

IMPORTANT NOTICE:

The 2024 NCDOT Standard Specifications and 2024 NCDOT Roadway Standard Drawings are now available on-line, and can be found here: [Contract Standards and Development Unit \(ncdot.gov\)](https://www.ncdot.gov/contractstandards). Additional content has been posted to be used along with these documents, which can be accessed at this link as well, under the 2024 Specifications and Standard Drawings websites or the Contracts Resources website. This includes memos with a summary of changes, Special Provisions to use with 2024 Standard Specifications, new instructions, updated spreadsheets with general notes for both ORD and SS2, etc. **Printed copies of the 2024 Standard Specifications and 2024 Roadway Standard Drawings will be available starting in September.**

PLEASE NOTE THAT ALL PROJECTS WITH A JANUARY 2024 OR LATER LET DATE SHALL BE PREPARED IN ACCORDANCE WITH THE NEW 2024 STANDARD SPECIFICATIONS AND 2024 ROADWAY STANDARD DRAWINGS.

This information is meant to be shared state-wide, so please feel free to forward this information to others who may need to be made aware, including but not limited to, Division representatives, private engineering firms, GESCs, industry representatives, et al.

Thank you.

Nicole M. Hackler, P.E.
State Plans & Standards Engineer
North Carolina Department of Transportation

919 707 6950 office

nmhackler@ncdot.gov

1020 Birch Ridge Drive (Delivery Only)
1591 Mail Service Center
Raleigh, North Carolina 27699-1591





STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

**IMPORTANT INFORMATION
PLEASE READ**

TO PREQUALIFIED BIDDERS AND PURCHASE ORDER PRIMES:

The requirements for bidding on NCDOT construction projects are changing. The current requirement to purchase plans or a proposal to be eligible to bid will be replaced by a requirement to register for the *Interested Parties List*. This change will be effective for any Central or Division letting June 1, 2022 and later.

For any letting June 1, 2022 and later:

Contractors bidding on NCDOT contracts must sign up for the *Interested Parties List* for each project they intend to submit bids on. As part of this new requirement, Contractors must sign up for the *Interested Parties List* no later than one business day prior to the Letting Date.

The purchase of plans or proposals will no longer be required to bid on NCDOT Central Let projects and will be replaced by the new requirement above to sign up for the *Interested Parties List*. Plans will continue to be available for purchase, however anyone who purchases plans shall still sign up for the *Interested Parties List* to be eligible to bid.

A one-page quick guide follows this letter and the quick guide a more detailed walkthrough on signing up for the *Interested Parties List* can be found on the Central and Division Letting Resources pages at the links below:

<https://connect.ncdot.gov/letting/Pages/Central.aspx>

<https://connect.ncdot.gov/letting/Pages/Division-Letting-Resources.aspx>

The links and functionality described in the guides will be available on our website in the near future. For more information or assistance with this new process please submit any questions to InterestedPartiesHelp@ncdot.gov.

For additional assistance with general bidding related questions please email AWPhelp@ncdot.gov.

Ronald E. Davenport, Jr., PE
State Contract Officer

DocuSigned by:
Ronald E. Davenport, Jr.
F81B6038A47A442...



Interested Parties List

To **register to bid on an upcoming NCDOT construction contract**, or to register in general to be notified about updates for selected upcoming contracts to be let, add your firm to the Interested Parties list for each contract in which you are interested. Interested parties will be informed by mail whenever there are addenda or other changes to the planned letting.

You are no longer required to be a Plan Holder to bid for any lettings occurring June 1, 2022, or later.

Interested parties and authorized bidders MUST sign up at least one full business day prior to the let date.

To Register:

1. Navigate to the details page for the selected contract. Press **Interested Parties for this letting** or go directly to the overall [Interested Parties list](#)
2. Press **Add Firm** and find your firm using the Search box. Select your firm name and press **Next**
3. Complete the contact information for the person to be notified of changes and press **Next**
4. Review the list of upcoming Central and Division contracts and select the upcoming contract(s) in which you are interested and press **Next**.
There is no need to register again for contracts for which you have previously registered.
5. The confirmation page will summarize your entered information. Press **Submit**.
6. A confirmation email will be sent to the provided address. Within one hour, the firm will appear on the publicly viewable Interested Parties list for each of the specified contracts. Allow five business days for NCDOT staff to upload your firm as an authorized bidder in Bid Express.

Email InterestedPartiesHelp@ncdot.gov if you have any problems registering.



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IMPORTANT NOTICE

Upcoming Opportunities for DBE Firms to Participate on NCDOT Projects

As part of the North Carolina Department of Transportation's continuing commitment to promote Disadvantaged/Minority/Women Business Enterprise (D/M/WBE) participation, the Division of Highways Chief Engineer's Office would like to remind you of the broad range of construction, maintenance, and operational opportunities available within NCDOT. One of these opportunities is the monthly advertisement of Central Let projects with letting held on the third Tuesday of each month. NCDOT is requesting bids for the following projects. If your firm is eligible to bid (i.e., prequalified as a Bidder), you can download and print the bid related items from this list.



[Central Highway Letting](#)

If you are interested in providing subcontractor work for any of these projects, we strongly encourage you to solicit each of the contractors bidding on these projects to see if they are interested in receiving a quote. A list of interested parties with their contact information is listed for each project being advertised.



[Central Plan Holder List](#)

I would like to personally thank you for your time in considering this opportunity with the North Carolina Department of Transportation.

Sincerely,

Ronald L. Keeter, Jr, PE
Chief Engineer
Division of Highways

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
OFFICE OF THE CHIEF ENGINEER
MAIL SERVICE CENTER 1536
RALEIGH, NC 27699-1536

Telephone 919-707-2500
Fax: 919-733-9428
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27601



2023 NCDOT TECHNICAL TRAINING SCHEDULE



RALEIGH

Wake Technical Community College
Western Wake Campus
3434 Kildaire Farm Road
Cary, N.C. 27518

CHARLOTTE

Central Piedmont Community College
Central Campus
1201 Elizabeth Ave.
Charlotte, N.C. 28204

ASHEVILLE

Asheville-Buncombe Technical Community College
Enka Campus
1465 Sand Hill Road
Candler, N.C. 28715

GREENVILLE

Pitt Community College
Greenville Center
3107 S. Memorial Drive
Greenville, N.C. 27834

MONTH	COURSE TOPICS	RALEIGH	CHARLOTTE	ASHEVILLE	GREENVILLE
March	Erosion Control	March 9	March 16	March 23	March 30
April	Incidental Concrete	April 6	April 13	April 20	n/a
May	Concrete Barrier Bridge Rail	May 4	May 11	May 18	n/a
June	Pavement Markings	June 1	June 8	n/a	June 15
July	Pipe Installation	July 13	July 20	n/a	July 27
August	Guardrail Installation	Aug. 3	Aug. 17	Aug. 24	Aug. 31
September	Work Zone Traffic Control	Sept. 7	Sept. 14	Sept. 21	Sept. 28
October	Water/Sewer & Manhole Adjustments	Oct. 5	Oct. 12	n/a	n/a
November	Utility Installation & Removal	Nov. 2	Nov. 9	n/a	n/a

The 2023 N.C. Department of Transportation Technical Training Series is a pilot program that will offer various courses to small highway construction contractors interested in working on NCDOT projects. Each course will cover NCDOT Standard Specifications and Drawings, equipment requirements, bidding and estimating, project management, invoicing and payment, and more. Courses will be held in Raleigh, Charlotte, Asheville and Greenville and will be taught in person by NCDOT engineers, prime contractors, and other industry professionals. To register, please visit the website: www.ncdot.gov/highwaystechtraining. For questions, please email: ccu@ncdot.gov or call: 984-810-9276.



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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISIONS) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN THE CONTRACT STANDARDS AND DEVELOPMENT UNIT RIVERWOOD CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. OR VIA THE WEBCAST AT **2:00 PM** ON NOVEMBER 21, 2023. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2:00 PM.

1. THE BIDDER SHALL SELF REGISTER AT THE FOLLOWING WEBSITE FOR EACH PROJECT FOR WHICH THEY INTEND TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID

<https://connect.ncdot.gov/letting/pages/Interested-Parties.aspx>

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 THEY ELECT 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, EXECUTED PAYMENT AND PERFORMANCE BONDS, AND OPTIONAL BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT FORM (SPA-1) 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>. BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT FORM (SPA-1) IS AVAILABLE AT THE FOLLOWING WEBSITE <https://connect.ncdot.gov/letting/Pages/Central-Letting-Resources.aspx>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE EMAILED TO THE STATE CONTRACT OFFICER AT ContractOfficer@ncdot.gov.

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 CONTRACTOR'S LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, VISIT THE CONTRATOR LICENSING BOARD WEBSITE AT <https://www.nclbgc.org> OR EMAIL licensing@nclbgc.org.

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 PREQUALIFICATION SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT AT <https://connect.ncdot.gov/business/Prequal/Pages/default.aspx>. 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 VISITING THE WEBSITE AT: <https://connect.ncdot.gov/letting/Pages/Order-Plans.aspx>. 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 OCTOBER 24, 2023.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

IN ORDER TO FACILITATE AND ENCOURAGE THE INVOLVEMENT OF MINORITY BUSINESS ENTERPRISES IN THE HIGHWAY CONSTRUCTION PROCESS, IT IS THE POLICY OF THE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, THAT A SET OF PLANS AND PROPOSAL FOR EACH PROJECT TO BE LET WILL BE MAINTAINED FOR REVIEW BY ANY CONTRACTOR INTERESTED IN BIDDING UPON OR QUOTING WORK IN AN ADVERTISED PROJECT.

THE PROPOSALS AND PLANS WILL BE AVAILABLE FOR REVIEW BEGINNING TWO WEEKS PRIOR TO THE DATE OF BID OPENING IN THE DIVISION OFFICE WHICH WILL ADMINISTER THE CONTRACT. THE DEPARTMENT WILL, UPON REQUEST, MAKE AVAILABLE FROM ITS STAFF A PERSON TO EXPLAIN THE PROPOSED PROJECT AND TO ANSWER GENERAL QUESTIONS RELATING TO THE PROJECT. THE PLANS AND PROPOSALS CAN BE REVIEWED ANY TIME MONDAY THRU FRIDAY, EXCLUDING HOLIDAYS, BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M. IN THE DIVISION OFFICE. IN ORDER TO HAVE A MEMBER OF THE STAFF EXPLAIN THE PROJECT AND/OR ANSWER GENERAL QUESTIONS PERTAINING TO THE PROJECT, PRIOR APPOINTMENTS MUST BE MADE BY CALLING THE APPROPRIATE DIVISION OFFICE.

FOLLOWING ARE THE LOCATIONS AND TELEPHONE NUMBERS OF THE OFFICES IN WHICH THE PLANS AND PROPOSALS WILL BE MADE AVAILABLE, REFERENCE SHOULD BE MADE TO THE SHEETS CONTAINING THE INDIVIDUAL PROJECT QUANTITIES TO DETERMINE WHICH DIVISION OFFICE WILL ADMINISTER THE CONTRACT.

DIV NO.	DIVISION ENGINEER	TOWN	TELEPHONE
001	C. Win Bridgers, Jr., PE	EDENTON	(252) 482-1850
002	Jeffrey Cabaniss, PE	GREENVILLE	(252) 439-2800
003	D. Chad Kimes, PE	CASTLE HAYNE	(910) 341-2000
004	D. Keith Eason, PE	WILSON	(252) 237-6164
005	Brandon Jones, PE	DURHAM	(919) 220-4600
006	Nathaniel Mills	FAYETTEVILLE	(910) 364-0600
007	Wright Archer, III, PE	GREENSBORO	(336) 487-0000
008	Reuben Blakley, PE	CARTHAGE	(910) 773-8000
009	S. Pat Ivey, PE	WINSTON-SALEM	(336) 747-7800
010	Brett Canipe, PE	ALBEMARLE	(704) 983-4400
011	Michael Poe, PE	NORTH WILKESBORO	(336) 903-9101
012	Mark Stafford, PE	SHELBY	(704) 480-5400
013	Timothy Anderson, PE	ASHEVILLE	(828) 250-3000
014	Wanda Payne, PE	SYLVA	(828) 586-2141

===== SUMMARY OF PROPOSALS =====

Bid Letting Number: L231121

RPN	Contract Id	WBS	County	Length	Job Type
001	C204902	15BPR.102.3	NEW HANOVER	0.575 MI	BRIDGE PRESERVATION
002	C204866	47985.3.1	BRUNSWICK	4.940 MI	PAVEMENT REHABILITATION AND BRIDGE PRESERVATION.
003	C204873	44989.3.1	JOHNSTON	1.031 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
004	C204896	2024CPT.05.01.20921.1	WAKE	4.771 MI	MILLING AND RESURFACING.
005	C204907	2024CPT.05.03.10321.1, ETC.	DURHAM, PERSON	18.274 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
006	C204905	2024CPT.07.11.20011, ETC.	ALAMANCE, ORANGE	17.616 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
007	C204881	2024CPT.08.04.10531, ETC.	LEE	25.388 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
008	C204906	2024CPT.09.01.10291, ETC.	DAVIDSON	27.157 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
009	C204879	44395.3.1	FORSYTH	1.807 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALLS.
010	C204880	47138.3.1	FORSYTH	0.962 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.
011	C204471	45446.3.1	WILKES	2.616 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
012	C204852	34554.3.3	IREDELL	1.118 MI	WIDENING, GRADING, DRAINAGE, PAVING, AND STRUCTURES.
013	C204904	44984.3.1	TRANSYLVANIA	0.461 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

001

CONTRACT ID : C204902 15BPR.102.3

DIV OFFICE CASTLE HAYNE

LENGTH = 0.575 MI

COUNTY : NEW HANOVER

BRIDGE PRESERVATION

DBE GOAL 0.00% COMPLETION DATE : JUN 28, 2024

CAPE FEAR MEMORIAL BRIDGE.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,291	SF	WORK ZONE SIGNS (STATIONARY)
124	SF	WORK ZONE SIGNS (PORTABLE)
102	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4	EA	FLASHING ARROW BOARD
13	EA	PORTABLE CHANGEABLE MESSAGE SIGN
150	EA	DRUMS
80	LF	BARRICADES (TYPE III)
1	EA	TEMPORARY CRASH CUSHIONS
1	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
4	EA	TMA
60	LF	PORTABLE CONCRETE BARRIER
60	LF	REMOVE AND RESET PORTABLE CONCRETE BARRIER
240	HR	LAW ENFORCEMENT
7	EA	SKINNY DRUM
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM STEEL TEMPORARY BARRIER RAIL
800	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
2,000	LF	PAINT PAVEMENT MARKING LINES (4")
800	LF	PAINT PAVEMENT MARKING LINES (6")
200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
10	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING

