



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION

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
  - 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.**
  - **Create new Digital ID and request to be able to bid with NCDOT – Divisions.**
  - **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](mailto:jakincaid@ncdot.gov) or 919-707-6920.

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



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

DocuSigned by:  
*Ronald E. Davenport, Jr.*  
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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.

*Mailing Address:*  
NC DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION UNIT  
1543 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1543

*Telephone:* (919) 707-2400  
*Fax:* (919) 733-8441  
*Customer Service:* 1-877-368-4968

*Website:* www.ncdot.gov

*Location:*  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH, NC 27601



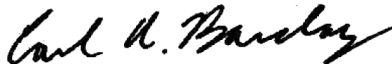
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

November 15, 2017

NOTICE TO: All Prequalified Contractors

FROM: Carl Barclay, PE   
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 [cbarclay@ncdot.gov](mailto:cbarclay@ncdot.gov) or (919) 707-6982.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
UTILITIES UNIT  
1555 MAIL SERVICE CENTER  
RALEIGH NC 27699-1555

TELEPHONE: 919-707-6690  
FAX: 919-250-4151  
CUSTOMER SERVICE: 1-877-368-4968

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

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

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

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

<b><u>DIV NO.</u></b>	<b><u>DIVISION ENGINEER</u></b>	<b><u>LOCATION</u></b>	<b><u>TOWN</u></b>	<b><u>TELEPHONE</u></b>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	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 =====

**Bid Letting Number** L200317

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
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

L200317 001

CONTRACT ID : C204354 47977.3.3

DIV OFFICE EDENTON

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,
		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
		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
		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
		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
24	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



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L200317 002

CONTRACT ID : C204344 50198.3.1

DIV OFFICE EDENTON

LENGTH = 4.392 MI

COUNTY : PERQUIMANS

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).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
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 PAVEMENT
5,000	CY	SELECT GRANULAR MATERIAL, CLASS III
640	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
1,990	SY	FOUNDATION CONDITIONING GEOTEXTILE
52	LF	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", V)
80	LF	24" RC PIPE CULVERTS, CLASS III
96	LF	***** RC PIPE CULVERTS, CLASS IV (48")
928	LF	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	SY	INCIDENTAL MILLING
5,370	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,100	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
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	TON	RIP RAP, CLASS B
1,680	SY	GEOTEXTILE FOR DRAINAGE
514	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
92,780	LF	THERMOPLASTIC PAVEMENT MARKING 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	LF	6" WATER LINE
22,689	LF	8" WATER LINE
826	LF	10" WATER 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 SEEDING
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 MATERIAL, 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

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L200317 003

CONTRACT ID : C204523 38430.3.1

DIV OFFICE GREENVILLE

LENGTH = 0.104 MI

COUNTY :PITT

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

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 & GRUBBING
300	CY	UNDERCUT EXCAVATION
300	CY	SELECT GRANULAR MATERIAL
300	SY	GEOTEXTILE FOR SOIL STABILIZATION
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
40	SY	FOUNDATION CONDITIONING GEOTEXTILE
56	LF	15" RC PIPE CULVERTS, CLASS IV
64	LF	15" CS PIPE CULVERTS, 0.064" THICK
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
100	TON	INCIDENTAL STONE BASE
630	SY	INCIDENTAL MILLING
190	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
265	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
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	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
4	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.29
66	LF	SHOULDER BERM GUTTER
50	LF	STEEL BEAM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	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 SEEDING
200	LF	TEMPORARY SLOPE DRAINS
800	LF	SAFETY FENCE
10	CY	SILT EXCAVATION
1,500	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
110	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	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.25	TON	FERTILIZER TOPDRESSING

10	MHR	SPECIALIZED HAND MOWING
19	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

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 EXCAVATION 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 (HP 12 X 53)
16	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 CORED SLABS
276.5	LF	GENERIC STRUCTURE ITEM FIBER OPTIC CONDUIT SYSTEM

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L200317 004

CONTRACT ID : C204131 38979.3.1

DIV OFFICE WILSON

LENGTH = 1.546 MI

COUNTY : WAYNE

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.

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				
		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 840.16
		1	EA	FRAME WITH TWO GRATES, STD 840.24
		27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
		51	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
		55	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
		11	EA	FRAME WITH COVER, STD 840.54
		13	EA	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	***L*** 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	EA	ADJUSTMENT OF DROP INLETS
		1	EA	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 (E)
		384	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)
		1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
		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) (A)
		1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
		1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
Lump Sum	LS			MOBILIZATION
Lump Sum	LS			CONSTRUCTION SURVEYING
127	EA			GENERIC MISCELLANEOUS ITEM REMOVE WOOD POLE
Lump Sum	LS			CLEARING & GRUBBING .. ACRE(S)
1	ACR			SUPPLEMENTARY CLEARING & GRUBBING
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 STABILIZATION
410	SF			TEMPORARY SHORING
300	TON			GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL
2,200	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
6,400	SY			FOUNDATION CONDITIONING GEOTEXTILE
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 III
56	LF			42" RC PIPE CULVERTS, CLASS III
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	EA			PIPE CLEAN OUT
Lump Sum	LS			FINE GRADING
500	CY			SHALLOW UNDERCUT
1,000	TON			CLASS IV SUBGRADE STABILIZATION
2,633	TON			AGGREGATE BASE COURSE
800	TON			INCIDENTAL STONE BASE
5,350	SY			MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
2,060	SY			INCIDENTAL MILLING
19,850	TON			ASPHALT CONC BASE COURSE, TYPE B25.0C
16,960	TON			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
14,430	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,675	TON			ASPHALT BINDER FOR PLANT MIX
1,840	TON			ASPHALT PLANT MIX, PAVEMENT REPAIR
335	TON			PATCHING EXISTING PAVEMENT
896	CY			SUBDRAIN EXCAVATION

