430.3.1

DBE GOAL 6.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

10 MHR SPECIALIZED HAND MOWING

BRIDGE #5 OVER CHICOD CREEK ON SR-1777.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
1	EA	SELECT TREE REMOVAL
Lump Sum	LS	TYPE II MODIFIED APPROACH
		FILL, STATION ******* (14+14.00 -L-)
Lump Sum	LS	GRADING
0.1	ACR	SUPPLEMENTARY CLEARING & GRUB-
		BING
300	CY	UNDERCUT EXCAVATION
300	CY	SELECT GRANULAR MATERIAL
300	SY	GEOTEXTILE FOR SOIL STABILIZA-
20	TON	TION FOUND ATION CONDITIONING MATE
20	ION	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
40	SY	FOUNDATION CONDITIONING GEO-
		TEXTILE
56	LF	15" RC PIPE CULVERTS, CLASS IV
64	LF	15" CS PIPE CULVERTS, 0.064"
4	EA	THICK **" CS PIPE ELBOWS, *****"
+	LA	THICK
		(15", 0.064")
100	TON	INCIDENTAL STONE BASE
630	SY	INCIDENTAL MILLING
190	TON	ASPHALT CONC BASE COURSE, TYPE
265	TON	B25.0C
265	ION	ASPHALT CONC SURFACE COURSE, TYPE \$9.5B
30	TON	ASPHALT BINDER FOR PLANT MIX
45	CY	SUBDRAIN EXCAVATION
200	SY	GEOTEXTILE FOR SUBSURFACE
		DRAINS
34	CY	SUBDRAIN COARSE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA LF	SUBDRAIN PIPE OUTLET 6" OUTLET PIPE
4	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD
·	2	840.29
66	LF	SHOULDER BERM GUTTER
50	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE
4	EA	III GUARDRAIL END UNITS, TYPE TL-3
- 5	TON	RIP RAP, CLASS B
115	SY	GEOTEXTILE FOR DRAINAGE
1,325	LF	TEMPORARY SILT FENCE
35	TON	STONE FOR EROSION CONTROL,
		CLASS A
5	TON	STONE FOR EROSION CONTROL, CLASS B
25	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEED-
		ING
200	LF	TEMPORARY SLOPE DRAINS
800	LF	SAFETY FENCE
10	CY	SILT EXCAVATION
1,500 100	SY SY	MATTING FOR EROSION CONTROL COIR FIBER MAT
100	LF	1/4" HARDWARE CLOTH
85	SY	FLOATING TURBIDITY CURTAIN
60	LF	COIR FIBER WATTLE
160	LF	COIR FIBER WATTLE BARRIER
0.5	ACR	SEEDING & MULCHING
0.5	ACR	
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	
50 0.25	LB	SEED FOR SUPPLEMENTAL SEEDING
0.25	TON	FER TH IZER TOPORESSING

0.25 TON FERTILIZER TOPDRESSING

10	WITIK	SFECIALIZED HAND MOWING
19	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION
		STRUCTURE ITEMS
I	T.C.	DEMONAL OF EXICTING STRUCTURE
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
		(14+14.00 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
1	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-
		TION AT STATION *******
		(14+14.00 -L-)
64.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION

		(14+14.00 -L-)
9,544	LB	REINFORCING STEEL (BRIDGE)
14	EA	PILE DRIVING EQUIPMENT SETUP
		FOR *** STEEL PILES
16	EA	(HP 12 X 53)
10	EA	PILE DRIVING EQUIPMENT SETUP FOR *** GALVANIZED STEEL PILES
		(HP 14 X 73)
665	LF	HP12X53 STEEL PILES
880	LF	HP14X73 GALVANIZED STEEL PILES
30	EA	STEEL PILE POINTS
16	EA	PILE REDRIVES
280.5	LF	VERTICAL CONCRETE BARRIER RAIL
240	TON	RIP RAP CLASS II (2'-0" THICK)
270	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1.540	LF	3'-0" X 1'-9" PRESTRESSED CONC
1,540	2.1	CORED SLABS
276.5	LF	GENERIC STRUCTURE ITEM

276.5 LF GENERIC STRUCTURE ITEM FIBER OPTIC CONDUIT SYSTEM

DIV OFFICE WILSON

L200317 004

LENGTH = 1.546 MI

CONTRACT ID : C204131 COUNTY : WAYNE

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.

38979.3.1

DBE GOAL 13.0% COMPLETION DATE : MAY 22 2024

US-117 ALTERNATE FROM US-70 BYPASS TO SR-1571 (TOMMY'S RD) IN GOLDSBORO.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum 127	LS EA	CONSTRUCTION SURVEYING GENERIC MISCELLANEOUS ITEM
Lump Sum	LS	REMOVE WOOD POLE CLEARING & GRUBBING ACRE(S)
Lump Sum 1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
5,000	CY	UNCLASSIFIED EXCAVATION
1,000	CY	UNDERCUT EXCAVATION
42,000	CY	BORROW EXCAVATION
1,240	CY	DRAINAGE DITCH EXCAVATION
21,010	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
1,000	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT
720	SY	BREAKING OF EXISTING ASPHALT PAVEMENT
1,000	CY	SELECT GRANULAR MATERIAL
1,700	SY	GEOTEXTILE FOR SOIL STABILIZA- TION
410	SF	TEMPORARY SHORING GENERIC GRADING ITEM
300	TON	HAULING AND DISPOSAL OF
2 200	TON	PETROLEUM CONTAMINATED SOIL FOUNDATION CONDITIONING MATE-
2,200	TON	RIAL, MINOR STRUCTURES
6,400	SY	FOUNDATION CONDITIONING GEO- TEXTILE
24	LF	30" DRAINAGE PIPE
2	EA	**" DRAINAGE PIPE ELBOWS
		(30")
692	LF	15" RC PIPE CULVERTS, CLASS III
1,128	LF	18" RC PIPE CULVERTS, CLASS III
300	LF	24" RC PIPE CULVERTS, CLASS III
412	LF	30" RC PIPE CULVERTS, CLASS III
232	LF	36" RC PIPE CULVERTS, CLASS
56	LF	42" RC PIPE CULVERTS, CLASS
108	LF	****" RC PIPE CULVERTS, CLASS IV (12")
324	LF	15" RC PIPE CULVERTS, CLASS IV
7,300	LF	18" RC PIPE CULVERTS, CLASS IV
640	LF	24" RC PIPE CULVERTS, CLASS IV
268	LF	30" RC PIPE CULVERTS, CLASS IV
1,168	LF	36" RC PIPE CULVERTS, CLASS IV
548	LF	42" RC PIPE CULVERTS, CLASS IV
4,392	LF	PIPE REMOVAL
1 Lump Sum	EA LS	PIPE CLEAN OUT FINE GRADING
500	CY	SHALLOW UNDERCUT
		CLASS IV SUBGRADE STABILIZA- TION
2,633	TON	AGGREGATE BASE COURSE
800	TON	INCIDENTAL STONE BASE
5,350	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH
2,060	SY	(1-1/2") INCIDENTAL MILLING
19,850	TON	ASPHALT CONC BASE COURSE, TYPE
16,960	TON	B25.0C ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
14,430	TON	ASPHALT CONC SURFACE COURSE, TYPE \$9.5B
2,675	TON	ASPHALT BINDER FOR PLANT MIX
1,840	TON	
335	TON	
896	CY	SUBDRAIN EXCAVATION

672	CY	SUBDRAIN FINE AGGREGATE
4,000	LF	6" PERFORATED SUBDRAIN PIPE
8	EA	SUBDRAIN PIPE OUTLET
48	LF	6" OUTLET PIPE
3.4	CY	ENDWALLS
3.1	CY	PIPE PLUGS
11	CY	FLOWABLE FILL
182	EA	MASONRY DRAINAGE STRUCTURES
63.4	LF	MASONRY DRAINAGE STRUCTURES
36	EA	FRAME WITH TWO GRATES, STD
50	EA	840.16
1	EA	FRAME WITH TWO GRATES, STD 840.24
27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
51	EA	(E) FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
55	EA	(F) FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
		(G)
11 13	EA EA	FRAME WITH COVER, STD 840.54 CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
13	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
240	LF	**"X **" CONCRETE CURB (8" X 18")
5,470	LF	**'.**" CONCRETE CURB & GUTTER (2'-9")
16,910	LF	2'-6" CONCRETE CURB & GUTTER
4,220	SY	4" CONCRETE SIDEWALK
120	EA	CONCRETE CURB RAMPS
840	SY	6" CONCRETE DRIVEWAY
31	SY	4" CONCRETE PAVED DITCH
2,750	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1 1	EA EA	ADJUSTMENT OF DROP INLETS ADJUSTMENT OF MANHOLES
475	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL END UNITS, TYPE CAT-1
2	EA	GUARDRAIL END UNITS, TYPE TL-3
630	LF	REMOVE EXISTING GUARDRAIL
45	TON	RIP RAP, CLASS I
75	TON	RIP RAP, CLASS B
975	SY	GEOTEXTILE FOR DRAINAGE
38	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (A)
30	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (B)
143	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (D)
755	SF	CONTRACTOR FURNISHED, TYPE *** SIGN
384	SF	(E) CONTRACTOR FURNISHED, TYPE *** SIGN (F)
1	CY	(r) PLAIN CONCRETE SIGN FOUNDA- TIONS
225	LB	SUPPORTS, BREAKAWAY STEEL BEAM
2,700	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
10	EA	SIGN ERECTION, TYPE D
121	EA	SIGN ERECTION, TYPE E
27	EA	SIGN ERECTION, TYPE F
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
1	EA	 (A) SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)

1 EA DISPOSAL OF SIGN SYSTEM, STEEL BEAM

100	EA	DISPOSAL OF SIGN SYSTEM, WOOD
691	SF	WORK ZONE SIGNS (STATIONARY)
197	SF	WORK ZONE SIGNS (PORTABLE)
184	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
3	EA	FLASHING ARROW BOARD
4	EA	PORTABLE CHANGEABLE MESSAGE
		SIGN
651	EA	DRUMS
128	LF	BARRICADES (TYPE III)
60	LF	PEDESTRIAN CHANNELIZING DE- VICES
20	DAY	FLAGGER
4	EA	TMA
500	LF	WATER FILLED BARRIER
104	HR	LAW ENFORCEMENT
619	EA	TEMPORARY RAISED PAVEMENT MARKERS
32,582	LF	THERMOPLASTIC PAVEMENT MARKING
,		LINES (4", 90 MILS)
201	LF	THERMOPLASTIC PAVEMENT MARKING
2 712	LF	LINES (6", 90 MILS) THERMOPLASTIC PAVEMENT MARKING
3,713	LF	LINES (8", 90 MILS)
39	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (12", 90 MILS)
10	EA	THERMOPLASTIC PAVEMENT MARKING
122	EA	CHARACTER (90 MILS) THERMOPLASTIC PAVEMENT MARKING
122	1	SYMBOL (90 MILS)
134,080	LF	PAINT PAVEMENT MARKING LINES
2 259	LE	(4") DA DIT DA VENTENT MA DIZIDIC I DIES
3,358	LF	PAINT PAVEMENT MARKING LINES (8")
1,462	LF	PAINT PAVEMENT MARKING LINES
		(12")
1,808	LF	PAINT PAVEMENT MARKING LINES
40	EA	(24") PAINT PAVEMENT MARKING CHARAC-
10	2	TER
232	EA	PAINT PAVEMENT MARKING SYMBOL
35,322	LF	REMOVAL OF PAVEMENT MARKING
410	LF	LINES (4") REMOVAL OF PAVEMENT MARKING
410	1.1	LINES (8")
367	LF	REMOVAL OF PAVEMENT MARKING
		LINES (12")
555	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
66	EA	REMOVAL OF PAVEMENT MARKING
		SYMBOLS & CHARACTERS
45	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING
		LINES (16", 90 MILS)
706	LF	GENERIC PAVEMENT MARKING ITEM
		THERMOPLASTIC PAVEMENT MARKING
519	EA	LINES (24", 90 MILS) GENERIC PAVEMENT MARKING ITEM
51)	1	NON-CAST IRON SNOWPLOWABLE
	. –	PAVEMENT MARKERS
109 6	LF LF	2" WATER LINE 3" WATER LINE
6 718	LF	6" WATER LINE
745	LF	8" WATER LINE
8,099	LF	10" WATER LINE
375	LF	12" WATER LINE
20	LF	16" WATER LINE
712	LF	20" WATER LINE
25,145	LB	DUCTILE IRON WATER PIPE FITTINGS
1	EA	**" VALVE
		(3")
2	EA	2" VALVE
21 4	EA EA	6" VALVE 8" VALVE
20	EA	10" VALVE
20	EA	12" VALVE
1	EA	16" VALVE
2	EA	20" VALVE
1	EA	2" BLOW OFF
56 21	EA EA	RELOCATE WATER METER RECONNECT WATER METER
21 17	EA EA	RELOCATE **" RPZ BACKFLOW PRE-
17		VENTION ASSEMBLY
	т <i>•</i>	(1") DELOCATE **" DDZ DACKELOW DDE
1	EA	RELOCATE **" RPZ BACKFLOW PRE- VENTION ASSEMBLY
		(2-1/2")

2	EA	RELOCATE 2" RPZ BACKFLOW PRE-
-	2.1	VENTION ASSEMBLY
12	EA	FIRE HYDRANT
94	LF	FIRE HYDRANT LEG
4	EA	12" LINE STOP WITH BYPASS
371	LF	**" WATER SERVICE LINE
		(2")
27	LF	**" WATER SERVICE LINE
		(2-1/2")
3,807	LF	WATER SERVICE LINE
393	LF	8" SANITARY GRAVITY SEWER
125	LF	12" SANITARY GRAVITY SEWER
44	LF	8" FORCE MAIN SEWER
1,366	LF	12" FORCE MAIN SEWER
40	EA	SANITARY SEWER CLEAN-OUT
1,000	LF	SEWER SERVICE LINE
4,015	LB	DUCTILE IRON SEWER PIPE FITTINGS
0	E.A.	4' DIA UTILITY MANHOLE
8 11	EA LF	4 DIA UTILITT MANHOLE UTILITY MANHOLE WALL 4' DIA
3,004	LF	ABANDON 6" UTILITY PIPE
1,437	LF	ABANDON 8" UTILITY PIPE
6,255	LF	ABANDON 8 UTILITY PIPE
2,505	LF	ABANDON 10" UTILITY PIPE ABANDON 12" UTILITY PIPE
2,505	LF	ABANDON 12 UTILITY PIPE ABANDON 16" UTILITY PIPE
18	EA	REMOVE WATER METER
2	EA	ABANDON UTILITY MANHOLE
2 194	EA LF	ABANDON UTILITY MANHOLE 12" ENCASEMENT PIPE
194 90	LF	12 ENCASEMENT PIPE 16" ENCASEMENT PIPE
90 494	LF	20" ENCASEMENT PIPE
494 330	LF	20 ENCASEMENT PIPE 24" ENCASEMENT PIPE
194	LF	BORE AND JACK OF **"
174	L1.	(12")
90	LF	BORE AND JACK OF **"
		(16")
494	LF	BORE AND JACK OF **"
		(20")
330	LF	BORE AND JACK OF **"
		(24")
4	EA	GENERIC UTILITY ITEM 8" FLEXIBLE COUPLING
12	EA	GENERIC UTILITY ITEM
12	LA	REMOVE AND STOCKPILE EXISTING
		FIRE HYDRANT
3	EA	GENERIC UTILITY ITEM
		REMOVE BACKFLOW PREVENTION
		ASSEMBLY
20,690	LF	TEMPORARY SILT FENCE
585	TON	STONE FOR EROSION CONTROL, CLASS A
1,205	TON	STONE FOR EROSION CONTROL
1,205	ION	CLASS B
2,285	TON	SEDIMENT CONTROL STONE
25	ACR	TEMPORARY MULCHING
1,600	LB	SEED FOR TEMPORARY SEEDING
9	TON	FERTILIZER FOR TEMPORARY SEED-
		ING
485	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
1,850	CY	SILT EXCAVATION
8,590	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
7,260	LF	1/4" HARDWARE CLOTH
150	SY	LOW PERMEABILITY GEOTEXTILE
60	LF	**" TEMPORARY PIPE
-	F •	(36")
2	EA	SPECIAL STILLING BASINS
860 200	LF LB	COIR FIBER WATTLE
200 660	LB LF	POLYACRYLAMIDE (PAM) COIR FIBER BAFFLE
660	LF EA	COIR FIBER BAFFLE **" SKIMMER
5	ĽА	**" SKIMMER (1-1/2")
1	EA	**" SKIMMER
•		(2")
27	ACR	SEEDING & MULCHING
15	ACR	MOWING
300	LB	SEED FOR REPAIR SEEDING
0.75	TON	FERTILIZER FOR REPAIR SEEDING
600	LB	SEED FOR SUPPLEMENTAL SEEDING
18	TON	FERTILIZER TOPDRESSING
46	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
4	EA	CONCRETE WASHOUT STRUCTURE
0.25	ACR	REFORESTATION
6	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION
		DEVICE
12	EA	GENERIC EROSION CONTROL ITEM
		FABRIC INSERT INLET PROTECTION
		DEVICE CLEANOUT