STRUCTURE ITEMS

Lump Sum	LS	GENERIC STRUCTURE ITEM REPLACEMENT OF STEEL GRID DECK
Lump Sum	LS	GENERIC STRUCTURE ITEM REPLACEMENT OF STRUCTURAL STEEL
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM
Lump Sum	LS	GENERIC STRUCTURE ITEM WIRE ROPE CLEANING AND RELUBRICATION

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID**L231121****002****CONTRACT ID : C204866 47985.3.1****DIV OFFICE CASTLE HAYNE****LENGTH = 4.940 MI****COUNTY : BRUNSWICK****PAVEMENT REHABILITATION AND BRIDGE PRESERVATION.****DBE GOAL 3.00% COMPLETION DATE : JUN 15, 2025****I-140 FROM US-17 TO NORTH OF US-74.****ROADWAY ITEMS**

Lump Sum	LS	MOBILIZATION
22.13	SMI	SHOULDER RECONSTRUCTION
5,351	TON	AGGREGATE SHOULDER BORROW
259,972	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (3")
48,143	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
3,466	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
10,862	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED
104,482	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
3,280	LF	GENERIC GUARDRAIL ITEM REMOVE & RESET EXISTING GUARDRAIL
3	EA	GENERIC GUARDRAIL ITEM REMOVE & REPLACE GUARDRAIL END UNIT, TYPE CAT-1
2	EA	GENERIC GUARDRAIL ITEM REMOVE & REPLACE GUARDRAIL END UNIT, TYPE TL-3
3	EA	GENERIC GUARDRAIL ITEM REMOVE & RESET GUARDRAIL END UNIT, TYPE CAT-1
4	EA	GENERIC GUARDRAIL ITEM REMOVE & RESET GUARDRAIL END UNIT, TYPE TL-3
1	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
1	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
464	SF	WORK ZONE SIGNS (STATIONARY)
8	EA	FLASHING ARROW BOARD
8	EA	PORTABLE CHANGEABLE MESSAGE SIGN
12	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
28	EA	SEQUENTIAL FLASHING WARNING LIGHTS
6	EA	TMA
1,500	HR	LAW ENFORCEMENT
30	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURES
274	EA	GENERIC TRAFFIC CONTROL ITEM SINGLE LANE CLOSURE
130,332	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
1,356	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
6	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
900	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
130,332	LF	PAINT PAVEMENT MARKING LINES (6")
1,356	LF	PAINT PAVEMENT MARKING LINES (12")
900	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
55	EA	PERMANENT RAISED PAVEMENT MARKERS
742	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
Lump Sum	LS	PORTABLE LIGHTING

STRUCTURE ITEMS

1,012.8	LF	GENERIC STRUCTURE ITEM FOAM JOINT SEALS FOR PRESERVATION
296	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE FOR PRESERVATION
1,012.8	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
10,022.3	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
10,022.3	SY	GENERIC STRUCTURE ITEM SILANE DECK TREATMENT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L231121

003

CONTRACT ID : C204873 44989.3.1

DIV OFFICE WILSON

LENGTH = 1.031 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 5.00% COMPLETION DATE : DEC 12, 2027

I-95 AND US-70 BUSINESS (MARKET STREET), EXIT 95 INTERCHANGE FROM OUTLET CENTER DRIVE TO WEST OF YELVERTON GROVE ROAD.

ROADWAY ITEMS			500	TON	INCIDENTAL STONE BASE
Lump Sum	LS	MOBILIZATION	30,550	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/4")
Lump Sum	LS	CONSTRUCTION SURVEYING	1,250	SY	INCIDENTAL MILLING
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	30,330	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING	15,850	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1	EA	SEALING ABANDONED WELLS	9,990	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
33,360	CY	UNCLASSIFIED EXCAVATION	9,060	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
3,319	CY	UNDERCUT EXCAVATION	2,730	TON	ASPHALT BINDER FOR PLANT MIX
170,150	CY	BORROW EXCAVATION	645	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
6,790	CY	DRAINAGE DITCH EXCAVATION	1,880	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED
35,020	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	220	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
10	HR	PROOF ROLLING	9,820	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
14,300	CY	SELECT GRANULAR MATERIAL	4,980	CY	SUBDRAIN EXCAVATION
50,300	SY	GEOTEXTILE FOR SOIL STABILIZATION	14,800	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
4,400	SF	TEMPORARY SHORING	2,490	CY	SUBDRAIN COARSE AGGREGATE
2,500	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	14,800	LF	6" PERFORATED SUBDRAIN PIPE
Lump Sum	LS	GENERIC GRADING ITEM TYPE 2 BRIDGE APPROACH FILL, STATION 36+93.50 -Y1-	30	EA	SUBDRAIN PIPE OUTLET
160	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	180	LF	6" OUTLET PIPE
410	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	15.5	CY	ENDWALLS
1,290	SY	FOUNDATION CONDITIONING GEOTEXTILE	29.2	CY	REINFORCED ENDWALLS
12	EA	*** DRAINAGE PIPE ELBOWS (15")	0.4	CY	PIPE COLLARS
268	LF	15" SIDE DRAIN PIPE	2	CY	PIPE PLUGS
812	LF	15" RC PIPE CULVERTS, CLASS III	166	CY	FLOWABLE FILL
264	LF	18" RC PIPE CULVERTS, CLASS III	31	EA	MASONRY DRAINAGE STRUCTURES
312	LF	24" RC PIPE CULVERTS, CLASS III	5.1	CY	MASONRY DRAINAGE STRUCTURES
296	LF	30" RC PIPE CULVERTS, CLASS III	13.6	LF	MASONRY DRAINAGE STRUCTURES
904	LF	18" RC PIPE CULVERTS, CLASS IV	2	EA	FRAME WITH TWO GRATES, STD 840.16
256	LF	24" RC PIPE CULVERTS, CLASS IV	7	EA	FRAME WITH TWO GRATES, STD 840.22
100	LF	42" RC PIPE CULVERTS, CLASS IV	2	EA	FRAME WITH TWO GRATES, STD 840.24
632	LF	15" CS PIPE CULVERTS, 0.064" THICK	1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
96	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30" , 0.500")	7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
96	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36" , 0.500")	6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
126	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42" , 0.625")	5	EA	FRAME WITH COVER, STD 840.54
514	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54" , 0.750")	2	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
96	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	2	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
96	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	2,760	LF	2'-6" CONCRETE CURB & GUTTER
126	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")	35	LF	SHOULDER BERM GUTTER
514	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.750")	1,020	SY	4" CONCRETE SIDEWALK
1,566	LF	PIPE REMOVAL	11	EA	CONCRETE CURB RAMPS
Lump Sum	LS	FINE GRADING	100	SY	6" CONCRETE DRIVEWAY
1,300	TON	#57 STONE	1,580	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
10,300	CY	SHALLOW UNDERCUT	2	EA	ADJUSTMENT OF CATCH BASINS
22,600	TON	CLASS IV SUBGRADE STABILIZATION	1	EA	ADJUSTMENT OF DROP INLETS
			2	EA	ADJUSTMENT OF MANHOLES
			1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			1,300	LF	STEEL BEAM GUARDRAIL
			10	EA	ADDITIONAL GUARDRAIL POSTS

2	EA	GUARDRAIL END UNITS, TYPE AT-1	19	EA	SKINNY DRUM
1	EA	GUARDRAIL END UNITS, TYPE CAT-1	30	EA	TUBULAR MARKERS (FIXED)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1,641	EA	TEMPORARY RAISED PAVEMENT MARKERS
5	EA	GUARDRAIL END UNITS, TYPE TL-3	13,100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	49,239	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
3,180	LF	REMOVE EXISTING GUARDRAIL	278	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
2,890	LF	WOVEN WIRE FENCE, 47" FABRIC	2,753	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
174	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	298	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
60	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
520	TON	RIP RAP, CLASS I	95	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2,400	TON	RIP RAP, CLASS II	1,080	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
700	TON	RIP RAP, CLASS A	1,024	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (III)
175	TON	RIP RAP, CLASS B	107,763	LF	PAINT PAVEMENT MARKING LINES (4")
2,825	SY	GEOTEXTILE FOR DRAINAGE	6,199	LF	PAINT PAVEMENT MARKING LINES (8")
11	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	1,628	LF	PAINT PAVEMENT MARKING LINES (24")
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS	64	EA	PAINT PAVEMENT MARKING CHARACTER
24	CY	OVERHEAD FOOTING	338	EA	PAINT PAVEMENT MARKING SYMBOL
14,397	LB	SUPPORTS, BREAKAWAY STEEL BEAM	87,377	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"
1,113	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	7,871	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 12"
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+00 -RPB-)	28,560	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
2	EA	SIGN ERECTION, TYPE D	58,629	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
43	EA	SIGN ERECTION, TYPE E	1,102	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
10	EA	SIGN ERECTION, TYPE F	4,280	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
15	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	234	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
6	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	56	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
4	EA	SIGN ERECTION, MILEMARKERS	7	EA	PERMANENT RAISED PAVEMENT MARKERS
8	EA	SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED) (A)	572	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
1	EA	SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED) (D)	4	EA	100' HIGH MOUNT STANDARD
5	EA	SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED) (E)	2	EA	120' HIGH MOUNT STANDARD
8	EA	DISPOSAL OF SUPPORT, STEEL BEAM	1	EA	PORTABLE DRIVE UNIT
1	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD	51	CY	HIGH MOUNT FOUNDATIONS
8	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	40	EA	HIGH MOUNT LUMINAIRES ***** (560W LED)
91	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	12	EA	LIGHT STANDARDS, TYPE MTLT ***** (45' SA, 15' ARM)
1	EA	DISPOSAL OF SIGN SYSTEM, WOOD	10	EA	STANDARD FOUNDATION ***** (TYPE R1)
6	EA	DISPOSAL OF SUPPORT, U-CHANNEL	2	EA	STANDARD FOUNDATION ***** (TYPE R2)
184	SF	WORK ZONE SIGNS (STATIONARY)	12	EA	LIGHT STANDARD LUMINAIRES, TYPE ***** (RDW, 285W LED)
606	SF	HIGH VISIBILITY STATIONARY SIGNS	1	EA	ELECTRIC SERVICE POLE ***** (30' CLASS 4)
311	SF	WORK ZONE SIGNS (PORTABLE)	25	LF	ELECTRIC SERVICE LATERAL ***** (3 1/0 USE)
586	SF	HIGH VISIBILITY PORTABLE SIGNS	1	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 V)
76	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	520	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
4	EA	FLASHING ARROW BOARD	530	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	350	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")
6	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS	270	LF	** #6 W/G FEEDER CIRCUIT (2)
22	EA	WORK ZONE PRESENCE LIGHTING	1,250	LF	** #4 W/G FEEDER CIRCUIT (2)
50	EA	DRUMS	700	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2)
165	EA	HIGH VISIBILITY DRUMS	10,100	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2)
24	EA	SEQUENTIAL FLASHING WARNING LIGHTS	1	EA	ELECTRICAL JUNCTION BOXES ***** (CS36)
280	LF	BARRICADES (TYPE III)			
32	LF	PEDESTRIAN CHANNELIZING DEVICES			
600	DAY	FLAGGER			
16	EA	TEMPORARY CRASH CUSHIONS			
17	EA	REMOVE & RESET TEMPORARY CRASH CUSHION			
2	EA	TMA			
14,260	LF	PORTABLE CONCRETE BARRIER			
310	LF	PORTABLE CONCRETE BARRIER (ANCHORED)			
19,660	LF	REMOVE AND RESET PORTABLE CONCRETE BARRIER			
520	HR	LAW ENFORCEMENT			