			2	EA	RELOCATE 2" RPZ BACKFLOW PREVENTION 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
			8	EA	4' DIA UTILITY MANHOLE
			11	LF	UTILITY MANHOLE WALL 4' DIA
			3,004	LF	ABANDON 6" UTILITY PIPE
			1,437	LF	ABANDON 8" UTILITY PIPE
			6,255	LF	ABANDON 10" UTILITY PIPE
			2,505	LF	ABANDON 12" UTILITY PIPE
			851	LF	ABANDON 16" UTILITY PIPE
			18	EA	REMOVE WATER METER
			2	EA	ABANDON UTILITY MANHOLE
			194	LF	12" ENCASEMENT PIPE
			90	LF	16" ENCASEMENT PIPE
			494	LF	20" ENCASEMENT PIPE
			330	LF	24" ENCASEMENT PIPE
			194	LF	BORE AND JACK OF *** (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 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, CLASS B
			2,285	TON	SEDIMENT CONTROL STONE
			25	ACR	TEMPORARY MULCHING
			1,600	LB	SEED FOR TEMPORARY SEEDING
			9	TON	FERTILIZER FOR TEMPORARY SEEDING
			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 (36")
			2	EA	SPECIAL STILLING BASINS
			860	LF	COIR FIBER WATTLE
			200	LB	POLYACRYLAMIDE (PAM)
			660	LF	COIR FIBER BAFFLE
			3	EA	*** 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
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 DEVICES			
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 LINES (6", 90 MILS)			
3,713	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
39	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
10	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)			
122	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
134,080	LF	PAINT PAVEMENT MARKING LINES (4")			
3,358	LF	PAINT PAVEMENT MARKING LINES (8")			
1,462	LF	PAINT PAVEMENT MARKING LINES (12")			
1,808	LF	PAINT PAVEMENT MARKING LINES (24")			
40	EA	PAINT PAVEMENT MARKING CHARACTER			
232	EA	PAINT PAVEMENT MARKING SYMBOL			
35,322	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
410	LF	REMOVAL OF PAVEMENT MARKING 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 LINES (24", 90 MILS)			
519	EA	GENERIC PAVEMENT MARKING ITEM NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS			
109	LF	2" WATER LINE			
6	LF	3" WATER LINE			
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	EA	6" VALVE			
4	EA	8" VALVE			
20	EA	10" VALVE			
2	EA	12" VALVE			
1	EA	16" VALVE			
2	EA	20" VALVE			
1	EA	2" BLOW OFF			
56	EA	RELOCATE WATER METER			
21	EA	RECONNECT WATER METER			
17	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (1")			
1	EA	RELOCATE *** RPZ BACKFLOW PREVENTION ASSEMBLY (2-1/2")			

22	EA	PEDESTRIAN SIGNAL HEAD (***, ** SECTION) (16", 1 SECTION WITH COUNT- DOWN)
8,243	LF	SIGNAL CABLE
59	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
14	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
3	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
7,290	LF	MESSENGER CABLE (1/4")
3,325	LF	MESSENGER CABLE (3/8")
1,175	LF	UNPAVED TRENCHING (***** (1, 2")
1,900	LF	UNPAVED TRENCHING (***** (2, 2")
162	LF	DIRECTIONAL DRILL (***** (1, 2")
23	EA	JUNCTION BOX (STANDARD SIZE)
9	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
11	EA	WOOD POLE
33	EA	GUY ASSEMBLY
3	EA	1" RISER WITH WEATHERHEAD
3	EA	2" RISER WITH WEATHERHEAD
1	EA	HEAT SHRINK TUBING RETROFIT 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)
4	EA	SPLICE ENCLOSURE
2	EA	MODIFY SPLICE ENCLOSURE
4	EA	INTERCONNECT CENTER
16	EA	METAL STRAIN SIGNAL POLE
16	EA	SOIL TEST
112	CY	DRILLED PIER FOUNDATION
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)
4	EA	CABINET BASE EXTENDER
12	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES

### CULVERT ITEMS

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

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L200317 005

CONTRACT ID : C204545 40.1.4

DIV OFFICE DURHAM

LENGTH = 22.880 MI

COUNTY : WAKE, DURHAM

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 (1-1/2")
1,705	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
1,781	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (1-1/2" TO 2")
362	SY	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	LS	TEMPORARY TRAFFIC CONTROL
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM INSTALL DEPT FURNISHED MARKING AT GREEN LEVEL WEST NB EXIT LOOP
Lump Sum	LS	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 RAMP
Lump Sum	LS	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	EA	PAINT PAVEMENT MARKING SYMBOL
630	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
1,885	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
4,648	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L200317 006

