



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 SEPTEMBER 17, 2019. 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 AUGUST 20, 2019.  
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.

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
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	Karen Eason Collette, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Ronald L Keeter, Jr., 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	J. Scott Cole, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Mark E Stafford, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	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** L190917

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
002	C204358	46981.3.1	GREENE	1.138 MI	GRADING, DRAINAGE, PAVING, SIGNALS & RETAINING WALL.
003	C204429	44400.3.1	WAKE	0.710 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALL.
004	C204220	46104.3.1	YADKIN	0.386 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.

**Bid Letting Number** L191015

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C204368	34542.3.6 ETC.	RICHMOND	7.197 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
002	C204181	34446.3.4	STANLY, MONTGOMERY	6.908 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190917 002

CONTRACT ID : C204358 46981.3.1

DIV OFFICE GREENVILLE

LENGTH = 1.138 MI

COUNTY : GREENE

GRADING, DRAINAGE, PAVING, SIGNALS &amp; RETAINING WALL.

DBE GOAL 10.0% COMPLETION DATE : MAR 14 2021

US-13 BYPASS FROM NC-58 (KINGOLD BLVD) TO NC-91.

ROADWAY ITEMS				
			3.5	CY PIPE COLLARS
			3	CY FLOWABLE FILL
			66	EA MASONRY DRAINAGE STRUCTURES
			7.2	CY MASONRY DRAINAGE STRUCTURES
			38.4	LF MASONRY DRAINAGE STRUCTURES
			39	EA FRAME WITH TWO GRATES, STD 840.20
			12	EA FRAME WITH TWO GRATES, STD 840.22
			10	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			7	EA FRAME WITH COVER, STD 840.54
			1	EA CONCRETE TRANSITIONAL SECTION FOR DROP INLET
			580	LF 2'-6" CONCRETE CURB & GUTTER
			5,050	LF SHOULDER BERM GUTTER
			1,530	SY 4" CONCRETE SIDEWALK
			11	EA CONCRETE CURB RAMPS
			1	EA REMOVE AND REPLACE CURB RAMPS
			730	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			5	EA ADJUSTMENT OF MANHOLES
			10	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
			1	EA CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE
			6,350	LF STEEL BEAM GUARDRAIL
			112.5	LF STEEL BEAM GUARDRAIL, SHOP CURVED
			10	EA ADDITIONAL GUARDRAIL POSTS
			2	EA GUARDRAIL END UNITS, TYPE CAT-1
			4	EA GUARDRAIL ANCHOR UNITS, TYPE III
			4	EA GUARDRAIL END UNITS, TYPE TL-3
			6,775	LF REMOVE EXISTING GUARDRAIL
			4	EA TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
			100	TON RIP RAP, CLASS I
			33	TON RIP RAP, CLASS B
			548	SY GEOTEXTILE FOR DRAINAGE
			1,888	LF SUPPORTS, WOOD
			5	EA SIGN ERECTION, TYPE D
			37	EA SIGN ERECTION, TYPE E
			17	EA SIGN ERECTION, TYPE F
			1	EA SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
			48	EA DISPOSAL OF SIGN SYSTEM, WOOD
			9	EA DISPOSAL OF SIGN, D, E OR F
			180	SF WORK ZONE SIGNS (STATIONARY)
			304	SF WORK ZONE SIGNS (PORTABLE)
			28	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
			1	EA FLASHING ARROW BOARD
			1	EA PORTABLE CHANGEABLE MESSAGE SIGN
			150	EA DRUMS
			32	LF BARRICADES (TYPE III)
			576	DAY FLAGGER
			4	EA TEMPORARY CRASH CUSHIONS
			2	EA TMA
			1,680	LF PORTABLE CONCRETE BARRIER
			64	HR LAW ENFORCEMENT
			238	EA TEMPORARY RAISED PAVEMENT MARKERS
			30,667	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			1,605	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
			414	LF THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
			58	EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			65,484	LF PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING		
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING		
1,500	CY	UNDERCUT EXCAVATION		
Lump Sum	LS	GRADING		
33,000	CY	BORROW EXCAVATION		
440	CY	DRAINAGE DITCH EXCAVATION		
1,200	CY	SELECT GRANULAR MATERIAL		
2,000	SY	GEOTEXTILE FOR SOIL STABILIZATION		
4,050	SY	REINFORCED SOIL SLOPES		
750	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		
2,360	SY	FOUNDATION CONDITIONING GEOTEXTILE		
84	LF	18" SIDE DRAIN PIPE		
4	EA	*** SIDE DRAIN PIPE ELBOWS (18")		
3,480	LF	15" RC PIPE CULVERTS, CLASS III		
760	LF	18" RC PIPE CULVERTS, CLASS III		
1,292	LF	24" RC PIPE CULVERTS, CLASS III		
552	LF	30" RC PIPE CULVERTS, CLASS III		
232	LF	36" RC PIPE CULVERTS, CLASS III		
64	LF	54" RC PIPE CULVERTS, CLASS III		
264	LF	18" RC PIPE CULVERTS, CLASS IV		
84	LF	15" CS PIPE CULVERTS, 0.064" THICK		
164	LF	18" CS PIPE CULVERTS, 0.064" THICK		
36	LF	24" CS PIPE CULVERTS, 0.064" THICK		
40	LF	30" CS PIPE CULVERTS, 0.079" THICK		
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")		
6	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")		
2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")		
2	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")		
1,444	LF	PIPE REMOVAL		
200	CY	SHALLOW UNDERCUT		
400	TON	CLASS IV SUBGRADE STABILIZATION		
100	TON	INCIDENTAL STONE BASE		
1,670	SY	INCIDENTAL MILLING		
3,714	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		
5,295	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		
7,135	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		
850	TON	ASPHALT BINDER FOR PLANT MIX		
420	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		
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		
5.2	CY	REINFORCED ENDWALLS		





## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190917 003

CONTRACT ID : C204429 44400.3.1

DIV OFFICE DURHAM

LENGTH = 0.710 MI

COUNTY : WAKE

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

DBE GOAL 14.0% COMPLETION DATE : JAN 11 2022

SR-1632 (LOUIS STEPHENS DR) FROM POPLAR PIKE LANE IN MORRISVILLE TO SR-2153 (LITTLE DR) IN RTP.