5	EA	ELECTRICAL JUNCTION BOXES ***** (HM18)	14	EA	*** SKIMMER (1-1/2")
1	EA	ELECTRICAL JUNCTION BOXES ***** (HM36)	3	EA	*** SKIMMER (2")
15	EA	ELECTRICAL JUNCTION BOXES ***** (IG18)	69	ACR	SEEDING & MULCHING
3	EA	ELECTRICAL JUNCTION BOXES ***** (IG30)	81	ACR	MOWING
1	EA	ELECTRICAL JUNCTION BOXES ***** (IG36)	1,200	LB	SEED FOR REPAIR SEEDING
12	EA	ELECTRICAL JUNCTION BOXES ***** (LS18)	3.5	TON	FERTILIZER FOR REPAIR SEEDING
Lump Sum	LS	PORTABLE LIGHTING	1,700	LB	SEED FOR SUPPLEMENTAL SEEDING
61	LF	6" WATER LINE	50.5	TON	FERTILIZER TOPDRESSING
2,169	LF	8" WATER LINE	40	LF	IMPERVIOUS DIKE
2,123	LF	12" WATER LINE	10	MHR	SPECIALIZED HAND MOWING
349	LF	16" WATER LINE	45	MHR	MANUAL LITTER REMOVAL
4,980	LB	DUCTILE IRON WATER PIPE FITTINGS	2	TON	LITTER DISPOSAL
3	EA	6" VALVE	150	EA	RESPONSE FOR EROSION CONTROL
4	EA	8" VALVE	8	EA	CONCRETE WASHOUT STRUCTURE
2	EA	12" VALVE	338	CY	CULVERT DIVERSION CHANNEL
1	EA	6" TAPPING SLEEVE & VALVE	0.1	ACR	REFORESTATION
2	EA	8" TAPPING SLEEVE & VALVE	3,370	LF	SIGNAL CABLE
1	EA	3/4" WATER METER	18	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
4	EA	RELOCATE WATER METER	5	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
2	EA	RECONNECT WATER METER	600	LF	MESSENGER CABLE (1/4")
4	EA	FIRE HYDRANT	1,450	LF	MESSENGER CABLE (3/8")
46	LF	FIRE HYDRANT LEG	1,530	LF	TRACER WIRE
360	LF	*** WATER SERVICE LINE (2")	1,205	LF	UNPAVED TRENCHING (***** (1, 2")
176	LF	WATER SERVICE LINE	300	LF	UNPAVED TRENCHING (***** (2, 2")
2	EA	SANITARY SEWER CLEAN-OUT	610	LF	DIRECTIONAL DRILL (***** (1, 2")
54	LF	SEWER SERVICE LINE	230	LF	DIRECTIONAL DRILL (***** (2, 2")
25	LB	DUCTILE IRON SEWER PIPE FITTINGS	2	EA	JUNCTION BOX (***** (SPECIAL OVER-SIZED, HEAVY DUTY, 36" X 24" X 24")
1	EA	4" DIA UTILITY MANHOLE	8	EA	JUNCTION BOX (STANDARD SIZE)
363	LF	ABANDON *** UTILITY PIPE (2")	7	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
112	LF	ABANDON 6" UTILITY PIPE	5	EA	WOOD POLE
1,064	LF	ABANDON 8" UTILITY PIPE	13	EA	GUY ASSEMBLY
1	EA	REMOVE WATER METER	2	EA	2" RISER WITH WEATHERHEAD
2	EA	REMOVE FIRE HYDRANT	1,760	LF	INDUCTIVE LOOP SAWCUT
1	EA	ABANDON UTILITY MANHOLE	3,200	LF	LEAD-IN CABLE (***** (14-2)
553	LF	16" ENCASMENT PIPE	1	EA	SITE SURVEY
127	LF	24" ENCASMENT PIPE	3	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
553	LF	BORE AND JACK OF *** (16")	1	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
127	LF	BORE AND JACK OF *** (24")	3,450	LF	COMMUNICATIONS CABLE (** FIBER) (24)
349	LF	DIRECTIONAL DRILLING OF *** (16")	920	LF	DROP CABLE
74,525	LF	TEMPORARY SILT FENCE	2	EA	SPLICE ENCLOSURE
500	TON	STONE FOR EROSION CONTROL, CLASS A	3	EA	MODIFY SPLICE ENCLOSURE
1,855	TON	STONE FOR EROSION CONTROL, CLASS B	3	EA	INTERCONNECT CENTER
575	TON	SEDIMENT CONTROL STONE	16	EA	DELINEATOR MARKER
117.5	ACR	TEMPORARY MULCHING	645	LF	REMOVE EXISTING COMMUNICATIONS CABLE
4,500	LB	SEED FOR TEMPORARY SEEDING	8	EA	METAL STRAIN SIGNAL POLE
23.5	TON	FERTILIZER FOR TEMPORARY SEEDING	8	EA	SOIL TEST
1,960	LF	TEMPORARY SLOPE DRAINS	64	CY	DRILLED PIER FOUNDATION
4,680	LF	SAFETY FENCE	7	EA	SIGN FOR SIGNALS
14,250	CY	SILT EXCAVATION	2	EA	SIGNAL CABINET FOUNDATION
56,335	SY	MATTING FOR EROSION CONTROL	2	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070LX, BASE MOUNTED)
255	SY	COIR FIBER MAT	10	EA	DETECTOR CARD (TYPE 170)
285	LF	1/4" HARDWARE CLOTH	2	EA	CABINET BASE EXTENDER
330	SY	LOW PERMEABILITY GEOTEXTILE	3	EA	GENERIC SIGNAL ITEM 5/8"X10' GROUNDING ELECTRODE
96	CY	STILLING BASINS	1	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
3,600	LF	COIR FIBER WATTLE	1	EA	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY
3,400	LB	POLYACRYLAMIDE (PAM)	1	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT
3,160	LF	COIR FIBER BAFFLE			

2	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
1	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET
1	EA	GENERIC SIGNAL ITEM LUMINAIRE ARM FOR TEMPORARY VIDEO SYSTEM
1	EA	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINATION PANEL
8	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR STRAIN POLE (BLACK)
6	EA	GENERIC SIGNAL ITEM RELOCATE TEMPORARY CAMERA SENSOR
30	LF	GENERIC SIGNAL ITEM #4 SOLID BARE GROUNDING CONDUCTOR
600	LF	GENERIC SIGNAL ITEM 3-WIRE COPPER FEEDER CONDUCTORS

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (17+30.70 -Y2-)
102	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
145.6	CY	CLASS A CONCRETE (CULVERT)
19,835	LB	REINFORCING STEEL (CULVERT)

WALL ITEMS

5,933	SF	MSE RETAINING WALL NO **** (1)
5,209	SF	MSE RETAINING WALL NO **** (2)
11,142	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL CONCRETE SURFACE TREATMENT

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (36+93.50 -Y1-)
Lump Sum	LS	ASBESTOS ASSESSMENT
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 36+93.50 -Y1-)
1	EA	PDA TESTING
19,441	SF	REINFORCED CONCRETE DECK SLAB
20,634	SF	GROOVING BRIDGE FLOORS
452.5	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (36+93.50 -Y1-)
65,182	LB	REINFORCING STEEL (BRIDGE)
2,613	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,366.38	LF	54" PRESTRESSED CONCRETE GIRDERS
78	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
3,645	LF	HP 12 X 53 STEEL PILES
15	EA	STEEL PILE POINTS
420.89	LF	TWO BAR METAL RAIL
225.74	LF	1'-*** X ***** CONCRETE PARAPET (1'-2" X 2'-6")
218.24	LF	1'-*** X ***** CONCRETE PARAPET (1'-2" X 3'-2 3/4")
89	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC STRUCTURE ITEM STRIP SEAL EXPANSION JOINTS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

004

CONTRACT ID : C204896

2024CPT.05.01.20921.1

DIV OFFICE DURHAM

LENGTH = 4.771 MI

COUNTY : WAKE

MILLING AND RESURFACING.

DBE GOAL 6.00% COMPLETION DATE : NOV 15, 2025

4 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
10	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
11,217	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
156,438	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (2")
6,325	SY	INCIDENTAL MILLING
953	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
17,521	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,121	TON	ASPHALT BINDER FOR PLANT MIX
413	TON	PATCHING EXISTING PAVEMENT
852	LF	2'-6" CONCRETE CURB & GUTTER
436	SY	4" CONCRETE SIDEWALK
4	EA	CONCRETE CURB RAMPS
146	EA	REMOVE AND REPLACE CURB RAMPS
131	SY	GENERIC PAVING ITEM REMOVE AND REPLACE SIDEWALK
12	SY	GENERIC PAVING ITEM REMOVE ISLAND
27	SY	GENERIC PAVING ITEM REMOVE SIDEWALK
50	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 2'-6" CURB & GUTTER
22	LF	GENERIC PAVING ITEM REMOVE CURB AND GUTTER
54	EA	GENERIC PAVING ITEM REMOVE CURB RAMP
8	EA	GENERIC PAVING ITEM RETROFIT CURB RAMP DETECTABLE WARNINGS
17	EA	ADJUSTMENT OF MANHOLES
21	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
733	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
160	LF	PEDESTRIAN CHANNELIZING DEVICES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
520	HR	LAW ENFORCEMENT
56	EA	TUBULAR MARKERS (FIXED)
22	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES
40	EA	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN TRANSPORT SERVICE (PER TRIP)
71,446	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
6,176	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
160	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1,543	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
293	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
12	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
200	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III)
200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
Lump Sum	LS	PORTABLE LIGHTING
16,366	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

005

CONTRACT ID : C204907

2024CPT.05.03.10321.1

DIV OFFICE DURHAM

LENGTH = 18.274 MI

COUNTY : DURHAM, PERSON

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 5.00% COMPLETION DATE : SEP 30, 2025

1 SECTION OF NC-54, 2 SECTIONS OF NC-98, AND 31 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS					
			60	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
Lump Sum	LS	MOBILIZATION	232	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
3,614	SY	GENERIC GRADING ITEM	2,310	LF	PAINT PAVEMENT MARKING LINES (4")
		GEOTEXTILE FOR SUBGRADE STABILIZATION	2,284	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
346	CY	SHALLOW UNDERCUT	5,850	LF	INDUCTIVE LOOP SAWCUT
704	TON	CLASS IV SUBGRADE STABILIZATION			
37	TON	INCIDENTAL STONE BASE			
19.34	SMI	SHOULDER RECONSTRUCTION			
3,220	TON	AGGREGATE SHOULDER BORROW			
171,263	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
3,677	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (5-1/2")			
2,660	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")			
7,141	SY	INCIDENTAL MILLING			
360	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
882	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
13,434	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
13,307	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
1,795	TON	ASPHALT BINDER FOR PLANT MIX			
1,572	TON	PATCHING EXISTING PAVEMENT			
272	LF	2'-6" CONCRETE CURB & GUTTER			
62	SY	4" CONCRETE SIDEWALK			
5	EA	CONCRETE CURB RAMPS			
116	EA	REMOVE AND REPLACE CURB RAMPS			
10	SY	GENERIC PAVING ITEM REMOVE AND REPLACE 5" MONOLITHIC CONCRETE ISLAND			
145	SY	GENERIC PAVING ITEM REMOVE AND REPLACE SIDEWALK			
36	SY	GENERIC PAVING ITEM REMOVE SIDEWALK			
93	LF	GENERIC PAVING ITEM REMOVE 2'-6" CURB & GUTTER			
12	EA	GENERIC PAVING ITEM REMOVE CURB RAMP			
13	EA	GENERIC PAVING ITEM RETROFIT CURB RAMP DETECTABLE WARNINGS			
21	EA	ADJUSTMENT OF MANHOLES			
9	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)			
3,622	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING			
180	LF	PEDESTRIAN CHANNELIZING DEVICES			
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			
6	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES			
30	EA	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN TRANSPORT SERVICE (PER TRIP)			
274,780	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
1,670	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
2,050	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)			
2,380	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

006

CONTRACT ID : C204905

2024CPT.07.11.20011

DIV OFFICE GREENSBORO

LENGTH = 17.616 MI

COUNTY : ALAMANCE, ORANGE

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 4.00% COMPLETION DATE : OCT 01, 2025

10 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
142	CY	BORROW EXCAVATION
1,023	TON	INCIDENTAL STONE BASE
7.06	SMI	SHOULDER RECONSTRUCTION
400	TON	AGGREGATE SHOULDER BORROW
3,411	SY	INCIDENTAL MILLING
4,403	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
22,720	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,807	TON	ASPHALT BINDER FOR PLANT MIX
2,760	TON	PATCHING EXISTING PAVEMENT
233,606	SY	ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE
77,091	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
5	EA	ADJUSTMENT OF MANHOLES
5	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1,598	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
430	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
43	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
286,520	LF	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MILS
72,008	LF	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 6", 50 MILS
1	ACR	RESIDENTIAL SEEDING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

007

CONTRACT ID : C204881

2024CPT.08.04.10531

DIV OFFICE CARTHAGE

LENGTH = 25.388 MI

COUNTY : LEE

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 6.00% COMPLETION DATE : OCT 01, 2025

1 SECTION EACH OF US-421, US-1, NC-87, AND NC-87 BYPASS, 4 SECTIONS OF RAMPS, AND 6 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
22.73	SMI	SHOULDER RECONSTRUCTION
3,720	TON	AGGREGATE SHOULDER BORROW
180,465	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
6,127	SY	INCIDENTAL MILLING
13,904	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
14,768	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,865	TON	ASPHALT BINDER FOR PLANT MIX
1,564	TON	PATCHING EXISTING PAVEMENT
56,179	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
78,925	SY	GENERIC PAVING ITEM LATEX MODIFIED MICROSURFACING, TYPE II
3	EA	ADJUSTMENT OF MANHOLES
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
3,767	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
180	HR	LAW ENFORCEMENT
16,142	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
88,453	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
7,102	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)
132	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
25	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
296,591	LF	PAINT PAVEMENT MARKING LINES (4")
90,780	LF	PAINT PAVEMENT MARKING LINES (6")
7,102	LF	PAINT PAVEMENT MARKING LINES (12")
200	LF	PAINT PAVEMENT MARKING LINES (16")
182	LF	PAINT PAVEMENT MARKING LINES (24")
8	EA	PAINT PAVEMENT MARKING CHARACTER
25	EA	PAINT PAVEMENT MARKING SYMBOL
108,799	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,164	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
50	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
4	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
100	LF	GENERIC PAVEMENT MARKING ITEM REMOVAL OF PAVEMENT MARKING LINES, 16"
471	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
792	LF	INDUCTIVE LOOP SAWCUT
200	LF	LEAD-IN CABLE (*****) (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

008

CONTRACT ID : C204906

2024CPT.09.01.10291

DIV OFFICE WINSTON-SALEM

LENGTH = 27.157 MI

COUNTY : DAVIDSON

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 5.00% COMPLETION DATE : SEP 26, 2025

1 SECTION OF NC 109, 2 SECTIONS OF NC 8 AND 11 SECTIONS OF SECONDARY ROADS

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,096	TON	INCIDENTAL STONE BASE
52.02	SMI	SHOULDER RECONSTRUCTION
10,087	TON	AGGREGATE SHOULDER BORROW
291,271	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
272	SY	MILLING ASPHALT PAVEMENT, ***" TO *****" (0" TO 1-1/2")
9,794	SY	MILLING ASPHALT PAVEMENT, ***" TO *****" (0" TO 3")
16,121	SY	MILLING ASPHALT PAVEMENT, ***" TO *****" (1-1/2" TO 2-1/2")
38,036	SY	INCIDENTAL MILLING
9,760	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
37,354	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,846	TON	ASPHALT BINDER FOR PLANT MIX
140	TON	PATCHING EXISTING PAVEMENT
71,220	SY	ASPHALT SURFACE TREATMENT, MAT COAT, #*** STONE (#67M)
28,488	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
1	EA	ADJUSTMENT OF DROP INLETS
70	EA	ADJUSTMENT OF MANHOLES
249	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
2,939	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
410,313	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
154,972	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
1,173	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
790	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)
2,749	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
96	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
156	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
343,519	LF	PAINT PAVEMENT MARKING LINES (4")
1,113	LF	PAINT PAVEMENT MARKING LINES (8")
630	LF	PAINT PAVEMENT MARKING LINES (16")
2,041	LF	PAINT PAVEMENT MARKING LINES (24")
64	EA	PAINT PAVEMENT MARKING CHARACTER
144	EA	PAINT PAVEMENT MARKING SYMBOL
555	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
10,458	LF	TEMPORARY SILT FENCE
1,045	LF	WATTLE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

009

CONTRACT ID : C204879 44395.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 1.807 MI

COUNTY : FORSYTH

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

DBE GOAL 5.00% COMPLETION DATE : APR 13, 2027

NC-66 (OLD HOLLOW ROAD) FROM HARLEY DRIVE TO US-158.

