



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 20, 2018

NOTICE TO: All Prequalified Contractors

FROM: Ronald E Davenport, PE
State Contract Officer

DocuSigned by:
Ronald E. Davenport, Jr.
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SUBJECT: Combined Contract Goal for MBE/WBE Participation on State-Funded Projects

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

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

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

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

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

Website: www.ncdot.gov

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



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

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SECRETARY

December 7, 2017

To Whom It May Concern:

In an effort to maximize transparency and competition on Department projects, starting January 1, 2018, NCDOT will make all requests for plans or proposals for purposes of bidding public. NCDOT will no longer give the option of the name being withheld from the Planholder's list. This change is reflected in the Section 102-3 of the 2018 Standard Specifications for Roads and Structures that will be effective January 1, 2018.

Sincerely,

A handwritten signature in black ink, appearing to read "R. E. Davenport".

Ronald E. Davenport, PE
State Contract Officer

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

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

November 15, 2017

NOTICE TO: All Prequalified Contractors

FROM: Carl Barclay, PE 
State Utilities Manager

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

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

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

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

Article 1550-3(B) requires:

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

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

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

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

WEBSITE: WWW.NCDOT.GOV

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

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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON OCTOBER 16, 2018. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

1. THE BIDDER SHALL PURCHASE A PROPOSAL FOR EACH PROJECT FOR WHICH HE INTENDS TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID.

2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.

3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. CERTIFICATION FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE
<https://connect.ncdot.gov/letting/Pages/Central-Letting-Forms.aspx>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE ADDRESSED TO THE STATE CONTRACT OFFICER AT 919-707-6900.

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

CONTRACTOR'S LICENSE: A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. ON FEDERAL PROJECTS, THE APPROPRIATE CONTRACTORS LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

PREQUALIFYING TO BID: ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE CONTRACTUAL SERVICES MANAGEMENT SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES MANAGEMENT SECTION AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY ENSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-707-6925), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C., 27610. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 6.75% 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 SEPTEMBER 18, 2018.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 08 Nov 2017)

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

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

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

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

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	R. Preston Hunter, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Collette, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Ronald L Keeter, Jr., PE	PO BOX 3165	WILSON	(252) 237-6164
00005	Joseph R Hopkins, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Gregory W Burns, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 487-0000
00008	Brandon H Jones, PE	902 N. SANDHILLS BLVD.	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	J. Scott Cole, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Mark E Stafford, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Brian C Burch, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L181016

RPN	Contract Id	WBS	County	Length	JobType
002	C204224	2019CPT.01.02.10081.1 ETC.	BERTIE, CHOWAN, MARTIN, WASHINGTON	36.630 MI	MILLING, RESURFACING, SIGNALS, AND SHOULDER RECONSTRUCTION.
003	C202280	40238.3.5	NEW HANOVER	1.670 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALL.
004	C204261	2020CPT.05.05.20392.1 ETC.	GRANVILLE, WAKE	27.304 MI	MICROSURFACING.
005	C204257	2020CPT.05.06.20732.1	PERSON	12.960 MI	ASPHALT SURFACE TREATMENT.
006	C204258	2020CPT.05.07.20352.1 ETC.	FRANKLIN, VANCE, WARREN	45.800 MI	ASPHALT SURFACE TREATMENT.
007	C204256	2020CPT.05.09.10321.1 ETC.	DURHAM, WAKE	15.890 MI	MILLING, RESURFACING, AND SHOULDER GRADING.
008	C204253	45881.3.1	ROBESON	15.100 MI	PAVEMENT REHABILITATION.
009	C204148	53055.3.1	ROBESON, CUMBERLAND	17.800 MI	PAVEMENT REHABILITATION.
010	C204174	53056.3.2	GUILFORD	6.795 MI	PAVEMENT AND BRIDGE REHABILITATION.
011	C204215	15BPR.18	DAVIE	0.170 MI	BRIDGE PRESERVATION.
012	C204109	38518.3.1	FORSYTH	0.209 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
013	C204216	45832.3.1	MACON	0.491 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALLS.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 002

CONTRACT ID : C204224 2019CPT.01.02.10081.1 DIV OFFICE EDENTON

LENGTH = 36.630 MI

COUNTY : BERTIE, CHOWAN, MARTIN, WASHINGTON

MILLING, RESURFACING, SIGNALS, AND SHOULDER RECONSTRUCTION.