- 22 EA PEDESTRIAN SIGNAL HEAD (**", ** SECTION) (16", 1 SECTION WITH COUNT-DOWN) 8,243 LF SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3 59 EA SECTION) 14 EA VEHICLE SIGNAL HEAD (12", 4 SECTION) VEHICLE SIGNAL HEAD (12", 5 3 EA SECTION) MESSENGER CABLE (1/4") 7,290 LF 3,325 LF MESSENGER CABLE (3/8") 1,175 LF UNPAVED TRENCHING (*********) (1, 2")UNPAVED TRENCHING (*********) 1,900 LF (2, 2")DIRECTIONAL DRILL (*********) 162 LF (1, 2'')EA JUNCTION BOX (STANDARD SIZE) 23 9 EA JUNCTION BOX (OVER-SIZED, HEA-VY DUTY) 11 EA WOOD POLE GUY ASSEMBLY 33 EA 3 EA 1" RISER WITH WEATHERHEAD 3 EA 2" RISER WITH WEATHERHEAD HEAT SHRINK TUBING RETROFIT 1 EA KIT 5 EA 2" RISER WITH HEAT SHRINK TUBING 3,482 LF INDUCTIVE LOOP SAWCUT 16,592 LF LEAD-IN CABLE (***********) (14-2) 9,380 LF COMMUNICATIONS CABLE (**FIBER) (24)SPLICE ENCLOSURE 4 EA MODIFY SPLICE ENCLOSURE 2 EA 4 EA INTERCONNECT CENTER 16 EA METAL STRAIN SIGNAL POLE SOIL TEST 16 EA DRILLED PIER FOUNDATION 112 CY 8 EA SIGN FOR SIGNALS 22 EA TYPE II PEDESTAL WITH FOUND-ATION 4 EA SIGNAL CABINET FOUNDATION 4 EA CONTROLLERS WITH CABINET (2070E, BASE MOUNTED)
 - 33 EA DETECTOR CARD (TYPE 170)
 - CABINET BASE EXTENDER 4 EA
 - 12 EA
 - GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPE ZONES

CULVERT ITEMS

- CULVERT EXCAVATION, STA ****** Lump Sum LS
 - (75+49.09 -L-) FOUNDATION CONDITIONING MATER-21 TON
 - IAL, BOX CULVERT
 - 33.2 CY CLASS A CONCRETE (CULVERT)
 - 4,117 LB REINFORCING STEEL (CULVERT)

CONTRACT ID : C204545 40.1.4 COUNTY :WAKE, DURHAM

DIV OFFICE DURHAM

L200317 005 LENGTH = 22.880 MI

MILLING AND RESURFACING.

DBE GOAL 6.0% COMPLETION DATE : APR 15 2021

22 SECTIONS OF NC-147 AND 44 SECTIONS OF NC-540.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
570,316	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH
1,705	SY	(1-1/2") MILLING ASPHALT PAVEMENT, ***" DEPTH (2")
1,781	SY	MILLING ASPHALT PAVEMENT, ***" TO ******"
362	SY	(1-1/2" TO 2") INCIDENTAL MILLING
47,778	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
2,723	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
64,297	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
2	EA	ADJUSTMENT OF MANHOLES
2,635	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum Lump Sum	LS LS	TEMPORARY TRAFFIC CONTROL GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT GREEN LEVEL WEST NB EXIT
Lump Sum	LS	LOOP GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT GREEN LEVEL WEST SB EXIT RAMP
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT NC 54 NB EXIT LOOP
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT NC-55 BYPASS SB EXIT RAMP
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT S SALEM ST NB EXIT LOOP
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT VERIDEA PARKWAY NB EXIT
Lump Sum	LS	RAMP GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT VERIDEA PARKWAY SB EXIT LOOP
250,592	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
15,980	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
129	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
251,154	LF	PAINT PAVEMENT MARKING LINES (4")
15,564	LF	PAINT PAVEMENT MARKING LINES (8")
630	LF	PAINT PAVEMENT MARKING LINES (24")
2	EA	PAINT PAVEMENT MARKING CHARAC- TER
129 630	EA LF	PAINT PAVEMENT MARKING SYMBOL GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
1,885	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING INDUCTIVE LOOP SAWCUT
4,648	LF	INDUCTIVE LOOP SAWCUI

CONTRACT ID : C204371 34840.3.4

DIV OFFICE GREENSBORO

1 EA FRAME WITH COVER, STD 840.54 16,115 LF 2'-6" CONCRETE CURB & GUTTER L200317 006

LENGTH = 1.490 MI

COUNTY :GUILFORD

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT. DBE GOAL 10.0% COMPLETION DATE : FEB 28 2022

US-70 (BURLINGTON RD) FROM W OF SR-3045 (MT HOPE CHURCH RD) /SR-2819 (MCLEANSVILLE RD) TO E OF SR-2826 (BIRCH CREEK RD).