ROADWAY ITEMS					
			16	EA	CONCRETE CURB RAMPS
			65	SY	6" CONCRETE DRIVEWAY
			65	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING	396	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	4,400	SY	GENERIC PAVING ITEM 6" CONCRETE MULTI-USE PATH
1,200	CY	UNDERCUT EXCAVATION	1	EA	ADJUSTMENT OF CATCH BASINS
400	CY	DRAINAGE DITCH EXCAVATION	2	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3
10	HR	PROOF ROLLING	850	LF	STEEL BEAM GUARDRAIL
1,200	CY	SELECT GRANULAR MATERIAL	5	EA	ADDITIONAL GUARDRAIL POSTS
1,900	SY	GEOTEXTILE FOR SOIL STABILIZATION	2	EA	GUARDRAIL END UNITS, TYPE CAT-1
680	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	6	EA	GUARDRAIL END UNITS, TYPE TL-3
1,700	SY	FOUNDATION CONDITIONING GEOTEXTILE	4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
64	LF	15" DRAINAGE PIPE	375	LF	REMOVE & RESET EXISTING GUARDRAIL
16	LF	24" RC PIPE CULVERTS, CLASS III	550	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
88	LF	***** RC PIPE CULVERTS, CLASS IV (12")	40	TON	RIP RAP, CLASS II
1,244	LF	15" RC PIPE CULVERTS, CLASS IV	165	TON	RIP RAP, CLASS B
92	LF	18" RC PIPE CULVERTS, CLASS IV	1,065	SY	GEOTEXTILE FOR DRAINAGE
1,908	LF	24" RC PIPE CULVERTS, CLASS IV	185	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
1,088	LF	30" RC PIPE CULVERTS, CLASS IV	475	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
130	LF	PIPE REMOVAL	27	EA	SIGN ERECTION, TYPE E
270	SY	4" SLOPE PROTECTION	2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
1	TON	#57 STONE	29	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
200	CY	SHALLOW UNDERCUT	1,505	SF	WORK ZONE SIGNS (STATIONARY)
400	TON	CLASS IV SUBGRADE STABILIZATION	192	SF	WORK ZONE SIGNS (PORTABLE)
200	TON	INCIDENTAL STONE BASE	272	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
640	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	1	EA	FLASHING ARROW BOARD
1,200	SY	INCIDENTAL MILLING	28	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
5,240	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	70	EA	DRUMS
3,330	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	320	LF	BARRICADES (TYPE III)
2,700	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	200	LF	PEDESTRIAN CHANNELIZING DEVICES
560	TON	ASPHALT BINDER FOR PLANT MIX	6	DAY	FLAGGER
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	4	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES
35	EA	RIGHT-OF-WAY MARKERS	2	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY CURB RAMP
510	CY	SUBDRAIN EXCAVATION	15,937	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	4,025	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
260	CY	SUBDRAIN COARSE AGGREGATE	682	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1,500	LF	6" PERFORATED SUBDRAIN PIPE	34	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
3	EA	SUBDRAIN PIPE OUTLET	2	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
18	LF	6" OUTLET PIPE	4,309	LF	PAINT PAVEMENT MARKING LINES (4")
1.5	CY	PIPE COLLARS	194	LF	PAINT PAVEMENT MARKING LINES (8")
48	EA	MASONRY DRAINAGE STRUCTURES	718	LF	PAINT PAVEMENT MARKING LINES (24")
46.5	LF	MASONRY DRAINAGE STRUCTURES	6	EA	PAINT PAVEMENT MARKING SYMBOL
1	EA	FRAME WITH TWO GRATES, STD 840.22	825	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
2	EA	FRAME WITH TWO GRATES, STD 840.24	170	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	400	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
20	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	120	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	24	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
3	EA	FRAME WITH COVER, STD 840.54			
16	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN			
4,170	LF	1'-6" CONCRETE CURB & GUTTER			
6,290	LF	2'-6" CONCRETE CURB & GUTTER			
670	SY	4" CONCRETE SIDEWALK			



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190917 004

CONTRACT ID : C204220 46104.3.1

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.386 MI

COUNTY : YADKIN

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : MAR 14 2022

BRIDGE #105 OVER YADKIN RIVER ON US-421 NORTH BOUND LANES.

		ROADWAY ITEMS			
			1,500	LF	WOVEN WIRE FENCE, *** FABRIC (47")
			95	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			24	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			26	TON	RIP RAP, CLASS I
			1,440	TON	RIP RAP, CLASS II
			514	TON	RIP RAP, CLASS B
			5,335	SY	GEOTEXTILE FOR DRAINAGE
			1	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
			1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
			1,536	LB	SUPPORTS, SIMPLE STEEL BEAM
			1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
			1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
			2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)
			1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)
			2	EA	DISPOSAL OF SUPPORT, WOOD
			1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
			1	EA	DISPOSAL OF SIGN SYSTEM, WOOD
			279	SF	HIGH VISIBILITY STATIONARY SIGNS
			96	SF	HIGH VISIBILITY PORTABLE SIGNS
			28	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			2	EA	FLASHING ARROW BOARD
			4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			30	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
			50	EA	HIGH VISIBILITY DRUMS
			12	EA	SEQUENTIAL FLASHING WARNING LIGHTS
			24	LF	BARRICADES (TYPE III)
			3	EA	TMA
			125	EA	TEMPORARY RAISED PAVEMENT MARKERS
			1,035	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
			5,436	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
			18,411	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"
			23	EA	SNOWPLOWABLE PAVEMENT MARKERS
			8,835	LF	TEMPORARY SILT FENCE
			255	TON	STONE FOR EROSION CONTROL, CLASS A
			600	TON	STONE FOR EROSION CONTROL, CLASS B
			850	TON	SEDIMENT CONTROL STONE
			6	ACR	TEMPORARY MULCHING
			400	LB	SEED FOR TEMPORARY SEEDING
			3	TON	FERTILIZER FOR TEMPORARY SEEDING
			1,250	LF	TEMPORARY SLOPE DRAINS
			200	LF	SAFETY FENCE
			1,700	CY	SILT EXCAVATION
			15,000	SY	MATTING FOR EROSION CONTROL
			3,000	SY	COIR FIBER MAT
			750	LF	1/4" HARDWARE CLOTH
			25	LF	TEMPORARY PIPE FOR STREAM CROSSING
			12	EA	SPECIAL STILLING BASINS
			400	LF	WATTLE
			170	LB	POLYACRYLAMIDE (PAM)
			740	LF	COIR FIBER BAFFLE
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (20+65.50 -L- NB)			
	1	ACR			SUPPLEMENTARY CLEARING & GRUBBING
	450	CY			UNDERCUT EXCAVATION
Lump Sum	LS	GRADING			
	45,900	CY			BORROW EXCAVATION
	1,030	CY			DRAINAGE DITCH EXCAVATION
	7,700	CY			SELECT GRANULAR MATERIAL
	8,200	SY			GEOTEXTILE FOR SOIL STABILIZATION
	1,200	SF			TEMPORARY SHORING
	60	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
	190	SY			FOUNDATION CONDITIONING GEOTEXTILE
	208	LF			15" SIDE DRAIN PIPE
	6	EA			*** SIDE DRAIN PIPE ELBOWS (15")
	320	LF			15" RC PIPE CULVERTS, CLASS III
	36	LF			15" RC PIPE CULVERTS, CLASS IV
	208	LF			PIPE REMOVAL
	100	CY			SHALLOW UNDERCUT
	200	TON			CLASS IV SUBGRADE STABILIZATION
	3,053	TON			AGGREGATE BASE COURSE
	75	TON			INCIDENTAL STONE BASE
	1,557	GAL			PRIME COAT
	1,160	SY			INCIDENTAL MILLING
	1,070	TON			ASPHALT CONC BASE COURSE, TYPE B25.0C
	770	TON			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
	1,770	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5C
	195	TON			ASPHALT BINDER FOR PLANT MIX
	3,152	LF			MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
	45	CY			SUBDRAIN EXCAVATION
	200	SY			GEOTEXTILE FOR SUBSURFACE DRAINS
	35	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
	2	EA			FRAME WITH TWO GRATES, STD 840.22
	2	EA			FRAME WITH TWO GRATES, STD 840.29
	49	LF			SHOULDER BERM GUTTER
	2	EA			MODIFIED CONCRETE FLUME
	2,375	LF			STEEL BEAM GUARDRAIL
	10	EA			ADDITIONAL GUARDRAIL POSTS
	2	EA			GUARDRAIL END UNITS, TYPE CAT-1
	1	EA			GUARDRAIL END UNITS, TYPE TL-3
	4	EA			GUARDRAIL ANCHOR UNITS, TYPE B-77
	1,284	LF			REMOVE EXISTING GUARDRAIL
	2,137.5	LF			TEMPORARY STEEL BEAM GUARDRAIL
	4	EA			TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
	2	EA			TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
	1	EA			GENERIC GUARDRAIL ITEM
					TEMPORARY GUARDRAIL END UNITS, TYPE CAT-1