ROADWAY ITEM					
Lump Sum	LS	MOBILIZATION	83.9	LF	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	CONSTRUCTION SURVEYING	40	EA	FRAME WITH TWO GRATES, STD 840.16
1	EA	SEALING ABANDONED WELLS	1	EA	FRAME WITH TWO GRATES, STD 840.24
Lump Sum	LS	GRADING	9	EA	FRAME WITH TWO GRATES, STD 840.29
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	13	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
2,800	CY	UNDERCUT EXCAVATION	62	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
10	CY	DRAINAGE DITCH EXCAVATION	69	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
3,900	CY	SELECT GRANULAR MATERIAL	9	EA	FRAME WITH COVER, STD 840.54
4,700	SY	GEOTEXTILE FOR SOIL STABILIZATION	15	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
300	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	15	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
2,327.8	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	580	LF	*** X *** CONCRETE CURB (8" X18")
12,949.3	SY	FOUNDATION CONDITIONING GEOTEXTILE	1,390	LF	***_*** CONCRETE CURB & GUTTER (2'-9")
1,860	LF	15" DRAINAGE PIPE	10,430	LF	1'-6" CONCRETE CURB & GUTTER
136	LF	18" DRAINAGE PIPE	18,400	LF	2'-6" CONCRETE CURB & GUTTER
392	LF	24" DRAINAGE PIPE	9,790	SY	4" CONCRETE SIDEWALK
92	LF	30" DRAINAGE PIPE	80	EA	CONCRETE CURB RAMPS
352	LF	36" DRAINAGE PIPE	640	SY	6" CONCRETE DRIVEWAY
10,444	LF	15" RC PIPE CULVERTS, CLASS III	10	SY	4" CONCRETE PAVED DITCH
1,964	LF	18" RC PIPE CULVERTS, CLASS III	2,180	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
660	LF	24" RC PIPE CULVERTS, CLASS III	1	EA	ADJUSTMENT OF DROP INLETS
144	LF	36" RC PIPE CULVERTS, CLASS III	28	EA	ADJUSTMENT OF MANHOLES
152	LF	60" RC PIPE CULVERTS, CLASS III	76	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
76	LF	15" RC PIPE CULVERTS, CLASS IV	1,112.5	LF	STEEL BEAM GUARDRAIL
4,829	LF	PIPE REMOVAL	75	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
4,000	SY	GENERIC GRADING ITEM GEOTEXTILE FOR SUBGRADE STABILIZATION	10	EA	ADDITIONAL GUARDRAIL POSTS
900	CY	SHALLOW UNDERCUT	7	EA	GUARDRAIL END UNITS, TYPE CAT-1
2,600	TON	CLASS IV SUBGRADE STABILIZATION	7	EA	GUARDRAIL END UNITS, TYPE TL-3
3,000	TON	INCIDENTAL STONE BASE	760	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
1,090	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")	35	TON	RIP RAP, CLASS I
6,300	SY	INCIDENTAL MILLING	135	TON	RIP RAP, CLASS B
18,320	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	2,445	SY	GEOTEXTILE FOR DRAINAGE
17,270	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	1,600	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
14,120	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	5	EA	SIGN ERECTION, TYPE D
2,575	TON	ASPHALT BINDER FOR PLANT MIX	66	EA	SIGN ERECTION, TYPE E
1,525	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	23	EA	SIGN ERECTION, TYPE F
157	EA	RIGHT-OF-WAY MARKERS	3	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
112	CY	SUBDRAIN EXCAVATION	67	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	3	EA	DISPOSAL OF SUPPORT, U-CHANNEL
84	CY	SUBDRAIN COARSE AGGREGATE	1,160	SF	WORK ZONE SIGNS (STATIONARY)
500	LF	6" PERFORATED SUBDRAIN PIPE	932	SF	WORK ZONE SIGNS (PORTABLE)
1	EA	SUBDRAIN PIPE OUTLET	272	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
6	LF	6" OUTLET PIPE	2	EA	FLASHING ARROW BOARD
20	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
6.2	CY	ENDWALLS	522	EA	DRUMS
5.6	CY	REINFORCED ENDWALLS	152	LF	BARRICADES (TYPE III)
0.116	CY	PIPE PLUGS	16	LF	PEDESTRIAN CHANNELIZING DEVICES
16	CY	FLOWABLE FILL	1,080	DAY	FLAGGER
201	EA	MASONRY DRAINAGE STRUCTURES			
9.21	CY	MASONRY DRAINAGE STRUCTURES			

4	EA	TEMPORARY CRASH CUSHIONS	757	LF	BORE AND JACK OF *** (12")
2	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	108	LF	BORE AND JACK OF *** (16")
2	EA	TMA	78	LF	BORE AND JACK OF *** (20")
975	LF	PORTABLE CONCRETE BARRIER	2	EA	GENERIC UTILITY ITEM 12" INSERTION VALVE ASSEMBLY
710	LF	REMOVE AND RESET PORTABLE CONCRETE BARRIER	2	EA	GENERIC UTILITY ITEM 8" CORED CONNECTION TO EXISTING MANHOLE
30	LF	WATER FILLED BARRIER	7	EA	GENERIC UTILITY ITEM REMOVE CLEAN-OUT
136	HR	LAW ENFORCEMENT	1	EA	GENERIC UTILITY ITEM REMOVE UTILITY METER
2	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	30,010	LF	TEMPORARY SILT FENCE
225	EA	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN TRANSPORT SERVICE (PER TRIP)	2,580	TON	STONE FOR EROSION CONTROL, CLASS A
150	EA	TEMPORARY RAISED PAVEMENT MARKERS	1,710	TON	STONE FOR EROSION CONTROL, CLASS B
36,270	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	3,850	TON	SEDIMENT CONTROL STONE
4,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	26	ACR	TEMPORARY MULCHING
920	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	1,300	LB	SEED FOR TEMPORARY SEEDING
575	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	7.5	TON	FERTILIZER FOR TEMPORARY SEEDING
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	590	LF	TEMPORARY SLOPE DRAINS
136	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	800	LF	SAFETY FENCE
50	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	8,140	CY	SILT EXCAVATION
87,753	LF	PAINT PAVEMENT MARKING LINES (4")	24,000	SY	MATTING FOR EROSION CONTROL
7,250	LF	PAINT PAVEMENT MARKING LINES (8")	100	SY	COIR FIBER MAT
1,470	LF	PAINT PAVEMENT MARKING LINES (12")	2,300	SY	PERMANENT SOIL REINFORCEMENT MAT
1,370	LF	PAINT PAVEMENT MARKING LINES (24")	9,000	LF	1/4" HARDWARE CLOTH
16	EA	PAINT PAVEMENT MARKING CHARACTER	50	LF	TEMPORARY PIPE FOR STREAM CROSSING
239	EA	PAINT PAVEMENT MARKING SYMBOL	2	EA	SPECIAL STILLING BASINS
31,665	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	320	LF	WATTLE
690	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	560	LF	COIR FIBER WATTLE
790	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	330	LB	POLYACRYLAMIDE (PAM)
110	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	1,140	LF	COIR FIBER BAFFLE
755	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	3	EA	*** SKIMMER (1-1/2")
3,801	LF	6" WATER LINE	3	EA	*** SKIMMER (2")
7,168	LF	8" WATER LINE	24	ACR	SEEDING & MULCHING
310	LF	12" WATER LINE	21	ACR	MOWING
15,310	LB	DUCTILE IRON WATER PIPE FITTINGS	300	LB	SEED FOR REPAIR SEEDING
38	EA	6" VALVE	1	TON	FERTILIZER FOR REPAIR SEEDING
6	EA	8" VALVE	525	LB	SEED FOR SUPPLEMENTAL SEEDING
2	EA	12" VALVE	15.25	TON	FERTILIZER TOPDRESSING
2	EA	*** TAPPING SLEEVE & VALVE (6")	65	LF	IMPERVIOUS DIKE
38	EA	RELOCATE WATER METER	10	MHR	SPECIALIZED HAND MOWING
3	EA	RECONNECT WATER METER	12	MHR	MANUAL LITTER REMOVAL
23	EA	FIRE HYDRANT	3	TON	LITTER DISPOSAL
208	LF	FIRE HYDRANT LEG	100	EA	RESPONSE FOR EROSION CONTROL
13	EA	6" LINE STOP	10	EA	CONCRETE WASHOUT STRUCTURE
215	LF	*** WATER SERVICE LINE (2")	44	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
1,945	LF	WATER SERVICE LINE	132	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
5,158	LF	8" SANITARY GRAVITY SEWER	24	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
37	EA	SANITARY SEWER CLEAN-OUT	21,300	LF	SIGNAL CABLE
2,518	LF	SEWER SERVICE LINE	73	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
30	EA	4' DIA UTILITY MANHOLE	26	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
96.1	LF	UTILITY MANHOLE WALL 4' DIA	9	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
10,369	LF	ABANDON 6" UTILITY PIPE	4,750	LF	MESSENGER CABLE (3/8")
5,053	LF	ABANDON 8" UTILITY PIPE	50	LF	PAVED TRENCHING (***** (1, 2")
165	LF	ABANDON 12" UTILITY PIPE	3,475	LF	UNPAVED TRENCHING (***** (1, 2")
7	EA	REMOVE WATER METER	500	LF	UNPAVED TRENCHING (***** (2, 2")
15	EA	REMOVE FIRE HYDRANT	125	LF	UNPAVED TRENCHING (***** (3, 2")
21	EA	ABANDON UTILITY MANHOLE	275	LF	DIRECTIONAL DRILL (***** (1, 2")
912	LF	12" ENCASEMENT PIPE	125	LF	DIRECTIONAL DRILL (***** (2, 2")
188	LF	16" ENCASEMENT PIPE	49	EA	JUNCTION BOX (STANDARD SIZE)
78	LF	20" ENCASEMENT PIPE			

4	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
15	EA	WOOD POLE
32	EA	GUY ASSEMBLY
4	EA	1" RISER WITH WEATHERHEAD
8	EA	2" RISER WITH WEATHERHEAD
5,600	LF	INDUCTIVE LOOP SAWCUT
25,625	LF	LEAD-IN CABLE (*****) (14-2)
4	EA	SITE SURVEY
24	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
4	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
4	EA	900MHZ SERIAL/ETHERNET SPREAD SPECTRUM RADIO
16	EA	METAL STRAIN SIGNAL POLE
16	EA	SOIL TEST
96	CY	DRILLED PIER FOUNDATION
13	EA	SIGN FOR SIGNALS
17	EA	TYPE II PEDESTAL WITH FOUNDATION
4	EA	SIGNAL CABINET FOUNDATION
4	EA	CONTROLLERS WITH CABINET (*****) (2070LX, 332)
39	EA	DETECTOR CARD (*****) (TYPE 170)
4	EA	CABINET BASE EXTENDER
4	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
17	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SIGNAL PEDESTAL (BLACK)
8	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR STRAIN POLE (BLACK)
		WALL ITEMS
2,115	SF	SEGMENTAL GRAVITY RETAINING WALLS
2,620	SF	PRECAST GRAVITY RETAINING WALLS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

010

CONTRACT ID : C204880 47138.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.962 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.

DBE GOAL 5.00% COMPLETION DATE : JAN 11, 2027

NEW ROAD WITH BICYCLE/PEDESTRIAN ACCOMMODATIONS FROM SR-1969 (PINEY GROVE ROAD) TO NC-150 (NORTH MAIN STREET).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	73	EA	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	CONSTRUCTION SURVEYING	32	LF	MASONRY DRAINAGE STRUCTURES
1	EA	SEALING ABANDONED WELLS	1	EA	FRAME WITH TWO GRATES, STD 840.***** (840.18)
8,800	CY	UNDERCUT EXCAVATION	5	EA	FRAME WITH TWO GRATES, STD 840.16
Lump Sum	LS	GRADING	1	EA	FRAME WITH TWO GRATES, STD 840.24
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING	5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
1,213	CY	DRAINAGE DITCH EXCAVATION	32	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
18,000	CY	SELECT GRANULAR MATERIAL	31	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
21,400	SY	GEOTEXTILE FOR SOIL STABILIZATION	1	EA	FRAME WITH COVER, STD 840.54
50	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	8	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
730	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	5	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
2,290	SY	FOUNDATION CONDITIONING GEOTEXTILE	4,200	LF	***-*** CONCRETE CURB & GUTTER (2'-9")
56	LF	15" SIDE DRAIN PIPE	8,600	LF	2'-6" CONCRETE CURB & GUTTER
92	LF	15" RC PIPE CULVERTS, CLASS III	250	SY	4" CONCRETE SIDEWALK
40	LF	18" RC PIPE CULVERTS, CLASS III	3	EA	CONCRETE CURB RAMPS
388	LF	42" RC PIPE CULVERTS, CLASS III	50	SY	6" CONCRETE DRIVEWAY
32	LF	48" RC PIPE CULVERTS, CLASS III	33	SY	4" CONCRETE PAVED DITCH
1,928	LF	15" RC PIPE CULVERTS, CLASS IV	1,150	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
3,370	LF	18" RC PIPE CULVERTS, CLASS IV	6	EA	ADJUSTMENT OF MANHOLES
480	LF	24" RC PIPE CULVERTS, CLASS IV	4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
288	LF	30" RC PIPE CULVERTS, CLASS IV	1,838	LF	STEEL BEAM GUARDRAIL
68	LF	15" CS PIPE CULVERTS, 0.064" THICK	5	EA	ADDITIONAL GUARDRAIL POSTS
72	LF	18" CS PIPE CULVERTS, 0.064" THICK	6	EA	GUARDRAIL END UNITS, TYPE CAT-1
28	LF	24" CS PIPE CULVERTS, 0.064" THICK	6	EA	GUARDRAIL END UNITS, TYPE TL-2
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	9,800	LF	WOVEN WIRE FENCE, 47" FABRIC
2	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	590	EA	4" TIMBER FENCE POSTS, ***** LONG (7'-6")
2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	200	EA	5" TIMBER FENCE POSTS, ***** LONG (7'-6")
405	LF	PIPE REMOVAL	200	TON	RIP RAP, CLASS I
3,800	SY	GENERIC GRADING ITEM GEOTEXTILE FOR SUBGRADE STABILIZATION	620	TON	RIP RAP, CLASS B
1,000	CY	SHALLOW UNDERCUT	4,360	SY	GEOTEXTILE FOR DRAINAGE
2,500	TON	CLASS IV SUBGRADE STABILIZATION	363	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
500	TON	INCIDENTAL STONE BASE	32	EA	SIGN ERECTION, TYPE E
395	SY	MILLING ASPHALT PAVEMENT, ***** DEPTH (1-1/2")	2	EA	SIGN ERECTION, TYPE F
700	SY	MILLING ASPHALT PAVEMENT, ***** DEPTH (4")	13	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
1,600	SY	INCIDENTAL MILLING	256	SF	WORK ZONE SIGNS (STATIONARY)
7,440	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	416	SF	WORK ZONE SIGNS (PORTABLE)
6,460	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	60	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
6,560	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1	EA	FLASHING ARROW BOARD
1,085	TON	ASPHALT BINDER FOR PLANT MIX	2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
190	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	136	EA	DRUMS
64	EA	RIGHT-OF-WAY MARKERS	33	EA	CONES
168	CY	SUBDRAIN EXCAVATION	216	LF	BARRICADES (TYPE III)
1,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	60	DAY	FLAGGER
168	CY	SUBDRAIN COARSE AGGREGATE	2	EA	TMA
1,000	LF	6" PERFORATED SUBDRAIN PIPE	32	HR	LAW ENFORCEMENT
2	EA	SUBDRAIN PIPE OUTLET	33	EA	SKINNY DRUM
12	LF	6" OUTLET PIPE	159	EA	TEMPORARY RAISED PAVEMENT MARKERS
9	CY	ENDWALLS			