ROADWAY ITEMS

Jum 25 M 15. MORITATION 2 FA CONCERTING RAAMS Lang 5m 15. CONSTRUCTION SURVIYOR 352 LF STELL BEAM GUADRALL 1 ACR SURVIELMSTATUS CLEARING CHUB- 35 LF STELL BEAM GUADRALL 1 ACR SURVIELMSTATUS CLEARING CHUB- 35 LF STELL BEAM GUADRALL 2000 CY SELECTORANELAR MITERLA 1 EA GUARRALL SDI DINS, TYPE AT-1 2000 CY SELECTORANELAR MITERLA 1 EA GUARRALL SDI DINS, TYPE AT-1 1405 SF TEMMORANE SOLUTION MATE 26 LF GUARRALL SDI DINS, TYPE AT-1 140 TON TON TON TON TON CAT-1 1406 TON TON TON TON TON TON 1407 TON TON TON TON TON TON TON 1408 TON TON TON TEA TEARLE TEARLE 1416 TON TEA				16,115	LF	2"-6" CONCRETE CURB & GUITER
Line point CONSTRUCTION SUBJECTION SU				80	SY	4" CONCRETE SIDEWALK
Lung Sung IS CONSTRUCTION SURVEYING 55 55 76 CONCRETE DURING 2.00 CY UDRECTLY CLARING & GRUB- 30 L STELL BLANG GUARDERALL, SIDD 7 CY STELL BLANG GUARDERALL, SIDD 51 STELL BLANG GUARDERALL, SIDD 7 CY STELL BLANG GUARDERALL, SIDD FUNCTION, GUARDERALL, SIDD FUNCTION, GUARDERALL, SIDD FUNCTION, TOTAL SIDD, STABILLZA, TON 1 64 1.00 STELL FORMULAL END UNITS, TYPE T3 1 64 GUARDERALL END UNITS, TYPE T3 1.01 STELL FORMULAL END UNITS, TYPE T3 1 64 GUARDERALL END UNITS, TYPE T3 1.02 STELL FORMULAL END UNITS, TYPE T3 1 64 FE CARTEN 5.02 SY FUNDANCET ON CONDITIONING GEO- 30 FE AMERICA FE 7.01 FE TONN CONDITIONING GUARDER 2 FA FE	Lump Sum	LS	MOBILIZATION	2	EA	CONCRETE CURB RAMPS
1 ACR STFEL BRAM GUARDAL 1 ACR STFEL BRAM GUARDALL SLOP 1 ACR STFEL BRAM GUARDALL SLOP 1 ACR STFEL BRAM GUARDALL SLOP 1 ACR CONTROL 1 ACR CONTROL 200 CY ACR 201 CY ACR <td< td=""><td>-</td><td></td><td>CONSTRUCTION SURVEYING</td><td>565</td><td>SY</td><td>6" CONCRETE DRIVEWAY</td></td<>	-		CONSTRUCTION SURVEYING	565	SY	6" CONCRETE DRIVEWAY
ACR. SUPE LARGETLARY CLEARING & GRUE. P ILE STREE REAM CLARADEALL.SUDP (CARDEALL EVOLUTION) 70 CY DEALMORE DITCLE SCLAVITION 5 EA ADDITONAL (JURADEALL POS) INTE AT1 (2000) 2000 CY DELATORAL LEVOL RATERIAL 1 EA CLARADEALL POS DURING, TYPE AT1 (2000) 1195 ST ELECT GRAVILLE FOR SOL STABLEJA- 1 EA CLARADEALL IND UNITS, TYPE AT1 (2000) 1195 ST FORMARY STORPERS 2 EA GAMERAL LEVOLUTING, TYPE AT1 (2000) 1201 FORMARY STORPERS 2 EA METAL LUNE POSTS FOR *** (FALAN (FALA) NUM STORPERS 201 IT TERL RATE CLARADEALLINE ON THE STORPERS 2 EA METAL LUNE POSTS FOR *** (FALAN (FALA) NUM STORPERS 201 IT TERL RATE CLARADEALLINE ON THE STORPERS 2 METAL TRAINADEAL NUM STORPERS 2 201 IT TERL RATE CLARADEAL CLARADEALLINE ON THE STORPERS 2 METAL TRAINADEAL NUM STORPERS 2 201 IT TERL RATE CLARADEAL CLARADEAL 2 METAL TRAINADEAL NUM STORPERS 2 201 I				325	LF	STEEL BEAM GUARDRAIL
INV. INV. CIRVED CIRVED 10 DEALNOE DETCH EXCAVATON 1 IA 2000 CY SILLET GANILAR MATRIAL 1 EA 110 GUERNIE FOR SON STABILEZA 1 IA IABBALLEND INTEN, TYPE AT-1 1200 CY SILLET GANILAR MATRIAL 1 IA IABBALLEND INTEN, TYPE AT-1 1201 TON TANDON STRUCT RESON STABILIZA 1 IABBALLEND INTEN, TYPE TL-3 1201 TONNON STRUCT RESON STABLEZA 1 IABBALLEND INTEN, TYPE TL-3 1201 TONNON STRUCT RESON STABLEZA 1 IABBALLEND INTEN, TYPE TL-3 1201 TONNON STRUCT RESON STABLEZA 1 IABBALLEND INTEN FOR *** CHAIN 1201 TONNON STRUCT RESON STABLEZA 2 IA IABBALLEND INTEN FOR *** CHAIN 1201 TONNON STRUCT RESON STABLEZA 3 IABBALLEND INTEN FOR *** CHAIN IABBALLEND INTEN FOR *** CHAIN 1201 IF TONNON STRUCT RESON STABLEZA 3 IABBALLEND INTEN FOR *** CHAIN IABBALLEND INTEN FOR *** CHAIN 1201 IF IF PREPTE CLUVERTS, CLASS 3 IABBALLEND INTEN FOR *** CHAIN 1201 IF IF PREPTE CLUVERTS, CLASS 3 IABBALLEND INTEN FOR *** CHAIN 1201 IF IF PREPTE CLUVERTS, CLASS <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
10 CV RALMAGE DIFFLE EXAVATION 5 F.A. ADDITIONAL LEDU UNITS, TYPE AT-1 12:00 CV BELFCT GAN LAR MATERIAL I F.A. CLARDRALL EDU UNITS, TYPE AT-1 10:00 SF TEMPORARY SHORNO 2 F.A. CLARDRALL EDU UNITS, TYPE AT-1 11:00 SF TEMPORARY SHORNO 2 F.A. CLARDRALL EDU UNITS, TYPE AT-1 11:00 SF TEMPORARY SHORNO 3 F.A. CLARDRALL EDU UNITS, TYPE AT-1 11:00 SF TEMPORARY SHORNO 3 F.A. CLARDRALL EDU UNITS, TYPE AT-1 11:01 TEMPORARY SHORNO 3 F.A. CHARDRALL EDU UNITS, TYPE AT-1 12:02 SF PENDATION CONDITIONING GEO- TEXTLET. TEXTLET. CLARDRALL EDU UNITS, TYPE AT-1 13:00 F.A. STRALL SHOLN, TYPE FE GAT GAT GAT 14:11 F.B. STRALL SHOLN, TYPE FE GAT GAT GAT GAT 14:11 F.B. STRALL SHOLN, TYPE FE GAT GAT GAT GAT GAT	1	ACR		50	L1.	
2000 CY SELECT DRAWLARE MATERIAL 1 FA GUARREAL END UNITS, TYPE AT-1 1260 SY GEOTEXTLE TO SOL STABILIZA- TON 1 FA GUARREAL END UNITS, TYPE AT-1 1365 ST BAUGARAM LEND UNITS, TYPE AT-1 SA GUARREAL END UNITS, TYPE AT-1 1365 ST FAROTARY SHORTON 2 FA GUARREAL END UNITS, TYPE AT-1 1366 TH CAMPARAL END UNITS, TYPE AT-1 SA GUARREAL END UNITS, TYPE AT-1 500 FA FAROTARY SHORTON 70 FA FA 501 FA STAL ENP CONSTRUCTIONS 70 FA FA 502 FA IS CAPPE CULVERTS, CLASS 70 TON RPA AP, CLASS I 705 FA IS CAPPE CULVERTS, CLASS 70 TON RPA AP, CLASS I 705 FA STA CAPPE CULVERTS, CLASS 73 GOTEXTLE FOR BARANGE 706 FA STA CAPPE CULVERTS, CLASS I 74 GOTEXTLE FOR BARANGE 707 FA FA STA CAPPE CULVERTS, CLASS I 74				-		
Less SY CHARGE ALL FOR SOL STABILIZA- TON I FA CUARDEAL LEPUS SOL STABILIZA- TON L165 SF TIMURO ANY SIGENG 2 FA CUARDEAL LEPUS TONTING TYPE TL-3 LIAL TON TONTON TON MATE- ELAL, MINOR STRUCTURES 4 FI CUARDEAL LEPUS TOR *** CHAIN ELAL, MINOR STRUCTURES S20 SY FORDMATING CONTINUING GED- TON TON CONTINUING GED- CHAIN LEPUS TOR *** CHAIN FORDMATING CONTINUING GED- TON FI	70	CY	DRAINAGE DITCH EXCAVATION			
Loss CAT-1 CAT-1 100 SP CARDRAL UND UNDER COND 2 140 TON FOLMORANG SORTINO 34 141 TON FOLMORANG SORTINO 34 141 TON FOLMORATION CONDITIONING MATL- BAL, MINOR STRUCTURES 34 150 SP FOLMORATION CONDITIONING GEO- TEXTILE 34 251 F FOLMORAGE PIPE 2 252 F FOLMORAGE PIPE 2 253 F FOLMORAGE PIPE 2 254 F STOCATION CONDITIONING GEO- TEXTILE 2 255 F F R C PIPE CLUVERIS, CLASS 30 TON PIPE AR (LASS) 256 F F R C PIPE CLUVERIS, CLASS 31 TON PIPE AR (LASS) 256 F F R C PIPE CLUVERIS, CLASS 32 F SUPPORTILE FOR BARANCE 257 F F R C PIPE CLUVERIS, CLASS 3 F SUPPORTILE FOR BARANCE 258 F F R C PIPE CLUVERIS, CLASS 5 F SUPPORTILE FOR BARANCE <td>2,000</td> <td>CY</td> <td>SELECT GRANULAR MATERIAL</td> <td>1</td> <td>EA</td> <td>GUARDRAIL END UNITS, TYPE AT-1</td>	2,000	CY	SELECT GRANULAR MATERIAL	1	EA	GUARDRAIL END UNITS, TYPE AT-1
TON CAT-1 CAT-1 1.95 SP CUARDRAL LND UNDS. TYPE T3 1.46 TON FOUNDATION CONDITIONING MATE- 346 LF CHARL LAR LNE NET, STATE, STABLEC, CATABLE AND	12 650	SY	GEOTEXTILE FOR SOIL STABILIZA-	1	EA	GUARDRAIL END UNITS, TYPE
1.95 SF TANDORARY SIGRING 2 EA CUARDRALED UNITS. TYPE TL-3 1.46 TON POLNDATION CONDITIONING RED. 36 IF C 5.02 SY POLNDATION CONDITIONING GED. 36 IF C 5.01 SY TON REAL LIME PRIST NOR ***** CHAIN LIME PRIST NOR ***** CHAIN LIME PRIST NOR **** 200 LF IF IF OR PARAMAGE PPE 26 IA IA 200 LF IF IF OR PRIST CLASS 20 TON RP RAY, CLASS I 200 LF IF IF OF PECULVERTS, CLASS 30 TON RP RAY, CLASS I 201 LF IF OF PECULVERTS, CLASS 34 LA SOUNDERTON TYPE TL-3 201 LF IF OF PECULVERTS, CLASS 34 LA SOUNDERTON TYPE TL-3 201 LF IF OF PECULVERTS, CLASS 34 LA SOUNDERTON TYPE TL-3 201 LF IF OF PECULVERTS, CLASS I 5 LA SOUNDERTON TYPE TL-3 201 LF IF OF PECULVERTS, CLASS I 5 LA SOUNDERTON TYPE TL-3 <t< td=""><td>12,000</td><td>51</td><td></td><td></td><td></td><td>CAT-1</td></t<>	12,000	51				CAT-1
Late TON FOUNDATION CONDITIONING MATE- INAL MINOR STRUCTURES 140 IF CHAIN LINE FUNCE, *** FAIRLE' (51) 5.02 SY POINDATION CONDITIONING GEO. INATION CONDITIONING GEO. INATION CONDITIONING GEO. 20 EA METAL LINES THE CLIVER'S CLASS 30 LF 15 DRAIANGE PIPE 20 L ANTIAL TRANSMALL POINT FOR **** CLAIN INATIONAL POINT FOR **** 30 LF 15 DRAIANGE PIPE ELLOWS 20 TON NP RAY, CLASS I 31 LF 16 N C PIPE CLIVERTS, CLASS 20 TON NP RAY, CLASS I 32 LF 17 N C PIPE CLIVERTS, CLASS 31 TON NP RAY, CLASS I 33 LF 18 N C PIPE CLIVERTS, CLASS 32 EA SIGN PEECTON, TYPE F 34 LF 37 N C PIPE CLIVERTS, CLASS I 26 SIGN PEECTON, RELOCATE TYPE H 35 LF 18 N C PIPE CLIVERTS, CLASS I 26 SIGN PEECTON, RELOCATE TYPE H 36 LF 18 N C PIPE CLIVERTS, CLASS I 26 26 SIGN PEECTON, RELOCATE TYPE H 376 LF 18 N C PIPE CLIVERTS, CLASS I 2	1 105	CE		2	EA	GUARDRAIL END UNITS TYPE TL-3
1.10 1.11 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Supe Sys FOUDDATION CONDITIONING GEO- TEXTULE 31 FA MITAL TREMINAL POSTS FOR *** CHAIN LINK FENCE (ST) 20 IF IF SDEANNAGE PIPE ST ST METAL TEMMINAL POSTS FOR *** (ST) 20 IF IF SDEANNAGE PIPE ELBOWS (ST) METAL TEMMINAL POSTS FOR *** (ST) 20 IF IF REPERANCE PIPE CLUVERTS CLASS (SO) NR PF APA CLASS I 20 IF IF REPERANCE PIPE CLUVERTS CLASS (SO) NR PF APA CLASS I 20 IF IF REPECULVERTS CLASS (SO) NR PF APA CLASS I 21 IF SR REPTION CLUVERTS CLASS (SO) SIGN REPECTION TYPE IF 21 IF SR REPTION CLUVERTS CLASS IV (D) (D) 21 IF REPECTIVERTS CLASS IV (D) (D) (D) 23 IF REPECTIVERTS CLASS IV (D) (D) (D) 24 IF REPECTIVERTS CLASS IV (D) (D) (D) 25 IF REPECTIVERTS CLASS IV (D) (D) (D) 26 IF REPECTIVERTS CLASS IV	1,416	TON		540	LF	
Instruct TENTLE LINN FERCE 320 LF 15 'DE RANN GE IPPE (A') 10 KA **** DE RANN GE IPPE (A) 10 KA ************************************						
530 LF LS	5,042	SY	FOUNDATION CONDITIONING GEO-	30	EA	
10 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16<			TEXTILE			
28 IF IF IF IF IF ADMANDE PIPE LEUNORS Charling First Charling First 10 IA *** DRAINGE PIPE LEUNORS Charling First Charling First 10 IF IF IF RC PIPE CLUNERTS, CLASS 0 TON REP AP, CLASS II 11 IF IF IF RC PIPE CLUNERTS, CLASS 437 SY GEOTEXTILE FOR DRAINAGE 238 IF IF SP RC PIPE CLUNERTS, CLASS 44 SIGN ERECTION, TYPE P 238 IF SP RC PIPE CLUNERTS, CLASS 44 SIGN ERECTION, TYPE P 24 IF SP RC PIPE CLUNERTS, CLASS IV 46 SIGN ERECTION, TYPE P 25 IF SP RC PIPE CLUNERTS, CLASS IV 76 SIGN ERECTION, TYPE P 26 IF SP RC PIPE CLUNERTS, CLASS IV 76 SIGN ERECTION, TYPE P 26 IF SP RC PIPE CLUNERTS, CLASS IV 76 SIGN ERECTION, TYPE P 27 IF SP RC PIPE CLUNERTS, CLASS IV 76 SIGN ERECTION, TYPE P 26 IF SP RC PIPE CLUNERTS, CLASS IV 76 SIGN ERECTION, RELOCATE TYPE <	520	LF	15" DRAINAGE PIPE			
10 EA ************************************	280	IF		2	EA	
(15) 15° RC PIPE CLUVERTS, CLASS (20) TON TON TOP, PL ACASS I 21 15° RC PIPE CLUVERTS, CLASS (20) TON RUP RAP, CLASS I 22 16° 18° RC PIPE CLUVERTS, CLASS (41) SUPPORTS, 11, STREEL UCHANNEL 23 17 18° RC PIPE CLUVERTS, CLASS (41) SUPPORTS, 11, STREEL UCHANNEL 24 18 37 RC PIPE CLUVERTS, CLASS (41) SUPPORTS, 11, STREEL UCHANNEL 24 18 37 RC PIPE CLUVERTS, CLASS (31) RC PIPE CLUVERTS, CLASS (32) 25 18 76 REPECTURE CLASS IV (31) (36) (36) 26 18 76 RC PIPE CLUVERTS, CLASS IV (31) (32) (31) (31) (31) (31) (32) (31)						CHAIN LINK FENCE
92 LD 157 RC PIPE CULVERTS, CLASS 600 NO RIP RAP, CLASS II 92 LF 187 COLVERTS, CLASS 510 TON RIP RAP, CLASS II 93 LF 187 COLVERTS, CLASS 510 TON RIP RAP, CLASS II 93 LF 27 COLVERTS, CLASS 94 LF SUPPORTS, SLE STEEL (CHARNEL) 93 LF 37 CA SIGN RECTON, TYPE F 11 2 LF SUPPORT, SLE STEEL (CHARNEL) 94 LF 37 CA SIGN RECTON, TYPE F 11 12 LF 36 CA SIGN RECTON, TYPE F 107 LF 157 CA SIGN RECTON, RELOCATE TYPE 16 16 CA SIGN RECTON, RELOCATE TYPE 106 LF 27 RC PIPE CULVERTS, CLASS IV 2 EA SIGN RECTON, RELOCATE TYPE 1167 LF 157 RC PIPE CULVERTS, CLASS IV 2 EA SIGN RECTON, RELOCATE TYPE 1167 LF SIGN RECTON, RELOCATE TYPE 2 EA SIGN RECTON, RELOCATE TYPE </td <td>10</td> <td>EA</td> <td></td> <td></td> <td></td> <td>(54")</td>	10	EA				(54")
92 LP 19 10<				20	TON	RIP RAP, CLASS I
10 10 NO RAP CLASS B 11 IF RC PIPE CULVERTS, CLASS 4.427 37 GOTTATULE POR PARIAAGE 128 LF 10 COTTATULE POR PARIAAGE 4.427 37 GOTTATULE POR PARIAAGE 128 LF 30 CAP PIPE CULVERTS, CLASS 4.4 FA SIGN REFCTON, TYPE F 128 LF 30 CAP PIPE CULVERTS, CLASS 3 EA SIGN REFCTON, RELOCATE TYPE 116 T 15 CAP PIPE CULVERTS, CLASS IV 5 EA SIGN REFCTON, RELOCATE TYPE 1267 LF 15 CAP PIPE CULVERTS, CLASS IV 6 SIGN REFCTON, RELOCATE TYPE 1267 LF 30 CAP PIPE CULVERTS, CLASS IV 6 SIGN SYSTEM, U 1267 LF 30 CAP PIPE CULVERTS, CLASS IV CHANNEL CHANNEL 1260 LF 30 CAP PIPE CULVERTS, CLASS IV CHANNEL CHANNEL 1261 LF SOTTAPE PIPE FELDOWS, ****** 28 EA SOTON SUCLOANS SUCLOANS SUCLOANS SUCLOANS SUCLOANS SUCLOANS SUCLOANS SUCLOANS SUCLOA	92	LF		620	TON	
10 Li IN IN PARC PIPE CULVERTS, CLASS 4.27 SV SV SUPPORTS, J.L.SS 984 LF SUPPORTS, J.L.SS 128 SUPPORTS, J.L.CARS NU 128 128 SUPPORTS, J.C.ARS NU 128 128 128 128 128 128 128 128			III			
328 LF Set Proc PFE CULVERTS, CLASS 198 LF SUPPORTS, 3:LB STELL, UCHANNEL 28 LF 97 RC PFE CULVERTS, CLASS 33 EA SURF BECTION, TYPE 5 11 11 11 7.84 LF 57 RC PFE CULVERTS, CLASS 3 EA SURF BECTION, TYPE 5 167 14 F 75 RC PFE CULVERTS, CLASS IV 5 EA SURF BECTION, RELOCATE TYPE 5 167 17 87 RC PFE CULVERTS, CLASS IV 5 EA SURF SECTION, RELOCATE TYPE 5 216 LF 97 RC PFE CULVERTS, CLASS IV 60 500 RSINO MONTED) 60 230 LF 97 RC PFE CULVERTS, CLASS IV 42 EA SURFOAL OF SUGN SYSTEM, U-CHANNEL 241 LF 97 RC PFE CULVERTS, CLASS IV 60 60 700 RC PFE CULVERTS, CLASS IV 60 25 EA 87 WORK ZONE SUGN STATULU-CHANNEL 60 500 RSINO ALOF SUGN STATULU-CHANNEL 3630 CV SHALTO WORKL 31 61 67 670 ROP7 24 EA PORTABLE CONC	20	LF	18" RC PIPE CULVERTS, CLASS			
28 LF IN IN EA SION EBECTION, TYPE D 28 LF 97 RC PIPE CULVERTS, CLASS 38 EA SION EBECTION, TYPE F 12 LF 67 RC PIPE CULVERTS, CLASS IV 0 SION EBECTION, TYPE F 13 LF SICN EBECTION, TYPE CLASS IV 0 0 14.07 LF FR CPIPE CULVERTS, CLASS IV 0 0 26 LF FR CPIPE CULVERTS, CLASS IV 0 0 26 LF FR CPIPE CULVERTS, CLASS IV 0 0 27 LF FR CPIPE CULVERTS, CLASS IV 0 0 28 LF FR CPIPE CULVERTS, CLASS IV 0 0 29 LA FR CPIPE CULVERTS, CLASS IV 0 0 0 20 LF STR CPIPE CULVERTS, CLASS IV 0			III	4,327	SY	GEOTEXTILE FOR DRAINAGE
III 4 EA SION REPCTION, TYPE D 28 IF 90 PC CPUPE CULVERTS, CLASS 32 EA SION RECCTION, TYPE F 12 IF 56 PC PIPE CULVERTS, CLASS 32 EA SION REPCTION, TYPE F 13 15 PC PIPE CULVERTS, CLASS IV 00 107 EA SION REPCTION, RELCATE TYPE F**** (GROUND MOUNTED) 14.72 14 PC PIPE CULVERTS, CLASS IV 00 00 100 EA SION REPCTION, RELCATE TYPE F************************************	328	LF	24" RC PIPE CULVERTS, CLASS	984	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
28 LF 91 CC PIPE CULVERTS, CLASS 23 EA SIGN ERECTION, TYPE F 12 LF 87 CC PIPE CULVERTS, CLASS IV 2 A SIGN ERECTION, RELCACHT TYPE F 74.44 LF 15 RC PIPE CULVERTS, CLASS IV 0 0 0 16.72 LF 87 RC PIPE CULVERTS, CLASS IV 0 0 0 16.72 LF 87 RC PIPE CULVERTS, CLASS IV 0 0 0 16.74 LF 97 RC PIPE CULVERTS, CLASS IV 0 0 0 28 LF 97 RC PIPE CULVERTS, STANS 2 EA 005 ROSALOF SUPORT, U. CHANNEL 29.41 LF 97 RC PIPE ELBOWS, ****** 28 SF 005 ROSALOF SUPORT, U. CHANNEL 30.51 CG 0.0797 9 EA 00 RC X20NE SIGNS ROTATIONARY) 10 2.42 LF PIPE RELBOWS, ****** 10 20 SIGN ROTATIONARY) 10 31.50 CY SIALIZA 0 XA LAMOREABLE MESSAGE 31.50 CY SIALIZA 0<				4	EA	SIGN ERECTION. TYPE D
III 2 EA SION ERECTION, TYPE F 12 IF S ^N RC PIPE CULVERTS, CLASS IV 5 EA SION ERECTION, RELOCATE TYPE 1672 IF IF RC PIPE CULVERTS, CLASS IV 5 EA SION ERECTION, RELOCATE TYPE 216 IF 3" RC PIPE CULVERTS, CLASS IV 5 EA SION ERECTION, RELOCATE TYPE 216 IF 3" RC PIPE CULVERTS, CLASS IV 5 EA SION SOLO SUPPORT, UCHANNEL 216 IF 3" RC PIPE CULVERTS, CLASS IV 6 KOROND MOUNTED) 216 IF CORE CULVERTS, CLASS IV 6 KORONDONTSTED) 217 RC PIPE CULVERTS, ****** 28 SF WORS 200E SIGNS (STATIONARY) 216 FT FT FT REMOVAL 28 SF WORS 200E SIGNS (STATIONARY) 3150 CY SIALLOW UNDERCUT 311 EA PIEP FEMOVAL 21 FE TEMPORARY CRASH CUSHING 31,50 CY SIALLOW UNDERCUT 311 EA PIEP FEMOVAL 16 TE TEMPORARY C	20	LE				
12 LF B B B B B B B CONTRACT CONTRACT <td>28</td> <td>LF</td> <td></td> <td></td> <td></td> <td></td>	28	LF				
III ***** (GROUND MOUNTED) 1672 15" RC PIPE CULVERTS, CLASS IV 0 216 15" RC PIPE CULVERTS, CLASS IV 5 EA SIGN ERECTION, RELOCATE TYPE 216 15" RC PIPE CULVERTS, CLASS IV 6 ************************************						SIGN ERECTION, TYPE F
7,848 LF IS FR CPPE CULVERTS, CLASS IV (D) 216 LF 24° RC PIPE CULVERTS, CLASS IV 5 EA SIGN ERECTON, SIGN ENCOUND MOUNTED) 216 LF 37° RC PIPE CULVERTS, CLASS IV 4 EA DISPOSAL OF SIGN SYSTEM, U. 218 LF 87° RC PIPE CULVERTS, CLASS IV 9 EA DISPOSAL OF SIGN SYSTEM, U. 218 LF 87° RC PIPE CULVERTS, ****** 28 SF WORK ZONE SIGN SYSTEM, U. 219 CA *** CS PIPE ELBONS, ***** 28 SF WORK ZONE SIGNS (PORTABLE) 2107 CV SHALLOW UNDERCUT 31 EA PIPE REMOVAL 21 EA PIPE REMOVAL 31,00 CV SHALLOW UNDERCUT 31 EA TEMPORARY CRASH CUSHIONS 1,000 TON CLASS IV SUBGRADE STABILIZA- 60 DAY FLAGGER 1,000 TON NCDEPITAL STONE BASE LAGGER TO FA TEMPORARY CRASH CUSHIONS 1,000 TON ASPHALT CONC INTERMEDIATE	12	LF		3	EA	SIGN ERECTION, RELOCATE TYPE
1.672 LF IF R C PIPE CULVERTS, CLASS IV 5 F.A. SIGN ERECTION. RELOCATE TYPE: (GROUND MOUNTED) (F) 216 LF 24° R C PIPE CULVERTS, CLASS IV (F) 216 LF 37° R C PIPE CULVERTS, CLASS IV (F) 218 LF 37° R C PIPE CULVERTS, CLASS IV (F) 218 LF *** C S PIPE CULVERTS, CLASS IV (F) 217 LF *** C S PIPE CULVERTS, CLASS IV (F) 218 F ***C S PIPE CULVERTS, CLASS IV (F) 219 PIPE CULVERTS, CLASS IV (F) (F) 22,22 LF PIPE REMOVAL (F) (F) 31,510 CV SHALLOW UNDERCUT (F) (F) 31,510 CV SHALLOW UNDERCUT (F) (F) 1,000 TON NCIDENTAL STORE BASE (F) (F) (F) 1,000 TON NCIDENTAL STORE BASE (F) (F) (F) (F) 1,200 TON SPHALT CONC NUEFACE COURSE, TYPE 19/0C (F) (F) (F) (F) 1,200 TON SPHALT PLANT MIX, PAVEMENT **			III			**** (GROUND MOUNTED)
216 LF 24 RC PPE CULVERTS, CLASS IV ************************************	7,484	LF	15" RC PIPE CULVERTS, CLASS IV			(D)
216 LF 24 RC PPE CULVERTS, CLASS IV ************************************	1.672	LF	18" RC PIPE CULVERTS, CLASS IV	5	EA	SIGN ERECTION. RELOCATE TYPE