DBE GOAL 8.0% COMPLETION DATE : AUG 01 2020

1 SECTION OF US-13/US-17, 4 SECTIONS OF NC-32, 1 SECTION OF US-64 ALT, 1 SECTION OF US-64, AND 1 SECTION OF NC-45/NC-99.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,300	CY	BORROW EXCAVATION
250	TON	INCIDENTAL STONE BASE
18.68	SMI	SHOULDER RECONSTRUCTION
652,900	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
47,625	SY	INCIDENTAL MILLING
5,600	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
66,160	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,775	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
4,330	TON	ASPHALT BINDER FOR PLANT MIX
206	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
4,085	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED
80,700	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
7,370	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
319,712	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
198,756	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
146,152	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
20,760	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
37	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1,400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
34	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
106	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
510,243	LF	PAINT PAVEMENT MARKING LINES (4")
164,420	LF	PAINT PAVEMENT MARKING LINES (6")
1,400	LF	PAINT PAVEMENT MARKING LINES (12")
100	LF	PAINT PAVEMENT MARKING LINES (16")
300	LF	PAINT PAVEMENT MARKING LINES (24")
34	EA	PAINT PAVEMENT MARKING CHARAC- TER
106	EA	PAINT PAVEMENT MARKING SYMBOL
4,175	LF	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)
4,175	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
14	EA	PERMANENT RAISED PAVEMENT MARKERS
2,963	EA	SNOWPLOWABLE PAVEMENT MARKERS
3,500	LF	TEMPORARY SILT FENCE
1,350	LF	COIR FIBER WATTLE
11.82	ACR	SEEDING & MULCHING
23	EA	RESPONSE FOR EROSION CONTROL
750	LF	INDUCTIVE LOOP SAWCUT
200	LF	LEAD-IN CABLE (***** (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 003

CONTRACT ID : C202280 40238.3.5

DIV OFFICE CASTLE HAYNE

LENGTH = 1.670 MI

COUNTY : NEW HANOVER

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

DBE GOAL 11.0% COMPLETION DATE : APR 27 2022

US-17 BUS (MARKET ST) FROM SR-1403 TO SR-2734 IN WILMINGTON.