27,089	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	33	ACR	MOWING
2,826	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	450	LB	SEED FOR REPAIR SEEDING
761	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	1.5	TON	FERTILIZER FOR REPAIR SEEDING
487	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	900	LB	SEED FOR SUPPLEMENTAL SEEDING
14	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	26.5	TON	FERTILIZER TOPDRESSING
62	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	135	LF	IMPERVIOUS DIKE
20	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	10	MHR	SPECIALIZED HAND MOWING
12,201	LF	PAINT PAVEMENT MARKING LINES (4")	100	EA	RESPONSE FOR EROSION CONTROL
1,024	LF	PAINT PAVEMENT MARKING LINES (8")	6	EA	CONCRETE WASHOUT STRUCTURE
57	LF	PAINT PAVEMENT MARKING LINES (12")	2,073	CY	CULVERT DIVERSION CHANNEL
269	LF	PAINT PAVEMENT MARKING LINES (24")	8	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
12	EA	PAINT PAVEMENT MARKING CHARACTER	24	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
26	EA	PAINT PAVEMENT MARKING SYMBOL	3,250	LF	SIGNAL CABLE
322	EA	NON-CAST IRON SNOWFLOWABLE PAVEMENT MARKER	10	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
39	LF	6" WATER LINE	7	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
1,095	LB	DUCTILE IRON WATER PIPE FITTINGS	6	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
1	EA	6" TAPPING SLEEVE & VALVE	5,400	LF	TRACER WIRE
1	EA	**" WATER METER (5/8")	25	LF	PAVED TRENCHING (*****) (1, 2")
9	EA	RELOCATE WATER METER	975	LF	UNPAVED TRENCHING (*****) (1, 2")
2	EA	FIRE HYDRANT	4,400	LF	UNPAVED TRENCHING (*****) (2, 2")
1	EA	RELOCATE FIRE HYDRANT	1,000	LF	DIRECTIONAL DRILL (*****) (2, 2")
109	LF	FIRE HYDRANT LEG	2	EA	JUNCTION BOX (*****) (SPECIAL OVERSIZED)
218	LF	WATER SERVICE LINE	9	EA	JUNCTION BOX (STANDARD SIZE)
538	LF	8" SANITARY GRAVITY SEWER	11	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
290	LF	12" FORCE MAIN SEWER	3,150	LF	INDUCTIVE LOOP SAWCUT
4	EA	SANITARY SEWER CLEAN-OUT	6,730	LF	LEAD-IN CABLE (*****) (14-2)
85	LF	SEWER SERVICE LINE	6,050	LF	COMMUNICATIONS CABLE (** FIBER) (24)
5	EA	4' DIA UTILITY MANHOLE	175	LF	DROP CABLE
10.5	LF	UTILITY MANHOLE WALL 4' DIA	2	EA	SPLICE ENCLOSURE
35	LF	ABANDON 6" UTILITY PIPE	2	EA	INTERCONNECT CENTER
608	LF	ABANDON 8" UTILITY PIPE	11	EA	DELINEATOR MARKER
233	LF	ABANDON 12" UTILITY PIPE	1	EA	MODIFY RADIO INSTALLATION
1	EA	REMOVE WATER METER	4	EA	METAL STRAIN SIGNAL POLE
2	EA	REMOVE FIRE HYDRANT	4	EA	SOIL TEST
3	EA	REMOVE UTILITY MANHOLE	24	CY	DRILLED PIER FOUNDATION
236	LF	18" ENCASEMENT PIPE	3	EA	SIGN FOR SIGNALS
124	LF	24" ENCASEMENT PIPE	1	EA	SIGNAL CABINET FOUNDATION
19,370	LF	TEMPORARY SILT FENCE	1	EA	CONTROLLERS WITH CABINET (*****) (2070LX, BASE MOUNTED)
380	TON	STONE FOR EROSION CONTROL, CLASS A	13	EA	DETECTOR CARD (TYPE 170)
4,040	TON	STONE FOR EROSION CONTROL, CLASS B	1	EA	CABINET BASE EXTENDER
2,415	TON	SEDIMENT CONTROL STONE	2	EA	GENERIC SIGNAL ITEM 2070LX CONTROLLER
45	ACR	TEMPORARY MULCHING	2	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
2,200	LB	SEED FOR TEMPORARY SEEDING	CULVERT ITEMS		
13	TON	FERTILIZER FOR TEMPORARY SEEDING	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (30+67.88 -L-)
2,635	LF	TEMPORARY SLOPE DRAINS	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (44+49.00 -L-)
560	LF	SAFETY FENCE	227	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
10,760	CY	SILT EXCAVATION	317.2	CY	CLASS A CONCRETE (CULVERT)
37,500	SY	MATTING FOR EROSION CONTROL	35,359	LB	REINFORCING STEEL (CULVERT)
500	SY	COIR FIBER MAT			
4,895	LF	1/4" HARDWARE CLOTH			
125	LF	TEMPORARY PIPE FOR STREAM CROSSING			
255	CY	STILLING BASINS			
4	EA	SPECIAL STILLING BASINS			
600	LF	WATTLE			
3,310	LF	WATTLE BARRIER			
580	LB	POLYACRYLAMIDE (PAM)			
2,520	LF	COIR FIBER BAFFLE			
6	EA	** SKIMMER (1-1/2")			
2	EA	** SKIMMER (2")			
39	ACR	SEEDING & MULCHING			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L231121

011

CONTRACT ID : C204471 45446.3.1

DIV OFFICE NORTH WILKESBORO LENGTH = 2.616 MI

COUNTY : WILKES

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 6.00% COMPLETION DATE : FEB 11, 2028

US-421 FROM EAST OF NC-16 TO US-421 BUS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	222	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (60", 0.844")
Lump Sum	LS	CONSTRUCTION SURVEYING	194	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.532")
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	128	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.688")
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	222	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.844")
43,500	CY	UNCLASSIFIED EXCAVATION	278	LF	GENERIC PIPE ITEM 60" PIPE REHABILITATION CIPP LINER
3,500	CY	UNDERCUT EXCAVATION	222	LF	GENERIC PIPE ITEM 78" PIPE REHABILITATION CIPP LINER
51,500	CY	BORROW EXCAVATION	500	LF	GENERIC PIPE ITEM PRE-INSTALLATION INSPECTION
2,078	CY	DRAINAGE DITCH EXCAVATION	2	EA	GENERIC PIPE ITEM DE-WATERING
510	LF	BERM DITCH CONSTRUCTION	9,166	LF	PIPE REMOVAL
18,260	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	2	EA	PIPE CLEAN OUT
3,500	CY	SELECT GRANULAR MATERIAL	Lump Sum	LS	FINE GRADING
7,300	SY	GEOTEXTILE FOR SOIL STABILIZATION	1,900	CY	SHALLOW UNDERCUT
1,425	SY	ROCK PLATING	3,800	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	693	TON	AGGREGATE BASE COURSE
2,600	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1,000	TON	INCIDENTAL STONE BASE
8,170	SY	FOUNDATION CONDITIONING GEOTEXTILE	660	GAL	PRIME COAT
12	LF	*** SIDE DRAIN PIPE (36")	2,600	SY	INCIDENTAL MILLING
188	LF	15" SIDE DRAIN PIPE	37,360	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
176	LF	18" SIDE DRAIN PIPE	29,170	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
276	LF	24" SIDE DRAIN PIPE	28,120	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,332	LF	15" RC PIPE CULVERTS, CLASS III	4,745	TON	ASPHALT BINDER FOR PLANT MIX
1,592	LF	18" RC PIPE CULVERTS, CLASS III	3,040	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
1,600	LF	24" RC PIPE CULVERTS, CLASS III	450	CY	SUBDRAIN EXCAVATION
488	LF	30" RC PIPE CULVERTS, CLASS III	340	CY	SUBDRAIN FINE AGGREGATE
2,156	LF	36" RC PIPE CULVERTS, CLASS III	2,000	LF	6" PERFORATED SUBDRAIN PIPE
20	LF	48" RC PIPE CULVERTS, CLASS III	4	EA	SUBDRAIN PIPE OUTLET
16	LF	60" RC PIPE CULVERTS, CLASS III	24	LF	6" OUTLET PIPE
16	LF	72" RC PIPE CULVERTS, CLASS III	25	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
6,204	LF	15" RC PIPE CULVERTS, CLASS IV	13	CY	ENDWALLS
1,496	LF	18" RC PIPE CULVERTS, CLASS IV	28	CY	REINFORCED ENDWALLS
2,568	LF	24" RC PIPE CULVERTS, CLASS IV	0.065	CY	PIPE PLUGS
2,500	LF	30" RC PIPE CULVERTS, CLASS IV	836	CY	FLOWABLE FILL
1,940	LF	36" RC PIPE CULVERTS, CLASS IV	221	EA	MASONRY DRAINAGE STRUCTURES
44	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	42	CY	MASONRY DRAINAGE STRUCTURES
80	LF	*** CS PIPE CULVERTS, ***** THICK (54", 0.079")	158	LF	MASONRY DRAINAGE STRUCTURES
588	LF	15" CS PIPE CULVERTS, 0.064" THICK	3	EA	FRAME WITH GRATE, STD 840.24
452	LF	18" CS PIPE CULVERTS, 0.064" THICK	56	EA	FRAME WITH TWO GRATES, STD 840.16
340	LF	24" CS PIPE CULVERTS, 0.064" THICK	92	EA	FRAME WITH TWO GRATES, STD 840.24
424	LF	30" CS PIPE CULVERTS, 0.079" THICK	40	EA	FRAME WITH TWO GRATES, STD 840.29
14	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
14	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
8	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
6	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")	14	EA	FRAME WITH COVER, STD 840.54
2	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")	59	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
194	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.532")			
128	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.688")			