11 15 30° RC PPE CULVERTS, CLASS IV (E) 28 IF *** CS PPE CULVERTS, ****** 42 EA DISPOSAL OF SIGN SYSTEM, U- CHANNEL. 28 IF *** CS PPE CLIVERTS, ****** 42 EA DISPOSAL OF SIGN SYSTEM, U- CHANNEL. 28 *** CS PPE CLIVERTS, ****** 45 SF WORK ZONE SIGNS (STATIONARY) 2 EA *** CS PPE CLIVERTS, ****** 96 SF WORK ZONE SIGNS (STATIONARY) 31.50 CS FALLOW (NDERCUT 31 EA PRITABLE CONCRETE BARRET SIGN 3.3150 CN SFLAUENDERDESTABILIZA- 60 DAY FLAGGER 1.000 TON NCIDENTAL STONE BASE 1.00 FMORABY CRASH CUSHIONS ACCHORED) 1.210 SV MILLING ASPHALT PAVEMENT, ***** 20 HR LAW ENFORCEMENT 1.230 TON ASPHALT CONC INTERMEDIATE ACCHORED) ACCHORED AVEMENT MARKING 1.230 TON ASPHALT CONC SURFACE COURSE, TYPE 19:00. ILNES (47: 90 MILS) ILNES (47: 90 MILS) 1.230 TON SA						
38 LF 39 NC HE CULVERS, ***** 12 LF ***C S PIPE CULVERS, ***** 28 SF MORSOAL OF SUPPORT, UCHANNEL 13 Correct Correct 100 SF WORK ZONE SURNS (STATIONARY) 9 EA DISPOSAL OF SUPPORT, UCHANNEL 2.242 LF PIPE REMOVAL 28 SF WORK ZONE SURNS (STATIONARY) 3.150 CY SHALLOW UNDERGUT 311 EA DRUMS 6.600 TON CLASS IV SURGRADE STABILIZA- 60 AY FLAGGER 1000 TON SUBDRAIN STORE BASE 100 DAY FLAGGER 1,000 TON NCIDENTAL STONE BASE 100 DE PORTABLE CONCENTE BARRIER (ANCIDENT) 1,210 SY MILLING ASPHALT PAVEMENT, **** 24 EA TEMPORARY RASE DAVEMENT 1,230 TON ASPHALT CONC SURFACE COURSE, TYPE 19.00 14 EA EMPRORARY RASE DAVEMENT 1,230 TON ASPHALT CONC SURFACE COURSE, TYPE 19.00 14 EA EMPRORARY RASE DAVEMENT 1,240 SY GOURSE, TYPE 19.00 COURSE, TYPE 19.00 15 EA FMEROPICASTIC PAVEMENT MARKING LINES (4," 90 MILS) 1,230 TON ASPHALT CONC SURFACE COURSE, TYPE 19.00 15						
28LP*** CS PIPE CULVERIS,****** THICK ($36^{\circ},0079^{\circ}$)9EADISPOSAL OF SUPPORT, UCHANNEL ($36^{\circ},0079^{\circ}$)2EA*** CS PIPE ELBOWS, ****** THICK96SFWORK ZONE SIGNS (STATIONARY) THICK2,3150CYSHALOW (NDERCUT31EAPORTABLE CHANGEABLE MESSAGE SIGN3,3150CYSHALOW (NDERCUT31EADRUMS6,800TONCLASS IV SUBGRADE STABILIZA- TON6DAYFLAGGER1,000TONINCIDENTAL STONE BASE100DAYFLAGGER1,210SYMILLING ASPHALT PAVEMENT, **** (024HEPORTABLE CONCRETE BARNER (ARCHORED)1,210SYMILLING ASPHALT PAVEMENT, **** (024HELAW ENFORCEMENT (ARCHORED)1,230NASPALITICONC UNFERMEDIATE COURSE, TYPE 19.9C47FHERMOPLASTIC PAVEMENT MARKING LINES (4', 90MLS)1,330CYSUBDRAIN EXCAVATION115EATHERMOPLASTIC PAVEMENT MARKING LINES (4', 90MLS)1,330CYSUBDRAIN EXCAVATION115EATHERMOPLASTIC PAVEMENT MARKING LINES (4')1,330CYSUBDRAIN NEA AGGREGATE (24')25EAPAINT PAVEMENT MARKING LINES (4')1,300CYSUBDRAIN NEA AGGREGATE (24')25EAFAMOPLASTIC PAVEMENT MARKING LINES (4')1,300LFFORTATEL SUBSURFACE (24')26EAPAINT PAVEMENT MARKING LINES (4')1,300LFFORTATEL SUBSURFACE (24')27EA </td <td>904</td> <td></td> <td></td> <td>42</td> <td>ΕA</td> <td></td>	904			42	ΕA	
INTER (36°, 007°)9EADISPOSAL OF SUPPORT, U-CHANNEL (36°, 007°)2EA*** CS PIPE ELBOWS, *****"28SFWORK ZONE SIGNS (STATIONARY) THICK (36°, 007°)2EAPORTABLE, CHANGEABLE MESSAGE SIGN56WORK ZONE SIGNS (PATADALE) SIGN2.242LFPIPE REMOVAL311EADRUMS3.150CYSHALLOW UNDERCUT311EADRUMS3.350CYSHALLOW UNDERCUT311EADRUMS4.100TONINCIDENTAL STONE BASE4EATEMPORARY CRASH CUSHIONS1.000TONINCIDENTAL STONE BASE1,60LFPORTABLE CONCRETE BARRIER (ACHORED)1.210TONSPHALT PA VEMENT, ****20IRLAW ENFORCEMENT (ACHORED)1.230TONASPHALT CONC INTERMEDIATE COURSE, TYPE 19:00277EATEMPORARY ENAISED PAVEMENT MARKERS1.230TONASPHALT CONC SURFACE COURSE, TYPE 89:5BTEMPORARY ENAISED PAVEMENT MARKING LINNS (4*, 30 MILS)EATEMPORARY ENAISED PAVEMENT MARKING LINNS (4*, 30 MILS)1.300TONASPHALT PLANT MIX, PAVEMENT REPAIR28LFPAINT PAVEMENT MARKING LINES (4*)1.301TONASPHALT PLANT MIX, PAVEMENT REPAIR28LFPAINT PAVEMENT MARKING LINES (4*)1.302TONASPHALT PLANT MIX, PAVEMENT REPAIR28LFPAINT PAVEMENT MARKING LINES (4*)1.303TONSY BOOL (300 MILS)COURSES (4*)LINNS (4*)LINNS (4*) <td< td=""><td>28</td><td>LF</td><td>**" CS PIPE CULVERTS, *****"</td><td>42</td><td>LA</td><td></td></td<>	28	LF	**" CS PIPE CULVERTS, *****"	42	LA	
2E 4^{++} (CS PIPE ELBOWS, ******258SFWORK ZONE SIGNS (STATIONARY)2EA 4^{++} (CS PIPE ELBOWS, *****96SFWORK ZONE SIGNS (ORTABLE)2,3150(35', 0.07')2EAPORTABLE CHANGEABLE MESSAGE3,3150(YSHALLOW UNDERCUT311EAPORTABLE CHANGEABLE MESSAGE6,800TONICLASS IV SUBGRADE STABILIZA-60DAYFLAGGER1,000TONINCIDENTAL STONE BASE1.050LFPORTABLE CONCRETE BARRIER1,210SYMILLING ASPHALT PAVEMENT, ****20HELAW ENPORCEMENT10SYMALT CONC INTERMEDIATETO ******20HELAW ENPORCEMENT1,2260TONSPHALT CONC INTERMEDIATETO KAPALT CONC INTERMEDIATETARIPORARY EASED PAVEMENT1,230TONSPHALT CONC INTERMEDIATETARIPORARY EASED PAVEMENT MARKINGLINES (**, 90 MLS)1,303TONSPHALT CONC SUBFACE COURSE,THERMOPLASTIC PAVEMENT MARKING1,303TONSPHALT CONC SUBFACE57, 86LINES (**, 90 MLS)700SYGEOTEXTILE FOR SUBSURFACE53, 786LFPAINT PAVEMENT MARKING LINES710SYGEOTEXTILE FOR SUBSURFACE53, 786LFPAINT PAVEMENT MARKING LINES720CYSUBDRAIN FINE AGGREGATE122LFPAINT PAVEMENT MARKING LINES730LF67SUBDRAIN PIPE OUTLET40EAPAINT PAVEMENT MARKING LINES740LFFIPEROUTLET40EAPAINT PAV			THICK			
Image: Section of the section of t			(36", 0.079")		EA	DISPOSAL OF SUPPORT, U-CHANNEL
2.242 1.F PIPE REMOVAL 2 EA PORTABLE CHANGEABLE MESSAGE 3.150 CY SHALLOW UNDERCUT 311 EA SIGN 3.600 TON CLASS IV SUBGRADE STABILIZA- TON 6 DAY FLAGGER 1.000 TON INCIDENTAL STONE BASE 1.050 LA FPORTABLE CONCRETE BARRIER (ANCHORED) FORTABLE CONCRETE BARRIER (ANCHORED) 1.001 TON INCIDENTAL STONE BASE 1.050 LB PORTABLE CONCRETE BARRIER (ANCHORED) 1.002 TON SPHALT POVEMENT,**** 240 HE LAW ENFORCEMENT 112.300 TON ASPHALT CONC SUFFACE COURSE, TYPE \$9.58 THERMOPLASTIC PAVEMENT MARKING LINES (#, 90 MILS) HERMOPLASTIC PAVEMENT MARKING LINES (#, 90 MILS) 11.620 TON ASPHALT PLANT MIX, PAVEMENT TS THERMOPLASTIC PAVEMENT MARKING SYMBOL (00 MILS) 11.621 TON ASPHALT PLANT MIX, PAVEMENT TS THERMOPLASTIC PAVEMENT MARKING SYMBOL (00 MILS) 1200 CY SUBDRAIN FROCAVATION SUBDRAIN NEXCAVATION SUBDRAIN NEXCAVATION 1201 CY SUBDRAIN FINE AGGREGA	2	EA	**" CS PIPE ELBOWS, *****"	258	SF	WORK ZONE SIGNS (STATIONARY)
2.242LFPIPE REMOVALSIGN3.150CYSHALLOW UNDERCUT311EADRUMS6.00TOCLASS IV SUBGRADE STABILIZA-60DAYFLAGGER1.000TONICIDENTAL STONE BASE1.050LFPORTABLE CONCRETE BARRIER (ANCHORED)1.201SYMILLING ASPHALT PAVEMENT, ***" (0° TO 1-1/2°)240HRLAW ENFORCEMENT (ANCHORED)12.360TONA SPHALT CONC INTERMEDIATE COURSE, TYPE 19.0C477EATEMPORARY CRASHED PAVEMENT (ANCHORED)1.230TONA SPHALT CONC SURFACE COURSE, TYPE 59.58TPLFHERMOPLASTIC PAVEMENT MARKING LINES (4°, 90 MLS)1.630TONA SPHALT PLANT MIX, PAVEMENT REPARLFHERMOPLASTIC PAVEMENT MARKING STMED (40 MLS)1.630TOASPHALT PLANT MIX, PAVEMENT REPARLFHERMOPLASTIC PAVEMENT MARKING STMED(40 MLS)1.630TOSSPIALT PLANT MIX, PAVEMENT REPARLFHERMOPLASTIC PAVEMENT MARKING STMED(40 MLS)1.630CVSUBDRAIN EXCAVATIONLFHERMOPLASTIC PAVEMENT MARKING STMED(40 MLS)1.630CYSUBDRAIN FINE AGGREGATECS1.900LF6' PERFORATED SUBDRAIN PIPE238LF1.900LF6' PERFORATED SUBDRAIN PIPE238LF1.900LF6' PERFORATED SUBDRAIN PIPE240EA1.900LF6' PERFORATED SUBDRAIN PIPE240EA1.900LF6' PERFORATED SUBDRAIN PIPE240EA1.900 <t< td=""><td></td><td></td><td>THICK</td><td>96</td><td>SF</td><td>WORK ZONE SIGNS (PORTABLE)</td></t<>			THICK	96	SF	WORK ZONE SIGNS (PORTABLE)
2.242IFIPPE REMOVALSIGN3.150CVSHALLOW UNDERCUT311EADRUMS6.680TONCLASS IV SUBGRADE STABILIZA-60DAYFLAGGER1.000TONINCIDENTAL STONE BASE1.05IFPORTABLE CONCRETE BARRIER (ANCHORED)1.200SYMILLING ASPHALT PAVEMENT, **** TO ******200HRLAW ENFORCEMENT (ANCHORED)1.2.30TONASPHALT CONC INTERMEDIATE COURSE, TYPE 19.0C477EAHENPORARY RAISED PAVEMENT MARKING LINES (4*, 90 MLS)1.2.31TONASPHALT CONC SURFACE COURSE, TYPE 59.58702IFHENPORARY RAISED PAVEMENT MARKING LINES (4*, 90 MLS)1.330TONASPHALT PLANT MIX, PAVEMENT REPARIFHENPORARY RAISED PAVEMENT MARKING LINES (6*, 90 MLS)1.331TONASPHALT PLANT MIX, PAVEMENT REPARIFHENPOLASTIC PAVEMENT MARKING LINES (6*, 90 MLS)1.332TONSUBDRAIN ENCAVATIONIFEAHENPOLASTIC PAVEMENT MARKING SYMBOL(00 MLS)3333CYSUBDRAIN FINE AGGREGATE115EAHENPOLASTIC PAVEMENT MARKING SYMBOL (00 MLS)344FSUBDRAIN FINE AGGREGATE128IFPAINT PAVEMENT MARKING LINES GYT345FSUBDRAIN FINE AGGREGATE128IFPAINT PAVEMENT MARKING LINES GYT346FSUBDRAIN PIPE OUTLET40EAPAINT PAVEMENT MARKING LINES GYT347GSUBDRAIN PIPE OUTLET40EAPAINT PAVEMENT MARKING LINES GYT <td< td=""><td></td><td></td><td>(36", 0.079")</td><td>2</td><td>EA</td><td>PORTABLE CHANGEABLE MESSAGE</td></td<>			(36", 0.079")	2	EA	PORTABLE CHANGEABLE MESSAGE
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6800 TON CLASS IV SUBGRADE STABILIZA- 60 DAY FLAGGER 1000 TON INCIDENTAL STONE BASE 1.050 LF PORTABLE CONCRETE BARRIER 1,210 SY MILLING ASPHALT PAVEMENT, ***" 240 HR LAW ENFORCEMENT 1,210 SY MILLING ASPHALT PAVEMENT, ***" 240 HR LAW ENFORCEMENT 1001 TON ASPHALT CONC INTERMEDIATE 700 477 FA TEMPORARY RAISED PAVEMENT 11,620 TON ASPHALT CONC SURFACE COURSE, TYPE 119.0C 47.47 F THERMOPLASTIC PAVEMENT MARKING LINES (*, 90 MILS) 11,630 TON ASPHALT PLANT MIX, PAVEMENT 15 F THERMOPLASTIC PAVEMENT MARKING LINES (*, 90 MILS) 11,630 TON ASPHALT PLANT MIX, PAVEMENT 15 F THERMOPLASTIC PAVEMENT MARKING LINES (*, 90 MILS) 11,630 TON ASPHALT ELOR SUBSURFACE 63.766 LF PAINT PAVEMENT MARKING LINES (*, 90 MILS) 11,630 TON SY BUBDRAIN FINE AGGREGATE 15 F A THERMOPLASTIC PAVEMENT MARKING LINES (*, 90 MILS) 11,630 CY SUBDRAIN FINE AGGREGATE 15 F <td< td=""><td></td><td></td><td></td><td>211</td><td>EA</td><td></td></td<>				211	EA	
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1,210 SY MILLING ASPHALT PAVEMENT, ****" (ANCHORED) 10 ************************************				4	EA	TEMPORARY CRASH CUSHIONS
TO ****** (0" TO 1-1/2")240HRLAW ENFORCEMENT12,360TONASPHALT CONC INTERMEDIATE COURSE, TYPE 19,0C477EATEMPORARY RAISED PAVEMENT MARKERS11,620TONASPHALT CONC SURFACE COURSE, TYPE 39,5B47,497LFTHERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)16,630TONASPHALT PLANT MIX, PAVEMENT REPAIR15EAFHERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)430CYSUBDRAIN EXCAVATION15EATHERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)430CYSUBDRAIN EXCAVATION15EATHERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)430CYSUBDRAIN FINE AGGREGATE63,786LFPAINT PAVEMENT MARKING LINES (4")430CYSUBDRAIN PINE AGGREGATE132LFPAINT PAVEMENT MARKING LINES (4")441CYSUBDRAIN PINE OUTLET C4")28LFPAINT PAVEMENT MARKING SYMBOL55EASUBDRAIN PIPE OUTLET C4")24LFREMOVAL OF PAVEMENT MARKING SYMBOL0.1CYPIPE OULARS16.132LFREMOVAL OF PAVEMENT MARKING LINES (4")0.1CYPIPE PLUGS111LFREMOVAL OF PAVEMENT MARKING LINES (4")122EAMASONRY DRAINAGE STRUCTURES111LFREMOVAL OF PAVEMENT MARKING LINES (4")122EAMASONRY DRAINAGE STRUCTURES111LFREMOVAL OF PAVEMENT MARKING LINES (4")123LFMASONRY DRAINAGE STRUCTURES111LF	1,000	TON	INCIDENTAL STONE BASE	1,050	LF	PORTABLE CONCRETE BARRIER
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(0 ^T T0 1-1/2 ^T)477EATEMPORARY RAISED PAVEMENT MARKERS12,360TONASPHALT CONC INTERMEDIATE COURSE, TYPE 119,0C47,477I.FTHERMOPLASTIC PAVEMENT MARKING LINES (4*, 90 MILS)11,620TONASPHALT CONC SURFACE COURSE, TYPE 59,58TPE 59,58I.FTHERMOPLASTIC PAVEMENT MARKING LINES (4*, 90 MILS)1,630TONASPHALT PLANT MIX, PAVEMENT REPAIRI.FTHERMOPLASTIC PAVEMENT MARKING LINES (4*, 90 MILS)430CYSUBDRAIN EXCAVATIONSYMBOL (90 MILS)700SYGEOTEXTILE FOR SUBSURFACE DRAINS63,786I.FPAINT PAVEMENT MARKING LINES (4*)205CYSUBDRAIN FINE AGGREGATE DRAINSI.FPAINT PAVEMENT MARKING LINES (4*)205CYSUBDRAIN FINE AGGREGATE DRAINSI.FPAINT PAVEMENT MARKING LINES (4*)205CYSUBDRAIN PIPE AGGREGATE OLILETI.FPAINT PAVEMENT MARKING LINES (4*)205CYSUBDRAIN PIPE OUTLET OUTLET PIPE28I.FPAINT PAVEMENT MARKING LINES (4*)30LF6' OUTLET PIPE40EAPAINT PAVEMENT MARKING SYMBOL0.1CYPIPE PLUGSI.II.RREMOVAL OF PAVEMENT MARKING LINES (4*)30LFMASONRY DRAINAGE STRUCTURESIIII.FREMOVAL OF PAVEMENT MARKING LINES (2*)31LFMASONRY DRAINAGE STRUCTURESIIII.FREMOVAL OF PAVEMENT MARKING LINES (2*)34LFRAME WITH GRATE & HOOD, STD 840,03, TYPE ** (F)S55L			TO ******"	240	HR	LAW ENFORCEMENT
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DRAINS(4*)205CYSUBDRAIN FINE AGGREGATE132LFPAINT PAVEMENT MARKING LINES120CYSUBDRAIN COARSE AGGREGATE132LFPAINT PAVEMENT MARKING LINES120CYSUBDRAIN COARSE AGGREGATE132LFPAINT PAVEMENT MARKING LINES1900LF6" PERFORATED SUBDRAIN PIPE238LFPAINT PAVEMENT MARKING SIMBOL5EASUBDRAIN PIPE OUTLET40EAPAINT PAVEMENT MARKING SYMBOL0.5CYPIPE COLLARS16,132LFREMOVAL OF PAVEMENT MARKING SYMBOL0.1CYPIPE PLUGS30LFREMOVAL OF PAVEMENT MARKING0.1CYPIPE PLUGS30LFREMOVAL OF PAVEMENT MARKING122EAMASONRY DRAINAGE STRUCTURES30LFREMOVAL OF PAVEMENT MARKING123LFMASONRY DRAINAGE STRUCTURES111LFREMOVAL OF PAVEMENT MARKING24EAFRAME WITH TWO GRATES, STD111LFREMOVAL OF PAVEMENT MARKING TEM36KAFRAME WITH GRATE & HOOD, STD555EASNOWPLOWABLE PAVEMENT MARKING36KAFRAME WITH GRATE & HOOD, STD555LF8" WATER LINE37KAFRAME WITH GRATE & HOOD, STD555LF8" WATER LINE38EAFRAME WITH GRATE & HOOD, STD555LF16" WATER LINE39KAFRAME WITH GRATE & HOOD, STD555LF16" WATER LINE340.03, TYPE **7,810LBDUCTILE IRON W	430	CY	SUBDRAIN EXCAVATION			SYMBOL (90 MILS)
DRAINS(4")205CYSUBDRAIN FINE AGGREGATE132LFPAINT PAVEMENT MARKING LINES120CYSUBDRAIN COARSE AGGREGATE132LFPAINT PAVEMENT MARKING LINES120CYSUBDRAIN COARSE AGGREGATE132LFPAINT PAVEMENT MARKING LINES1900LF6" PERFORATED SUBDRAIN PIPE238LFPAINT PAVEMENT MARKING LINES5EASUBDRAIN PIPE OUTLET238LFPAINT PAVEMENT MARKING SYMBOL0.5CYPIPE COLLARS16,132LFREMOVAL OF PAVEMENT MARKING0.1CYPIPE PLUGS30LFREMOVAL OF PAVEMENT MARKING0.1CYPIPE PLUGS30LFREMOVAL OF PAVEMENT MARKING122EAMASONRY DRAINAGE STRUCTURES30LFREMOVAL OF PAVEMENT MARKING124EAFRAME WITH TWO GRATES, STD111LFREMOVAL OF PAVEMENT MARKING TIEM24EAFRAME WITH GRATE & HOOD, STD840.01LFGENERIC PAVEMENT MARKING TIEM46EAFRAME WITH GRATE & HOOD, STD555EASNOWPLOWABLE PAVEMENT MARKING46EAFRAME WITH GRATE & HOOD, STD555LF8" WATER LINE47KAFRAME WITH GRATE & HOOD, STD985LF16" WATER LINE43EAFRAME WITH GRATE & HOOD, STD985LF16" WATER LINE43EAFRAME WITH GRATE & HOOD, STD985LF16" WATER LINE44EAFRAME WITH GRATE & HOOD, STD985	700	SY	GEOTEXTILE FOR SUBSURFACE	63 786	LF	PAINT PAVEMENT MARKING LINES
205CYSUBDRAIN FINE AGGREGATE132LFPAINT PAVEMENT MARKING LINES (8")120CYSUBDRAIN COARSE AGGREGATE132LFPAINT PAVEMENT MARKING LINES (8")1,900LF6" PERFORATED SUBDRAIN PIPE238LFPAINT PAVEMENT MARKING LINES (24")30LF6" OUTLET PIPE40EAPAINT PAVEMENT MARKING SYMBOL30LF6" OUTLET PIPE40EAPAINT PAVEMENT MARKING SYMBOL0.1CYPIPE COLLARS16,132LFREMOVAL OF PAVEMENT MARKING LINES (4")0.1CYPIPE PLUGS30LFREMOVAL OF PAVEMENT MARKING LINES (4")122EAMASONRY DRAINAGE STRUCTURES111LFREMOVAL OF PAVEMENT MARKING LINES (24")24EAFRAME WITH TWO GRATES, STD s40.05111LFREMOVAL OF PAVEMENT MARKING LINES (24", 90MILS)24EAFRAME WITH GRATE & HOOD, STD s40.03, TYPE **555EASNOWPLOWABLE PAVEMENT MARKING LINES (24", 90MILS)24EAFRAME WITH GRATE & HOOD, STD s40.03, TYPE **555LF8" WATER LINE WATER LINE24EAFRAME WITH GRATE & HOOD, STD s40.03, TYPE **555LF8' WATER LINE WATER LINE				05,700		
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5 EA SUBDRAIN PIPE OUTLET (24") 30 LF 6" OUTLET PIPE 40 EA PAINT PAVEMENT MARKING SYMBOL 0.5 CY PIPE COLLARS 16,132 LF REMOVAL OF PAVEMENT MARKING SYMBOL 0.1 CY PIPE PLUGS 30 LF REMOVAL OF PAVEMENT MARKING LINES (4") 122 EA MASONRY DRAINAGE STRUCTURES 30 LF REMOVAL OF PAVEMENT MARKING LINES (8") 9 LF MASONRY DRAINAGE STRUCTURES 30 LF REMOVAL OF PAVEMENT MARKING LINES (8") 24 EA FRAME WITH TWO GRATES, STD 800.1 111 LF REMOVAL OF PAVEMENT MARKING TIEM THERMOPLASTIC PAVEMENT MARKING TIEM THERMOPLASTIC PAVEMENT MARKING TIEM THEMOPLASTIC PAVEMENT MARKING TIEM THEMOPLASTIC PAVEMENT MARKING LINES (24"), 90MILS) 8 EA FRAME WITH GRATE & HOOD, STD 800.3, TYPE ** 555 EA SNOWPLOWABLE PAVEMENT MARKER 6 EA FRAME WITH GRATE & HOOD, STD 800.3, TYPE ** 555 LF 8" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 7,810 LB DUCTILE IRON WATER PIPE						
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840.16 840.16 840 LINES (24) 8 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 840 LF GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90MILS) 46 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 555 EA SNOWPLOWABLE PAVEMENT MARKER 355 43 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 985 LF 12" WATER LINE 43	24	EA		111	LF	
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840.03, TYPE ** IIIIES (24", 90MILS) (E) 555 46 EA FRAME WITH GRATE & HOOD, STD 555 840.03, TYPE ** 355 LF 8" WATER LINE (F) 355 43 EA FRAME WITH GRATE & HOOD, STD 985 840.03, TYPE ** 7,810 LB DUCTILE IRON WATER PIPE	8	ΕA	FRAME WITH GRATE & HOOD STD	840	LF	
(E) 555 EA SNOWPLOWABLE PAVEMENT MARKER 46 EA FRAME WITH GRATE & HOOD, STD 355 LF 8" WATER LINE 40 EA FRAME WITH GRATE & HOOD, STD 355 LF 8" WATER LINE (F) 355 LF 12" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE	0	LA				
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840.03, TYPE ** 555 LF 8 "WA IEK LINE (F) 355 LF 12" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE		P •		555	EA	SNOWPLOWABLE PAVEMENT MARKERS
840.03, TYPE ** 355 LF 12" WATER LINE (F) 355 LF 16" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE 43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE	46	EA		355	LF	8" WATER LINE
43 EA FRAME WITH GRATE & HOOD, STD 985 LF 16" WATER LINE 840.03, TYPE ** 7,810 LB DUCTILE IRON WATER PIPE						
440.03, TYPE ** 7,810 LB DUCTILE IRON WATER PIPE		_				
	43	ĒΑ				
(G) FITTINGS				7,810	LB	
			(G)			FITTINGS