CONTRACT ID : C204371 34840.3.4

DIV OFFICE GREENSBORO

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

				1	EA	FRAME WITH COVER, STD 840.54
				16,115	LF	2'-6" CONCRETE CURB & GUTTER
				80	SY	4" CONCRETE SIDEWALK
				2	EA	CONCRETE CURB RAMPS
				565	SY	6" CONCRETE DRIVEWAY
				325	LF	STEEL BEAM GUARDRAIL
				50	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
				5	EA	ADDITIONAL GUARDRAIL POSTS
				1	EA	GUARDRAIL END UNITS, TYPE AT-1
				1	EA	GUARDRAIL END UNITS, TYPE CAT-1
				2	EA	GUARDRAIL END UNITS, TYPE TL-3
				346	LF	CHAIN LINK FENCE, *** FABRIC (54")
				30	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (54")
				2	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (54")
				20	TON	RIP RAP, CLASS I
				620	TON	RIP RAP, CLASS II
				516	TON	RIP RAP, CLASS B
				4,327	SY	GEOTEXTILE FOR DRAINAGE
				984	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
				4	EA	SIGN ERECTION, TYPE D
				33	EA	SIGN ERECTION, TYPE E
				2	EA	SIGN ERECTION, TYPE F
				3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
				5	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
				42	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
				9	EA	DISPOSAL OF SUPPORT, U-CHANNEL
				258	SF	WORK ZONE SIGNS (STATIONARY)
				96	SF	WORK ZONE SIGNS (PORTABLE)
				2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
				311	EA	DRUMS
				60	DAY	FLAGGER
				4	EA	TEMPORARY CRASH CUSHIONS
				1,050	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
				240	HR	LAW ENFORCEMENT
				477	EA	TEMPORARY RAISED PAVEMENT MARKERS
				47,497	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
				702	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
				115	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
				63,786	LF	PAINT PAVEMENT MARKING LINES (4")
				132	LF	PAINT PAVEMENT MARKING LINES (8")
				238	LF	PAINT PAVEMENT MARKING LINES (24")
				40	EA	PAINT PAVEMENT MARKING SYMBOL
				16,132	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
				30	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
				111	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
				840	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90MILS)
				555	EA	SNOWPLOWABLE PAVEMENT MARKERS
				355	LF	8" WATER LINE
				355	LF	12" WATER LINE
				985	LF	16" WATER LINE
				7,810	LB	DUCTILE IRON WATER PIPE FITTINGS
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	CONSTRUCTION SURVEYING				
2,000	CY	UNDERCUT EXCAVATION				
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING				
70	CY	DRAINAGE DITCH EXCAVATION				
2,000	CY	SELECT GRANULAR MATERIAL				
12,650	SY	GEOTEXTILE FOR SOIL STABILIZATION				
1,195	SF	TEMPORARY SHORING				
1,416	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES				
5,042	SY	FOUNDATION CONDITIONING GEOTEXTILE				
520	LF	15" DRAINAGE PIPE				
280	LF	18" DRAINAGE PIPE				
10	EA	*** DRAINAGE PIPE ELBOWS (15")				
92	LF	15" RC PIPE CULVERTS, CLASS III				
20	LF	18" RC PIPE CULVERTS, CLASS III				
328	LF	24" RC PIPE CULVERTS, CLASS III				
28	LF	30" RC PIPE CULVERTS, CLASS III				
12	LF	36" RC PIPE CULVERTS, CLASS III				
7,484	LF	15" RC PIPE CULVERTS, CLASS IV				
1,672	LF	18" RC PIPE CULVERTS, CLASS IV				
216	LF	24" RC PIPE CULVERTS, CLASS IV				
904	LF	30" RC PIPE CULVERTS, CLASS IV				
28	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")				
2	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")				
2,242	LF	PIPE REMOVAL				
3,150	CY	SHALLOW UNDERCUT				
6,800	TON	CLASS IV SUBGRADE STABILIZATION				
1,000	TON	INCIDENTAL STONE BASE				
1,210	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")				
12,360	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C				
11,620	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B				
1,630	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR				
430	CY	SUBDRAIN EXCAVATION				
700	SY	GEOTEXTILE FOR SUBSURFACE DRAINS				
205	CY	SUBDRAIN FINE AGGREGATE				
120	CY	SUBDRAIN COARSE AGGREGATE				
1,900	LF	6" PERFORATED SUBDRAIN PIPE				
5	EA	SUBDRAIN PIPE OUTLET				
30	LF	6" OUTLET PIPE				
0.5	CY	PIPE COLLARS				
0.1	CY	PIPE PLUGS				
122	EA	MASONRY DRAINAGE STRUCTURES				
9	LF	MASONRY DRAINAGE STRUCTURES				
24	EA	FRAME WITH TWO GRATES, STD 840.16				
8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)				
46	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)				
43	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)				





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

L200317 007

CONTRACT ID : C204352 50401.3.GV1

DIV OFFICE GREENSBORO

LENGTH = 0.605 MI

COUNTY : ALAMANCE

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 8.0% COMPLETION DATE : DEC 12 2022