2	EA	*** SKIMMER (1-1/2")
8	ACR	SEEDING & MULCHING
4	ACR	MOWING
100	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
275	LB	SEED FOR SUPPLEMENTAL SEEDING
7.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (18+06.70 -DET- NB)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (20+65.50 -L- NB)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (20+65.50 -L- NB)
Lump Sum	LS	ASBESTOS ASSESSMENT
188	LF	***.***" DIA DRILLED PIERS IN SOIL (5'-0")
80	LF	***.***" DIA DRILLED PIERS NOT IN SOIL (5'-0")
107.84	LF	PERMANENT STEEL CASING FOR ***.***" DIA DRILLED PIER (5'-0")
6	EA	SID INSPECTIONS
12	EA	SPT TESTING
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (20+65.50 -L- NB)
18,960	SF	REINFORCED CONCRETE DECK SLAB
17,708	SF	GROOVING BRIDGE FLOORS
266.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20+65.50 -L- NB)
69,617	LB	REINFORCING STEEL (BRIDGE)
12,561	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,826.67	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
20	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
925	LF	HP12X53 STEEL PILES
959.5	LF	CONCRETE BARRIER RAIL
1,450	TON	RIP RAP CLASS II (2'-0" THICK)
1,620	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
955.5	LF	GENERIC STRUCTURE ITEM FIBER OPTIC CONDUIT SYSTEM

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L191015 001

CONTRACT ID : C204368 34542.3.6

DIV OFFICE CARTHAGE

LENGTH = 7.197 MI

COUNTY : RICHMOND

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : APR 29 2024

I-73/74 FROM US-74 BYPASS WEST OF ROCKINGHAM AT SR-1109 (ZION CHURCH RD) TO NORTH OF SR-1304 (HARRINGTON RD).

ROADWAY ITEMS					
			1,192	LF	***" RC PIPE CULVERTS, CON-TRACTOR DESIGN (72")
Lump Sum	LS	MOBILIZATION	240	LF	***" RC PIPE CULVERTS, CLASS ***** (18", V)
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	172	LF	***" RC PIPE CULVERTS, CLASS ***** (24", V)
10	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
7,298,000	CY	UNCLASSIFIED EXCAVATION	316	LF	***" RC PIPE CULVERTS, CLASS ***** (48", V)
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (101+31.22 -I-73- LT)	996	LF	***" RC PIPE CULVERTS, CLASS ***** (60", V)
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (101+31.22 -I-73- RT)	3,816	LF	15" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (301+83 -L- RT)	1,176	LF	18" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION ***** (301+86 -L- LT)	2,696	LF	24" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (11+37.00 -RPC-)	1,424	LF	30" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (24+32 -Y3-)	288	LF	36" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (88+35.81 -I-73- LT)	460	LF	42" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (88+35.81 -I-73- RT)	468	LF	60" RC PIPE CULVERTS, CLASS III
53,900	CY	UNDERCUT EXCAVATION	56	LF	66" RC PIPE CULVERTS, CLASS III
8	EA	EMBANKMENT SETTLEMENT GAUGES	760	LF	****" RC PIPE CULVERTS, CLASS IV (48")
10,169	CY	DRAINAGE DITCH EXCAVATION	12	LF	****" RC PIPE CULVERTS, CLASS IV (54")
5,850	LF	BERM DITCH CONSTRUCTION	1,156	LF	****" RC PIPE CULVERTS, CLASS IV (60")
24,830	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	92	LF	****" RC PIPE CULVERTS, CLASS IV (66")
5,870	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	168	LF	****" RC PIPE CULVERTS, CLASS IV (78")
40	HR	PROOF ROLLING	13,584	LF	15" RC PIPE CULVERTS, CLASS IV
38,000	CY	SELECT GRANULAR MATERIAL	7,440	LF	18" RC PIPE CULVERTS, CLASS IV
140,700	SY	GEOTEXTILE FOR SOIL STABILIZATION	6,168	LF	24" RC PIPE CULVERTS, CLASS IV
1,250	SF	TEMPORARY SHORING	3,552	LF	30" RC PIPE CULVERTS, CLASS IV
115,000	SY	REINFORCED SOIL SLOPES	768	LF	36" RC PIPE CULVERTS, CLASS IV
5,840	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	304	LF	42" RC PIPE CULVERTS, CLASS IV
18,360	SY	FOUNDATION CONDITIONING GEOTEXTILE	934	LF	PIPE REMOVAL
2,268	LF	15" DRAINAGE PIPE	10	EA	PIPE CLEAN OUT
1,532	LF	18" DRAINAGE PIPE	1,560	SY	4" SLOPE PROTECTION
720	LF	24" DRAINAGE PIPE	Lump Sum	LS	FINE GRADING
360	LF	30" DRAINAGE PIPE	280,090	SY	LIME TREATED SOIL (SLURRY METHOD)
40	LF	36" DRAINAGE PIPE	2,510	TON	LIME FOR LIME TREATED SOIL
100	LF	48" DRAINAGE PIPE	1,440	TON	#57 STONE
49	EA	***" DRAINAGE PIPE ELBOWS (15")	54,250	CY	SHALLOW UNDERCUT
26	EA	***" DRAINAGE PIPE ELBOWS (18")	129,500	TON	CLASS IV SUBGRADE STABILIZATION
12	EA	***" DRAINAGE PIPE ELBOWS (24")	1,000	TON	CLASS IV AGGREGATE STABILIZATION
6	EA	***" DRAINAGE PIPE ELBOWS (30")	127,249	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
1,284	LF	****" RC PIPE CULVERTS, CON-TRACTOR DESIGN (30")	11,045	TON	AGGREGATE BASE COURSE
448	LF	****" RC PIPE CULVERTS, CON-TRACTOR DESIGN (42")	280,090	SY	SOIL CEMENT BASE
316	LF	****" RC PIPE CULVERTS, CON-TRACTOR DESIGN (48")	5,839	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
300	LF	****" RC PIPE CULVERTS, CON-TRACTOR DESIGN (54")	84,040	GAL	ASPHALT CURING SEAL
232	LF	****" RC PIPE CULVERTS, CON-TRACTOR DESIGN (60")	400	TON	INCIDENTAL STONE BASE
			16,910	CY	SHOULDER BORROW
			3.4	SMI	SHOULDER RECONSTRUCTION
			30	TON	AGGREGATE SHOULDER BORROW
			8,261	GAL	PRIME COAT
			79,270	SY	MILLING ASPHALT PAVEMENT, ****" DEPTH (1-1/2")