6	EA	6" VALVE
1	EA	8" VALVE
6	EA	6" TAPPING SLEEVE & VALVE
3 2	EA EA	8" TAPPING SLEEVE & VALVE 12" TAPPING SLEEVE & VALVE
1	EA	2" AIR RELEASE VALVE
2	EA	RELOCATE WATER METER
1	EA	RELOCATE **" RPZ BACKFLOW PRE-
		VENTION ASSEMBLY (1")
1	EA	RELOCATE **" RPZ BACKFLOW PRE- VENTION ASSEMBLY
3	EA	(3/4") FIRE HYDRANT
13	EA	RELOCATE FIRE HYDRANT
243	LF	FIRE HYDRANT LEG
6	EA	16" LINE STOP
28	LF	WATER SERVICE LINE
644	LF	8" SANITARY GRAVITY SEWER
1,037 3	LF EA	8" FORCE MAIN SEWER SANITARY SEWER CLEAN-OUT
150	LF	SEWER SERVICE LINE
2,540	LB	DUCTILE IRON SEWER PIPE FITTINGS
4	EA	4' DIA UTILITY MANHOLE
1	EA	5' DIA UTILITY MANHOLE
10	LF	UTILITY MANHOLE WALL 4' DIA
3 189	LF LF	UTILITY MANHOLE WALL 5' DIA ABANDON 8" UTILITY PIPE
189	LF	ABANDON 8" UTILITY PIPE ABANDON 16" UTILITY PIPE
2	EA	ABANDON UTILITY MANHOLE
1	EA	REMOVE UTILITY MANHOLE
225	LF	16" ENCASEMENT PIPE
310	LF	24" ENCASEMENT PIPE
190	LF	BORE AND JACK OF **" (16")
225	LF	BORE AND JACK OF **" (24")
190	LF	DIRECTIONAL DRILLING OF **" (16")
160	LF	DIRECTIONAL DRILLING OF **" (8")
12,625	LF	TEMPORARY SILT FENCE
1,400 4,515	TON TON	STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL,
2,160	TON	CLASS B SEDIMENT CONTROL STONE
2,100	ACR	TEMPORARY MULCHING
1,500	LB	SEED FOR TEMPORARY SEEDING
8.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
560	LF LF	TEMPORARY SLOPE DRAINS SAFETY FENCE
1,000 5,000	CY	SAFETY FENCE SILT EXCAVATION
20,000	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
600	SY	PERMANENT SOIL REINFORCEMENT MAT
2,455	LF	1/4" HARDWARE CLOTH
170	LF	**" TEMPORARY PIPE (24")
2	EA	SPECIAL STILLING BASINS
970	LF	COIR FIBER WATTLE
1,685 1,075	LB LF	POLYACRYLAMIDE (PAM) COIR FIBER BAFFLE
1,075	EA	**" SKIMMER (1-1/2")
1	EA	(1-1/2 ⁻) **" SKIMMER (2-1/2")
20	ACR	SEEDING & MULCHING
10	ACR	MOWING
300	LB	SEED FOR REPAIR SEEDING
0.75 550	TON	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
550 16	LB TON	FERTILIZER TOPDRESSING
180	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
75	EA	RESPONSE FOR EROSION CONTROL
16	EA	CONCRETE WASHOUT STRUCTURE
0.1 150	ACR EA	REFORESTATION GENERIC EROSION CONTROL ITEM
		FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
50	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION
		DEVICE