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

ROADWAY ITEMS					
			21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			3	EA	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
Lump Sum	LS	MOBILIZATION	60	EA	CONCRETE CURB RAMPS
Lump Sum	LS	CONSTRUCTION SURVEYING	80	SY	6" CONCRETE DRIVEWAY
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (27+02.26-L-)	140	SY	4" CONCRETE ISLAND COVER
950	CY	UNDERCUT EXCAVATION	140	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
Lump Sum	LS	GRADING	600	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	2	EA	CONCRETE BARRIER TRANSITION SECTION
500	CY	SELECT GRANULAR MATERIAL	140	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
1,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	1	EA	ADJUSTMENT OF CATCH BASINS
140	SF	TEMPORARY SHORING	700	LF	STEEL BEAM GUARDRAIL
50	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	175	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
430	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	41	EA	EXTRA LENGTH GUARDRAIL POST (** STEEL) (8')
1,800	SY	FOUNDATION CONDITIONING GEOTEXTILE	5	EA	ADDITIONAL GUARDRAIL POSTS
960	LF	15" SIDE DRAIN PIPE	3	EA	GUARDRAIL END UNITS, TYPE AT-1
124	LF	18" SIDE DRAIN PIPE	2	EA	GUARDRAIL ANCHOR UNITS, TYPE III
280	LF	24" SIDE DRAIN PIPE	3	EA	GUARDRAIL END UNITS, TYPE TL-3
6	EA	*** SIDE DRAIN PIPE ELBOWS (15")	2	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
44	LF	24" RC PIPE CULVERTS, CLASS III	605	LF	REMOVE EXISTING GUARDRAIL
1,648	LF	15" RC PIPE CULVERTS, CLASS IV	700	LF	WOVEN WIRE FENCE, 47" FABRIC
240	LF	18" RC PIPE CULVERTS, CLASS IV	35	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
584	LF	24" RC PIPE CULVERTS, CLASS IV	28	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
2,034	LF	PIPE REMOVAL	30	TON	RIP RAP, CLASS B
350	CY	SHALLOW UNDERCUT	1,415	SY	GEOTEXTILE FOR DRAINAGE
650	TON	CLASS IV SUBGRADE STABILIZATION	2	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
1,000	TON	INCIDENTAL STONE BASE	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
21,400	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	36	CY	OVERHEAD FOOTING
19,150	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	1,886	LB	SUPPORTS, BREAKAWAY STEEL BEAM
2,110	SY	INCIDENTAL MILLING	317	LB	SUPPORTS, SIMPLE STEEL BEAM
7,100	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	900	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
4,800	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+15-L-)
5,700	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (30+75-L-)
1,200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	4	EA	SIGN ERECTION, TYPE D
2,100	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	51	EA	SIGN ERECTION, TYPE E
1,145	TON	ASPHALT BINDER FOR PLANT MIX	2	EA	SIGN ERECTION, TYPE F
120	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	4	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
1,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	6	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
6,900	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
0.029	CY	PIPE PLUGS	1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (GM RESTAURANT LOGO SIGNS)
56	EA	MASONRY DRAINAGE STRUCTURES	1	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD
2.4	LF	MASONRY DRAINAGE STRUCTURES	2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
4	EA	FRAME WITH TWO GRATES, STD 840.***** (840.15)	56	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
4	EA	FRAME WITH TWO GRATES, STD 840.16	2	EA	DISPOSAL OF SIGN SYSTEM, WOOD
1	EA	FRAME WITH TWO GRATES, STD 840.22	1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
22	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			

