

**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/contract-standards-and-development-unit). 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](mailto:nmhackler@ncdot.gov)

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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](mailto:InterestedPartiesHelp@ncdot.gov).

For additional assistance with general bidding related questions please email [AWPhelp@ncdot.gov](mailto:AWPhelp@ncdot.gov).

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

DocuSigned by:  
*Ronald E. Davenport, Jr.*  
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## 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](mailto:InterestedPartiesHelp@ncdot.gov) if you have any problems registering.



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

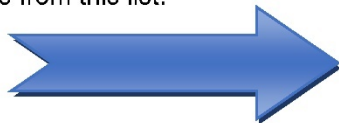
ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

**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](http://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

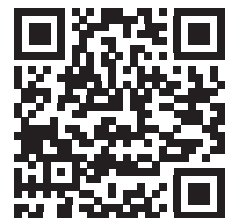
Asheville-Buncombe Technical Community College  
Enka Campus  
1465 Sand Hill Road  
Candler, N.C. 28715

## 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](http://www.ncdot.gov/highwaystechtraining). For questions, please email: [ccu@ncdot.gov](mailto: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 AUGUST 15, 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](mailto: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.nclbhc.org> OR EMAIL [licensing@nclbhc.org](mailto:licensing@nclbhc.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 JULY 18, 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.

<b>DIV NO.</b>	<b>DIVISION ENGINEER</b>	<b>TOWN</b>	<b>TELEPHONE</b>
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	Howard Cox, PE	FAYETTEVILLE	(910) 486-1493
007	Wright Archer, III, PE	GREENSBORO	(336) 487-0000
008	Patrick Norman, 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: L230815

RPN Contract Id	WBS	County	Length	Job Type
001	C204462 15BPR.124.3	WAKE, DURHAM	0.260 MI	BRIDGE PRESERVATION.
002	C204872 48548.3.2	CHATHAM	0.852 MI	GRADING, DRAINAGE, AND PAVING.
003	C204815 45738.3.1	DAVIDSON	0.550 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
004	C204893 50186.3.1	CLEVELAND	0.200 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALL.
005	C204856 44984.3.1	TRANSYLVANIA	0.461 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L230815

001

CONTRACT ID: C204462 15BPR.124.3

DIV OFFICE DURHAM

LENGTH = 0.260 MI

COUNTY : WAKE, DURHAM

BRIDGE PRESERVATION.

DBE GOAL 1.00 % COMPLETION DATE : SEP 01, 2025

BRGS #306 OVER I-40 ON SR-1118, #39 OVER CRABTREE CRK ON SR-2517, AND #83 OVER US-1 & #84 OVER RICHLAND CRK ON NC-98.

		ROADWAY ITEMS					
				73.4	LF	GENERIC STRUCTURE ITEM MODULAR EXPANSION JOINT SEALS FOR PRESERVATION	
Lump Sum	LS	MOBILIZATION					
	15	DAY	GENERIC MISCELLANEOUS ITEM RAILROAD CONTRACTOR PROTECTIVE SERVICES	2,158	LF	GENERIC STRUCTURE ITEM POURABLE SILICONE JOINT SEALANT	
	6,516.6	SY	INCIDENTAL MILLING	503.7	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE FOR PRESERVATION	
	550	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1,260	LB	GENERIC STRUCTURE ITEM SLOPE PROTECTION VOID FILLING	
	45	TON	ASPHALT BINDER FOR PLANT MIX	1,878.5	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION	
	180	TON	RIP RAP, CLASS B	9,795.7	SF	GENERIC STRUCTURE ITEM EPOXY COATING	
	200	SY	GEOTEXTILE FOR DRAINAGE	1,664	SF	GENERIC STRUCTURE ITEM EPOXY COATING CONCRETE GIRDER ENDS	
	808	SF	WORK ZONE SIGNS (STATIONARY)	7,249.7	SF	GENERIC STRUCTURE ITEM SILANE BARRIER RAIL TREATMENT	
	556	SF	WORK ZONE SIGNS (PORTABLE)	7,249.7	SF	GENERIC STRUCTURE ITEM SURFACE PREPARATION FOR CONCRETE BARRIER	
	324	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	210	SY	GENERIC STRUCTURE ITEM DIAMOND GRINDING CONCRETE APPROACH SLAB	
	8	EA	FLASHING ARROW BOARD	16,315.6	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK	
	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	16,315.6	SY	GENERIC STRUCTURE ITEM SILANE DECK TREATMENT	
	390	EA	DRUMS	4	EA	GENERIC STRUCTURE ITEM SAW CUTTING CONCRETE BARRIER RAIL	
	360	LF	BARRICADES (TYPE III)				
	6	EA	TMA				
	10,753	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (I)				
	963	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (I)				
	540	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (I)				
	95	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24") (I)				
	2	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (I)				
	43	EA	PERMANENT RAISED PAVEMENT MARKERS				
Lump Sum	LS	PORTABLE LIGHTING					
	4,400	LF	INDUCTIVE LOOP SAWCUT				
	1,000	LF	LEAD-IN CABLE (***** (14-2)				
STRUCTURE ITEMS							
Lump Sum	LS	POLLUTION CONTROL					
	9.5	CF	CONCRETE REPAIRS				
	18.3	CF	SHOTCRETE REPAIRS				
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND PAINTING EXISTING WEATHERING STEEL FOR BRIDGE #911039					
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND PAINTING EXISTING WEATHERING STEEL FOR BRIDGE #911083					
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #310306					
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #310306					
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #911039					
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #911083					
	60	LF	GENERIC STRUCTURE ITEM 3 BAR METAL RAIL REPAIR				
	212.2	LF	GENERIC STRUCTURE ITEM EXPANSION JOINT SEALS FOR PRESERVATION				
	1,369.9	LF	GENERIC STRUCTURE ITEM FOAM JOINT SEALS FOR PRESERVATION				

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L230815

002

CONTRACT ID : C204872 48548.3.2

DIV OFFICE CARTHAGE

LENGTH = 0.852 MI

COUNTY : CHATHAM

GRADING, DRAINAGE, AND PAVING.