	28	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
	16	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
	12	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
2.7	720	LF	MESSENGER CABLE (3/8")
	550	LF	PAVED TRENCHING (**********)
			(1, 2")
1,3	340	LF	UNPAVED TRENCHING (*********) (1, 2")
	40	LF	DIRECTIONAL DRILL (*********) (1, 2")
	27	EA	JUNCTION BOX (STANDARD SIZE)
	8	EA	WOOD POLE
	16	EA	GUY ASSEMBLY
	1	EA	1" RISER WITH WEATHERHEAD
	2	EA	2" RISER WITH WEATHERHEAD
3,4	410	LF	INDUCTIVE LOOP SAWCUT
10,2	200	LF	LEAD-IN CABLE (***********)
			(14-2)
	2	EA	SITE SURVEY
	7	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
	2	EA	EXTERNAL LOOP EMULATOR PRO- CESSING UNIT
	7	EA	RELOCATE CAMERA SENSOR UNIT
	2	EA	900MHZ SERIAL SPREAD SPECTRUM RADIO
	12	EA	METAL STRAIN SIGNAL POLE
	12	EA	SOIL TEST
	72	CY	DRILLED PIER FOUNDATION
	1	EA	METAL STRAIN POLE DESIGN
	5	EA	SIGN FOR SIGNALS
	3	EA	SIGNAL CABINET FOUNDATION
	3	EA	CONTROLLERS WITH CABINET (************************************
			(TYPE 2070LX, BASE MOUNTED)
	23	EA	DETECTOR CARD (*********) (TYPE 2070)
	3	EA	CABINET BASE EXTENDER
			****** BEGIN SCHEDULE AA ******
			******* (2 ALTERNATES) ******
Lump Su	um	LS	GRADING
- 4	184	TON	AGGREGATE BASE COURSE
	180	GAL	PRIME COAT
18,7	710	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
2,2	215	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***
Lump Su	ım	LS	GRADING
17,2		TON	AGGREGATE BASE COURSE
	190	GAL	PRIME COAT
10,3	510	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C

7,875 LF SIGNAL CABLE

CULVERT ITEMS

*** END SCHEDULE AA ***

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	ASBESTOS ASSESSMENT
Lump Sum	LS	CULVERT EXCAVATION, STA *****
		(55+67.00 -L-)
134	TON	FOUNDATION CONDITIONING MATER-
		IAL, BOX CULVERT
178.5	CY	CLASS A CONCRETE (CULVERT)
20,961	LB	REINFORCING STEEL (CULVERT)

1,840 TON ASPHALT BINDER FOR PLANT MIX

L200317 007

LENGTH = 0.605 MI

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

DIV OFFICE GREENSBORO

COUNTY :ALAMANCE

CONTRACT ID : C204352

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

50401.3.GV1

I-40/I-85 AND SR-1007 (MEBANE OAKS RD) IN MEBANE.

ROADWAY ITEMS

Lumn Sum	LS	MOBILIZATION
Lump Sum Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH
r ~		FILL, STATION ******
		(27+02.26 -L-)
950	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
500	CY	SELECT GRANULAR MATERIAL
1,500	SY	GEOTEXTILE FOR SOIL STABILIZA-
		TION
140	SF	TEMPORARY SHORING
50	TON	GENERIC GRADING ITEM
		HAULING & DISPOSAL OF PETRO- LEUM CONTAMINATED SOIL
430	TON	FOUNDATION CONDITIONING MATE-
		RIAL, MINOR STRUCTURES
1,800	SY	FOUNDATION CONDITIONING GEO-
0.60		TEXTILE
960 124	LF LF	15" SIDE DRAIN PIPE 18" SIDE DRAIN PIPE
280	LF	24" SIDE DRAIN PIPE
200	EA	**" SIDE DRAIN PIPE ELBOWS
0	1.11	(15")
44	LF	24" RC PIPE CULVERTS, CLASS
		III
1,648	LF	15" RC PIPE CULVERTS, CLASS IV
240	LF	18" RC PIPE CULVERTS, CLASS IV
584 2,034	LF LF	24" RC PIPE CULVERTS, CLASS IV PIPE REMOVAL
2,034	CY	SHALLOW UNDERCUT
650	TON	CLASS IV SUBGRADE STABILIZA-
		TION
1,000	TON	INCIDENTAL STONE BASE
21,400	SY	MILLING ASPHALT PAVEMENT, ***"
		DEPTH (1-1/2")
19,150	SY	MILLING ASPHALT PAVEMENT, ***"
.,		DEPTH
		(3")
2,110	SY	INCIDENTAL MILLING
7,100	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
4,800	TON	ASPHALT CONC INTERMEDIATE
		COURSE, TYPE I19.0C
5,700	TON	ASPHALT CONC SURFACE COURSE,
1 200	TON	TYPE \$9.5B
1,200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,100	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5D
1,145	TON	ASPHALT BINDER FOR PLANT MIX
120	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
1,000	TON	ASPHALT PLANT MIX, PAVEMENT
1,000	1010	REPAIR
6,900	LF	MILLED RUMBLE STRIPS (ASPHALT
		CONCRETE)
0.029	CY	PIPE PLUGS
56	EA	MASONRY DRAINAGE STRUCTURES MASONRY DRAINAGE STRUCTURES
2.4	LF EA	FRAME WITH TWO GRATES, STD
4	LA	840.****
		(840.15)
4	EA	FRAME WITH TWO GRATES, STD
1	EA	840.16 EPAME WITH TWO CRATES STD
1	сA	FRAME WITH TWO GRATES, STD 840.22
8	EA	FRAME WITH GRATE & HOOD, STD
		840.03, TYPE **
22	E 4	(E) ED AME WITH CD ATE & HOOD STD
22	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
		(F)

2

21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
3	EA	(G) CONCRETE TRANSITIONAL SECTION FOR DROP INLET
30	LF	**"X **" CONCRETE CURB (8" X 12")
7,920	LF	2'-6" CONCRETE CURB & GUTTER
2,260	SY	4" CONCRETE SIDEWALK
2,200	EA	CONCRETE CURB RAMPS
80	SY	6" CONCRETE DRIVEWAY
	SY	4" CONCRETE ISLAND COVER
140		
140	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
600	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
2	EA	CONCRETE BARRIER TRANSITION SECTION
140	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
1	EA	ADJUSTMENT OF CATCH BASINS
700	LF	STEEL BEAM GUARDRAIL
175	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
41	EA	EXTRA LENGTH GUARDRAIL POST (**' STEEL) (8')
5	EA	ADDITIONAL GUARDRAIL POSTS
3	EA	GUARDRAIL END UNITS, TYPE AT-1
2	EA	GUARDRAIL ANCHOR UNITS, TYPE
3	EA	III GUARDRAIL END UNITS, TYPE TL-3
2	EA	GUARDRAIL ANCHOR UNITS, TYPE
(05	LF	B-77
605		REMOVE EXISTING GUARDRAIL
700	LF	WOVEN WIRE FENCE, 47" FABRIC
35	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
20	EA	5" TIMBER FENCE POSTS, 8'-0"
28	EA	LONG
30	TON	RIP RAP, CLASS B
1,415	SY	GEOTEXTILE FOR DRAINAGE
2	CY	REINFORCED CONCRETE SIGN FOUN-
		DATIONS
1	CY	PLAIN CONCRETE SIGN FOUNDA- TIONS
36	CY	OVERHEAD FOOTING
1,886	LB	SUPPORTS, BREAKAWAY STEEL BEAM
317	LB	SUPPORTS, SIMPLE STEEL BEAM
900	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ****** (23+15 -L-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ******
	-	(30+75 -L-)
4	EA	SIGN ERECTION, TYPE D
51	EA	SIGN ERECTION, TYPE E
2	EA	SIGN ERECTION, TYPE F
4	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (A)
6	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
1	EA	(A) SIGN ERECTION, TYPE *** (GROUND MOUNTED)
1	EA	(B) SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED)
1	EA	(GM RESTAURANT LOGO SIGNS) DISPOSAL OF SIGN SYSTEM, OVER-
2	EA	HEAD DISPOSAL OF SIGN SYSTEM, STEEL
56	EA	BEAM DISPOSAL OF SIGN SYSTEM, U- CHANNEL
2	EA	DISPOSAL OF SIGN SYSTEM, WOOD