			51	EA	GUARDRAIL END UNITS, TYPE CAT-1
			7	EA	GUARDRAIL ANCHOR UNITS, TYPE III
200	SY	INCIDENTAL MILLING	74	EA	GUARDRAIL END UNITS, TYPE TL-3
115,130	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	7	EA	GUARDRAIL END UNITS, TYPE TL-2
95,700	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	28	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
5,660	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	6	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83
86,135	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	27,140	LF	REMOVE EXISTING GUARDRAIL
15,330	TON	ASPHALT BINDER FOR PLANT MIX	1	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
705	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	33,560	LF	DOUBLE FACED CABLE GUIDERAIL
10,870	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED	30	EA	ADDITIONAL GUIDERAIL POSTS
12	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	45	EA	CABLE GUIDERAIL ANCHOR UNITS
111,640	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	68,030	LF	WOVEN WIRE FENCE, 47" FABRIC
210	EA	RIGHT-OF-WAY MARKERS	4,370	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
12,735	CY	SUBDRAIN EXCAVATION	850	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
29,200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	200	LF	ADDITIONAL BARBED WIRE
1,462	CY	SUBDRAIN FINE AGGREGATE	2,520	TON	RIP RAP, CLASS I
4,906	CY	SUBDRAIN COARSE AGGREGATE	235	TON	RIP RAP, CLASS II
39,900	LF	6" PERFORATED SUBDRAIN PIPE	3,742	TON	RIP RAP, CLASS B
77	EA	SUBDRAIN PIPE OUTLET	210	TON	BOULDERS
462	LF	6" OUTLET PIPE	21,210	SY	GEOTEXTILE FOR DRAINAGE
25,950	LF	SHOULDER DRAIN	63	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
25,950	LF	4" SHOULDER DRAIN PIPE	5	CY	PLAIN CONCRETE SIGN FOUNDATIONS
1,900	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	426	CY	OVERHEAD FOOTING
8	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	52,242	LB	SUPPORTS, BREAKAWAY STEEL BEAM
20	TON	BLOTTING SAND	18,963	LB	SUPPORTS, SIMPLE STEEL BEAM
2	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	9,131	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
35	CY	ENDWALLS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (114+00 -I-73-)
115	CY	REINFORCED ENDWALLS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (130+50 -US-74-)
7	CY	PIPE COLLARS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (141+50 -L- LT)
125	CY	FLOWABLE FILL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (167+50 -L- LT)
369	EA	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+50 -L2- RT)
79	CY	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (24+50 -L2-)
140	LF	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (39+00 -L2 REV-)
1	EA	FRAME WITH GRATE, STD 840.**** (840.20)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (66+00 -US-74-)
3	EA	FRAME WITH GRATE, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (75+00 -I-73-)
151	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (80+00 -I-73-)
191	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (97+00 -I-73-)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 1600' EAST OF HALF-MIL ESIGN)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
15	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
5	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
720	EA	GENERIC DRAINAGE ITEM HORIZONTAL SLOPE DRAIN	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
5,970	SY	GENERIC DRAINAGE ITEM 4" CELLULAR CONFINEMENT SYSTEM	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
72,650	SY	GENERIC DRAINAGE ITEM 6" CELLULAR CONFINEMENT SYSTEM	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (US-74, 320' WEST OF EXIT SIGN)
2,350	LF	2'-6" CONCRETE CURB & GUTTER	63	EA	SIGN ERECTION, TYPE D
17,915	LF	SHOULDER BERM GUTTER	212	EA	SIGN ERECTION, TYPE E
4,435	LF	CONCRETE EXPRESSWAY GUTTER	67	EA	SIGN ERECTION, TYPE F
320	SY	4" CONCRETE PAVED DITCH	8	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
260	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	4	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
3,720	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	93	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE	48	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING TRAFFIC BEARING DI TO TRAFFIC BEARING JB W/LID			
4	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3			
67,950	LF	STEEL BEAM GUARDRAIL			
150	LF	STEEL BEAM GUARDRAIL, SHOP CURVED			
20	EA	ADDITIONAL GUARDRAIL POSTS			