1,070	LF	*** CONCRETE CURB & GUTTER (2'-9")	7,880	EA	TEMPORARY RAISED PAVEMENT MARKERS
17,330	LF	1'-6" CONCRETE CURB & GUTTER	68,635	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
4,640	LF	2'-6" CONCRETE CURB & GUTTER	14,725	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
3,620	LF	SHOULDER BERM GUTTER	1,310	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
2	EA	MODIFIED CONCRETE FLUME	143	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,890	LF	CONCRETE EXPRESSWAY GUTTER	464,900	LF	PAINT PAVEMENT MARKING LINES (4")
4,720	SY	4" CONCRETE SIDEWALK	51,700	LF	PAINT PAVEMENT MARKING LINES (8")
35	EA	CONCRETE CURB RAMPS	5,950	LF	PAINT PAVEMENT MARKING LINES (24")
550	SY	4" CONCRETE PAVED DITCH	8	EA	PAINT PAVEMENT MARKING CHARACTER
5,240	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	576	EA	PAINT PAVEMENT MARKING SYMBOL
750	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	5,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
11	EA	GENERIC PAVING ITEM DETECTABLE WARNING DOMES	500	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
4	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	20	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3	1,170	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
5,550	LF	STEEL BEAM GUARDRAIL	Lump Sum	LS	PORTABLE LIGHTING
750	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	327	LF	6" WATER LINE
10	EA	ADDITIONAL GUARDRAIL POSTS	6,274	LF	8" WATER LINE
4	EA	GUARDRAIL END UNITS, TYPE AT-1	721	LF	12" WATER LINE
11	EA	GUARDRAIL END UNITS, TYPE CAT-1	20,690	LF	16" WATER LINE
8	EA	GUARDRAIL END UNITS, TYPE TL-3	38,465	LB	DUCTILE IRON WATER PIPE FITTINGS
3	EA	GUARDRAIL END UNITS, TYPE TL-2	3	EA	6" VALVE
5,515	LF	REMOVE EXISTING GUARDRAIL	23	EA	8" VALVE
250	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL	3	EA	12" VALVE
666	TON	RIP RAP, CLASS I	32	EA	16" VALVE
129	TON	RIP RAP, CLASS II	2	EA	16" TAPPING SLEEVE & VALVE
1,310	TON	RIP RAP, CLASS B	36	EA	RELOCATE WATER METER
7,277	SY	GEOTEXTILE FOR DRAINAGE	15	EA	RECONNECT WATER METER
4	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	19	EA	FIRE HYDRANT
636	LB	SUPPORTS, BREAKAWAY STEEL BEAM	135	LF	FIRE HYDRANT LEG
2,812	LB	SUPPORTS, SIMPLE STEEL BEAM	522	LF	WATER SERVICE LINE
3,295	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	2,044	LF	*** SANITARY GRAVITY SEWER (15")
2	EA	SUPPORTS, 2-LB STEEL U-CHANNEL	13,654	LF	8" SANITARY GRAVITY SEWER
5	EA	SIGN ERECTION, TYPE D	1,572	LF	8" FORCE MAIN SEWER
147	EA	SIGN ERECTION, TYPE E	830	LB	DUCTILE IRON SEWER PIPE FITTINGS
33	EA	SIGN ERECTION, TYPE F	69	EA	4' DIA UTILITY MANHOLE
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	2	EA	5' DIA UTILITY MANHOLE
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	297	LF	UTILITY MANHOLE WALL 4' DIA
2	EA	SIGN ERECTION, MILEMARKERS	27	LF	UTILITY MANHOLE WALL 5' DIA
4	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2,384	LF	ABANDON *** UTILITY PIPE (15")
68	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	185	LF	ABANDON 6" UTILITY PIPE
1	EA	GENERIC SIGNING ITEM DISPOSAL OF SIGN SYSTEM, SPAN WIRE	20,800	LF	ABANDON 8" UTILITY PIPE
312	SF	WORK ZONE SIGNS (STATIONARY)	7,392	LF	ABANDON 10" UTILITY PIPE
560	SF	WORK ZONE SIGNS (PORTABLE)	6,121	LF	ABANDON 16" UTILITY PIPE
68	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	45	EA	ABANDON UTILITY MANHOLE
6	EA	FLASHING ARROW BOARD	216	LF	12" ENCASEMENT PIPE
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	844	LF	16" ENCASEMENT PIPE
890	EA	DRUMS	114	LF	24" ENCASEMENT PIPE
80	LF	BARRICADES (TYPE III)	812	LF	30" ENCASEMENT PIPE
104	DAY	FLAGGER	216	LF	BORE AND JACK OF *** (12")
6	EA	TEMPORARY CRASH CUSHIONS	288	LF	BORE AND JACK OF *** (16")
16	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	114	LF	BORE AND JACK OF *** (24")
4	EA	TMA	726	LF	BORE AND JACK OF *** (30")
6,030	LF	PORTABLE CONCRETE BARRIER	556	LF	BORE AND JACK OF *** (8")
7,065	LF	REMOVE AND RESET PORTABLE CONCRETE BARRIER	250	LF	DIRECTIONAL DRILLING OF *** (3/4")
365	HR	LAW ENFORCEMENT	182	LF	DIRECTIONAL DRILLING OF *** (8")
2,510	EA	SKINNY DRUM	24,200	LF	TEMPORARY SILT FENCE
3,120	LF	GENERIC TRAFFIC CONTROL ITEM LONGITUDINAL CHANNELIZING CURB SYSTEM	2,240	TON	STONE FOR EROSION CONTROL, CLASS A
			4,960	TON	STONE FOR EROSION CONTROL, CLASS B

5,655	TON	SEDIMENT CONTROL STONE	11	EA	SIGNAL CABINET FOUNDATION
78.5	ACR	TEMPORARY MULCHING	78	EA	DETECTOR CARD (TYPE 170)
3,800	LB	SEED FOR TEMPORARY SEEDING	15	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
20	TON	FERTILIZER FOR TEMPORARY SEEDING	16	EA	CABINET BASE EXTENDER
2,600	LF	TEMPORARY SLOPE DRAINS			
1,760	LF	SAFETY FENCE			
14,410	CY	SILT EXCAVATION			
100,000	SY	MATting FOR EROSION CONTROL	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (179+42.00 -L-)
200	SY	COIR FIBER MAT	50	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
11,875	LF	1/4" HARDWARE CLOTH	112.2	CY	CLASS A CONCRETE (CULVERT)
10	EA	SPECIAL STILLING BASINS	16,634	LB	REINFORCING STEEL (CULVERT)
2,540	LF	COIR FIBER WATTLE			
2,610	LB	POLYACRYLAMIDE (PAM)			
840	LF	COIR FIBER BAFFLE	7,269	SF	SOLDIER PILE RETAINING WALLS
1	EA	*** SKIMMER (1-1/2")	4,581	SF	ANCHORED RETAINING WALLS
1	EA	*** SKIMMER (2-1/2")			
1	EA	*** SKIMMER (3")			
66	ACR	SEEDING & MULCHING			
51	ACR	MOWING			
800	LB	SEED FOR REPAIR SEEDING			
2.25	TON	FERTILIZER FOR REPAIR SEEDING			
1,325	LB	SEED FOR SUPPLEMENTAL SEEDING			
39.5	TON	FERTILIZER TOPDRESSING			
560	LF	IMPERVIOUS DIKE			
30	MHR	SPECIALIZED HAND MOWING			
29	MHR	MANUAL LITTER REMOVAL			
4	TON	LITTER DISPOSAL			
100	EA	RESPONSE FOR EROSION CONTROL			
6	EA	CONCRETE WASHOUT STRUCTURE			
0.5	ACR	REFORESTATION			
140	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION			
420	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION CLEANOUT			
20	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
34,372	LF	SIGNAL CABLE			
124	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
57	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
4,059	LF	MESSENGER CABLE (3/8")			
10,005	LF	UNPAVED TRENCHING (***** (1, 2"))			
3,980	LF	DIRECTIONAL DRILL (***** (1, 2"))			
116	EA	JUNCTION BOX (STANDARD SIZE)			
26	EA	WOOD POLE			
40	EA	GUY ASSEMBLY			
15	EA	2" RISER WITH WEATHERHEAD			
8,176	LF	INDUCTIVE LOOP SAWCUT			
25,538	LF	LEAD-IN CABLE (***** (14-2))			
14	EA	SITE SURVEY			
29	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT			
11	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT			
15	EA	900MHZ SERIAL/ETHERNET SPREAD SPECTRUM RADIO			
19	EA	METAL POLE WITH SINGLE MAST ARM			
2	EA	METAL POLE WITH DUAL MAST ARM			
21	EA	SOIL TEST			
168	CY	DRILLED PIER FOUNDATION			
21	EA	MAST ARM WITH METAL POLE DESIGN			
43	EA	SIGN FOR SIGNALS			
4	EA	TYPE I POST WITH FOUNDATION			
33	EA	TYPE II PEDESTAL WITH FOUNDATION			
1	EA	TYPE III PEDESTAL WITH FOUNDATION			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

012

CONTRACT ID : C204852

34554.3.3

DIV OFFICE SHELBY

LENGTH = 1.118 MI

COUNTY : IREDELL

WIDENING, GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 5.00% COMPLETION DATE : JAN 28, 2029

SR-1100 (BRAWLEY SCHOOL RD) FROM I-77 TO US-21

ROADWAY ITEMS					
Lump Sum	LS	MOBILIZATION	2,415	TON	ASPHALT BINDER FOR PLANT MIX
Lump Sum	LS	CONSTRUCTION SURVEYING	3,400	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	112	CY	SUBDRAIN EXCAVATION
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
1	EA	SEALING ABANDONED WELLS	84	CY	SUBDRAIN COARSE AGGREGATE
36,200	CY	UNCLASSIFIED EXCAVATION	500	LF	6" PERFORATED SUBDRAIN PIPE
9,350	CY	UNDERCUT EXCAVATION	1	EA	SUBDRAIN PIPE OUTLET
161,900	CY	BORROW EXCAVATION	6	LF	6" OUTLET PIPE
1,210	CY	DRAINAGE DITCH EXCAVATION	11.6	CY	REINFORCED ENDWALLS
6,820	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	1.549	CY	PIPE COLLARS
3,340	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	0.139	CY	PIPE PLUGS
9,300	CY	SELECT GRANULAR MATERIAL	20	CY	FLOWABLE FILL
9,500	SY	GEOTEXTILE FOR SOIL STABILIZATION	223	EA	MASONRY DRAINAGE STRUCTURES
4,717	SF	TEMPORARY SHORING	43.3	CY	MASONRY DRAINAGE STRUCTURES
500	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF COAL ASH CONTAMINATED MATERIAL	271.4	LF	MASONRY DRAINAGE STRUCTURES
50	TON	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	59	EA	FRAME WITH TWO GRATES, STD 840.16
1,870	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	9	EA	FRAME WITH TWO GRATES, STD 840.24
5,870	SY	FOUNDATION CONDITIONING GEOTEXTILE	13	EA	FRAME WITH TWO GRATES, STD 840.29
136	LF	15" DRAINAGE PIPE	17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
200	LF	18" DRAINAGE PIPE	54	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
200	LF	24" DRAINAGE PIPE	59	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
68	LF	30" DRAINAGE PIPE	19	EA	FRAME WITH COVER, STD 840.54
116	LF	15" RC PIPE CULVERTS, CLASS III	30	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET
1,160	LF	18" RC PIPE CULVERTS, CLASS III	36	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
220	LF	24" RC PIPE CULVERTS, CLASS III	300	LF	*** X *** CONCRETE CURB (8" X 18")
228	LF	30" RC PIPE CULVERTS, CLASS III	6,400	LF	***_*** CONCRETE CURB & GUTTER (2'-9")
132	LF	36" RC PIPE CULVERTS, CLASS III	450	LF	1'-6" CONCRETE CURB & GUTTER
52	LF	42" RC PIPE CULVERTS, CLASS III	18,250	LF	2'-6" CONCRETE CURB & GUTTER
60	LF	48" RC PIPE CULVERTS, CLASS III	7,170	SY	4" CONCRETE SIDEWALK
304	LF	60" RC PIPE CULVERTS, CLASS III	35	EA	CONCRETE CURB RAMPS
16	LF	15" RC PIPE CULVERTS, CLASS IV	160	SY	6" CONCRETE DRIVEWAY
9,272	LF	18" RC PIPE CULVERTS, CLASS IV	30	SY	4" CONCRETE PAVED DITCH
3,100	LF	24" RC PIPE CULVERTS, CLASS IV	4,810	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
376	LF	30" RC PIPE CULVERTS, CLASS IV	116	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
708	LF	36" RC PIPE CULVERTS, CLASS IV	40	EA	GENERIC PAVING ITEM PRECAST CONCRETE PARKING CURB
1,124	LF	42" RC PIPE CULVERTS, CLASS IV	8	EA	ADJUSTMENT OF MANHOLES
116	LF	18" CS PIPE CULVERTS, 0.064" THICK	15	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
4	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE
4,502	LF	PIPE REMOVAL	1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE
6,400	SY	GENERIC GRADING ITEM GEOTEXTILE FOR SUBGRADE STABILIZATION	4	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3
Lump Sum	LS	FINE GRADING	3,087.5	LF	STEEL BEAM GUARDRAIL
1,950	CY	SHALLOW UNDERCUT	487.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
4,250	TON	CLASS IV SUBGRADE STABILIZATION	4	EA	EXTRA LENGTH GUARDRAIL POST (** STEEL) (8')
2,550	TON	INCIDENTAL STONE BASE	10	EA	ADDITIONAL GUARDRAIL POSTS
3,010	SY	INCIDENTAL MILLING	10	EA	GUARDRAIL END UNITS, TYPE CAT-1
16,760	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	6	EA	GUARDRAIL END UNITS, TYPE TL-3
16,010	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
15,040	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			

8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	1,715	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
919	LF	REMOVE EXISTING GUARDRAIL	1,150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
633	LF	CHAIN LINK FENCE, *** FABRIC (72")	28	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
861	LF	CHAIN LINK FENCE, 48" FABRIC	126	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
54	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")	12	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
71	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	32	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
7	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")	155,849	LF	PAINT PAVEMENT MARKING LINES (4")
9	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	15,745	LF	PAINT PAVEMENT MARKING LINES (8")
1	EA	DOUBLE GATES, *** HIGH, **' WIDE, **' OPENING (60", 8', 16')	1,560	LF	PAINT PAVEMENT MARKING LINES (24")
1	EA	DOUBLE GATES, *** HIGH, **' WIDE, **' OPENING (72", 8', 16')	48	EA	PAINT PAVEMENT MARKING CHARACTER
20	LF	BARBED WIRE FENCE RESET	316	EA	PAINT PAVEMENT MARKING SYMBOL
90	LF	CHAIN LINK FENCE RESET	42,100	LF	POLYUREA PAVEMENT MARKING LINES, ***, ** MILS (STANDARD GLASS BEADS) (4", 20 MILS)
640	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL	4,150	LF	POLYUREA PAVEMENT MARKING LINES, ***, ** MILS (STANDARD GLASS BEADS) (8", 20 MILS)
1	EA	GENERIC FENCING ITEM RESET EXISTING FENCE GATE	100	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
870	TON	RIP RAP, CLASS I	4	EA	GENERIC PAVEMENT MARKING ITEM IN LANE ROUTE SHIELDS
1,810	TON	RIP RAP, CLASS II	975	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
1	TON	RIP RAP, CLASS A	105	LF	6" WATER LINE
380	TON	RIP RAP, CLASS B	850	LF	8" WATER LINE
3,430	SY	GEOTEXTILE FOR DRAINAGE	1,270	LF	12" WATER LINE
125	CY	OVERHEAD FOOTING	1,335	LF	16" WATER LINE
2,500	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	22,435	LB	DUCTILE IRON WATER PIPE FITTINGS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (32+00 -Y-)	16	EA	6" VALVE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (32+25 -Y-)	5	EA	8" VALVE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (40+38 -Y-)	1	EA	12" VALVE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (40+63 -Y-)	1	EA	8" TAPPING SLEEVE & VALVE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (60+25 -L-)	2	EA	16" TAPPING SLEEVE & VALVE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (65+25 -L-)	4	EA	24" TAPPING SLEEVE & VALVE
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (65+25 -L-)	12	EA	RELOCATE WATER METER
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (65+25 -L-)	1	EA	RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (65+25 -L-)	14	EA	RELOCATE FIRE HYDRANT
149	EA	SIGN ERECTION, TYPE E	491	LF	FIRE HYDRANT LEG
8	EA	SIGN ERECTION, TYPE F	4	EA	24" LINE STOP
1	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)	223	LF	*** WATER SERVICE LINE (2")
2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)	415	LF	WATER SERVICE LINE
46	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	2,597	LF	8" SANITARY GRAVITY SEWER
2	EA	DISPOSAL OF SUPPORT, U-CHANNEL	185	LF	24" FORCE MAIN SEWER
461	SF	WORK ZONE SIGNS (STATIONARY)	3	EA	SANITARY SEWER CLEAN-OUT
480	SF	WORK ZONE SIGNS (PORTABLE)	45	LF	SEWER SERVICE LINE
199	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	10,940	LB	DUCTILE IRON SEWER PIPE FITTINGS
3	EA	FLASHING ARROW BOARD	24	EA	4' DIA UTILITY MANHOLE
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	125	LF	UTILITY MANHOLE WALL 4' DIA
700	EA	DRUMS	55	LF	ABANDON 6" UTILITY PIPE
240	LF	BARRICADES (TYPE III)	3,709	LF	ABANDON 8" UTILITY PIPE
134	DAY	FLAGGER	1,205	LF	ABANDON 12" UTILITY PIPE
2	EA	TEMPORARY CRASH CUSHIONS	1,270	LF	ABANDON 16" UTILITY PIPE
2	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	136	LF	ABANDON 24" UTILITY PIPE
860	LF	PORTABLE CONCRETE BARRIER	3	EA	REMOVE WATER METER
140	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	15	EA	ABANDON UTILITY MANHOLE
810	LF	REMOVE AND RESET PORTABLE CONCRETE BARRIER	40	LF	*** ENCASEMENT PIPE (24")
16	HR	LAW ENFORCEMENT	398	LF	16" ENCASEMENT PIPE
1,443	EA	TEMPORARY RAISED PAVEMENT MARKERS	48	LF	36" ENCASEMENT PIPE
950	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	403	LF	BORE AND JACK OF *** (16")
			17,200	LF	TEMPORARY SILT FENCE
			1,275	TON	STONE FOR EROSION CONTROL, CLASS A
			3,755	TON	STONE FOR EROSION CONTROL, CLASS B
			3,525	TON	SEDIMENT CONTROL STONE
			9	ACR	TEMPORARY MULCHING