1 EA DISPOSAL OF SUPPORT, U-CHANNEL

155 LF ELECTRICAL DUCT, TYPE BD, SIZE *****

			15		(2")
460	SF	WORK ZONE SIGNS (STATIONARY)	45	LF	ELECTRICAL DUCT, TYPE JA, SIZE
624	SF	WORK ZONE SIGNS (PORTABLE)			(3")
142	SF	WORK ZONE SIGNS (BARRICADE	135	LF	ELECTRICAL DUCT, TYPE JA, SIZE
		MOUNTED)			****
6	EA	FLASHING ARROW BOARD			(4")
6	EA	PORTABLE CHANGEABLE MESSAGE	310	LF	** #2 W/G FEEDER CIRCUIT
		SIGN	(50)		
40	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	650	LF	** #4 W/G FEEDER CIRCUIT IN *****" CONDUIT
580	EA	DRUMS			(2, 1.5")
40	EA	SEQUENTIAL FLASHING WARNING	330	LF	** #2 W/G FEEDER CIRCUIT IN
40	LA	LIGHTS			*****" CONDUIT
60	EA	CONES			(2, 1.5")
96	LF	BARRICADES (TYPE III)	3	EA	ELECTRICAL JUNCTION BOXES
56	LF	PEDESTRIAN CHANNELIZING DE-			(IG18)
		VICES	3	EA	ELECTRICAL JUNCTION BOXES
480	DAY	FLAGGER	5	2	*****
7	EA	TEMPORARY CRASH CUSHIONS			(LS18)
3	EA	REMOVE & RESET TEMPORARY CRASH	Lump Sum	LS	PORTABLE LIGHTING
4	EA	CUSHION TMA	Lump Sum	LS	GENERIC LIGHTING ITEM
4 3,205	LF	PORTABLE CONCRETE BARRIER		Π.	LUMINAIRE STORAGE
1,150	LF	PORTABLE CONCRETE BARRIER	1	EA	GENERIC LIGHTING ITEM RELOCATE LIGHT STANDARD
1,150	LI	(ANCHORED)	1	EA	GENERIC LIGHTING ITEM
410	LF	REMOVE & RESET PORTABLE CONC-		2	REMOVE LIGHT STANDARD FOUNDA-
		RETE BARRIER (ANCHORED)			TION
6	EA	GENERIC TRAFFIC CONTROL ITEM	1	EA	GENERIC LIGHTING ITEM
		AUDIBLE WARNING DEVICES			REMOVE SINGLE ARM LIGHT STANDARD
1,500	EA	GENERIC TRAFFIC CONTROL ITEM	10	L E	
		PEDESTRIAN TRANSPORT SERVICE (PER TRIP)	10 325	LF LF	8" WATER LINE 12" WATER LINE
570	EA	TEMPORARY RAISED PAVEMENT	3,115	LB	DUCTILE IRON WATER PIPE
570	1.11	MARKERS	5,115	LD	FITTINGS
16,168	LF	THERMOPLASTIC PAVEMENT MARKING	1	EA	6" VALVE
		LINES (4", 90 MILS)	1	EA	8" VALVE
9,832	LF	THERMOPLASTIC PAVEMENT MARKING	4	EA	12" VALVE
		LINES (6", 90 MILS)	1	EA	**" TAPPING SLEEVE & VALVE
3,152	LF	THERMOPLASTIC PAVEMENT MARKING			(2")
1 250	LF	LINES (8", 90 MILS)	8	EA	RELOCATE WATER METER
1,259	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	2	EA	RECONNECT WATER METER
3	EA	THERMOPLASTIC PAVEMENT MARKING	3	EA	RELOCATE **" DCV BACKFLOW PRE-
		CHARACTER (90 MILS)			VENTION ASSEMBLY (1")
84	EA	THERMOPLASTIC PAVEMENT MARKING	3	EA	RELOCATE **" DCV BACKFLOW PRE-
		SYMBOL (90 MILS)	5	LA	VENTION ASSEMBLY
24	EA	HEATED-IN-PLACE THERMOPLASTIC			(2")
		PAVEMENT MARKING SYMBOL (90 MILS)	3	EA	RELOCATE FIRE HYDRANT
1,902	LF	COLD APPLIED PLASTIC PAVEMENT	80	LF	FIRE HYDRANT LEG
1,702		MARKING LINES, TYPE ** (4")	70	LF	**" WATER SERVICE LINE
		(II)			(1")
310	LF	COLD APPLIED PLASTIC PAVEMENT	95	LF	**" WATER SERVICE LINE
		MARKING LINES, TYPE ** (4")	10	LF	(2") 6" SANITARY GRAVITY SEWER
12	EA	(IV)	165	LF	8" SANITARY GRAVITY SEWER
12	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE **	3	EA	4' DIA UTILITY MANHOLE
		(II)	134	LF	ABANDON 8" UTILITY PIPE
2	EA	COLD APPLIED PLASTIC PAVEMENT	2	EA	REMOVE UTILITY MANHOLE
		MARKING SYMBOL, TYPE **	2	EA	GENERIC UTILITY ITEM
		(IV)	_		12" INSERT VALVE
33,600	LF	PAINT PAVEMENT MARKING LINES	7,270	LF	TEMPORARY SILT FENCE
33,000	LF	(4") PAINT PAVEMENT MARKING LINES	525	TON	STONE FOR EROSION CONTROL,
55,000	LI	(6")			CLASS A
1,820	LF	PAINT PAVEMENT MARKING LINES	420	TON	STONE FOR EROSION CONTROL,
		(8")			CLASS B
400	LF	PAINT PAVEMENT MARKING LINES		TON	SEDIMENT CONTROL STONE
		(12")	7		TEMPORARY MULCHING
730	LF	PAINT PAVEMENT MARKING LINES	500	LB	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
26	E.A.	(24") DA INTERA VENENTINA DIVING CHARAC	2.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
36	EA	PAINT PAVEMENT MARKING CHARAC- TER	200	LF	TEMPORARY SLOPE DRAINS
109	EA	PAINT PAVEMENT MARKING SYMBOL	200	LF	SAFETY FENCE
5,200	LF	REMOVAL OF PAVEMENT MARKING	550	CY	SILT EXCAVATION
5,200		LINES (4")	8,355	SY	MATTING FOR EROSION CONTROL
22,000	LF	REMOVAL OF PAVEMENT MARKING	2,890	LF	1/4" HARDWARE CLOTH
		LINES (6")	90	LF	COIR FIBER WATTLE
800	LF	REMOVAL OF PAVEMENT MARKING	60	LB	POLYACRYLAMIDE (PAM)
		LINES (8")	20	LF	COIR FIBER BAFFLE
120	LF	REMOVAL OF PAVEMENT MARKING	6	ACR	SEEDING & MULCHING
18	EA	LINES (24") REMOVAL OF PAVEMENT MARKING	6	ACR	MOWING
10	ĿА	SYMBOLS & CHARACTERS	100	LB	SEED FOR REPAIR SEEDING
4,183	LF	GENERIC PAVEMENT MARKING ITEM	0.25	TON	FERTILIZER FOR REPAIR SEEDING
.,		THERMOPLASTIC PAVEMENT MARKING	150	LB	SEED FOR SUPPLEMENTAL SEEDING
		LINES (24", 90 MILS)	4.5	TON	FERTILIZER TOPDRESSING
35	EA	PERMANENT RAISED PAVEMENT	10	MHR	SPECIALIZED HAND MOWING
100	F •	MARKERS	25	EA	RESPONSE FOR EROSION CONTROL
422	EA	SNOWPLOWABLE PAVEMENT MARKERS	12	EA	CONCRETE WASHOUT STRUCTURE
3	EA	STANDARD FOUNDATION ******** (TYPE R1)			
		· ····			

40	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
100	EA	GEVICE GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
35	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
23,800 104	LF EA	SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3
20	EA	SECTION) VEHICLE SIGNAL HEAD (12", 4
		SECTION)
7	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
8 1	EA EA	APS DETECTOR STATION CENTRAL CONTROL UNIT APS
050		DETECTOR STATION
950 5 200	LF LF	MESSENGER CABLE (1/4") MESSENGER CABLE (3/8")
5,300 2,500	LF	TRACER WIRE
375	LF	PAVED TRENCHING (**********)
2,225	LF	(1, 2") UNPAVED TRENCHING (*********) (1, 2")
1,400	LF	(1, 2") UNPAVED TRENCHING (*********)
100	LF	(2, 2") UNPAVED TRENCHING (*********)
75	LF	(3, 2") DIRECTIONAL DRILL (*********)
1,150	LF	(1, 2") DIRECTIONAL DRILL (*********)
48	EA	(2, 2") JUNCTION BOX (STANDARD SIZE)
20	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
19	EA	WOOD POLE
41	EA	GUY ASSEMBLY
2	EA	1/2" RISER WITH WEATHERHEAD
5	EA	1" RISER WITH WEATHERHEAD
22	EA	2" RISER WITH WEATHERHEAD
5	EA	HEAT SHRINK TUBING RETROFIT KIT
3	EA	2" RISER WITH HEAT SHRINK TUBING
7,025	LF	INDUCTIVE LOOP SAWCUT
31,375	LF	LEAD-IN CABLE (**********) (14-2)
5	EA	SITE SURVEY
17	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
5	EA	EXTERNAL LOOP EMULATOR PRO- CESSING UNIT
23 5.425	EA LF	RELOCATE CAMERA SENSOR UNIT COMMUNICATIONS CABLE (**FIBER)
5,425	Li	(12)
450	LF	DROP CABLE
5	EA	SPLICE ENCLOSURE
3	EA	MODIFY SPLICE ENCLOSURE
6	EA	INTERCONNECT CENTER
11 8	EA EA	DELINEATOR MARKER 900MHZ SERIAL/ETHERNET SPREAD
0	EA	SPECTRUM RADIO
1 3,175	EA LF	MODIFY RADIO INSTALLATION REMOVE EXISTING COMMUNICATIONS
		CABLE
1	EA	CABLE TRANSFER
20	EA	METAL STRAIN SIGNAL POLE
20	EA	SOIL TEST
120	CY	DRILLED PIER FOUNDATION
61	EA	SIGN FOR SIGNALS
17	EA	TYPE I POST WITH FOUNDATION
15	EA	TYPE II PEDESTAL WITH FOUND- ATION
1	EA	RELOCATE EXISTING SIGN
8	EA	SIGNAL CABINET FOUNDATION
35	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION
9	EA	CONTROLLERS WITH CABINET (************************************
	-	(TYPE 2070LX, BASE MOUNTED)
83	EA	DETECTOR CARD (TYPE 170)
9 1	EA EA	CABINET BASE EXTENDER METAL POLE FOUNDATION REMOVAL
1	EA EA	METAL POLE FOUNDATION REMOVAL METAL POLE REMOVAL
9	EA EA	GENERIC SIGNAL ITEM
7	LA	ETHERNET EDGE SWITCH
6	EA	GENERIC SIGNAL ITEM

6 EA GENERIC SIGNAL ITEM JUNCTION BOX MARKER

8	EA	GENERIC SIGNAL ITEM REMOVE RADIO INSTALLATION
425	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE
		WALL ITEMS
1,160	SF	MSE RETAINING WALL NO **** (1)
		STRUCTURE ITEMS
65	LF	3'-6" DIA DRILLED PIERS IN SOIL
124	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
3	EA	SID INSPECTIONS
6	EA	SPT TESTING
3	EA	CSL TESTING
15,562	SF	REINFORCED CONCRETE DECK SLAB
25,401.6	SF	GROOVING BRIDGE FLOORS
297.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
50 50 f		(27+02.26 -L-)
52,536 911	LB LB	REINFORCING STEEL (BRIDGE) EPOXY COATED REINFORCING STEEL (BRIDGE)
7,630	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
441,500	LS	APPROX LBS STRUCTURAL STEEL
16	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
360	LF	HP12X53 STEEL PILES
16	EA	STEEL PILE POINTS
422.5	LF	THREE BAR METAL RAIL
422.3	LF	**" CHAIN LINK FENCE
427.05	LI	(104")
635	SY	4" SLOPE PROTECTION
4.2	SY	CLASS II, SURFACE PREPARATION
Lump Sum	LS	ELASTOMERIC BEARINGS
6.4	CF	SHOTCRETE REPAIRS
112	LF	EPOXY RESIN INJECTION
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA********************************
62.1	CY	GENERIC STRUCTURE ITEM POLYESTER POLYMER CONCRETE MATERIALS
647.4	SF	GENERIC STRUCTURE ITEM EPOXY COATING
4.2	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR POLY-
2,234.5	SY	ESTER POLYMER CONCRETE OVERLAY GENERIC STRUCTURE ITEM PLACING & FINISHING POLYESTER POLYMER CONCRETE OVERLAY
1,464.5	SY	POLYMER CONCRETE OVERLAY GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
2,234.5	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

DIV OFFICE ALBEMARLE

L200317 008

LENGTH = 13.920 MI

COUNTY :MECKLENBURG, CABARRUS

CONTRACT ID : C204363

PAVEMENT AND STRUCTURE REHABILITATION.

DBE GOAL 9.0% COMPLETION DATE : JUL 15 2021

I-85 FROM US-29 BYPASS CONNECTOR TO MALLARD CREEK CHURCH ROAD.

50469.3.GV1

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
120 107	CY CY	UNDERCUT EXCAVATION BORROW EXCAVATION
107	SY	GEOTEXTILE FOR SOIL STABILIZA-
		TION
1.46	SMI	SHOULDER RECONSTRUCTION
51,829	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
9,142	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (2")
450	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (7")
113	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
85	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
5,919	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
10	TON	ASPHALT BINDER FOR PLANT MIX
340	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
94,952	LB	SEALING EXISTING PAVEMENT CRACKS & JOINTS
120	SY	REPAIR OF JOINTED CONCRETE PAVEMENT SLABS
90	TON	SELECT MATERIAL, CLASS IV
2,400	SF	PATCHING CONCRETE PAVEMENT SPALLS
128,110	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
469,200	LF	GENERIC PAVING ITEM JOINT CONSTRUCTION, REPAIR & SEALING
1,756	SF	WORK ZONE SIGNS (STATIONARY)
6	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
14	EA	WORK ZONE PRESENCE LIGHTING
36	EA	SEQUENTIAL FLASHING WARNING LIGHTS
2,848	HR	LAW ENFORCEMENT
150	EA	GENERIC TRAFFIC CONTROL ITEM DOUBLE LANE CLOSURE
55	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE DETOUR
50	EA	GENERIC TRAFFIC CONTROL ITEM SINGLE LANE CLOSURE
100	EA	GENERIC TRAFFIC CONTROL ITEM TRIPLE LANE CLOSURE
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,442	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
52	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
40	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
37	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,000	LF	(90 MILS) COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
34,781	LF	PAINT PAVEMENT MARKING LINES (6")
300	LF	PAINT PAVEMENT MARKING LINES (8")
1,442	LF	PAINT PAVEMENT MARKING LINES (12")
117	LF	PAINT PAVEMENT MARKING LINES (24")
66 107,051	EA LF	PAINT PAVEMENT MARKING SYMBOL POLYUREA PAVEMENT MARKING LINES (6" 20 MILS)

LINES (6", 20 MILS)

11,740	LF	LINES (12", 20 MILS)
153,346	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
13,280	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
67	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
45,356	LF	GENERIC PAVEMENT MARKING ITEM 9° COLD APPLIED PLASTIC PAVE- MENT MARK- -ING LINES TYPE II (WHITE ON BLACK)
34,781	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) (HRM)
135	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
14,185	EA	GENERIC PAVEMENT MARKING ITEM NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
Lump Sum	LS	PORTABLE LIGHTING
330	LF	TEMPORARY SILT FENCE
100	LF	SAFETY FENCE
255	SY	MATTING FOR EROSION CONTROL
350	LF	WATTLE
0.1	ACR	SEEDING & MULCHING
2	EA	CONCRETE WASHOUT STRUCTURE
3,025	LF	INDUCTIVE LOOP SAWCUT

11 740 LE POLVUREA PAVEMENT MARKING

STRUCTURE ITEMS

0.7	CF	SHOTCRETE REPAIRS
Lump Sum	LS	GENERIC STRUCTURE ITEM
		REPAIR OF EXISTING DECK DRAINS
238	LF	GENERIC STRUCTURE ITEM
		FOAM JOINT SEALS FOR PRESERVA-
		TION
59.5	CF	GENERIC STRUCTURE ITEM
		ELASTOMERIC CONCRETE FOR PRE-
		SERVATION
238	SF	GENERIC STRUCTURE ITEM
		BRIDGE JOINT DEMOLITION
5	SF	GENERIC STRUCTURE ITEM
		CONCRETE DECK REPAIR FOR
		SILANE DECK TREATMENT
1,031	SF	GENERIC STRUCTURE ITEM
		EPOXY COATING
1,244	SF	GENERIC STRUCTURE ITEM
		EPOXY COATING CONCRETE GIRDER
		ENDS
4,353	SY	GENERIC STRUCTURE ITEM
		SHOTBLASTING BRIDGE DECK

4,353 SY GENERIC STRUCTURE ITEM SILANE DECK TREATMENT

CONTRACT ID : C204356 34518.3.8

DIV OFFICE NORTH WILKESBORO

L200317 009 LENGTH = 3.537 MI

COUNTY :ASHE

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

DBE GOAL 8.0% COMPLETION DATE : MAR 29 2024

US-221 FROM US-221 BYPASS TO US-221 BUSINESS/NC-88 IN JEFFERSON.