			25	EA	PERMANENT RAISED PAVEMENT MARKERS
			3,175	EA	SNOWFLOWABLE PAVEMENT MARKERS
			18	EA	7' U-CHANNEL POSTS
			18	EA	OBJECT MARKERS (END OF ROAD)
			507	LF	*** WATER LINE (36")
			1,586	LF	6" WATER LINE
			10,749	LF	20" WATER LINE
			49,485	LB	DUCTILE IRON WATER PIPE FITTINGS
			1	EA	*** VALVE (36")
			6	EA	6" VALVE
			9	EA	20" VALVE
			10	EA	2" AIR RELEASE VALVE
			4	EA	RELOCATE FIRE HYDRANT
			46	LF	FIRE HYDRANT LEG
			475	LF	ABANDON *** UTILITY PIPE (36")
			7,607	LF	ABANDON 20" UTILITY PIPE
			6	EA	REMOVE WATER METER
			326	LF	*** ENCASEMENT PIPE (54")
			340	LF	30" ENCASEMENT PIPE
			939	LF	36" ENCASEMENT PIPE
			719	LF	BORE AND JACK OF *** (36")
			864	LF	DIRECTIONAL DRILLING OF *** (6")
			275,950	LF	TEMPORARY SILT FENCE
			5,190	TON	STONE FOR EROSION CONTROL, CLASS A
			208,975	TON	STONE FOR EROSION CONTROL, CLASS B
			106,375	TON	SEDIMENT CONTROL STONE
			875.5	ACR	TEMPORARY MULCHING
			31,700	LB	SEED FOR TEMPORARY SEEDING
			160	TON	FERTILIZER FOR TEMPORARY SEEDING
			112,390	LF	TEMPORARY SLOPE DRAINS
			400	LF	SAFETY FENCE
			366,100	CY	SILT EXCAVATION
			513,055	SY	MATTING FOR EROSION CONTROL
			116,810	SY	COIR FIBER MAT
			115,220	SY	PERMANENT SOIL REINFORCEMENT MAT
			8,550	LF	1/4" HARDWARE CLOTH
			1,860	LF	*** TEMPORARY PIPE (24")
			45	LF	*** TEMPORARY PIPE (36")
			125	LF	TEMPORARY PIPE FOR STREAM CROSSING
			7,917	CY	STILLING BASINS
			1	EA	SPECIAL STILLING BASINS
			28,680	LF	COIR FIBER WATTLE
			55,282	LF	WATTLE BARRIER
			32,495	LB	POLYACRYLAMIDE (PAM)
			129,490	LF	COIR FIBER BAFFLE
			61	EA	*** SKIMMER (1-1/2")
			26	EA	*** SKIMMER (2")
			17	EA	*** SKIMMER (2-1/2")
			1	EA	*** SKIMMER (3")
			1,041	ACR	SEEDING & MULCHING
			1,203	ACR	MOWING
			8,350	LB	SEED FOR REPAIR SEEDING
			51.5	TON	FERTILIZER FOR REPAIR SEEDING
			25,600	LB	SEED FOR SUPPLEMENTAL SEEDING
			767.25	TON	FERTILIZER TOPDRESSING
			1,506	LF	IMPERVIOUS DIKE
			20	MHR	SPECIALIZED HAND MOWING
			300	EA	RESPONSE FOR EROSION CONTROL
			25	EA	CONCRETE WASHOUT STRUCTURE
			2,800	CY	CULVERT DIVERSION CHANNEL
			24	ACR	REFORESTATION
			1.25	ACR	STREAMBANK REFORESTATION
			24	ACR	GENERIC EROSION CONTROL ITEM COMPOST BLANKET
12	EA	SIGN ERECTION, MILEMARKERS			
20	EA	DISPOSAL OF SUPPORT, STEEL BEAM			
6	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD			
40	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM			
141	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
15	EA	DISPOSAL OF SIGN SYSTEM, WOOD			
9	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)			
14	EA	DISPOSAL OF SIGN, A & B (GROUND MOUNTED)			
1	EA	DISPOSAL OF WALKWAY			
1,205	SF	WORK ZONE SIGNS (STATIONARY)			
504	SF	HIGH VISIBILITY STATIONARY SIGNS			
620	SF	WORK ZONE SIGNS (PORTABLE)			
529	SF	HIGH VISIBILITY PORTABLE SIGNS			
213	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
8	EA	FLASHING ARROW BOARD			
7	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
4	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)			
212	EA	DRUMS			
599	EA	HIGH VISIBILITY DRUMS			
212	EA	CONES			
320	LF	BARRICADES (TYPE III)			
38	DAY	FLAGGER			
5	EA	TEMPORARY CRASH CUSHIONS			
3	EA	REMOVE & RESET TEMPORARY CRASH CUSHION			
5	EA	TMA			
5,345	LF	PORTABLE CONCRETE BARRIER			
690	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER			
212	EA	SKINNY DRUM			
291	EA	TEMPORARY RAISED PAVEMENT MARKERS			
42,782	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
277,291	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)			
19,445	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)			
67	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
843	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)			
1,032	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)			
3,938	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)			
2,807	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)			
108,697	LF	PAINT PAVEMENT MARKING LINES (4")			
211,932	LF	PAINT PAVEMENT MARKING LINES (6")			
17,510	LF	PAINT PAVEMENT MARKING LINES (12")			
438	LF	PAINT PAVEMENT MARKING LINES (24")			
16	EA	PAINT PAVEMENT MARKING CHARACTER			
49	EA	PAINT PAVEMENT MARKING SYMBOL			
236,955	SF	WORK ZONE TRAFFIC PATTERN MASKING			
3,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
2,841	LF	REMOVAL OF PAVEMENT MARKING LINES (6")			
590	LF	REMOVAL OF PAVEMENT MARKING LINES (12")			
42	LF	REMOVAL OF PAVEMENT MARKING LINES (24")			
3	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS			
207	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)			



**CULVERT ITEMS**

			2,849.72	LF	CONCRETE BARRIER RAIL
			3,781.7	SY	4" SLOPE PROTECTION
			Lump Sum	LS	ELASTOMERIC BEARINGS
			Lump Sum	LS	FOAM JOINT SEALS
			Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (98+63.10 -I-73-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (13+11.60 -LPC-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (263+33.60 -L-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (32+75.27 -RPC-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (42+81.80 -L2 REV-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (8+68.70 -LPB-)			
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (98+63.10 -I-73-)			
4,240	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT			
10,579.7	CY	CLASS A CONCRETE (CULVERT)			
807,642	LB	REINFORCING STEEL (CULVERT)			