ROADWAY ITEMS					
			30	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
Lump Sum	LS	MOBILIZATION	28.6	CY	REINFORCED ENDWALLS
Lump Sum	LS	CONSTRUCTION SURVEYING	0.656	CY	PIPE COLLARS
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)	30	CY	FLOWABLE FILL
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	209	EA	MASONRY DRAINAGE STRUCTURES
2	EA	SEALING ABANDONED WELLS	13.7	CY	MASONRY DRAINAGE STRUCTURES
9,000	CY	UNCLASSIFIED EXCAVATION	89.9	LF	MASONRY DRAINAGE STRUCTURES
400	CY	UNDERCUT EXCAVATION	28	EA	FRAME WITH TWO GRATES, STD 840.16
22,000	CY	BORROW EXCAVATION	32	EA	FRAME WITH TWO GRATES, STD 840.29
380	CY	DRAINAGE DITCH EXCAVATION	24	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
11,500	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	62	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
600	CY	SELECT GRANULAR MATERIAL	62	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
8,600	SY	GEOTEXTILE FOR SOIL STABILIZATION	2	EA	FRAME WITH COVER, STD 840.54
3,700	SF	TEMPORARY SHORING	28	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
1,600	SY	ROCK PLATING	570	LF	***X*** CONCRETE CURB (8' X 18")
80	SY	REINFORCED SOIL SLOPES	140	LF	***X*** CONCRETE CURB (9' X 18")
3,650	SY	GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	170	LF	**L*** CONCRETE CURB & GUTTER (2'-0")
100	TON	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOILS	6,110	LF	1'-6" CONCRETE CURB & GUTTER
3,000	TON	GENERIC GRADING ITEM LIGHTWEIGHT AGGREGATE	18,730	LF	2'-6" CONCRETE CURB & GUTTER
1,850	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	4,140	SY	4" CONCRETE SIDEWALK
5,800	SY	FOUNDATION CONDITIONING GEOTEXTILE	92	EA	CONCRETE CURB RAMPS
16	LF	*** SIDE DRAIN PIPE (30")	200	SY	6" CONCRETE DRIVEWAY
36	LF	***** RC PIPE CULVERTS, CLASS IV (48")	3,000	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
144	LF	***** RC PIPE CULVERTS, CLASS IV (54")	240	SY	GENERIC PAVING ITEM PROP VAR DEPTH CONCRETE PAD, 10" MIN
340	LF	***** RC PIPE CULVERTS, CLASS IV (96")	1,000	LF	STEEL BEAM GUARDRAIL
8,432	LF	15" RC PIPE CULVERTS, CLASS IV	5	EA	ADDITIONAL GUARDRAIL POSTS
1,412	LF	18" RC PIPE CULVERTS, CLASS IV	2	EA	GUARDRAIL END UNITS, TYPE CAT-1
2,912	LF	24" RC PIPE CULVERTS, CLASS IV	2	EA	GUARDRAIL END UNITS, TYPE TL-3
1,800	LF	30" RC PIPE CULVERTS, CLASS IV	910	LF	GENERIC FENCING ITEM STEEL PIPE HANDRAIL
824	LF	36" RC PIPE CULVERTS, CLASS IV	190	TON	RIP RAP, CLASS I
1,476	LF	42" RC PIPE CULVERTS, CLASS IV	5	TON	RIP RAP, CLASS B
5,578	LF	PIPE REMOVAL	2,120	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	FINE GRADING	1,748	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
100	CY	SHALLOW UNDERCUT	108	EA	SIGN ERECTION, TYPE E
190	TON	CLASS IV SUBGRADE STABILIZATION	6	EA	SIGN ERECTION, TYPE F
5,900	TON	AGGREGATE BASE COURSE	2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
5,000	TON	INCIDENTAL STONE BASE	27	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
1,800	GAL	PRIME COAT	4	EA	DISPOSAL OF SUPPORT, U-CHANNEL
4,000	SY	INCIDENTAL MILLING	6	EA	GENERIC SIGNING ITEM VERTICAL PANEL TYPE-3 OBJECT MARKER 0M3-C
23,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	551	SF	WORK ZONE SIGNS (STATIONARY)
13,900	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	464	SF	WORK ZONE SIGNS (PORTABLE)
700	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	410	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
12,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	4	EA	FLASHING ARROW BOARD
2,480	TON	ASPHALT BINDER FOR PLANT MIX	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
3,000	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	418	EA	DRUMS
45	CY	SUBDRAIN EXCAVATION	100	EA	CONES
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	144	LF	BARRICADES (TYPE III)
34	CY	SUBDRAIN COARSE AGGREGATE	15	LF	PEDESTRIAN CHANNELIZING DEVICES
200	LF	6" PERFORATED SUBDRAIN PIPE	360	DAY	FLAGGER
1	EA	SUBDRAIN PIPE OUTLET	5	EA	TEMPORARY CRASH CUSHIONS
6	LF	6" OUTLET PIPE			