DBE GOAL 7.00 % COMPLETION DATE : FEB 28, 2026

CHATHAM PARKWAY FROM NORTH OF US-64 TO NORTH OF PROPOSED GRANT DRIVE.

ROADWAY ITEMS					
			1	EA	SUBDRAIN PIPE OUTLET
Lump Sum	LS	MOBILIZATION	6	LF	6" OUTLET PIPE
Lump Sum	LS	CONSTRUCTION SURVEYING	10	TON	BLOTTING SAND
9,287	SY	GENERIC MISCELLANEOUS ITEM GEOTEXTILE FOR SUBGRADE STABILIZATION	3.4	CY	ENDWALLS
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	90	EA	MASONRY DRAINAGE STRUCTURES
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING	55.5	LF	MASONRY DRAINAGE STRUCTURES
175,000	CY	UNCLASSIFIED EXCAVATION	6	EA	FRAME WITH TWO GRATES, STD 840.16
6,930	CY	UNDERCUT EXCAVATION	5	EA	FRAME WITH TWO GRATES, STD 840.24
1,500	CY	DRAINAGE DITCH EXCAVATION	6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
1,300	LF	BERM DITCH CONSTRUCTION			(E)
610	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	37	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
10	HR	PROOF ROLLING			(F)
5,550	CY	SELECT GRANULAR MATERIAL	33	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
6,000	SY	GEOTEXTILE FOR SOIL STABILIZATION			(G)
890	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	3	EA	FRAME WITH COVER, STD 840.54
2,562	SY	FOUNDATION CONDITIONING GEOTEXTILE	30	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
180	LF	15" DRAINAGE PIPE	6	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
168	LF	18" DRAINAGE PIPE	7,100	LF	1'-6" CONCRETE CURB & GUTTER
80	LF	24" DRAINAGE PIPE	9,600	LF	2'-6" CONCRETE CURB & GUTTER
88	LF	36" DRAINAGE PIPE	31	EA	CONCRETE CURB RAMPS
10	EA	*** DRAINAGE PIPE ELBOWS (15")	33	SY	4" CONCRETE PAVED DITCH
4	EA	*** DRAINAGE PIPE ELBOWS (18")	580	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
2	EA	*** DRAINAGE PIPE ELBOWS (24")	1,700	LF	STEEL BEAM GUARDRAIL
2	EA	*** DRAINAGE PIPE ELBOWS (36")	175	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
404	LF	*** RC PIPE CULVERTS, CLASS ***** (15", V)	5	EA	ADDITIONAL GUARDRAIL POSTS
464	LF	*** RC PIPE CULVERTS, CLASS ***** (18", V)	2	EA	GUARDRAIL END UNITS, TYPE AT-1
3,016	LF	15" RC PIPE CULVERTS, CLASS IV	4	EA	GUARDRAIL END UNITS, TYPE CAT-1
1,928	LF	18" RC PIPE CULVERTS, CLASS IV	4	EA	GUARDRAIL END UNITS, TYPE TL-3
480	LF	36" RC PIPE CULVERTS, CLASS IV	550	LF	REMOVE EXISTING GUARDRAIL
556	LF	PIPE REMOVAL	370	TON	RIP RAP, CLASS I
Lump Sum	LS	FINE GRADING	30	TON	RIP RAP, CLASS II
32,000	SY	LIME TREATED SOIL (SLURRY METHOD)	250	TON	RIP RAP, CLASS B
390	TON	LIME FOR LIME TREATED SOIL	1,910	SY	GEOTEXTILE FOR DRAINAGE
200	TON	STABILIZER AGGREGATE	210	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
3,800	TON	AGGREGATE BASE COURSE	10	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)
32,000	SY	SOIL CEMENT BASE	390	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
900	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	23	EA	SIGN ERECTION, TYPE E
230	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")	1	EA	SIGN ERECTION, TYPE F
6,900	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	4	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
8,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	96	SF	WORK ZONE SIGNS (STATIONARY)
6,600	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	320	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1,130	TON	ASPHALT BINDER FOR PLANT MIX	100	EA	DRUMS
75	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	440	LF	BARRICADES (TYPE III)
60	EA	CONTROL-OF-ACCESS MARKERS	5,200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
168	CY	SUBDRAIN EXCAVATION	4,300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	450	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
84	CY	SUBDRAIN COARSE AGGREGATE	60	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
500	LF	6" PERFORATED SUBDRAIN PIPE	16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
			50	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			250	EA	PERMANENT RAISED PAVEMENT MARKERS