			155	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
460	SF	WORK ZONE SIGNS (STATIONARY)	45	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
624	SF	WORK ZONE SIGNS (PORTABLE)	135	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")
142	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	310	LF	** #2 W/G FEEDER CIRCUIT (2)
6	EA	FLASHING ARROW BOARD	650	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5")
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	330	LF	** #2 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5")
40	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	3	EA	ELECTRICAL JUNCTION BOXES ***** (IG18)
580	EA	DRUMS	3	EA	ELECTRICAL JUNCTION BOXES ***** (LS18)
40	EA	SEQUENTIAL FLASHING WARNING LIGHTS	Lump Sum	LS	PORTABLE LIGHTING
60	EA	CONES	Lump Sum	LS	GENERIC LIGHTING ITEM LUMINAIRE STORAGE
96	LF	BARRICADES (TYPE III)	1	EA	GENERIC LIGHTING ITEM RELOCATE LIGHT STANDARD
56	LF	PEDESTRIAN CHANNELIZING DEVICES	1	EA	GENERIC LIGHTING ITEM REMOVE LIGHT STANDARD FOUNDATION
480	DAY	FLAGGER	1	EA	GENERIC LIGHTING ITEM REMOVE SINGLE ARM LIGHT STANDARD
7	EA	TEMPORARY CRASH CUSHIONS	10	LF	8" WATER LINE
3	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	325	LF	12" WATER LINE
4	EA	TMA	3,115	LB	DUCTILE IRON WATER PIPE FITTINGS
3,205	LF	PORTABLE CONCRETE BARRIER	1	EA	6" VALVE
1,150	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	1	EA	8" VALVE
410	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)	4	EA	12" VALVE
6	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	1	EA	*** TAPPING SLEEVE & VALVE (2")
1,500	EA	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN TRANSPORT SERVICE (PER TRIP)	8	EA	RELOCATE WATER METER
570	EA	TEMPORARY RAISED PAVEMENT MARKERS	2	EA	RECONNECT WATER METER
16,168	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	3	EA	RELOCATE *** DCV BACKFLOW PREVENTION ASSEMBLY (1")
9,832	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	3	EA	RELOCATE *** DCV BACKFLOW PREVENTION ASSEMBLY (2")
3,152	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	3	EA	RELOCATE FIRE HYDRANT
1,259	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	80	LF	FIRE HYDRANT LEG
3	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	70	LF	*** WATER SERVICE LINE (1")
84	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	95	LF	*** WATER SERVICE LINE (2")
24	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	10	LF	6" SANITARY GRAVITY SEWER
1,902	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	165	LF	8" SANITARY GRAVITY SEWER
310	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	3	EA	4" DIA UTILITY MANHOLE
12	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)	134	LF	ABANDON 8" UTILITY PIPE
2	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)	2	EA	REMOVE UTILITY MANHOLE
33,600	LF	PAINT PAVEMENT MARKING LINES (4")	2	EA	GENERIC UTILITY ITEM 12" INSERT VALVE
33,000	LF	PAINT PAVEMENT MARKING LINES (6")	7,270	LF	TEMPORARY SILT FENCE
1,820	LF	PAINT PAVEMENT MARKING LINES (8")	525	TON	STONE FOR EROSION CONTROL, CLASS A
400	LF	PAINT PAVEMENT MARKING LINES (12")	420	TON	STONE FOR EROSION CONTROL, CLASS B
730	LF	PAINT PAVEMENT MARKING LINES (24")	715	TON	SEDIMENT CONTROL STONE
36	EA	PAINT PAVEMENT MARKING CHARACTER	7	ACR	TEMPORARY MULCHING
109	EA	PAINT PAVEMENT MARKING SYMBOL	500	LB	SEED FOR TEMPORARY SEEDING
5,200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	2.5	TON	FERTILIZER FOR TEMPORARY SEEDING
22,000	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	200	LF	TEMPORARY SLOPE DRAINS
800	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	200	LF	SAFETY FENCE
120	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	550	CY	SILT EXCAVATION
18	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	8,355	SY	MATTING FOR EROSION CONTROL
4,183	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	2,890	LF	1/4" HARDWARE CLOTH
35	EA	PERMANENT RAISED PAVEMENT MARKERS	90	LF	COIR FIBER WATTLE
422	EA	SNOWPLOWABLE PAVEMENT MARKERS	60	LB	POLYACRYLAMIDE (PAM)
3	EA	STANDARD FOUNDATION ***** (TYPE R1)	20	LF	COIR FIBER BAFFLE
			6	ACR	SEEDING & MULCHING
			6	ACR	MOWING
			100	LB	SEED FOR REPAIR SEEDING
			0.25	TON	FERTILIZER FOR REPAIR SEEDING
			150	LB	SEED FOR SUPPLEMENTAL SEEDING
			4.5	TON	FERTILIZER TOPDRESSING
			10	MHR	SPECIALIZED HAND MOWING
			25	EA	RESPONSE FOR EROSION CONTROL
			12	EA	CONCRETE WASHOUT STRUCTURE