			104	LF	BORE AND JACK OF *** (20")
			128	LF	BORE AND JACK OF *** (24")
			229	LF	BORE AND JACK OF *** (4")
4	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	23,800	LF	TEMPORARY SILT FENCE
4	EA	TMA	525	TON	STONE FOR EROSION CONTROL, CLASS A
1,389	LF	PORTABLE CONCRETE BARRIER	625	TON	STONE FOR EROSION CONTROL, CLASS B
394	LF	REMOVE & RESET PORTABLE CONC- RETE BARRIER	2,350	TON	SEDIMENT CONTROL STONE
200	LF	WATER FILLED BARRIER	13.5	ACR	TEMPORARY MULCHING
160	HR	LAW ENFORCEMENT	800	LB	SEED FOR TEMPORARY SEEDING
367	EA	SKINNY DRUM	4	TON	FERTILIZER FOR TEMPORARY SEED- ING
1	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	300	LF	TEMPORARY SLOPE DRAINS
2	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY CURB RAMPS	800	LF	SAFETY FENCE
1,317	EA	TEMPORARY RAISED PAVEMENT MARKERS	1,070	CY	SILT EXCAVATION
14,474	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	6,580	SY	MATTING FOR EROSION CONTROL
9,794	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	200	SY	COIR FIBER MAT
3,998	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	9,200	LF	1/4" HARDWARE CLOTH
287	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	205	LF	*** TEMPORARY PIPE (48")
1,064	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	6	EA	SPECIAL STILLING BASINS
1,779	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	900	LF	COIR FIBER WATTLE
115	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	25	LB	POLYACRYLAMIDE (PAM)
75,863	LF	PAINT PAVEMENT MARKING LINES (4")	13.5	ACR	SEEDING & MULCHING
4,481	LF	PAINT PAVEMENT MARKING LINES (8")	6.5	ACR	MOWING
1,351	LF	PAINT PAVEMENT MARKING LINES (12")	150	LB	SEED FOR REPAIR SEEDING
2,114	LF	PAINT PAVEMENT MARKING LINES (24")	0.25	TON	FERTILIZER FOR REPAIR SEEDING
191	EA	PAINT PAVEMENT MARKING SYMBOL	300	LB	SEED FOR SUPPLEMENTAL SEEDING
2,865	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	9	TON	FERTILIZER TOPDRESSING
540	EA	SNOWPLOWABLE PAVEMENT MARKERS	170	LF	IMPERVIOUS DIKE
Lump Sum	LS	PORTABLE LIGHTING	25	MHR	SPECIALIZED HAND MOWING
847	LF	8" WATER LINE	50	EA	RESPONSE FOR EROSION CONTROL
163	LF	10" WATER LINE	8	EA	CONCRETE WASHOUT STRUCTURE
1,736	LF	16" WATER LINE	0.25	ACR	REFORESTATION
17,500	LB	DUCTILE IRON WATER PIPE FITTINGS	12	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
3	EA	6" VALVE	10,630	LF	SIGNAL CABLE
11	EA	8" VALVE	1	EA	VEHICLE SIGNAL HEAD (8", 1 SECTION)
1	EA	10" VALVE	55	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1	EA	12" VALVE	13	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
11	EA	16" VALVE	4	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
10	EA	RELOCATE WATER METER	1,400	LF	MESSENGER CABLE (1/4")
7	EA	RECONNECT WATER METER	1,140	LF	MESSENGER CABLE (3/8")
1	EA	FIRE HYDRANT	8,000	LF	TRACER WIRE
7	EA	RELOCATE FIRE HYDRANT	530	LF	UNPAVED TRENCHING (***** (1, 2"))
50	LF	FIRE HYDRANT LEG	6,190	LF	UNPAVED TRENCHING (***** (2, 2"))
100	LF	WATER SERVICE LINE	70	LF	UNPAVED TRENCHING (***** (4, 2"))
402	LF	6" FORCE MAIN SEWER	740	LF	DIRECTIONAL DRILL (***** (1, 2"))
2,106	LF	8" FORCE MAIN SEWER	6,890	LF	DIRECTIONAL DRILL (***** (2, 2"))
1,490	LF	12" FORCE MAIN SEWER	26	EA	JUNCTION BOX (STANDARD SIZE)
6,350	LB	DUCTILE IRON SEWER PIPE FITTINGS	48	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
31	LF	ABANDON *** UTILITY PIPE (4")	12	EA	WOOD POLE
371	LF	ABANDON 6" UTILITY PIPE	22	EA	GUY ASSEMBLY
3,137	LF	ABANDON 8" UTILITY PIPE	1	EA	1" RISER WITH WEATHERHEAD
158	LF	ABANDON 10" UTILITY PIPE	14	EA	2" RISER WITH WEATHERHEAD
1,345	LF	ABANDON 12" UTILITY PIPE	3	EA	2" RISER WITH HEAT SHRINK TUBING
1,652	LF	ABANDON 16" UTILITY PIPE	4,100	LF	INDUCTIVE LOOP SAWCUT
1	EA	REMOVE FIRE HYDRANT	9,970	LF	LEAD-IN CABLE (***** (14-2))
1	EA	ABANDON UTILITY MANHOLE	14,290	LF	COMMUNICATIONS CABLE (**FIBER) (36)
2	EA	REMOVE UTILITY MANHOLE	9	EA	SPLICE ENCLOSURE
66	LF	*** ENCASEMENT PIPE (10")	1	EA	MODIFY SPLICE ENCLOSURE
229	LF	*** ENCASEMENT PIPE (4")	10	EA	INTERCONNECT CENTER
216	LF	16" ENCASEMENT PIPE	25	EA	DELINEATOR MARKER
109	LF	18" ENCASEMENT PIPE	5	EA	900MHZ SERIAL/ETHERNET SPREAD SPECTRUM RADIO
104	LF	20" ENCASEMENT PIPE	2,310	LF	REMOVE EXISTING COMMUNICATIONS CABLE
128	LF	24" ENCASEMENT PIPE	7	EA	METAL POLE WITH SINGLE MAST ARM
66	LF	BORE AND JACK OF *** (10")	3	EA	METAL POLE WITH DUAL MAST ARM
216	LF	BORE AND JACK OF *** (16")	10	EA	SOIL TEST
109	LF	BORE AND JACK OF *** (18")	60	CY	DRILLED PIER FOUNDATION
			10	EA	MAST ARM WITH METAL POLE DE- SIGN