31	EA	7' U-CHANNEL POSTS
31	EA	OBJECT MARKERS (END OF ROAD)
4,159	LF	6" WATER LINE
333	LF	8" WATER LINE
4,470	LF	12" WATER LINE
7,420	LB	DUCTILE IRON WATER PIPE FITTINGS
17	EA	6" VALVE
4	EA	8" VALVE
6	EA	12" VALVE
4	EA	2" BLOW OFF
9	EA	FIRE HYDRANT
79	LF	FIRE HYDRANT LEG
2,633	LF	12" FORCE MAIN SEWER
1,510	LB	DUCTILE IRON SEWER PIPE FITTINGS
143	LF	12" ENCASEMENT PIPE
296	LF	16" ENCASEMENT PIPE
433	LF	20" ENCASEMENT PIPE
562	LF	24" ENCASEMENT PIPE
2	EA	GENERIC UTILITY ITEM 12" PLUG VALVE
5	EA	GENERIC UTILITY ITEM 2" COMBINATION AIR RELEASE VALVE
1,338	LF	GENERIC UTILITY ITEM 4" PVC CASING
18,000	LF	TEMPORARY SILT FENCE
215	TON	STONE FOR EROSION CONTROL, CLASS A
3,160	TON	STONE FOR EROSION CONTROL, CLASS B
2,000	TON	SEDIMENT CONTROL STONE
52	ACR	TEMPORARY MULCHING
2,800	LB	SEED FOR TEMPORARY SEEDING
16	TON	FERTILIZER FOR TEMPORARY SEEDING
1,000	LF	TEMPORARY SLOPE DRAINS
725	LF	SAFETY FENCE
8,350	CY	SILT EXCAVATION
60,500	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
4,300	LF	1/4" HARDWARE CLOTH
25	LF	TEMPORARY PIPE FOR STREAM CROSSING
2	EA	SPECIAL STILLING BASINS
550	LF	COIR FIBER WATTLE
460	LB	POLYACRYLAMIDE (PAM)
3,000	LF	COIR FIBER BAFFLE
8	EA	*** SKIMMER (1-1/2")
1	EA	*** SKIMMER (2")
50	ACR	SEEDING & MULCHING
25	ACR	MOWING
550	LB	SEED FOR REPAIR SEEDING
2	TON	FERTILIZER FOR REPAIR SEEDING
1,325	LB	SEED FOR SUPPLEMENTAL SEEDING
39.75	TON	FERTILIZER TOPDRESSING
55	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
75	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
90	CY	CULVERT DIVERSION CHANNEL
0.1	ACR	REFORESTATION
		<b>CULVERT ITEMS</b>
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (67+92.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (68+70.00 -L-)
442	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
720.6	CY	CLASS A CONCRETE (CULVERT)
134,741	LB	REINFORCING STEEL (CULVERT)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L230815

003

CONTRACT ID: C204815 45738.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.550 MI

COUNTY : DAVIDSON

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 4.00 % COMPLETION DATE : MAY 14, 2027

BRIDGES #164 AND 168 OVER THE NORFOLK SOUTHERN RAILWAY ON US-29/70 I-85 BUS.

ROADWAY ITEMS					
			1,300	LF	SHOULDER BERM GUTTER
Lump Sum	LS	MOBILIZATION	3,812.5	LF	STEEL BEAM GUARDRAIL
Lump Sum	LS	CONSTRUCTION SURVEYING	1,225	LF	STEEL BEAM GUARDRAIL, DOUBLE FACED
390	DAY	GENERIC MISCELLANEOUS ITEM	5	EA	ADDITIONAL GUARDRAIL POSTS
		RAILROAD CONTRACTOR PROTECTIVE SERVICES	2	EA	GUARDRAIL END UNITS, TYPE CAT-1
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION	3	EA	GUARDRAIL END UNITS, TYPE TL-3
		***** (21+13.32 -L- NBL)	8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION	4,800	LF	REMOVE EXISTING GUARDRAIL
		***** (21+53.61 -L- SBL)	3,210	LF	REMOVE & STOCKPILE EXISTING GUARDRAIL
Lump Sum	LS	GRADING	2	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
600	CY	UNDERCUT EXCAVATION	4	EA	GENERIC GUARDRAIL ITEM
110	CY	DRAINAGE DITCH EXCAVATION			TEMPORARY GUARDRAIL END UNITS, TYPE AT-1
600	CY	SELECT GRANULAR MATERIAL	255	LF	WOVEN WIRE FENCE RESET
1,000	SY	GEOTEXTILE FOR SOIL STABILIZATION	235	TON	RIP RAP, CLASS I
1,840	SF	TEMPORARY SHORING	488	TON	RIP RAP, CLASS B
230	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1,935	SY	GEOTEXTILE FOR DRAINAGE
710	SY	FOUNDATION CONDITIONING GEOTEXTILE	4	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
104	LF	15" SIDE DRAIN PIPE	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
6	EA	*** SIDE DRAIN PIPE ELBOWS (15")	2,407	LB	SUPPORTS, BREAKAWAY STEEL BEAM
696	LF	15" RC PIPE CULVERTS, CLASS IV	2,127	LB	SUPPORTS, SIMPLE STEEL BEAM
616	LF	18" RC PIPE CULVERTS, CLASS IV	226	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
140	LF	24" RC PIPE CULVERTS, CLASS IV	2	EA	SIGN ERECTION, TYPE D
496	LF	30" RC PIPE CULVERTS, CLASS IV	15	EA	SIGN ERECTION, TYPE E
48	LF	42" RC PIPE CULVERTS, CLASS IV	1	EA	SIGN ERECTION, TYPE F
180	LF	PIPE REMOVAL	9	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
1	EA	PIPE CLEAN OUT	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
200	CY	SHALLOW UNDERCUT	4	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
800	TON	CLASS IV SUBGRADE STABILIZATION	19	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
844	TON	AGGREGATE BASE COURSE	4	EA	DISPOSAL OF SIGN, A & B (GROUND MOUNTED)
150	TON	INCIDENTAL STONE BASE	1,107	SF	WORK ZONE SIGNS (STATIONARY)
6,820	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	130	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4,190	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	4	EA	FLASHING ARROW BOARD
3,160	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
3,300	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	779	EA	DRUMS
535	TON	ASPHALT BINDER FOR PLANT MIX	64	LF	BARRICADES (TYPE III)
90	CY	SUBDRAIN EXCAVATION	4	EA	TMA
400	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	5,480	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
67	CY	SUBDRAIN COARSE AGGREGATE	226	EA	TEMPORARY RAISED PAVEMENT MARKERS
400	LF	6" PERFORATED SUBDRAIN PIPE	12,836	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
2	EA	SUBDRAIN PIPE OUTLET	779	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
12	LF	6" OUTLET PIPE	43	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
4	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	5	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
3	CY	ENDWALLS	1,172	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
55	CY	FLOWABLE FILL	22,838	LF	PAINT PAVEMENT MARKING LINES (4")
32	EA	MASONRY DRAINAGE STRUCTURES	6	EA	PERMANENT RAISED PAVEMENT MARKERS
62	LF	MASONRY DRAINAGE STRUCTURES			
15	EA	FRAME WITH TWO GRATES, STD 840.20			
6	EA	FRAME WITH TWO GRATES, STD 840.22			
7	EA	FRAME WITH TWO GRATES, STD 840.24			
1	EA	FRAME WITH TWO GRATES, STD 840.29			
2	EA	FRAME WITH COVER, STD 840.54			