**WALL ITEMS**

7,430	SF	MSE RETAINING WALL NO **** (1)
5,345	SF	MSE RETAINING WALL NO **** (2)
3,275	SF	MSE RETAINING WALL NO **** (3)
2,200	SF	MSE RETAINING WALL NO **** (4)
3,360	SF	MSE RETAINING WALL NO **** (5)
2,450	SF	MSE RETAINING WALL NO **** (6)

**STRUCTURE ITEMS**

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 101+31.22 -I-73- LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 101+31.22 -I-73- RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 24+31.67 -Y3-)
55	LF	PILE EXCAVATION IN SOIL
245	LF	PILE EXCAVATION NOT IN SOIL
8	EA	PDA TESTING
57,965	SF	REINFORCED CONCRETE DECK SLAB
63,410	SF	GROOVING BRIDGE FLOORS
1,234.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (101+31.22 -I-73- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (101+31.22 -I-73- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+47.77 -RPC-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+31.67 -Y3-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (301+83.52 -L- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (301+83.52 -L- RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (88+35.81 -I-73- LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (88+35.81 -I-73- RT)
188,521	LB	REINFORCING STEEL (BRIDGE)
8,500	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
6,678.92	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
191	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 73)
8,920	LF	HP14X73 STEEL PILES
130	EA	STEEL PILE POINTS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L191015 002

CONTRACT ID : C204181 34446.3.4

DIV OFFICE ALBEMARLE

LENGTH = 6.908 MI

COUNTY : STANLY, MONTGOMERY

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.

DBE GOAL 11.0% COMPLETION DATE : DEC 28 2023

NC-24/27 FROM NC 740 (SPAULDING ST) IN ALBERMARLE TO EAST OF THE PEE DEE RIVER.

ROADWAY ITEMS					
			196	LF	66" RC PIPE CULVERTS, CLASS III
			44	LF	**** RC PIPE CULVERTS, CLASS IV (48")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	248	LF	**** RC PIPE CULVERTS, CLASS IV (72")
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
4	EA	SEALING ABANDONED WELLS	8,144	LF	15" RC PIPE CULVERTS, CLASS IV
477,000	CY	UNCLASSIFIED EXCAVATION	3,012	LF	18" RC PIPE CULVERTS, CLASS IV
7,000	CY	UNDERCUT EXCAVATION	1,684	LF	24" RC PIPE CULVERTS, CLASS IV
53,400	SY	PRE-SPLITTING OF ROCK	1,168	LF	30" RC PIPE CULVERTS, CLASS IV
316,000	CY	BORROW EXCAVATION	656	LF	36" RC PIPE CULVERTS, CLASS IV
10,500	CY	DRAINAGE DITCH EXCAVATION	1,280	LF	42" RC PIPE CULVERTS, CLASS IV
72,600	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	4	LF	**** HDPE PIPE CULVERTS (8")
3,120	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT	56	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")
23,450	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	720	LF	15" CS PIPE CULVERTS, 0.064" THICK
30	HR	PROOF ROLLING	488	LF	18" CS PIPE CULVERTS, 0.064" THICK
5,000	CY	SELECT GRANULAR MATERIAL, CLASS III	64	LF	24" CS PIPE CULVERTS, 0.064" THICK
11,500	CY	SELECT GRANULAR MATERIAL	80	LF	30" CS PIPE CULVERTS, 0.079" THICK
246,750	SY	GEOTEXTILE FOR SOIL STABILIZATION	31	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
29,800	SF	TEMPORARY SHORING	23	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
375	SY	ROCK PLATING	2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")
2,350	SY	REINFORCED SOIL SLOPES	4	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
500	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	2	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")
5,280	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	11,448	LF	PIPE REMOVAL
16,580	SY	FOUNDATION CONDITIONING GEOTEXTILE	Lump Sum	LS	FINE GRADING
60	LF	*** DRAINAGE PIPE (4")	118,100	SY	LIME TREATED SOIL (SLURRY METHOD)
136	LF	12" DRAINAGE PIPE	1,420	TON	LIME FOR LIME TREATED SOIL
9,644	LF	15" DRAINAGE PIPE	750	CY	SHALLOW UNDERCUT
3,388	LF	18" DRAINAGE PIPE	2,200	TON	CLASS IV SUBGRADE STABILIZATION
1,600	LF	24" DRAINAGE PIPE	250	TON	STABILIZER AGGREGATE
1,828	LF	30" DRAINAGE PIPE	62,000	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
108	LF	36" DRAINAGE PIPE	6,710	TON	AGGREGATE BASE COURSE
740	LF	42" DRAINAGE PIPE	118,100	SY	SOIL CEMENT BASE
348	LF	48" DRAINAGE PIPE	3,310	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
1,152	LF	15" SIDE DRAIN PIPE	2,320	TON	AGGREGATE FOR SOIL CEMENT BASE
336	LF	18" SIDE DRAIN PIPE	5,000	TON	INCIDENTAL STONE BASE
100	LF	24" SIDE DRAIN PIPE	6,200	GAL	PRIME COAT
276	LF	**** RC PIPE CULVERTS, CLASS ***** (15", V)	16,300	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 3")
340	LF	**** RC PIPE CULVERTS, CLASS ***** (18", V)	3,560	SY	INCIDENTAL MILLING
52	LF	**** RC PIPE CULVERTS, CLASS ***** (30", V)	75,850	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
424	LF	**** RC PIPE CULVERTS, CLASS ***** (48", V)	62,610	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
2,816	LF	15" RC PIPE CULVERTS, CLASS III	8,740	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,352	LF	18" RC PIPE CULVERTS, CLASS III	59,810	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,148	LF	24" RC PIPE CULVERTS, CLASS III	10,595	TON	ASPHALT BINDER FOR PLANT MIX
1,148	LF	30" RC PIPE CULVERTS, CLASS III	3,200	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
1,828	LF	36" RC PIPE CULVERTS, CLASS III	470	SY	***** PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (8")
424	LF	42" RC PIPE CULVERTS, CLASS III	112	CY	SUBDRAIN EXCAVATION
504	LF	48" RC PIPE CULVERTS, CLASS III	84	CY	SUBDRAIN FINE AGGREGATE
184	LF	60" RC PIPE CULVERTS, CLASS III			