21	EA	SIGN FOR SIGNALS
1	EA	TYPE I POST WITH FOUNDATION
13	EA	TYPE II PEDESTAL WITH FOUNDATION
6	EA	SIGNAL CABINET FOUNDATION
42	EA	DETECTOR CARD (TYPE 170)
7	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
6	EA	CABINET BASE EXTENDER
2	EA	METAL POLE FOUNDATION REMOVAL
2	EA	METAL POLE REMOVAL
2	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
1	EA	GENERIC SIGNAL ITEM DIGITAL HARDWARE VIDEO DECODER
8	EA	GENERIC SIGNAL ITEM DROP CABLE ASSEMBLY (6 FIBER)
14	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
12	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM-MULTIPLE ZONES
9	EA	GENERIC SIGNAL ITEM REMOVE 900 MHZ RADIO
800	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE

WALL ITEMS

775	SF	MSE RETAINING WALL NO **** (1)
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STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 004

CONTRACT ID : C204261 2020CPT.05.05.20392.1 DIV OFFICE DURHAM

LENGTH = 27.304 MI

COUNTY : GRANVILLE, WAKE

MICROSURFACING.

DBE GOAL 8.0% COMPLETION DATE : OCT 15 2019

17 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,749	TON	PATCHING EXISTING PAVEMENT
324,317	SY	GENERIC PAVING ITEM
		LATEX MODIFIED MICROSURFACING, TYPE III
3,004	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
284,704	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
268,045	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
115	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
473	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
66	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
550,236	LF	PAINT PAVEMENT MARKING LINES (4")
913	LF	PAINT PAVEMENT MARKING LINES (24")
66	EA	PAINT PAVEMENT MARKING CHARAC- TER
4	EA	PAINT PAVEMENT MARKING SYMBOL
571,904	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
473	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
40	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 005

CONTRACT ID : C204257 2020CPT.05.06.20732.1 DIV OFFICE DURHAM

LENGTH = 12.960 MI

COUNTY : PERSON

ASPHALT SURFACE TREATMENT.

DBE GOAL % COMPLETION DATE : OCT 15 2019

11 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,620	TON	PATCHING EXISTING PAVEMENT
151,008	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
83,054	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
1,502	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
233,495	LF	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEM- ENT MARKING LINES, 4", 40 MIL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 006

CONTRACT ID : C204258 2020CPT.05.07.20352.1 DIV OFFICE DURHAM

LENGTH = 45.800 MI

COUNTY : FRANKLIN, VANCE, WARREN

ASPHALT SURFACE TREATMENT.

DBE GOAL % COMPLETION DATE : NOV 01 2019

41 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
3,995	TON	PATCHING EXISTING PAVEMENT
529,330	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
322,389	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
329,818	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
4,720	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
838,035	LF	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEM- ENT MARKING LINES, 4", 40 MIL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 007

CONTRACT ID : C204256 2020CPT.05.09.10321.1 DIV OFFICE DURHAM

LENGTH = 15.890 MI

COUNTY : DURHAM, WAKE

MILLING, RESURFACING, AND SHOULDER GRADING.