			8	EA	GENERIC SIGNAL ITEM REMOVE RADIO INSTALLATION		
			425	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE		
40	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE					
100	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT					
							<b>WALL ITEMS</b>
35	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	1,160	SF	MSE RETAINING WALL NO **** (1)		
23,800	LF	SIGNAL CABLE					
104	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)					
20	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)					
7	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)					
							<b>STRUCTURE ITEMS</b>
8	EA	APS DETECTOR STATION	65	LF	3'-6" DIA DRILLED PIERS IN SOIL		
1	EA	CENTRAL CONTROL UNIT APS DETECTOR STATION	124	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL		
950	LF	MESSENGER CABLE (1/4")	3	EA	SID INSPECTIONS		
5,300	LF	MESSENGER CABLE (3/8")	6	EA	SPT TESTING		
2,500	LF	TRACER WIRE	3	EA	CSL TESTING		
375	LF	PAVED TRENCHING (***** (1, 2")	15,562	SF	REINFORCED CONCRETE DECK SLAB		
2,225	LF	UNPAVED TRENCHING (***** (1, 2")	25,401.6	SF	GROOVING BRIDGE FLOORS		
1,400	LF	UNPAVED TRENCHING (***** (2, 2")	297.4	CY	CLASS A CONCRETE (BRIDGE)		
100	LF	UNPAVED TRENCHING (***** (3, 2")	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (27+02.26 -L-)		
75	LF	DIRECTIONAL DRILL (***** (1, 2")	52,536	LB	REINFORCING STEEL (BRIDGE)		
1,150	LF	DIRECTIONAL DRILL (***** (2, 2")	911	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)		
48	EA	JUNCTION BOX (STANDARD SIZE)	7,630	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)		
20	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)	441,500	LS	APPROX ..... LBS STRUCTURAL STEEL		
19	EA	WOOD POLE	16	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)		
41	EA	GUY ASSEMBLY	360	LF	HP12X53 STEEL PILES		
2	EA	1/2" RISER WITH WEATHERHEAD	16	EA	STEEL PILE POINTS		
5	EA	1" RISER WITH WEATHERHEAD	422.5	LF	THREE BAR METAL RAIL		
22	EA	2" RISER WITH WEATHERHEAD	427.83	LF	*** CHAIN LINK FENCE (104")		
5	EA	HEAT SHRINK TUBING RETROFIT KIT	635	SY	4" SLOPE PROTECTION		
3	EA	2" RISER WITH HEAT SHRINK TUBING	4.2	SY	CLASS II, SURFACE PREPARATION		
7,025	LF	INDUCTIVE LOOP SAWCUT	Lump Sum	LS	ELASTOMERIC BEARINGS		
31,375	LF	LEAD-IN CABLE (***** (14-2)	6.4	CF	SHOTCRETE REPAIRS		
5	EA	SITE SURVEY	112	LF	EPOXY RESIN INJECTION		
17	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	Lump Sum	LS	FOAM JOINT SEALS		
5	EA	EXTERNAL LOOP EMULATOR PRO- CESSING UNIT	Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (27+02.26 -L-)		
23	EA	RELOCATE CAMERA SENSOR UNIT	62.1	CY	GENERIC STRUCTURE ITEM POLYESTER POLYMER CONCRETE MATERIALS		
5,425	LF	COMMUNICATIONS CABLE (**FIBER) (12)	647.4	SF	GENERIC STRUCTURE ITEM EPOXY COATING		
450	LF	DROP CABLE	4.2	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR POLY- ESTER POLYMER CONCRETE OVERLAY		
5	EA	SPLICE ENCLOSURE	2,234.5	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING POLYESTER POLYMER CONCRETE OVERLAY		
3	EA	MODIFY SPLICE ENCLOSURE					
6	EA	INTERCONNECT CENTER					
11	EA	DELINEATOR MARKER					
8	EA	900MHZ SERIAL/ETHERNET SPREAD SPECTRUM RADIO	1,464.5	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK		
1	EA	MODIFY RADIO INSTALLATION	2,234.5	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK		
3,175	LF	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	EA	CABINET BASE EXTENDER					
1	EA	METAL POLE FOUNDATION REMOVAL					
1	EA	METAL POLE REMOVAL					
9	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH					
6	EA	GENERIC SIGNAL ITEM JUNCTION BOX MARKER					

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

L200317 008

CONTRACT ID : C204363 50469.3.GV1

DIV OFFICE ALBEMARLE

LENGTH = 13.920 MI

COUNTY : MECKLENBURG, CABARRUS

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.

ROADWAY ITEMS					
			11,740	LF	POLYUREA PAVEMENT MARKING 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 PAVEMENT 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
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 PRESERVATION
			59.5	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE FOR PRESERVATION
			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
Lump Sum	LS	MOBILIZATION			
120	CY	UNDERCUT EXCAVATION			
107	CY	BORROW EXCAVATION			
140	SY	GEOTEXTILE FOR SOIL STABILIZATION			
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 BINDER 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	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	EA	PAINT PAVEMENT MARKING SYMBOL			
107,051	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)			