67	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	Lump Sum	LS	EXPANSION JOINT SEALS
3,765	LF	TEMPORARY SILT FENCE			
690	TON	STONE FOR EROSION CONTROL, CLASS A			
7,050	TON	STONE FOR EROSION CONTROL, CLASS B			
2,615	TON	SEDIMENT CONTROL STONE			
21	ACR	TEMPORARY MULCHING			
1,400	LB	SEED FOR TEMPORARY SEEDING			
7	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
840	LF	SAFETY FENCE			
7,990	CY	SILT EXCAVATION			
15,000	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
5,500	SY	PERMANENT SOIL REINFORCEMENT MAT			
880	LF	1/4" HARDWARE CLOTH			
2	EA	SPECIAL STILLING BASINS			
150	LF	WATTLE			
1,110	LB	POLYACRYLAMIDE (PAM)			
55	LF	COIR FIBER BAFFLE			
21	ACR	SEEDING & MULCHING			
12	ACR	MOWING			
250	LB	SEED FOR REPAIR SEEDING			
74	TON	FERTILIZER FOR REPAIR SEEDING			
475	LB	SEED FOR SUPPLEMENTAL SEEDING			
14	TON	FERTILIZER TOPDRESSING			
20	LF	IMPERVIOUS DIKE			
10	MHR	SPECIALIZED HAND MOWING			
7	MHR	MANUAL LITTER REMOVAL			
3	TON	LITTER DISPOSAL			
25	EA	RESPONSE FOR EROSION CONTROL			
4	EA	CONCRETE WASHOUT STRUCTURE			
15	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE			
45	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT			
		<b>STRUCTURE ITEMS</b>			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (21+13.32 -L- NBL)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (21+53.61 -L- SBL)			
Lump Sum	LS	ASBESTOS ASSESSMENT			
182.1	LF	3'-6" DIA DRILLED PIERS IN SOIL			
120	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL			
2	EA	CSL TESTING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (21+13.32 -L- NBL)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (21+53.61 -L- SBL)			
16,718	SF	REINFORCED CONCRETE DECK SLAB			
16,930	SF	GROOVING BRIDGE FLOORS			
522.8	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (21+13.32 -L- NBL)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (21+53.61 -L- SBL)			
85,760	LB	REINFORCING STEEL (BRIDGE)			
11,609	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
648,300	LS	APPROX ..... LBS STRUCTURAL STEEL			
28	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)			
965	LF	HP 12 X 53 STEEL PILES			
926.16	LF	CONCRETE BARRIER RAIL			
1,770	SY	4" SLOPE PROTECTION			
Lump Sum	LS	ELASTOMERIC BEARINGS			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L230815

004

CONTRACT ID: C204893 50186.3.1

DIV OFFICE SHELBY

LENGTH = 0.200 MI

COUNTY : CLEVELAND

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

DBE GOAL 4.00 % COMPLETION DATE : JAN 11, 2026

INTERSECTION OF US 74 BUSINESS (MARION STREET) AT NC 150 (CHERRYVILLE ROAD) AND PEACH STREET.