DBE GOAL 8.0% COMPLETION DATE : NOV 30 2019

1 SECTION OF US-70, 1 SECTION OF NC-98, AND 3 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
610	CY	BORROW EXCAVATION
29.76	SMI	GENERIC GRADING ITEM SHOULDER GRADING
747	TON	INCIDENTAL STONE BASE
1,637	TON	AGGREGATE SHOULDER BORROW
175,842	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1½")
1,242	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1½")
4,772	SY	INCIDENTAL MILLING
1,987	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
17,620	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
13,679	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,096	TON	ASPHALT BINDER FOR PLANT MIX
2,725	TON	PATCHING EXISTING PAVEMENT
2	EA	ADJUSTMENT OF MANHOLES
1,704	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
160	HR	LAW ENFORCEMENT
184,514	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
153,072	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,374	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
943	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
62	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
202	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
141,576	LF	PAINT PAVEMENT MARKING LINES (4")
100	LF	PAINT PAVEMENT MARKING LINES (16")
1,093	LF	PAINT PAVEMENT MARKING LINES (24")
54	EA	PAINT PAVEMENT MARKING CHARAC- TER
194	EA	PAINT PAVEMENT MARKING SYMBOL
1,650	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
887	LF	TEMPORARY SILT FENCE
2,715	LF	WATTLE
8.87	ACR	SEEDING & MULCHING
4,730	LF	INDUCTIVE LOOP SAWCUT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L181016 008

CONTRACT ID : C204253 45881.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 15.100 MI

COUNTY : ROBESON

PAVEMENT REHABILITATION.

DBE GOAL 6.0% COMPLETION DATE : AUG 15 2020

I-74 FROM NC-710 TO NC-41.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
100	CY	BORROW EXCAVATION
83.05	SMI	SHOULDER RECONSTRUCTION
13,711	TON	AGGREGATE SHOULDER BORROW
708,693	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1/2")
34,200	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
28,800	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 2")
137,300	SY	INCIDENTAL MILLING
1,991	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
44,267	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
65,847	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
2,752	TON	ASPHALT BINDER FOR PLANT MIX
3,753	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
100	TON	PATCHING EXISTING PAVEMENT
350,800	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
630	SF	WORK ZONE SIGNS (STATIONARY)
5	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
15	EA	WORK ZONE PRESENCE LIGHTING
10	EA	SEQUENTIAL FLASHING WARNING LIGHTS
1,052	HR	LAW ENFORCEMENT
100	EA	GENERIC TRAFFIC CONTROL ITEM LANE CLOSURE
44	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE
448,724	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
45,288	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
24,411	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
575	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
93	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
545,000	LF	PAINT PAVEMENT MARKING LINES (4")
25,600	LF	PAINT PAVEMENT MARKING LINES (8")
63	EA	PAINT PAVEMENT MARKING SYMBOL
2,946	EA	SNOWPLOWABLE PAVEMENT MARKERS
1	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L181016 009

CONTRACT ID : C204148 53055.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 17.800 MI

COUNTY : ROBESON, CUMBERLAND

PAVEMENT REHABILITATION.

DBE GOAL 6.0% COMPLETION DATE : AUG 01 2020

I-95 FROM US-301 (MM-22.2) TO NORTH OF THE COUNTY LINE (MM-40).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
3,800	CY	BORROW EXCAVATION
5	SMI	SHOULDER RECONSTRUCTION
500	TON	AGGREGATE SHOULDER BORROW
794,894	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
100	SY	INCIDENTAL MILLING
5,500	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
28,240	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
65,553	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
1,958	TON	ASPHALT BINDER FOR PLANT MIX
3,737	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
100	TON	PATCHING EXISTING PAVEMENT
371,712	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
510	SF	WORK ZONE SIGNS (STATIONARY)
5	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
15	EA	WORK ZONE PRESENCE LIGHTING
21	EA	SEQUENTIAL FLASHING WARNING LIGHTS
1,078	HR	LAW ENFORCEMENT
162	EA	GENERIC TRAFFIC CONTROL ITEM LANE CLOSURE
24	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE
374,355	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
45,500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
420	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
11,910	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
41	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
530,016	LF	PAINT PAVEMENT MARKING LINES (4")
620	LF	PAINT PAVEMENT MARKING LINES (6")
12,040	LF	PAINT PAVEMENT MARKING LINES (8")
82	EA	PAINT PAVEMENT MARKING SYMBOL
2,940	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
1	ACR	SEEDING & MULCHING
10	LF	UNPAVED TRENCHING (***** (1 CONDUIT, 2")
1	EA	JUNCTION BOX (STANDARD SIZE)
350	LF	INDUCTIVE LOOP SAWCUT
10	LF	LEAD-IN CABLE (***** (14-2)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L181016 010

CONTRACT ID : C204174 53056.3.2

DIV OFFICE GREENSBORO

LENGTH = 6.795 MI

COUNTY : GUILFORD

PAVEMENT AND BRIDGE REHABILITATION.