			7,000	LF	TEMP *** WOVEN WIRE FENCE, COMPLETE W/POSTS (47")
			5,900	TON	RIP RAP, CLASS I
			50	TON	RIP RAP, CLASS II
			3,470	TON	RIP RAP, CLASS B
			20,120	SY	GEOTEXTILE FOR DRAINAGE
			1	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
			2	CY	PLAIN CONCRETE SIGN FOUNDATIONS
			1,472	LB	SUPPORTS, BREAKAWAY STEEL BEAM
			1,216	LB	SUPPORTS, SIMPLE STEEL BEAM
			7,085	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			21	EA	SIGN ERECTION, TYPE D
			336	EA	SIGN ERECTION, TYPE E
			56	EA	SIGN ERECTION, TYPE F
			6	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
			3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
			209	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			9	EA	DISPOSAL OF SIGN, D, E OR F
			3,046	SF	WORK ZONE SIGNS (STATIONARY)
			1,701	SF	WORK ZONE SIGNS (PORTABLE)
			1,706	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			2	EA	FLASHING ARROW BOARD
			2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			2,000	EA	DRUMS
			300	EA	CONES
			1,168	LF	BARRICADES (TYPE III)
			976	DAY	FLAGGER
			20	EA	TEMPORARY CRASH CUSHIONS
			9	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
			2	EA	TMA
			4,410	LF	PORTABLE CONCRETE BARRIER
			2,860	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
			120	HR	LAW ENFORCEMENT
			400	EA	SKINNY DRUM
			3,847	EA	TEMPORARY RAISED PAVEMENT MARKERS
			193,643	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			29,927	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
			2,075	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
			4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
			377	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			5,317	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
			6,750	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
			802,500	LF	PAINT PAVEMENT MARKING LINES (4")
			13,022	LF	PAINT PAVEMENT MARKING LINES (8")
			360	LF	PAINT PAVEMENT MARKING LINES (12")
			4,122	LF	PAINT PAVEMENT MARKING LINES (24")
			16	EA	PAINT PAVEMENT MARKING CHARACTER
			382	EA	PAINT PAVEMENT MARKING SYMBOL
			90,916	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			1,060	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
			45	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
			602	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
			55	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
			740	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
			8	EA	PERMANENT RAISED PAVEMENT MARKERS
			3,070	EA	SNOWFLOWABLE PAVEMENT MARKERS
			1,378	LF	2" WATER LINE
			1,768	LF	6" WATER LINE
500	LF	6" PERFORATED SUBDRAIN PIPE			
1	EA	SUBDRAIN PIPE OUTLET			
6	LF	6" OUTLET PIPE			
30,330	LF	SHOULDER DRAIN			
30,330	LF	4" SHOULDER DRAIN PIPE			
2,550	LF	4" OUTLET PIPE FOR SHOULDER DRAINS			
70	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET			
20	TON	BLOTTING SAND			
61	CY	ENDWALLS			
28	CY	REINFORCED ENDWALLS			
2	CY	PIPE COLLARS			
1	CY	PIPE PLUGS			
124	CY	FLOWABLE FILL			
446	EA	MASONRY DRAINAGE STRUCTURES			
6	CY	MASONRY DRAINAGE STRUCTURES			
293	LF	MASONRY DRAINAGE STRUCTURES			
23	EA	FRAME WITH TWO GRATES, STD 840.16			
59	EA	FRAME WITH TWO GRATES, STD 840.20			
159	EA	FRAME WITH TWO GRATES, STD 840.22			
10	EA	FRAME WITH TWO GRATES, STD 840.24			
22	EA	FRAME WITH TWO GRATES, STD 840.29			
13	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
60	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
64	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
11	EA	FRAME WITH COVER, STD 840.54			
17	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN			
42	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET			
210	EA	GENERIC DRAINAGE ITEM SANDBAGS			
Lump Sum	LS	GENERIC DRAINAGE ITEM FILTRATION BASIN #1			
Lump Sum	LS	GENERIC DRAINAGE ITEM FILTRATION BASIN #2			
335	LF	***X *** CONCRETE CURB (8" X 18")			
180	LF	*** *** CONCRETE CURB & GUTTER (2'-0")			
6,980	LF	1'-6" CONCRETE CURB & GUTTER			
20,350	LF	2'-6" CONCRETE CURB & GUTTER			
5,270	LF	SHOULDER BERM GUTTER			
2	EA	MODIFIED CONCRETE FLUME			
7,840	SY	4" CONCRETE SIDEWALK			
70	EA	CONCRETE CURB RAMPS			
2,240	SY	6" CONCRETE DRIVEWAY			
33	SY	4" CONCRETE PAVED DITCH			
11,050	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
330	SY	*** MONOLITHIC CONCRETE MEDIAN (*****) (5", KEYED IN)			
17	EA	GENERIC PAVING ITEM PRECAST CONCRETE PARKING CURBS			
1	EA	ADJUSTMENT OF CATCH BASINS			
51	EA	ADJUSTMENT OF MANHOLES			
228	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
9,925	LF	STEEL BEAM GUARDRAIL			
200	LF	STEEL BEAM GUARDRAIL, SHOP CURVED			
25	EA	ADDITIONAL GUARDRAIL POSTS			
2	EA	GUARDRAIL END UNITS, TYPE AT-1			
13	EA	GUARDRAIL END UNITS, TYPE CAT-1			
37	EA	GUARDRAIL END UNITS, TYPE TL-3			
2	EA	GUARDRAIL END UNITS, TYPE TL-2			
2,175	LF	REMOVE EXISTING GUARDRAIL			
10,775	LF	TEMPORARY STEEL BEAM GUARDRAIL			
250	LF	TEMPORARY STEEL BEAM GUARDRAIL (SHOP CURVED)			
40	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)			