		ROADWAY ITEMS			
			15	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING	4	EA	FRAME WITH COVER, STD 840.54
Lump Sum	LS	GRADING	600	LF	*** X *** CONCRETE CURB (8" X 12")
	1	ACR SUPPLEMENTARY CLEARING & GRUBBING	5,050	LF	2'-6" CONCRETE CURB & GUTTER
	400	CY UNDERCUT EXCAVATION	10	SY	4" CONCRETE SIDEWALK
	18	CY DRAINAGE DITCH EXCAVATION	10	EA	CONCRETE CURB RAMPS
	400	CY SELECT GRANULAR MATERIAL	1,500	SY	6" CONCRETE DRIVEWAY
	400	SY GEOTEXTILE FOR SOIL STABILIZATION	25	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
	150	TON GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	1,300	SY	GENERIC PAVING ITEM 10' MULTI-USE PATH
	650	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	37.5	LF	STEEL BEAM GUARDRAIL
	2,060	SY FOUNDATION CONDITIONING GEOTEXTILE	2	EA	ADDITIONAL GUARDRAIL POSTS
	368	LF 15" DRAINAGE PIPE	2	EA	GUARDRAIL END UNITS, TYPE AT-1
	24	LF 18" DRAINAGE PIPE	110	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
	40	LF 24" DRAINAGE PIPE	4	TON	RIP RAP, CLASS I
	176	LF 30" DRAINAGE PIPE	4	TON	RIP RAP, CLASS B
	36	LF *** RC PIPE CULVERTS, CLASS ***** (15", V)	701	SY	GEOTEXTILE FOR DRAINAGE
	1,060	LF 15" RC PIPE CULVERTS, CLASS IV	100	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
	504	LF 18" RC PIPE CULVERTS, CLASS IV	130	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)
	664	LF 24" RC PIPE CULVERTS, CLASS IV	560	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
	140	LF 30" RC PIPE CULVERTS, CLASS IV	17	EA	SIGN ERECTION, TYPE E
	945	LF PIPE REMOVAL	7	EA	SIGN ERECTION, TYPE F
	300	SY GENERIC GRADING ITEM GEOTEXTILE FOR SUBGRADE STABILIZATION	7	EA	SIGN ERECTION, RELOCATE TYPE ***** (GROUND MOUNTED) (E)
	100	CY SHALLOW UNDERCUT	11	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
	200	TON CLASS IV SUBGRADE STABILIZATION	7	EA	STOCKPILE SIGN, D, E OR F
	630	TON INCIDENTAL STONE BASE	7	EA	DISPOSAL OF SIGN, D, E OR F
	1,000	SY MILLING ASPHALT PAVEMENT, ***** (0" TO 1-1/2")	120	SF	WORK ZONE SIGNS (STATIONARY)
	1,000	SY INCIDENTAL MILLING	150	SF	WORK ZONE SIGNS (PORTABLE)
	1,810	TON ASPHALT CONC BASE COURSE, TYPE B25.0C	100	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
	1,900	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	200	EA	DRUMS
	2,360	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5C	50	EA	CONES
	315	TON ASPHALT BINDER FOR PLANT MIX	120	LF	BARRICADES (TYPE III)
	180	TON ASPHALT PLANT MIX, PAVEMENT REPAIR	40	LF	PEDESTRIAN CHANNELIZING DEVICES
	89.6	CY SUBDRAIN EXCAVATION	960	DAY	FLAGGER
	400	SY GEOTEXTILE FOR SUBSURFACE DRAINS	16	HR	LAW ENFORCEMENT
	67.2	CY SUBDRAIN COARSE AGGREGATE	100	EA	SKINNY DRUM
	400	LF 6" PERFORATED SUBDRAIN PIPE	9,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
	1	EA SUBDRAIN PIPE OUTLET	700	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
	6	LF 6" OUTLET PIPE	536	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
	0.065	CY PIPE PLUGS	32	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
	17	CY FLOWABLE FILL	8,900	LF	PAINT PAVEMENT MARKING LINES (4")
	51	EA MASONRY DRAINAGE STRUCTURES	700	LF	PAINT PAVEMENT MARKING LINES (8")
	17.8	LF MASONRY DRAINAGE STRUCTURES	130	LF	PAINT PAVEMENT MARKING LINES (24")
	12	EA FRAME WITH TWO GRATES, STD 840.16	32	EA	PAINT PAVEMENT MARKING SYMBOL
	2	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	130	EA	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER
	17	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	2	CY	CLASS B CONCRETE FOR ENCASING UTILITY LINES
			650	LF	6" WATER LINE
			484	LF	8" WATER LINE