DBE GOAL 5.0% COMPLETION DATE : OCT 15 2020

I-73/US-421 FROM I-85 TO I-40 IN GREENSBORO.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
26	CY	UNDERCUT EXCAVATION
152	SY	GEOTEXTILE FOR SOIL STABILIZATION
3,900	LB	SEALING EXISTING PAVEMENT CRACKS
767	TON	INCIDENTAL STONE BASE
197,186	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
15,821	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
949	TON	ASPHALT BINDER FOR PLANT MIX
25	TON	PATCHING EXISTING PAVEMENT
204	SY	REPAIR OF JOINTED CONCRETE PAVEMENT SLABS
71	TON	SELECT MATERIAL, CLASS IV
3,512	SF	PATCHING CONCRETE PAVEMENT SPALLS
117,126	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
494,886	LF	GENERIC PAVING ITEM JOINT CONSTRUCTION, REPAIR & SEALING
472,626	SY	GENERIC PAVING ITEM DIAMOND GRINDING PCC PAVEMENT
6,511	LF	MILLED RUMBLE STRIPS (CONCRETE SHOULDERS)
7	EA	GENERIC DRAINAGE ITEM REMOVE & REPLACE CONC APRON
462	SF	WORK ZONE SIGNS (STATIONARY)
5	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
15	EA	WORK ZONE PRESENCE LIGHTING
11	EA	SEQUENTIAL FLASHING WARNING LIGHTS
20	EA	TUBULAR MARKERS (FIXED)
155	EA	GENERIC TRAFFIC CONTROL ITEM DOUBLE LANE CLOSURE
40	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE (TYPE A)
1	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE (TYPE B)
1	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE (TYPE C)
146	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP TRAFFIC CONTROL
35	EA	GENERIC TRAFFIC CONTROL ITEM SINGLE LANE CLOSURE
194	EA	GENERIC TRAFFIC CONTROL ITEM TRIPLE LANE CLOSURE
12,457	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
4,449	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
226	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
167	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
28	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
120	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (II)
42	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
230,421	LF	PAINT PAVEMENT MARKING LINES (6")
14,822	LF	PAINT PAVEMENT MARKING LINES (12")
40	EA	PAINT PAVEMENT MARKING SYMBOL
230,421	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
14,822	LF	POLYUREA PAVEMENT MARKING LINES (12", 20 MILS)

230,421	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
14,822	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
40	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
54,201	LF	GENERIC PAVEMENT MARKING ITEM EPOXY PAVEMENT MARKING LINES (BLACK) 6"
11,787	LF	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (12", 50MILS)
204,673	LF	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (6", 50MILS)
3,602	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
400	LF	WATTLE
1	EA	JUNCTION BOX (STANDARD SIZE)
1,550	LF	INDUCTIVE LOOP SAWCUT

STRUCTURE ITEMS

Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMETRIC MIXER
135	LF	GENERIC STRUCTURE ITEM EXPANSION JOINT SEAL REPAIR
170	CF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR
1,861	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
32,035	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
32,035	SY	GENERIC STRUCTURE ITEM SILANE DECK TREATMENT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 011

CONTRACT ID : C204215 15BPR.18

DIV OFFICE WINSTON-SALEM

LENGTH = 0.170 MI

COUNTY : DAVIE

BRIDGE PRESERVATION.

DBE GOAL % COMPLETION DATE : SEE SPECIAL PROVISIONS

US-64 OVER YADKIN RIVER.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
2,930	LF	PAINT PAVEMENT MARKING LINES (4")