		ROADWAY ITEMS	4	EA	**" CS PIPE ELBOWS, *****" THICK
			2	EA	(36", 0.079") **" CS PIPE ELBOWS, *****"
Lump Sum	LS LS	MOBILIZATION			THICK
Lump Sum Lump Sum	LS	CONSTRUCTION SURVEYING CLEARING & GRUBBING ACRE(S)	4	EA	(42", 0.109") **" CS PIPE ELBOWS, *****"
2 Lump Sum	ACR		4	LA	THICK
		BING			(6", 0.064")
220,830	CY	UNCLASSIFIED EXCAVATION	2	EA	**" CS PIPE ELBOWS, *****" THICK
2,400	CY	UNDERCUT EXCAVATION			(60", 0.138")
35,080 18,200	CY CY	BORROW EXCAVATION DRAINAGE DITCH EXCAVATION	92	LF	**" WELDED STEEL PIPE, ****"
400	LF	BERM DITCH CONSTRUCTION			THICK, GRADE B IN SOIL
32,700	SY	REMOVAL OF EXISTING ASPHALT	92	LF	(30", 0.500") **" WELDED STEEL PIPE, ****"
810	SY	PAVEMENT BREAKING OF EXISTING ASPHALT			THICK, GRADE B NOT IN SOIL (30", 0.500")
20	HR	PAVEMENT PROOF ROLLING	567	LF	GENERIC PIPE ITEM 24" PIPE REHABILITATION CIPP
2,000	CY	SELECT GRANULAR MATERIAL			LINER
7,150	SY	GEOTEXTILE FOR SOIL STABILIZA-	180	LF	GENERIC PIPE ITEM
		TION			30" PIPE REHABILITATION CIPP LINER
16,000	SF	TEMPORARY SHORING	440	LF	GENERIC PIPE ITEM
3,900 1,750	SY TON	ROCK PLATING FOUNDATION CONDITIONING MATE-		1.1	36" PIPE REHAB CEMENTITIOUS/
1,750	ION	RIAL, MINOR STRUCTURES			GEOPOLYMER SPRAY LINER
5,500	SY	FOUNDATION CONDITIONING GEO-	317	LF	GENERIC PIPE ITEM 48" PIPE REHAB CEMENTITIOUS/
100	LF	TEXTILE 15" DRAINAGE PIPE			GEOPOLYMER SPRAY LINER
28	LF	18" DRAINAGE PIPE	698	LF	GENERIC PIPE ITEM 66" PIPE REHAB CEMENTITIOUS/
6,992	LF	15" RC PIPE CULVERTS, CLASS			GEOPOLYMER SPRAY LINER
		Ш	2,202	LF	GENERIC PIPE ITEM
1,140	LF	18" RC PIPE CULVERTS, CLASS III			PRE INSTALLATION INSPECTION
1,768	LF	24" RC PIPE CULVERTS, CLASS	1,882	LF	PIPE REMOVAL
1,700		Ш	Lump Sum 46,500	LS SY	FINE GRADING LIME TREATED SOIL (SLURRY
2,060	LF	30" RC PIPE CULVERTS, CLASS III			METHOD)
20	LF	36" RC PIPE CULVERTS, CLASS III	560 250	TON CY	LIME FOR LIME TREATED SOIL SHALLOW UNDERCUT
1,244	LF	42" RC PIPE CULVERTS, CLASS	500	TON	CLASS IV SUBGRADE STABILIZA- TION
520	LE		500	TON	STABILIZER AGGREGATE
520	LF	60" RC PIPE CULVERTS, CLASS III	23,700	SY	GEOTEXTILE FOR PAVEMENT STA- BILIZATION
64	LF	66" RC PIPE CULVERTS, CLASS III	54,115	TON	AGGREGATE BASE COURSE
72	LF	18" RC PIPE CULVERTS, CLASS IV	46,500	SY	SOIL CEMENT BASE
196	LF	30" RC PIPE CULVERTS, CLASS IV	1,310	TON	PORTLAND CEMENT FOR SOIL CE- MENT BASE
380	LF	42" RC PIPE CULVERTS, CLASS IV	13,950	GAL	ASPHALT CURING SEAL
32	LF	6" CS PIPE CULVERTS, 0.064" THICK (SPRING BOX)	500	TON	INCIDENTAL STONE BASE
40	LF	**" CS PIPE CULVERTS, *****"	1,900	SY	MILLING ASPHALT PAVEMENT, ***"
		THICK (36", 0.079")			DEPTH (1-1/2")
36	LF	**" CS PIPE CULVERTS, *****"	2,610	SY	INCIDENTAL MILLING
		THICK	18,640	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
96	LF	(42", 0.109") **" CS PIPE CULVERTS, *****"	31,745	TON	ASPHALT CONC INTERMEDIATE
20	LI	THICK			COURSE, TYPE I19.0C
		(60", 0.138")	25,915	TON	ASPHALT CONC SURFACE COURSE,
472	LF	15" CS PIPE CULVERTS, 0.064" THICK	3,875	TON	TYPE S9.5C ASPHALT BINDER FOR PLANT MIX
268	LF	18" CS PIPE CULVERTS, 0.064"	1,888	TON	ASPHALT BINDER FOR FLANT MIX ASPHALT PLANT MIX, PAVEMENT
		THICK	-,		REPAIR
536	LF	24" CS PIPE CULVERTS, 0.064" THICK	13 26	EA EA	RIGHT-OF-WAY MARKERS CONTROL-OF-ACCESS MARKERS
224	LF	30" CS PIPE CULVERTS, 0.079"	3,461	CY	SUBDRAIN EXCAVATION
		THICK	7,300	SY	GEOTEXTILE FOR SUBSURFACE
16	EA	**" CS PIPE ELBOWS, *****" THICK	504	СҮ	DRAINS SUBDRAIN FINE AGGREGATE
	_	(15", 0.064")	504	CY	SUBDRAIN FINE AGGREGATE
6	EA	**" CS PIPE ELBOWS, *****" THICK	10,300	LF	6" PERFORATED SUBDRAIN PIPE
		(18", 0.064")	21	EA	SUBDRAIN PIPE OUTLET
18	EA	**" CS PIPE ELBOWS, *****"	126	LF	6" OUTLET PIPE
		THICK (24", 0.064")	20	TON	BLOTTING SAND
10	EA	(24, 0.004) **" CS PIPE ELBOWS, *****"	18	CY	ENDWALLS
		THICK	16.8 1.76	CY CY	REINFORCED ENDWALLS PIPE COLLARS
		(30", 0.079")	468	CY	FLOWABLE FILL

147	EA	MASONRY DRAINAGE STRUCTURES
30.83	CY	MASONRY DRAINAGE STRUCTURES
218	LF	MASONRY DRAINAGE STRUCTURES
17	EA	FRAME WITH TWO GRATES, STD
		840.16
44	EA	FRAME WITH TWO GRATES, STD
		840.20
48	EA	FRAME WITH TWO GRATES, STD
		840.22
5	EA	FRAME WITH GRATE & HOOD, STD
		840.03, TYPE **
		(F)
3	EA	FRAME WITH GRATE & HOOD, STD
		840.03, TYPE **
		(G)
24	EA	FRAME WITH COVER, STD 840.54
17	EA	CONCRETE TRANSITIONAL SECTION
		FOR DROP INLET
1	EA	**" SLUICE GATE
		(8")
1	EA	GENERIC DRAINAGE ITEM
		6" PVC CLEANOUTS
1	EA	GENERIC DRAINAGE ITEM
		REBAR TRASH RACK
1	EA	GENERIC DRAINAGE ITEM
-		REMOVEABLE ORIFICE TRASH RACK
50	LF	GENERIC DRAINAGE ITEM
50		6" PIPE - PERFORATED WITH
		FILTER SOCK
6	TON	GENERIC DRAINAGE ITEM
0		WASHED #57 STONE
3.3	CY	GENERIC DRAINAGE ITEM
5.5	01	ANTI-FLOTATION CONCRETE
2	CY	GENERIC DRAINAGE ITEM
2	CI	ENGINEERED SOIL MEDIA
14,860	LF	**'-**" CONCRETE CURB & GUTTER
14,800	LF	(2'-9")
1.550	LE	
1,550	LF	2'-6" CONCRETE CURB & GUTTER
6,680	LF	SHOULDER BERM GUTTER
250	SY	4" CONCRETE SIDEWALK
2	EA	CONCRETE CURB RAMPS
166	SY	4" CONCRETE PAVED DITCH
3,300	SY	5" MONOLITHIC CONCRETE ISLANDS
		(KEYED IN)
1,690	LF	PRECAST REINFORCED CONCRETE
-,		BARRIER, SINGLE FACED
1	EA	ADJUSTMENT OF MANHOLES
1	EA	ADJUSTMENT OF METER BOXES OR
1	EA	VALVE BOXES
1	EA	CONVERT EXISTING CATCH BASIN
1	EA	TO DROP INLET
1	E.A.	CONVERT EXISTING DROP INLET TO
1	EA	JUNCTION BOX WITH MANHOLE
15.075		
15,075	LF	STEEL BEAM GUARDRAIL
762.5	LF	STEEL BEAM GUARDRAIL, SHOP
		CURVED
1	EA	25' CLEAR SPAN GUARDRAIL SEC-
		TIONS
15	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL END UNITS, TYPE AT-1
13	EA	GUARDRAIL END UNITS, TYPE
		CAT-1
10	EA	GUARDRAIL END UNITS, TYPE TL-3
7	EA	GUARDRAIL END UNITS, TYPE TL-2
2	EA	GUARDRAIL ANCHOR UNITS, TYPE
		B-77
10,820	LF	REMOVE EXISTING GUARDRAIL
1,700	LF	TEMPORARY STEEL BEAM GUARDRAIL
3	EA	TEMPORARY GUARDRAIL END UNITS,
5	57	TYPE ****
		(TL-3)
1	EA	GENERIC GUARDRAIL ITEM
1		TEMPORARY GUARDRAIL END UNITS,
		TYPE CAT-1
6,400	LF	WOVEN WIRE FENCE, 47" FABRIC
370	EA	4" TIMBER FENCE POSTS, 7'-6"
510		LONG
96	EA	5" TIMBER FENCE POSTS, 8'-0"
70	54	LONG
100	LF	ADDITIONAL BARBED WIRE
1,345	TON	RIP RAP, CLASS I
115	TON	RIP RAP, CLASS II
2,685	TON	RIP RAP, CLASS B
11,205	SY	GEOTEXTILE FOR DRAINAGE
1	CY	PLAIN CONCRETE SIGN FOUNDA-
		TIONS
492	LB	SUPPORTS, BREAKAWAY STEEL BEAM
1,695	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
6	EA	SIGN ERECTION, TYPE D
70	EA	SIGN ERECTION, TYPE E
70	ĽА	SIGN ERECTION, I IFE E

16 2	EA EA	SIGN ERECTION, TYPE F SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
5	EA	SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED)
3	EA	(D) SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED)
58	EA	(E) DISPOSAL OF SIGN SYSTEM, U- CHANNEL
7	EA	DISPOSAL OF SIGN SYSTEM, WOOD
5	EA	DISPOSAL OF SUPPORT, U-CHANNEL
550 384	SF SF	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)
215	SF	WORK ZONE SIGNS (FOR TABLE)
210	51	MOUNTED)
3 4	EA EA	FLASHING ARROW BOARD PORTABLE CHANGEABLE MESSAGE SIGN
718	EA	DRUMS
718	EA	CONES
160	LF	BARRICADES (TYPE III)
240 18	DAY EA	FLAGGER TEMPORARY CRASH CUSHIONS
25	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
2	EA	TMA
8,990 9,160	LF LF	PORTABLE CONCRETE BARRIER REMOVE & RESET PORTABLE CONC-
2,100		RETE BARRIER
800	HR	LAW ENFORCEMENT
500	EA	SKINNY DRUM
46 1,302	EA EA	TUBULAR MARKERS (FIXED) TEMPORARY RAISED PAVEMENT
1,502	LA	MARKERS
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
675	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
97	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
446,770	LF	PAINT PAVEMENT MARKING LINES (4")
1,418	LF	PAINT PAVEMENT MARKING LINES (8")
23,060	LF	PAINT PAVEMENT MARKING LINES (12")
2,388	LF	PAINT PAVEMENT MARKING LINES (24")
32	EA	PAINT PAVEMENT MARKING CHARAC- TER
324 81,782	EA LF	PAINT PAVEMENT MARKING SYMBOL POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
2,698	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
70,440	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
978	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
6,405	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
442 94	LF EA	REMOVAL OF PAVEMENT MARKING LINES (24") REMOVAL OF PAVEMENT MARKING
94	ĽA	SYMBOLS & CHARACTERS
428	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
1,302	EA	SNOWPLOWABLE PAVEMENT MARKERS
12	LF	**" WATER LINE
16	LE	(1") 2" WATED LINE
46 2,928	LF LF	2" WATER LINE 6" WATER LINE
384	LF	10" WATER LINE
3,310	LB	DUCTILE IRON WATER PIPE
1	EA	FITTINGS 2" VALVE
1	EA EA	2" VALVE 6" VALVE
2	EA	FIRE HYDRANT
1	EA	RELOCATE FIRE HYDRANT
47	LF	FIRE HYDRANT LEG
12	LF	WATER SERVICE LINE ABANDON 6" UTILITY PIPE
2,517 324	LF LF	ABANDON 6" UTILITY PIPE ABANDON 10" UTILITY PIPE
324	EA	REMOVE FIRE HYDRANT
781	LF	12" ENCASEMENT PIPE
173	LF	24" ENCASEMENT PIPE

- 47,485 LF TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, 1,750 TON CLASS A 14,460 TON STONE FOR EROSION CONTROL, CLASS B 5.970 TON SEDIMENT CONTROL STONE 113 ACR TEMPORARY MULCHING 5,500 LB SEED FOR TEMPORARY SEEDING 29 TON FERTILIZER FOR TEMPORARY SEED-ING 4,470 TEMPORARY SLOPE DRAINS LF 24,460 LF SAFETY FENCE 37.050 CY SILTEXCAVATION 234,250 SY MATTING FOR EROSION CONTROL 1,860 SY COIR FIBER MAT 10,400 SY PERMANENT SOIL REINFORCEMENT MAT 5,155 LF 1/4" HARDWARE CLOTH **" TEMPORARY PIPE 35 LF (15")**" TEMPORARY PIPE 25 LF (18'')**" TEMPORARY PIPE 110 LF (36") FLOATING TURBIDITY CURTAIN 95 SY 58 CY STILLING BASINS 140 LF WATTLE 2,660 LF COIR FIBER WATTLE 8,800 LF WATTLE BARRIER POLYACRYLAMIDE (PAM) 3.690 LB 5,800 LF COIR FIBER BAFFLE 23 EA **" SKIMMER (1-1/2")**" SKIMMER EA 6 (2") **" SKIMMER EA 3 (2.5") **" SKIMMER EA 1 (3") 78 ACR SEEDING & MULCHING 69 ACR MOWING SEED FOR REPAIR SEEDING 1.150 LB 3 TON FERTILIZER FOR REPAIR SEEDING 1,850 LB SEED FOR SUPPLEMENTAL SEEDING 55 TON FERTILIZER TOPDRESSING 100 LF IMPERVIOUS DIKE 10 MHR SPECIALIZED HAND MOWING 100 EA RESPONSE FOR EROSION CONTROL 11 EA CONCRETE WASHOUT STRUCTURE 0.1 ACR REFORESTATION GENERIC EROSION CONTROL ITEM 9 EA DEWATERING 2 EA PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN) 6,330 LF SIGNAL CABLE 46 EA VEHICLE SIGNAL HEAD (12", 3 SECTION) VEHICLE SIGNAL HEAD (12", 4 4 EA SECTION) 6 EA VEHICLE SIGNAL HEAD (12", 5 SECTION) MESSENGER CABLE (3/8") 2,780 LF UNPAVED TRENCHING (*********) 3,100 LF (1, 2")30 LF UNPAVED TRENCHING FOR TEMP-ORARY LEAD-IN DIRECTIONAL DRILL (*********) 70 LF (1, 2")34 EA JUNCTION BOX (STANDARD SIZE) 6 EA WOOD POLE 14 EA GUY ASSEMBLY 2" RISER WITH WEATHERHEAD 5 EA 3.940 LF INDUCTIVE LOOP SAWCUT 15,390 LF LEAD-IN CABLE (***********) (14-2)4 EA SITE SURVEY 7 EA LUMINAIRE ARM FOR VIDEO SYSTEM CAMERA WITHOUT INTERNAL LOOP 18 EA EMULATOR PROCESSING UNIT 4 EA EXTERNAL LOOP EMULATOR PRO-CESSING UNIT RELOCATE CAMERA SENSOR UNIT 27 EA
 - 27
 EA
 RELOCATE CAMERA SENSOR UN

 12
 EA
 METAL STRAIN SIGNAL POLE
 - 12 EA SOIL TEST
 - 96 CY DRILLED PIER FOUNDATION
 - 2 EA SIGN FOR SIGNALS
 - 1 EA TYPE I POST WITH FOUNDATION
 - 26 EA DETECTOR CARD (TYPE 170)

- 3 EA CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
- 3 EA CABINET BASE EXTENDER

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ****** (838+56.00 -L-)
202	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
245.9	CY	CLASS A CONCRETE (CULVERT)
33,075	LB	REINFORCING STEEL (CULVERT)

WALL ITEMS

17,080	SF	GENERIC RETAINING WALL ITEM
		ARCHITECTURAL SURFACE
		TREATMENT (SOUND BARRIER WALL)
20,100	SF	GENERIC RETAINING WALL ITEM
		SOUND BARRIER WALL NW7B