2,232	LF	12" WATER LINE	2	EA	SITE SURVEY
12,500	LB	DUCTILE IRON WATER PIPE FITTINGS	4	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT
11	EA	6" VALVE	4	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT
6	EA	8" VALVE	1	EA	METAL STRAIN SIGNAL POLE
15	EA	12" VALVE	1	EA	SOIL TEST
9	EA	RELOCATE WATER METER	6	CY	DRILLED PIER FOUNDATION
4	EA	RECONNECT WATER METER	10	EA	SIGN FOR SIGNALS
3	EA	FIRE HYDRANT	2	EA	TYPE II PEDESTAL WITH FOUNDATION
2	EA	RELOCATE FIRE HYDRANT	1	EA	SIGNAL CABINET FOUNDATION
80	LF	FIRE HYDRANT LEG	1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
85	LF	*** WATER SERVICE LINE (2")	11	EA	DETECTOR CARD (TYPE 2070L)
500	LF	WATER SERVICE LINE	1	EA	CABINET BASE EXTENDER
250	LF	8" SANITARY GRAVITY SEWER	3	EA	GENERIC SIGNAL ITEM EMERGENCY VEHICLE PREEMPTION, CLAMP
4	EA	4' DIA UTILITY MANHOLE	1	EA	GENERIC SIGNAL ITEM EMERGENCY VEHICLE PREEMPTION, EMITTER AND SWITCH
3.2	LF	UTILITY MANHOLE WALL 4' DIA	3	EA	GENERIC SIGNAL ITEM EMERGENCY VEHICLE PREEMPTION, OPTICAL PHASE DETECTOR
3	EA	REMOVE WATER METER	3	EA	GENERIC SIGNAL ITEM EMERGENCY VEHICLE PREEMPTION, PHASE SELECTOR
2	EA	ABANDON UTILITY MANHOLE	900	LF	GENERIC SIGNAL ITEM EMERGENCY VEHICLE PREEMPTION, DETECTOR CABLE
40	LF	GENERIC UTILITY ITEM POLYETHYLENE ENCASEMENT (POLY-WRAP)			<b>WALL ITEMS</b>
2,030	LF	TEMPORARY SILT FENCE	280	SF	SEGMENTAL GRAVITY RETAINING WALLS
600	TON	STONE FOR EROSION CONTROL, CLASS A			
550	TON	STONE FOR EROSION CONTROL, CLASS B			
750	TON	SEDIMENT CONTROL STONE			
4.8	ACR	TEMPORARY MULCHING			
300	LB	SEED FOR TEMPORARY SEEDING			
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING			
200	LF	TEMPORARY SLOPE DRAINS			
360	LF	SAFETY FENCE			
1,250	CY	SILT EXCAVATION			
8,800	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
1,485	LF	1/4" HARDWARE CLOTH			
80	LB	POLYACRYLAMIDE (PAM)			
4.8	ACR	SEEDING & MULCHING			
2.4	ACR	MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
100	LB	SEED FOR SUPPLEMENTAL SEEDING			
2.75	TON	FERTILIZER TOPDRESSING			
10	MHR	SPECIALIZED HAND MOWING			
2	MHR	MANUAL LITTER REMOVAL			
1	TON	LITTER DISPOSAL			
18	EA	RESPONSE FOR EROSION CONTROL			
6	EA	CONCRETE WASHOUT STRUCTURE			
5	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE			
15	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT			
2	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
3,900	LF	SIGNAL CABLE			
13	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
5	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
500	LF	MESSENGER CABLE (3/8")			
60	LF	PAVED TRENCHING (*****) (1, 2")			
220	LF	UNPAVED TRENCHING (*****) (1, 2")			
5	EA	JUNCTION BOX (STANDARD SIZE)			
2	EA	WOOD POLE			
6	EA	GUY ASSEMBLY			
1	EA	1" RISER WITH WEATHERHEAD			
3	EA	2" RISER WITH WEATHERHEAD			
1,680	LF	INDUCTIVE LOOP SAWCUT			
3,300	LF	LEAD-IN CABLE (*****) (14-2)			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L230815

005

CONTRACT ID : C204856 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					
			0.3	CY	PIPE PLUGS
Lump Sum	LS	MOBILIZATION	10	CY	FLOWABLE FILL
Lump Sum	LS	CONSTRUCTION SURVEYING	101	EA	MASONRY DRAINAGE STRUCTURES
1,450	CY	UNDERCUT EXCAVATION	59	CY	MASONRY DRAINAGE STRUCTURES
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	23	LF	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	GRADING	23	EA	FRAME WITH TWO GRATES, STD 840.16
23,750	CY	BORROW EXCAVATION	1	EA	FRAME WITH TWO GRATES, STD 840.24
3	EA	EMBANKMENT SETTLEMENT GAUGES	1	EA	FRAME WITH TWO GRATES, STD 840.29
1,000	CY	SELECT GRANULAR MATERIAL	21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
2,000	SY	GEOTEXTILE FOR SOIL STABILIZATION			(E)
2,300	SF	TEMPORARY SHORING	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
30	SY	ROCK PLATING			(F)
930	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
2,910	SY	FOUNDATION CONDITIONING GEOTEXTILE			(G)
50	LF	*** SIDE DRAIN PIPE (12")	7	EA	FRAME WITH COVER, STD 840.54
80	LF	15" SIDE DRAIN PIPE	8	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
44	LF	24" SIDE DRAIN PIPE	1,130	LF	*** X *** CONCRETE CURB (8" X 18")
1,124	LF	*** RC PIPE CULVERTS, CLASS ***** (15", V)	470	LF	*** X *** CONCRETE CURB (9" X 18")
360	LF	*** RC PIPE CULVERTS, CLASS ***** (18", V)	2,890	LF	1'-6" CONCRETE CURB & GUTTER
124	LF	*** RC PIPE CULVERTS, CLASS ***** (24", V)	11,650	LF	2'-6" CONCRETE CURB & GUTTER
44	LF	*** RC PIPE CULVERTS, CLASS ***** (30", V)	5,510	SY	4" CONCRETE SIDEWALK
552	LF	15" RC PIPE CULVERTS, CLASS III	84	EA	CONCRETE CURB RAMPS
516	LF	18" RC PIPE CULVERTS, CLASS III	320	SY	6" CONCRETE DRIVEWAY
368	LF	24" RC PIPE CULVERTS, CLASS III	1,040	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
144	LF	36" RC PIPE CULVERTS, CLASS III	1,270	SY	GENERIC PAVING ITEM
128	LF	54" RC PIPE CULVERTS, CLASS III			7" JOINTED CONCRETE TRUCK APRON WITH WIRE MESH
77	LF	72" RC PIPE CULVERTS, CLASS III	1	EA	ADJUSTMENT OF DROP INLETS
2,904	LF	15" RC PIPE CULVERTS, CLASS IV	4	EA	ADJUSTMENT OF MANHOLES
116	LF	18" RC PIPE CULVERTS, CLASS IV	2	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
436	LF	24" RC PIPE CULVERTS, CLASS IV	2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
664	LF	30" RC PIPE CULVERTS, CLASS IV	1	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN
140	LF	18" CS PIPE CULVERTS, 0.064" THICK	2,250	LF	STEEL BEAM GUARDRAIL
4	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	25	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
3,106	LF	PIPE REMOVAL	10	EA	ADDITIONAL GUARDRAIL POSTS
500	CY	SHALLOW UNDERCUT	1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III, SHOP CURVED)
1,000	TON	CLASS IV SUBGRADE STABILIZATION	8	EA	GUARDRAIL END UNITS, TYPE CAT-1
250	TON	INCIDENTAL STONE BASE	8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
662	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	2	EA	GUARDRAIL END UNITS, TYPE TL-3
1,690	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	17	EA	GUARDRAIL END UNITS, TYPE TL-2
200	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/4")	930	LF	GENERIC FENCING ITEM HANDRAIL
1,500	SY	INCIDENTAL MILLING	189	TON	RIP RAP, CLASS I
10,450	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C	112	TON	RIP RAP, CLASS B
8,680	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	1,254	SY	GEOTEXTILE FOR DRAINAGE
2,510	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
1,000	LF	6" PERFORATED SUBDRAIN PIPE	204	LB	SUPPORTS, BREAKAWAY STEEL BEAM
2	CY	ENDWALLS	1,410	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
8	CY	REINFORCED ENDWALLS	11	EA	SIGN ERECTION, TYPE D
2.98	CY	PIPE COLLARS	109	EA	SIGN ERECTION, TYPE E
			13	EA	SIGN ERECTION, TYPE F
			1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)