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L200317 009

CONTRACT ID : C204356 34518.3.8

DIV OFFICE NORTH WILKESBORO

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 (36", 0.079")
Lump Sum	LS	MOBILIZATION	2	EA	*** CS PIPE ELBOWS, ***** THICK (42", 0.109")
Lump Sum	LS	CONSTRUCTION SURVEYING	4	EA	*** CS PIPE ELBOWS, ***** THICK (6", 0.064")
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	2	EA	*** CS PIPE ELBOWS, ***** THICK (60", 0.138")
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING	92	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")
220,830	CY	UNCLASSIFIED EXCAVATION	92	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")
2,400	CY	UNDERCUT EXCAVATION	567	LF	GENERIC PIPE ITEM 24" PIPE REHABILITATION CIPP LINER
35,080	CY	BORROW EXCAVATION	180	LF	GENERIC PIPE ITEM 30" PIPE REHABILITATION CIPP LINER
18,200	CY	DRAINAGE DITCH EXCAVATION	440	LF	GENERIC PIPE ITEM 36" PIPE REHAB CEMENTITIOUS/GEOPOLYMER SPRAY LINER
400	LF	BERM DITCH CONSTRUCTION	317	LF	GENERIC PIPE ITEM 48" PIPE REHAB CEMENTITIOUS/GEOPOLYMER SPRAY LINER
32,700	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	698	LF	GENERIC PIPE ITEM 66" PIPE REHAB CEMENTITIOUS/GEOPOLYMER SPRAY LINER
810	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	2,202	LF	GENERIC PIPE ITEM PRE INSTALLATION INSPECTION
20	HR	PROOF ROLLING	1,882	LF	PIPE REMOVAL
2,000	CY	SELECT GRANULAR MATERIAL	Lump Sum	LS	FINE GRADING
7,150	SY	GEOTEXTILE FOR SOIL STABILIZATION	46,500	SY	LIME TREATED SOIL (SLURRY METHOD)
16,000	SF	TEMPORARY SHORING	560	TON	LIME FOR LIME TREATED SOIL
3,900	SY	ROCK PLATING	250	CY	SHALLOW UNDERCUT
1,750	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	500	TON	CLASS IV SUBGRADE STABILIZATION
5,500	SY	FOUNDATION CONDITIONING GEOTEXTILE	500	TON	STABILIZER AGGREGATE
100	LF	15" DRAINAGE PIPE	23,700	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
28	LF	18" DRAINAGE PIPE	54,115	TON	AGGREGATE BASE COURSE
6,992	LF	15" RC PIPE CULVERTS, CLASS III	46,500	SY	SOIL CEMENT BASE
1,140	LF	18" RC PIPE CULVERTS, CLASS III	1,310	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
1,768	LF	24" RC PIPE CULVERTS, CLASS III	13,950	GAL	ASPHALT CURING SEAL
2,060	LF	30" RC PIPE CULVERTS, CLASS III	500	TON	INCIDENTAL STONE BASE
20	LF	36" RC PIPE CULVERTS, CLASS III	1,900	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")
1,244	LF	42" RC PIPE CULVERTS, CLASS III	2,610	SY	INCIDENTAL MILLING
520	LF	60" RC PIPE CULVERTS, CLASS III	18,640	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
64	LF	66" RC PIPE CULVERTS, CLASS III	31,745	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
72	LF	18" RC PIPE CULVERTS, CLASS IV	25,915	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
196	LF	30" RC PIPE CULVERTS, CLASS IV	3,875	TON	ASPHALT BINDER FOR PLANT MIX
380	LF	42" RC PIPE CULVERTS, CLASS IV	1,888	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
32	LF	6" CS PIPE CULVERTS, 0.064" THICK (SPRING BOX)	13	EA	RIGHT-OF-WAY MARKERS
40	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	26	EA	CONTROL-OF-ACCESS MARKERS
36	LF	*** CS PIPE CULVERTS, ***** THICK (42", 0.109")	3,461	CY	SUBDRAIN EXCAVATION
96	LF	*** CS PIPE CULVERTS, ***** THICK (60", 0.138")	7,300	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
472	LF	15" CS PIPE CULVERTS, 0.064" THICK	504	CY	SUBDRAIN FINE AGGREGATE
268	LF	18" CS PIPE CULVERTS, 0.064" THICK	1,227	CY	SUBDRAIN COARSE AGGREGATE
536	LF	24" CS PIPE CULVERTS, 0.064" THICK	10,300	LF	6" PERFORATED SUBDRAIN PIPE
224	LF	30" CS PIPE CULVERTS, 0.079" THICK	21	EA	SUBDRAIN PIPE OUTLET
16	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	126	LF	6" OUTLET PIPE
6	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	20	TON	BLOTTING SAND
18	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	18	CY	ENDWALLS
10	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")	16.8	CY	REINFORCED ENDWALLS
			1.76	CY	PIPE COLLARS
			468	CY	FLOWABLE FILL