3,922	LF	8" WATER LINE	56	LF	*** TEMPORARY PIPE (30")
167	LF	10" WATER LINE	80	LF	*** TEMPORARY PIPE (36")
39,165	LF	12" WATER LINE	134	LF	*** TEMPORARY PIPE (42")
61,285	LB	DUCTILE IRON WATER PIPE FITTINGS	2,300	LF	*** TEMPORARY PIPE (48")
6	EA	2" VALVE	40	LF	*** TEMPORARY PIPE (54")
67	EA	6" VALVE	40	LF	*** TEMPORARY PIPE (60")
34	EA	8" VALVE	275	LF	TEMPORARY PIPE FOR STREAM CROSSING
2	EA	10" VALVE	1,670	SY	FLOATING TURBIDITY CURTAIN
76	EA	12" VALVE	50	EA	SPECIAL STILLING BASINS
1	EA	6" TAPPING SLEEVE & VALVE	3,700	LF	COIR FIBER WATTLE
4	EA	8" TAPPING SLEEVE & VALVE	530	LF	COIR FIBER WATTLE BARRIER
1	EA	10" TAPPING SLEEVE & VALVE	3,300	LB	POLYACRYLAMIDE (PAM)
3	EA	2" BLOW OFF	2,000	LF	COIR FIBER BAFFLE
5	EA	*** WATER METER (1")	51	EA	*** SKIMMER (1-1/2")
88	EA	3/4" WATER METER	6	EA	*** SKIMMER (2")
3	EA	2" WATER METER	1	EA	*** SKIMMER (4")
12	EA	RELOCATE WATER METER	273	ACR	SEEDING & MULCHING
28	EA	RECONNECT WATER METER	321	ACR	MOWING
3	EA	*** RPZ BACKFLOW PREVENTION ASSEMBLY (1")	5,200	LB	SEED FOR REPAIR SEEDING
1	EA	*** RPZ BACKFLOW PREVENTION ASSEMBLY (3/4")	13.75	TON	FERTILIZER FOR REPAIR SEEDING
3	EA	2" RPZ BACKFLOW PREVENTION ASSEMBLY	6,825	LB	SEED FOR SUPPLEMENTAL SEEDING
29	EA	FIRE HYDRANT	205	TON	FERTILIZER TOPDRESSING
3	EA	RELOCATE FIRE HYDRANT	450	LF	IMPERVIOUS DIKE
335	LF	FIRE HYDRANT LEG	10	MHR	SPECIALIZED HAND MOWING
10,168	LF	WATER SERVICE LINE	150	EA	RESPONSE FOR EROSION CONTROL
1,904	LF	8" SANITARY GRAVITY SEWER	10	EA	CONCRETE WASHOUT STRUCTURE
4,316	LF	10" SANITARY GRAVITY SEWER	8	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
1,916	LF	12" SANITARY GRAVITY SEWER	16	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
1,319	LF	4" FORCE MAIN SEWER	2,045	SY	GENERIC EROSION CONTROL ITEM IMPERVIOUS PLASTIC
865	LF	12" FORCE MAIN SEWER	8	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
29	EA	SANITARY SEWER CLEAN-OUT	5,050	LF	SIGNAL CABLE
1,993	LF	SEWER SERVICE LINE	27	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
4,085	LB	DUCTILE IRON SEWER PIPE FITTINGS	7	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
1	EA	UTILITY VAULT	560	LF	MESSENGER CABLE (1/4")
51	EA	4" DIA UTILITY MANHOLE	1,550	LF	MESSENGER CABLE (3/8")
189	LF	UTILITY MANHOLE WALL 4' DIA	1,300	LF	UNPAVED TRENCHING (***** (1, 2"))
655	LF	ABANDON *** UTILITY PIPE (2")	240	LF	UNPAVED TRENCHING (***** (2, 2"))
1,345	LF	ABANDON 6" UTILITY PIPE	75	LF	UNPAVED TRENCHING (***** (4, 2"))
9,129	LF	ABANDON 8" UTILITY PIPE	170	LF	DIRECTIONAL DRILL (***** (1, 2"))
4,082	LF	ABANDON 10" UTILITY PIPE	23	EA	JUNCTION BOX (STANDARD SIZE)
36,003	LF	ABANDON 12" UTILITY PIPE	3	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
97	EA	REMOVE WATER METER	2	EA	WOOD POLE
29	EA	REMOVE FIRE HYDRANT	8	EA	GUY ASSEMBLY
36	EA	REMOVE UTILITY MANHOLE	1	EA	1" RISER WITH WEATHERHEAD
120	LF	16" ENCASEMENT PIPE	2	EA	2" RISER WITH WEATHERHEAD
40	LF	20" ENCASEMENT PIPE	1	EA	2" RISER WITH HEAT SHRINK TUBING
280	LF	24" ENCASEMENT PIPE	3,150	LF	INDUCTIVE LOOP SAWCUT
120	LF	BORE AND JACK OF *** (16")	10,700	LF	LEAD-IN CABLE (***** (14-2))
40	LF	BORE AND JACK OF *** (20")	2	EA	SITE SURVEY
280	LF	BORE AND JACK OF *** (24")	7	EA	LUMINAIRE ARM FOR VIDEO SYSTEM
Lump Sum	LS	SANITARY SEWER PUMP STATION	7	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
182,000	LF	TEMPORARY SILT FENCE	2	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
4,550	TON	STONE FOR EROSION CONTROL, CLASS A	8	EA	RELOCATE CAMERA SENSOR UNIT
18,100	TON	STONE FOR EROSION CONTROL, CLASS B	600	LF	DROP CABLE
38,000	TON	SEDIMENT CONTROL STONE	1	EA	SPLICE ENCLOSURE
512.5	ACR	TEMPORARY MULCHING	1	EA	MODIFY SPLICE ENCLOSURE
19,500	LB	SEED FOR TEMPORARY SEEDING	1	EA	INTERCONNECT CENTER
97.5	TON	FERTILIZER FOR TEMPORARY SEEDING	4	EA	METAL STRAIN SIGNAL POLE
1,810	LF	TEMPORARY SLOPE DRAINS	4	EA	SOIL TEST
10,400	LF	SAFETY FENCE	24	CY	DRILLED PIER FOUNDATION
30,930	CY	SILT EXCAVATION	10	EA	SIGN FOR SIGNALS
220,000	SY	MATTING FOR EROSION CONTROL	8	EA	TYPE II PEDESTAL WITH FOUNDATION
100	SY	COIR FIBER MAT	1	EA	SIGNAL CABINET FOUNDATION
2,030	SY	PERMANENT SOIL REINFORCEMENT MAT			
31,280	LF	1/4" HARDWARE CLOTH			
36	LF	*** TEMPORARY PIPE (15")			
40	LF	*** TEMPORARY PIPE (18")			
1,320	LF	*** TEMPORARY PIPE (24")			

1	EA	CONTROLLERS WITH CABINET (***** (2070E, BASE MOUNTED)
13	EA	DETECTOR CARD (TYPE 170)
1	EA	CABINET BASE EXTENDER
200	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE

**CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+95.00 -Y2-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (305+27.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (363+00.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (38+76.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (381+64.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (53+01.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (93+58.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (24+95.00 -Y2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (305+27.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (363+00.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (38+76.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (381+64.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (53+01.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (93+58.00 -L-)
1,422	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
2,349.6	CY	CLASS A CONCRETE (CULVERT)
325,427	LB	REINFORCING STEEL (CULVERT)