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)	6,500	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	3	EA	CERCIS CANADENSIS, REDBUD, (5' MIN.)
3	EA	RELOCATE FIRE HYDRANT	2	EA	GENERIC PLANTING ITEM ACER RUBRUM "BOWHALL" RED MAPLE (10'-12')
			4	EA	GENERIC PLANTING ITEM AMELANCHIER CANADENSIS SHADBLOW SERVICEBERRY (6')

34	EA	GENERIC PLANTING ITEM ARONIA MELANOCARPA "UCONNAM165" MOUND CHOKEBERRY (2 GAL)	3	EA	GENERIC PLANTING ITEM PICEA GLAUCA "PENDULA" WEEPING WHITE SPRUCE (8' MIN)
21	EA	GENERIC PLANTING ITEM BAPTISIA HYBRID FALSE INDIGO (1 GAL)	37	EA	GENERIC PLANTING ITEM PINUS MUGO "SLOWMOUND" SLOWMOUND MUGO PINE (3 GAL)
18	EA	GENERIC PLANTING ITEM CALAMAGROSTIS X ACUTIFLORA "KARL FOERSTER" FOERSTER'S FEATHER REED GRASS (3 GAL)	27	EA	GENERIC PLANTING ITEM PRUNUS LAUROCERASUS "MOUNT VERNON" MOUNT VERNON ENGLISH LAUREL (3 GAL)
66	EA	GENERIC PLANTING ITEM CAREX AMPHIBOLA CREEK SEDGE (3.25")	9	EA	GENERIC PLANTING ITEM QUERCUS X WAREI "NADLER" KINDRED SPIRIT OAK (10-12")
36	EA	GENERIC PLANTING ITEM CAREX FLACCA "BLUE ZINGER" BLUE ZINGER SEDGE (3.25")	13	EA	GENERIC PLANTING ITEM RHODODENDRON "CHIONOIDES" CHIONOIDES RHODODENDRON (3 GAL)
4	EA	GENERIC PLANTING ITEM CARPINUS CAROLINIANA "JFS-KW6" NATIVE FLAME AMERICAN HORNBEAM (5' MIN)	14	EA	GENERIC PLANTING ITEM RHODODENDRON "ROBLES" PP22762 AUTUMN LILAC ENCORE AZALEA (3 GAL)
3	EA	GENERIC PLANTING ITEM CHIONANTHUS VIRGINICUS WHITE FRINGE TREE (5' MIN)	5	EA	GENERIC PLANTING ITEM RHODODENDRON "ROSEUM ELEGANS" ROSEUM ELEGANS RHODODENDRON (5-7 GAL)
24	EA	GENERIC PLANTING ITEM CONCRETE TUBE FOR POST HOLES (8" DIAMETER X 48" DEPTH)	97	EA	GENERIC PLANTING ITEM ROSA X "NOATRAUM" FLOWER CARPET @ PINK GROUND COVER ROSE (3 GAL)
6	EA	GENERIC PLANTING ITEM CORNUS KOUSA KOUSA DOGWOOD/JAPANESE DOGWOOD (5' MIN)	20	EA	GENERIC PLANTING ITEM SALVIA NEMOROSA "CARADONNA" CARADONNA MEADOW SAGE (1 GAL)
3	EA	GENERIC PLANTING ITEM CORNUS X "RUTGAN" STELLER PINK @ DOGWOOD (5' MIN)	6	EA	GENERIC PLANTING ITEM SMALL BOULDERS
3	EA	GENERIC PLANTING ITEM CRATAEGUS VIRIDIS "WINTER KING" WINTER KING HAWTHORN (2-2.5" CAL)	85	EA	GENERIC PLANTING ITEM SPIRAEA JAPONICA "YAN" USPP 21615 DOUBLE PLAY @ GOLD SPIREA (3 GAL)
76	EA	GENERIC PLANTING ITEM DESCHAMPSIA CAESPITOSA "GOLDDAU" GOLDEN DEW TUFTED HAIR GRASS (1 GAL)	242	EA	GENERIC PLANTING ITEM SPOROBOLUS HETEROLEPIS "TARA" PRAIRIE DROPSSEED (1 GAL)
44	EA	GENERIC PLANTING ITEM DEUTZIA GRACILIS "MINCREAM" CREME FRAICHE @ DEUTZIA (3 GAL)	85	EA	GENERIC PLANTING ITEM SPOROBOLUS HETEROLEPIS PRAIRIE DROPSSEED (1 GAL)
19	EA	GENERIC PLANTING ITEM FOTHERGILLA GARDENII "BLUE SHADOW" BLUE SHADOW FOTHERGILLA (3 GAL)	16	EA	GENERIC PLANTING ITEM TAXUS X MEDIA "EVERLOW" EVERLOW SPREADING YEW (3 GAL)