147	EA	MASONRY DRAINAGE STRUCTURES	16	EA	SIGN ERECTION, TYPE F
30.83	CY	MASONRY DRAINAGE STRUCTURES	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
218	LF	MASONRY DRAINAGE STRUCTURES	5	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
17	EA	FRAME WITH TWO GRATES, STD 840.16	3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
44	EA	FRAME WITH TWO GRATES, STD 840.20	58	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
48	EA	FRAME WITH TWO GRATES, STD 840.22	7	EA	DISPOSAL OF SIGN SYSTEM, WOOD
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	5	EA	DISPOSAL OF SUPPORT, U-CHANNEL
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	550	SF	WORK ZONE SIGNS (STATIONARY)
24	EA	FRAME WITH COVER, STD 840.54	384	SF	WORK ZONE SIGNS (PORTABLE)
17	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	215	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1	EA	*** SLUICE GATE (8")	3	EA	FLASHING ARROW BOARD
1	EA	GENERIC DRAINAGE ITEM 6" PVC CLEANOUTS	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
1	EA	GENERIC DRAINAGE ITEM REBAR TRASH RACK	718	EA	DRUMS
1	EA	GENERIC DRAINAGE ITEM REMOVEABLE ORIFICE TRASH RACK	718	EA	CONES
50	LF	GENERIC DRAINAGE ITEM 6" PIPE - PERFORATED WITH FILTER SOCK	160	LF	BARRICADES (TYPE III)
6	TON	GENERIC DRAINAGE ITEM WASHED #57 STONE	240	DAY	FLAGGER
3.3	CY	GENERIC DRAINAGE ITEM ANTI-FLOTATION CONCRETE	18	EA	TEMPORARY CRASH CUSHIONS
2	CY	GENERIC DRAINAGE ITEM ENGINEERED SOIL MEDIA	25	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
14,860	LF	***.*** CONCRETE CURB & GUTTER (2'-9")	2	EA	TMA
1,550	LF	2'-6" CONCRETE CURB & GUTTER	8,990	LF	PORTABLE CONCRETE BARRIER
6,680	LF	SHOULDER BERM GUTTER	9,160	LF	REMOVE & RESET PORTABLE CONC- RETE BARRIER
250	SY	4" CONCRETE SIDEWALK	800	HR	LAW ENFORCEMENT
2	EA	CONCRETE CURB RAMPS	500	EA	SKINNY DRUM
166	SY	4" CONCRETE PAVED DITCH	46	EA	TUBULAR MARKERS (FIXED)
3,300	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,302	EA	TEMPORARY RAISED PAVEMENT MARKERS
1,690	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1	EA	ADJUSTMENT OF MANHOLES	675	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
1	EA	CONVERT EXISTING CATCH BASIN TO DROP INLET	97	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE	446,770	LF	PAINT PAVEMENT MARKING LINES (4")
15,075	LF	STEEL BEAM GUARDRAIL	1,418	LF	PAINT PAVEMENT MARKING LINES (8")
762.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	23,060	LF	PAINT PAVEMENT MARKING LINES (12")
1	EA	25' CLEAR SPAN GUARDRAIL SEC- TIONS	2,388	LF	PAINT PAVEMENT MARKING LINES (24")
15	EA	ADDITIONAL GUARDRAIL POSTS	32	EA	PAINT PAVEMENT MARKING CHARAC- TER
1	EA	GUARDRAIL END UNITS, TYPE AT-1	324	EA	PAINT PAVEMENT MARKING SYMBOL
13	EA	GUARDRAIL END UNITS, TYPE CAT-1	81,782	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
10	EA	GUARDRAIL END UNITS, TYPE TL-3	2,698	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
7	EA	GUARDRAIL END UNITS, TYPE TL-2	70,440	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
2	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	978	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
10,820	LF	REMOVE EXISTING GUARDRAIL	6,405	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
1,700	LF	TEMPORARY STEEL BEAM GUARDRAIL	442	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
3	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)	94	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1	EA	GENERIC GUARDRAIL ITEM TEMPORARY GUARDRAIL END UNITS, TYPE CAT-1	428	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
6,400	LF	WOVEN WIRE FENCE, 47" FABRIC	1,302	EA	SNOWPLOWABLE PAVEMENT MARKERS
370	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	12	LF	*** WATER LINE (1")
96	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	46	LF	2" WATER LINE
100	LF	ADDITIONAL BARBED WIRE	2,928	LF	6" WATER LINE
1,345	TON	RIP RAP, CLASS I	384	LF	10" WATER LINE
115	TON	RIP RAP, CLASS II	3,310	LB	DUCTILE IRON WATER PIPE FITTINGS
2,685	TON	RIP RAP, CLASS B	1	EA	2" VALVE
11,205	SY	GEOTEXTILE FOR DRAINAGE	7	EA	6" VALVE
1	CY	PLAIN CONCRETE SIGN FOUNDA- TIONS	2	EA	FIRE HYDRANT
492	LB	SUPPORTS, BREAKAWAY STEEL BEAM	1	EA	RELOCATE FIRE HYDRANT
1,695	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	47	LF	FIRE HYDRANT LEG
6	EA	SIGN ERECTION, TYPE D	12	LF	WATER SERVICE LINE
70	EA	SIGN ERECTION, TYPE E	2,517	LF	ABANDON 6" UTILITY PIPE
			324	LF	ABANDON 10" UTILITY PIPE
			3	EA	REMOVE FIRE HYDRANT
			781	LF	12" ENCASEMENT PIPE
			173	LF	24" ENCASEMENT PIPE

47,485	LF	TEMPORARY SILT FENCE
1,750	TON	STONE FOR EROSION CONTROL, 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 SEEDING
4,470	LF	TEMPORARY SLOPE DRAINS
24,460	LF	SAFETY FENCE
37,050	CY	SILT EXCAVATION
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
35	LF	*** TEMPORARY PIPE (15")
25	LF	*** TEMPORARY PIPE (18")
110	LF	*** TEMPORARY PIPE (36")
95	SY	FLOATING TURBIDITY CURTAIN
58	CY	STILLING BASINS
140	LF	WATTLE
2,660	LF	COIR FIBER WATTLE
8,800	LF	WATTLE BARRIER
3,690	LB	POLYACRYLAMIDE (PAM)
5,800	LF	COIR FIBER BAFFLE
23	EA	*** SKIMMER (1-1/2")
6	EA	*** SKIMMER (2")
3	EA	*** SKIMMER (2.5")
1	EA	*** SKIMMER (3")
78	ACR	SEEDING & MULCHING
69	ACR	MOWING
1,150	LB	SEED FOR REPAIR SEEDING
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
9	EA	GENERIC EROSION CONTROL ITEM DEWATERING
2	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
6,330	LF	SIGNAL CABLE
46	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
6	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
2,780	LF	MESSANGER CABLE (3/8")
3,100	LF	UNPAVED TRENCHING (***** (1, 2"))
30	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN
70	LF	DIRECTIONAL DRILL (***** (1, 2"))
34	EA	JUNCTION BOX (STANDARD SIZE)
6	EA	WOOD POLE
14	EA	GUY ASSEMBLY
5	EA	2" RISER WITH WEATHERHEAD
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
18	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
4	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
27	EA	RELOCATE CAMERA SENSOR UNIT
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 MATERIAL, 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