600	LB	SEED FOR TEMPORARY SEEDING	3,710	LF	INDUCTIVE LOOP SAWCUT
5.5	TON	FERTILIZER FOR TEMPORARY SEEDING	16,940	LF	LEAD-IN CABLE (*****) (14-2)
885	LF	TEMPORARY SLOPE DRAINS	2	EA	SITE SURVEY
3,640	LF	SAFETY FENCE	3	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
51,380	CY	SILT EXCAVATION	2	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
21,500	SY	MATTING FOR EROSION CONTROL	6,920	LF	COMMUNICATIONS CABLE (** FIBER) (48)
100	SY	COIR FIBER MAT	1,210	LF	DROP CABLE
30	SY	PERMANENT SOIL REINFORCEMENT MAT	5	EA	SPLICE ENCLOSURE
7,620	LF	1/4" HARDWARE CLOTH	17	EA	DELINEATOR MARKER
4	EA	SPECIAL STILLING BASINS	4	EA	METAL STRAIN SIGNAL POLE
30	LF	COIR FIBER WATTLE	3	EA	METAL POLE WITH SINGLE MAST ARM
900	LB	POLYACRYLAMIDE (PAM)	1	EA	METAL POLE WITH DUAL MAST ARM
855	LF	COIR FIBER BAFFLE	8	EA	SOIL TEST
3	EA	*** SKIMMER (1-1/2")	8	CY	DRILLED PIER FOUNDATION
1	EA	*** SKIMMER (2")	4	EA	METAL STRAIN POLE DESIGN
1	EA	*** SKIMMER (3")	4	EA	MAST ARM WITH METAL POLE DESIGN
12	ACR	SEEDING & MULCHING	28	EA	SIGN FOR SIGNALS
6	ACR	MOWING	12	EA	TYPE I POST WITH FOUNDATION
100	LB	SEED FOR REPAIR SEEDING	10	EA	TYPE II PEDESTAL WITH FOUNDATION
0.5	TON	FERTILIZER FOR REPAIR SEEDING	1	EA	TYPE III PEDESTAL WITH FOUNDATION
375	LB	SEED FOR SUPPLEMENTAL SEEDING	2	EA	RELOCATE EXISTING SIGN
11.25	TON	FERTILIZER TOPDRESSING	4	EA	SIGNAL CABINET FOUNDATION
285	LF	IMPERVIOUS DIKE	1	EA	MODIFY FOUNDATION FOR CONTROLLER CABINET
10	MHR	SPECIALIZED HAND MOWING	5	EA	CONTROLLERS WITH CABINET (*****) (TYPE 2070LX, BASE MOUNTED)
7	MHR	MANUAL LITTER REMOVAL	30	EA	DETECTOR CARD (TYPE 2070L)
2	TON	LITTER DISPOSAL	5	EA	CABINET BASE EXTENDER
25	EA	RESPONSE FOR EROSION CONTROL	5	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
4	EA	CONCRETE WASHOUT STRUCTURE	2	EA	GENERIC SIGNAL ITEM EVP PHASE SELECTOR
0.1	ACR	REFORESTATION	2	EA	GENERIC SIGNAL ITEM OPTICAL DETECTOR UNIT
17	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	CULVERT ITEMS		
51	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (36+00.33 -L-)
18	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (36+00.33 -L-)
15,870	LF	SIGNAL CABLE	921	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
57	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	649.4	CY	CLASS A CONCRETE (CULVERT)
7	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	117,735	LB	REINFORCING STEEL (CULVERT)
6	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)	1,611	SY	GENERIC CULVERT ITEM FOUNDATION CONDITIONING GEOTEXTILE
4,640	LF	MESSANGER CABLE (1/4")	WALL ITEMS		
730	LF	MESSANGER CABLE (3/8")	16,240	SF	MSE RETAINING WALL NO **** (1)
1,810	LF	TRACER WIRE	420	SF	MSE RETAINING WALL NO **** (2)
20	LF	PAVED TRENCHING (*****) (1, 2")	1,200	SF	MSE RETAINING WALL NO **** (3)
280	LF	PAVED TRENCHING (*****) (2, 2")	230	SF	MSE RETAINING WALL NO **** (4)
1,840	LF	UNPAVED TRENCHING (*****) (1, 2")	970	SF	MSE RETAINING WALL NO **** (5)
2,090	LF	UNPAVED TRENCHING (*****) (2, 2")	440	SF	MSE RETAINING WALL NO **** (6)
30	LF	UNPAVED TRENCHING (*****) (3, 2")	16,224	SF	GENERIC RETAINING WALL ITEM ARCHITECTURAL SURFACE TREATMENT (SOUND BARRIER WALL)
110	LF	UNPAVED TRENCHING (*****) (4, 2")	10,365	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO -NW2-
110	LF	UNPAVED TRENCHING (*****) (6, 2")			
60	LF	DIRECTIONAL DRILL (*****) (1, 2")			
1,020	LF	DIRECTIONAL DRILL (*****) (2, 2")			
80	LF	DIRECTIONAL DRILL (*****) (3, 2")			
130	LF	DIRECTIONAL DRILL (*****) (4, 2")			
41	EA	JUNCTION BOX (STANDARD SIZE)			
26	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
4	EA	WOOD POLE			
15	EA	GUY ASSEMBLY			
1	EA	1" RISER WITH WEATHERHEAD			
4	EA	2" RISER WITH WEATHERHEAD			
6	EA	2" RISER WITH HEAT SHRINK TUBING			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L231121

013

CONTRACT ID : C204904 44984.3.1

DIV OFFICE SYLVA

LENGTH = 0.461 MI

COUNTY : TRANSYLVANIA

GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.

DBE GOAL 6.00% COMPLETION DATE : MAY 14, 2027

INTERSECTIONS OF US-64 / US-276 (HENDERSONVILLE HWY), AND US-64 / NC-280 (ASHEVILLE HWY).

ROADWAY ITEMS

			10	CY	FLOWABLE FILL
Lump Sum	LS	MOBILIZATION	101	EA	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	CONSTRUCTION SURVEYING	59	CY	MASONRY DRAINAGE STRUCTURES
1,450	CY	UNDERCUT EXCAVATION	23	LF	MASONRY DRAINAGE STRUCTURES
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	23	EA	FRAME WITH TWO GRATES, STD 840.16
Lump Sum	LS	GRADING	1	EA	FRAME WITH TWO GRATES, STD 840.24
23,750	CY	BORROW EXCAVATION	1	EA	FRAME WITH TWO GRATES, STD 840.29
3	EA	EMBANKMENT SETTLEMENT GAUGES	21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
1,000	CY	SELECT GRANULAR MATERIAL	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
2,000	SY	GEOTEXTILE FOR SOIL STABILIZATION	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
2,300	SF	TEMPORARY SHORING	7	EA	FRAME WITH COVER, STD 840.54
30	SY	ROCK PLATING	8	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
930	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1,130	LF	*** X *** CONCRETE CURB (8" X 18")
2,910	SY	FOUNDATION CONDITIONING GEOTEXTILE	470	LF	*** X *** CONCRETE CURB (9" X 18")
50	LF	*** SIDE DRAIN PIPE (12")	2,890	LF	1'-6" CONCRETE CURB & GUTTER
80	LF	15" SIDE DRAIN PIPE	11,650	LF	2'-6" CONCRETE CURB & GUTTER
44	LF	24" SIDE DRAIN PIPE	5,510	SY	4" CONCRETE SIDEWALK
1,124	LF	**** RC PIPE CULVERTS, CLASS ***** (15", V)	84	EA	CONCRETE CURB RAMPS
360	LF	**** RC PIPE CULVERTS, CLASS ***** (18", V)	320	SY	6" CONCRETE DRIVEWAY
124	LF	**** RC PIPE CULVERTS, CLASS ***** (24", V)	1,040	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
44	LF	**** RC PIPE CULVERTS, CLASS ***** (30", V)	1,270	SY	7" JOINTED CONCRETE TRUCK APRON WITH WIRE MESH
552	LF	15" RC PIPE CULVERTS, CLASS III	1	EA	ADJUSTMENT OF DROP INLETS
516	LF	18" RC PIPE CULVERTS, CLASS III	4	EA	ADJUSTMENT OF MANHOLES
368	LF	24" RC PIPE CULVERTS, CLASS III	2	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
144	LF	36" RC PIPE CULVERTS, CLASS III	2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
128	LF	54" RC PIPE CULVERTS, CLASS III	1	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN
77	LF	72" RC PIPE CULVERTS, CLASS III	2,250	LF	STEEL BEAM GUARDRAIL
2,904	LF	15" RC PIPE CULVERTS, CLASS IV	25	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
116	LF	18" RC PIPE CULVERTS, CLASS IV	10	EA	ADDITIONAL GUARDRAIL POSTS
436	LF	24" RC PIPE CULVERTS, CLASS IV	1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III, SHOP CURVED)
664	LF	30" RC PIPE CULVERTS, CLASS IV	8	EA	GUARDRAIL END UNITS, TYPE CAT-1
140	LF	18" CS PIPE CULVERTS, 0.064" THICK	8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	2	EA	GUARDRAIL END UNITS, TYPE TL-3
3,106	LF	PIPE REMOVAL	17	EA	GUARDRAIL END UNITS, TYPE TL-2
500	CY	SHALLOW UNDERCUT	930	LF	GENERIC FENCING ITEM HANDRAIL
1,000	TON	CLASS IV SUBGRADE STABILIZATION	189	TON	RIP RAP, CLASS I
250	TON	INCIDENTAL STONE BASE	112	TON	RIP RAP, CLASS B
1,690	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	1,254	SY	GEOTEXTILE FOR DRAINAGE
200	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/4")	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
1,500	SY	INCIDENTAL MILLING	204	LB	SUPPORTS, BREAKAWAY STEEL BEAM
10,450	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE II19.0C	1,410	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
8,680	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	11	EA	SIGN ERECTION, TYPE D
2,510	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	109	EA	SIGN ERECTION, TYPE E
1,000	LF	6" PERFORATED SUBDRAIN PIPE	13	EA	SIGN ERECTION, TYPE F
2	CY	ENDWALLS	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
8	CY	REINFORCED ENDWALLS			
2.98	CY	PIPE COLLARS			
0.3	CY	PIPE PLUGS			