60	EA	GENERIC PLANTING ITEM HELIANTHUS ANNUUS "LOW DOWN" SUNFLOWER (1 GAL)	7	EA	GENERIC PLANTING ITEM THUJA OCCIDENTALIS "TECHNY" TECHNY ARBORVITAE (6' MIN)
45	EA	GENERIC PLANTING ITEM HEMEROCALLIS X "HAPPY RETURNS" HAPPY RETURNS DWARF DAYLILY (1 GAL)	12	EA	GENERIC PLANTING ITEM TIMBER FENCE SECTION INCLUDING FASTENERS AND STAIN
71	EA	GENERIC PLANTING ITEM HYDRANGEA ARBORESCENS "NCHA5" INVINCIBELLE WEE WHITE (2 GAL)	6	EA	GENERIC PLANTING ITEM VIBURNUM X PRAGENSE PRAGUE VIBURNUM (3'X3' MIN)
10	EA	GENERIC PLANTING ITEM HYDRANGEA PANICULATA "LIMELIGHT" LIMELIGHT HARDY HYDRANGEA (5 GAL)	38,352	SF	GENERIC PLANTING ITEM SODDING
100	EA	GENERIC PLANTING ITEM HYDRANGEA SERRATA "MAKD" TINY TUFF STUFF™ MOUNTAIN HYDRANGEA (2 GAL)	4.5	TON	GENERIC PLANTING ITEM FLAGSTONE
4	EA	GENERIC PLANTING ITEM ILEX VERTICILLATA "JIM DANDY" JIM DANDY WINTERBERRY (7 GAL)	140	CY	GENERIC PLANTING ITEM MULCH
18	EA	GENERIC PLANTING ITEM ILEX VERTICILLATA "RED SPRITE" RED SPRITE WINTERBERRY (3 GAL)	14	CY	GENERIC PLANTING ITEM RIVER ROCK
106	EA	GENERIC PLANTING ITEM ITEA VIRGINICA "SPRICH" LITTLE HENRY @ SWEETSPIRE (3 GAL)	2.8	CY	GENERIC PLANTING ITEM SAND FOR SETTING BED
23	EA	GENERIC PLANTING ITEM JUNIPERUS SQUAMATA "BLUE STAR" BLUE STAR JUNIPER (3 GAL)	95	CY	GENERIC PLANTING ITEM SOIL AMENDMENT
38	EA	GENERIC PLANTING ITEM LANDSCAPE LIGHTS	690	LF	GENERIC PLANTING ITEM CONDUIT 1-1/2" PVC
2	EA	GENERIC PLANTING ITEM LOW VOLTAGE TRANSFORMER	200	LF	GENERIC PLANTING ITEM CONDUIT 1" PVC
5	EA	GENERIC PLANTING ITEM MEDIUM BOULDERS	950	LF	GENERIC PLANTING ITEM LANDSCAPE EDGING
29	EA	GENERIC PLANTING ITEM MONARDA DIDYMA "PARDON MY PURPLE" PARDON MY PURPLE BEE BALM (1 GAL)	10	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
74	EA	GENERIC PLANTING ITEM NEPETA X FAASSENII "WALKER'S LOW" WALKER'S LOW CATMINT (1 GAL)	15,910	LF	SIGNAL CABLE
3	EA	GENERIC PLANTING ITEM NYSSA SYLVATICA TUPELO, BLACK GUM (2.5-3" CAL)	42	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
18	EA	GENERIC PLANTING ITEM PHLOX HYBRIDA "PHL091601" PAPARAZZI LEVINE CREEPING PHLOX (1 GAL)	11	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
24	EA	GENERIC PLANTING ITEM PHLOX HYBRIDA "PPP07301" PAPARAZZI ANGELINA CREEPING PHLOX (1 GAL)	2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
2	EA	GENERIC PLANTING ITEM PHOTOCELL	12	EA	APS DETECTOR STATION
6	EA	GENERIC PLANTING ITEM PICEA ABIES "CUPRESSINA" COLUMNAR NORWAY SPRUCE (10'-12')	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")	870	SF	GENERIC RETAINING WALL ITEM NATURAL STONE VENEER
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			
10	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)			
26	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 ***
1,087	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