27	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	52	LF	FIRE HYDRANT LEG
2	EA	DISPOSAL OF SUPPORT, STEEL BEAM	1	EA	10" LINE STOP WITH BYPASS
46	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1,502	LF	WATER SERVICE LINE
20	EA	DISPOSAL OF SUPPORT, U-CHANNEL	1	EA	GENERIC UTILITY ITEM 4" CHECK VALVE
1	EA	DISPOSAL OF SIGN, A & B (GROUND MOUNTED)	24	LF	4" SANITARY GRAVITY SEWER
17	EA	DISPOSAL OF SIGN, D, E OR F	337	LF	8" SANITARY GRAVITY SEWER
2	EA	GENERIC SIGNING ITEM END OF MEDIAN MARKER	34	LF	4" FORCE MAIN SEWER
348	SF	WORK ZONE SIGNS (STATIONARY)	251	LF	6" FORCE MAIN SEWER
336	SF	WORK ZONE SIGNS (PORTABLE)	1	EA	SANITARY SEWER CLEAN-OUT
234	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	10	LF	SEWER SERVICE LINE
2	EA	FLASHING ARROW BOARD	1,275	LB	DUCTILE IRON SEWER PIPE FITTINGS
4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	4	EA	4' DIA UTILITY MANHOLE
300	EA	DRUMS	9	LF	UTILITY MANHOLE WALL 4' DIA
50	EA	SEQUENTIAL FLASHING WARNING LIGHTS	552	LF	ABANDON 6" UTILITY PIPE
80	LF	BARRICADES (TYPE III)	509	LF	ABANDON 8" UTILITY PIPE
180	LF	PEDESTRIAN CHANNELIZING DEVICES	3,656	LF	ABANDON 10" UTILITY PIPE
170	DAY	FLAGGER	1	EA	REMOVE FIRE HYDRANT
2	EA	TEMPORARY CRASH CUSHIONS	1	EA	ABANDON UTILITY MANHOLE
2	EA	TMA	10	LF	***" ENCASEMENT PIPE (10")
450	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	10	LF	6" ENCASEMENT PIPE
320	HR	LAW ENFORCEMENT	402	LF	24" ENCASEMENT PIPE
8	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	328	LF	DIRECTIONAL DRILLING OF *** (12")
19,903	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	3,250	HR	GENERIC UTILITY ITEM UTILITY COORDINATION
4,854	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	11,860	LF	TEMPORARY SILT FENCE
2,209	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	560	TON	STONE FOR EROSION CONTROL, CLASS A
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	515	TON	STONE FOR EROSION CONTROL, CLASS B
168	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	900	TON	SEDIMENT CONTROL STONE
60	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	8.5	ACR	TEMPORARY MULCHING
14,360	LF	PAINT PAVEMENT MARKING LINES (4")	500	LB	SEED FOR TEMPORARY SEEDING
1,099	LF	PAINT PAVEMENT MARKING LINES (6")	2.5	TON	FERTILIZER FOR TEMPORARY SEEDING
2,697	LF	PAINT PAVEMENT MARKING LINES (8")	200	LF	TEMPORARY SLOPE DRAINS
697	LF	PAINT PAVEMENT MARKING LINES (24")	560	LF	SAFETY FENCE
4	EA	PAINT PAVEMENT MARKING CHARACTER	1,150	CY	SILT EXCAVATION
31	EA	PAINT PAVEMENT MARKING SYMBOL	20,000	SY	MATTING FOR EROSION CONTROL
8,244	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	100	SY	COIR FIBER MAT
1,400	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	2,420	LF	1/4" HARDWARE CLOTH
325	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	3	EA	SPECIAL STILLING BASINS
26	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	450	LF	COIR FIBER WATTLE
626	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	140	LB	POLYACRYLAMIDE (PAM)
Lump Sum	LS	PORTABLE LIGHTING	80	LF	COIR FIBER BAFFLE
173	LF	2" WATER LINE	5	ACR	SEEDING & MULCHING
69	LF	6" WATER LINE	3	ACR	MOWING
359	LF	8" WATER LINE	100	LB	SEED FOR REPAIR SEEDING
3,665	LF	10" WATER LINE	0.25	TON	FERTILIZER FOR REPAIR SEEDING
328	LF	12" WATER LINE	200	LB	SEED FOR SUPPLEMENTAL SEEDING
11,040	LB	DUCTILE IRON WATER PIPE FITTINGS	6	TON	FERTILIZER TOPDRESSING
1	EA	2" VALVE	315	LF	IMPERVIOUS DIKE
1	EA	4" VALVE	10	MHR	SPECIALIZED HAND MOWING
6	EA	6" VALVE	5	MHR	MANUAL LITTER REMOVAL
1	EA	8" VALVE	1	TON	LITTER DISPOSAL
12	EA	10" VALVE	75	EA	RESPONSE FOR EROSION CONTROL
3	EA	10" TAPPING SLEEVE & VALVE	6	EA	CONCRETE WASHOUT STRUCTURE
9	EA	1" AIR RELEASE VALVE	0.1	ACR	REFORESTATION
30	EA	RELOCATE WATER METER	50	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
7	EA	RECONNECT WATER METER	150	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
2	EA	FIRE HYDRANT	2	EA	ACER RUBRUM, RED MAPLE, ACER RUBRUM RED MAPLE ('BOWHALL', 10'-12')
3	EA	RELOCATE FIRE HYDRANT	3	EA	CERCIS CANADENSIS, REDBUD, (5' MIN.)
			6	EA	CORNUS KOUSA, KOUSA DOGWOOD, CORNUS KOUSA KOUSA DOGWOOD (JAPANESE DOGWOOD, 5' MIN)

45	EA	HEMEROCALLIS, DAYLILY HEMEROCALLIS DAYLILLY ('HAPPY RETURNS' DWARF DAYLILY 1 GAL)	13	EA	GENERIC PLANTING ITEM RHODODENDRON 'CHIONOIDES' RHODODENDRON (3 GAL)
4	EA	ILEX VERTICILLATA, WINTERBERRY ILEX VERTICILLATA ('JIM DANDY' WINTERBERRY, 7 GAL)	14	EA	GENERIC PLANTING ITEM RHODODENDRON 'ROBLES' PP22762 AUTUMN LILAC ENCORE AZALEA (3 GAL)
18	EA	ILEX VERTICILLATA, WINTERBERRY ILEX VERTICILLATA ('RED SPRITE' WINTERBERRY, 3 GAL)	5	EA	GENERIC PLANTING ITEM RHODODENDRON 'ROSEUM ELEGANS' RHODODENDRON (5-7 GAL)
106	EA	ITEA VIRGINICA, VIRGINIA SWEETSPIRE, ITEA VIRGINICA ('SPRICH' LITTLE HENRY SWEETSPIRE, 3 GAL)	97	EA	GENERIC PLANTING ITEM ROSA X 'NOATRAUM' FLOWER CARPET PINK GROUND COVER ROSE (3 GAL)
3	EA	NYSSA SYLVATICA, BLACK GUM, NYSSA SYLVATICA TUPELO, BLACK GUM (2.5-3 GAL)	20	EA	GENERIC PLANTING ITEM SALVIA NEMOROSA 'CARADONNA' MEADOW SAGE (1 GAL)
4	EA	GENERIC PLANTING ITEM AMELANCHIER CANADENSIS SHADBLOW SERVICEBERRY (6')	85	EA	GENERIC PLANTING ITEM SPIRAEA JAPONICA 'YAN' USPP 21615 DOUBLE PLAY GOLD SPIREA (3 GAL)
34	EA	GENERIC PLANTING ITEM ARONIA MELANOCARPA 'UCONNAM165' MOUND CHOKEBERRY (2 GAL)	85	EA	GENERIC PLANTING ITEM SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED (1 GAL)
21	EA	GENERIC PLANTING ITEM BAPTISIA HYBRID FALSE INDIGO (1 GAL)	242	EA	GENERIC PLANTING ITEM SPOROBOLUS HETEROLEPIS 'TARA' PRAIRIE DROPSEED (1 GAL)
18	EA	GENERIC PLANTING ITEM CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' FOERSTER'S FEATHER REED GRASS (3 GAL)	16	EA	GENERIC PLANTING ITEM TAXUS X MEDIA 'EVERLOW' SPREADING YEW (3 GAL)
66	EA	GENERIC PLANTING ITEM CAREX AMPHIBOLA CREEK SEDGE (3.25")	7	EA	GENERIC PLANTING ITEM THUJA OCCIDENTALIS 'TECHNY' ARBORVITAE (6' MIN)
36	EA	GENERIC PLANTING ITEM CAREX FLACCA 'BLUE ZINGER' BLUE ZINGER SEDGE (3.25")	5	EA	GENERIC PLANTING ITEM VIBURNUM X PRAGENSE PRAGUE VIBURNUM (3'X3' MIN)
4	EA	GENERIC PLANTING ITEM CARPINUS CAROLINIANA 'JFS-KW6' NATIVE FLAME AMERICAN HORNBEAM (5' MIN)	24	EA	GENERIC PLANTING ITEM CONCRETE TUBE FOR POST HOLES (8" DIAMETER X 48" DEPTH)
3	EA	GENERIC PLANTING ITEM CHIONANTHUS VIRGINICUS WHITE FRINGE TREE (5' MIN)	38	EA	GENERIC PLANTING ITEM LANDSCAPE LIGHTS
3	EA	GENERIC PLANTING ITEM CORNUS X 'RUTGAN' STELLER PINK DOGWOOD (5' MIN)	2	EA	GENERIC PLANTING ITEM LOW VOLTAGE TRANSFORMER
3	EA	GENERIC PLANTING ITEM CRATAEGUS VIRIDIS 'WINTER KING' HAWTHORN (2-2.5" CAL)	5	EA	GENERIC PLANTING ITEM MEDIUM BOULDERS
76	EA	GENERIC PLANTING ITEM DESCHAMPSIA CAESPITOSA 'GOLDTAU' GOLDEN DEW TUFTED HAIR GRASS (1 GAL)	2	EA	GENERIC PLANTING ITEM PHOTOCCELL
44	EA	GENERIC PLANTING ITEM DEUTZIA GRACILIS 'MINCREAM' CREME FRAICHE DEUTZIA (3 GAL)	6	EA	GENERIC PLANTING ITEM SMALL BOULDERS
19	EA	GENERIC PLANTING ITEM FOTHERGILLA GARDENII 'BLUE SHADOW' FOTHERGILLA (3 GAL)	12	EA	GENERIC PLANTING ITEM TIMBER FENCE SECTION INCLUDING FASTENERS AND STAIN
60	EA	GENERIC PLANTING ITEM HELIANTHUS ANNUUS 'LOW DOWN' SUNFLOWER (1 GAL)	38,352	SF	GENERIC PLANTING ITEM SODDING
71	EA	GENERIC PLANTING ITEM HYDRANGEA ARBORESCENS 'NCHAS' INVINCIBELLE WEE WHITE (2 GAL)	4.5	TON	GENERIC PLANTING ITEM FLAGSTONE
10	EA	GENERIC PLANTING ITEM HYDRANGEA PANICULATA 'LIMELIGHT' HARDY HYDRANGEA (5 GAL)	140	CY	GENERIC PLANTING ITEM MULCH
100	EA	GENERIC PLANTING ITEM HYDRANGEA SERRATA 'MAKD' TINY TUFF STUFF MOUNTAIN HYDRANGEA (2 GAL)	14	CY	GENERIC PLANTING ITEM RIVER ROCK
23	EA	GENERIC PLANTING ITEM JUNIPERUS SQUAMATA 'BLUE STAR' BLUE STAR JUNIPER (3 GAL)	2.8	CY	GENERIC PLANTING ITEM SAND FOR SETTING BED
29	EA	GENERIC PLANTING ITEM MONARDA DIDYMA 'PARDON MY PURPLE' BEE BALM (1 GAL)	95	CY	GENERIC PLANTING ITEM SOIL AMENDMENT
74	EA	GENERIC PLANTING ITEM NEPETA X FAASSENII 'WALKER'S LOW' CATMINT (1 GAL)	690	LF	GENERIC PLANTING ITEM CONDUIT 1-1/2" PVC
18	EA	GENERIC PLANTING ITEM PHLOX HYBRIDA 'PHL091601' PAPARAZZI LEVINE CREEPING PHLOX (1 GAL)	200	LF	GENERIC PLANTING ITEM CONDUIT 1" PVC
24	EA	GENERIC PLANTING ITEM PHLOX HYBRIDA 'PPPHL07301' PAPARAZZI ANGELINA CREEPING PHLOX (1 GAL)	950	LF	GENERIC PLANTING ITEM LANDSCAPE EDGING
6	EA	GENERIC PLANTING ITEM PICEA ABIES 'CUPRESSINA' COLUMNAR NORWAY SPRUCE (10'-12')	10	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
3	EA	GENERIC PLANTING ITEM PICEA GLAUCA 'PENDULA' WEEPING WHITE SPRUCE (8' MIN)	15,910	LF	SIGNAL CABLE
37	EA	GENERIC PLANTING ITEM PINUS MUGO 'SLOWMOUND' SLOWMOUND MUGO PINE (3 GAL)	42	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
27	EA	GENERIC PLANTING ITEM PRUNUS LAUROCERASUS 'MOUNT VERNON' ENGLISH LAUREL (3 GAL)	11	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
9	EA	GENERIC PLANTING ITEM QUERCUS X WAREI 'NADLER' KINDRED SPIRIT OAK (10-12")	2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
			12	EA	APS DETECTOR STATION
			2	EA	CENTRAL CONTROL UNIT APS DETECTOR STATION
			3,128	LF	MESSANGER CABLE (3/8")
			1,061	LF	PAVED TRENCHING (***** (1, 2")
			238	LF	PAVED TRENCHING (***** (2, 2")
			2	LF	PAVED TRENCHING (***** (3, 2")
			11	LF	PAVED TRENCHING (***** (6, 2")
			148	LF	UNPAVED TRENCHING (***** (1, 2")
			13	LF	UNPAVED TRENCHING (***** (2, 2")
			230	LF	DIRECTIONAL DRILL (***** (2, 2")
			18	EA	JUNCTION BOX (STANDARD SIZE)

3	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
14	EA	WOOD POLE
28	EA	GUY ASSEMBLY
3	EA	1" RISER WITH WEATHERHEAD
10	EA	2" RISER WITH WEATHERHEAD
1,226	LF	INDUCTIVE LOOP SAWCUT
10,720	LF	LEAD-IN CABLE (***** (14-2)
3	EA	GPS UNIT
4	EA	METAL STRAIN SIGNAL POLE
4	EA	SOIL TEST
40	CY	DRILLED PIER FOUNDATION
23	EA	SIGN FOR SIGNALS
2	EA	TYPE I POST WITH FOUNDATION
36	EA	TYPE II PEDESTAL WITH FOUNDATION
1	EA	SIGNAL CABINET FOUNDATION
1	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070LX W/ QFREE MAXTIME, BASE MOUNTED)
3	EA	CONTROLLERS WITH CABINET (***** (TYPE 2070LX W/ QFREE MAXTIME, POLE MOUNTED)
10	EA	DETECTOR CARD (TYPE 170)
1	EA	CABINET BASE EXTENDER
8	EA	METAL POLE REMOVAL
14	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM (MULTIPLE ZONES)
2	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR PUSHBUTTON POST (BLACK)
36	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SIGNAL PEDESTAL (BLACK)
4	EA	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR STRAIN POLE (BLACK)
28	EA	GENERIC SIGNAL ITEM RECTANGULAR RAPID FLASHING BEACON ASSEMBLY
1	EA	GENERIC SIGNAL ITEM TYPE 2070LX CONTROLLER

***** BEGIN SCHEDULE AA*****

***** (2 ALTERNATES) *****

3,810	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,240	TON	ASPHALT BINDER FOR PLANT MIX
*** OR ***		
1,113	TON	AGGREGATE BASE COURSE
2,850	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,195	TON	ASPHALT BINDER FOR PLANT MIX

*** END SCHEDULE AA***

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (17+47.31 -Y2-)
67	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
115.2	CY	CLASS A CONCRETE (CULVERT)
14,161	LB	REINFORCING STEEL (CULVERT)

WALL ITEMS

310	SF	MSE RETAINING WALL NO **** (1)
1,300	SF	MSE RETAINING WALL NO **** (2)
430	SF	MSE RETAINING WALL NO **** (3)
870	SF	SOLDIER PILE RETAINING WALLS
870	SF	GENERIC RETAINING WALL ITEM NATURAL STONE VENEER