STRUCTURE ITEMS

30,194	SF	GROOVING BRIDGE FLOORS
5	SY	CLASS II, SURFACE PREPARATION
5	CF	CONCRETE REPAIRS
281.1	CF	SHOTCRETE REPAIRS
143.5	LF	EPOXY RESIN INJECTION
Lump Sum	LS	FOAM JOINT SEALS
72	LF	GENERIC STRUCTURE ITEM SILICONE JOINT SEALANT
127.8	CY	GENERIC STRUCTURE ITEM PPC MATERIALS
22.3	CF	GENERIC STRUCTURE ITEM REPAIRS TO PRESTRESSED CONCRETE GIRDERS
1,080	SF	GENERIC STRUCTURE ITEM EPOXY COATING
5	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR PPC OVERLAY
3,680	SY	GENERIC STRUCTURE ITEM PLACING AND FINISHING PPC OVERLAY
3,680	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
3,680	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 012

CONTRACT ID : C204109 38518.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.209 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : NOV 28 2020

BRIDGE #229 OVER NORFOLK SOUTHERN RAILROAD ON SR-2264.

ROADWAY ITEMS					
			1	EA	GUARDRAIL END UNITS, TYPE CAT-1
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			3	EA	GUARDRAIL END UNITS, TYPE TL-2
Lump Sum	LS	MOBILIZATION	55	TON	RIP RAP, CLASS B
Lump Sum	LS	CONSTRUCTION SURVEYING	376	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	TYPE III REINFORCED APPROACH FILL, STATION ***** (18+03.65)	31.8	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
400	CY	UNDERCUT EXCAVATION	8.2	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)
Lump Sum	LS	GRADING	75	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	5	EA	SIGN ERECTION, TYPE E
254	CY	DRAINAGE DITCH EXCAVATION	1	EA	SIGN ERECTION, TYPE F
250	CY	SELECT GRANULAR MATERIAL	12	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
500	SY	GEOTEXTILE FOR SOIL STABILIZATION	834	SF	WORK ZONE SIGNS (STATIONARY)
185	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	192	SF	WORK ZONE SIGNS (PORTABLE)
660	SY	FOUNDATION CONDITIONING GEOTEXTILE	132	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
48	LF	15" DRAINAGE PIPE	1	EA	FLASHING ARROW BOARD
72	LF	18" DRAINAGE PIPE	3	EA	PORTABLE CHANGEABLE MESSAGE SIGN
1,156	LF	15" RC PIPE CULVERTS, CLASS III	80	EA	DRUMS
96	LF	18" RC PIPE CULVERTS, CLASS III	25	EA	CONES
363	LF	PIPE REMOVAL	96	LF	BARRICADES (TYPE III)
750	CY	SHALLOW UNDERCUT	60	DAY	FLAGGER
1,350	TON	CLASS IV SUBGRADE STABILIZATION	1	EA	TMA
100	TON	INCIDENTAL STONE BASE	1,318	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,150	SY	INCIDENTAL MILLING	3,642	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
2,190	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	287	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
450	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	21	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
890	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	758	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
180	TON	ASPHALT BINDER FOR PLANT MIX	4	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
65	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	925	LF	PAINT PAVEMENT MARKING LINES (4")
18	EA	RIGHT-OF-WAY MARKERS	200	LF	PAINT PAVEMENT MARKING LINES (8")
23	CY	SUBDRAIN EXCAVATION	48	LF	PAINT PAVEMENT MARKING LINES (24")
100	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	8	EA	PAINT PAVEMENT MARKING CHARACTER
17	CY	SUBDRAIN COARSE AGGREGATE	18	EA	PAINT PAVEMENT MARKING SYMBOL
100	LF	6" PERFORATED SUBDRAIN PIPE	375	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1	EA	SUBDRAIN PIPE OUTLET	12	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
6	LF	6" OUTLET PIPE	31	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
8	CY	FLOWABLE FILL	520	LB	DUCTILE IRON WATER PIPE FITTINGS
27	EA	MASONRY DRAINAGE STRUCTURES	1	EA	6" TAPPING SLEEVE & VALVE
13.4	LF	MASONRY DRAINAGE STRUCTURES	4	EA	RELOCATE WATER METER
1	EA	FRAME WITH TWO GRATES, STD 840.16	1	EA	FIRE HYDRANT
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	48	LF	FIRE HYDRANT LEG
11	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	593	LF	8" SANITARY GRAVITY SEWER
11	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	8	EA	SANITARY SEWER CLEAN-OUT
3	EA	FRAME WITH COVER, STD 840.54	210	LF	SEWER SERVICE LINE
2,210	LF	2'-6" CONCRETE CURB & GUTTER	7	EA	4' DIA UTILITY MANHOLE
240	SY	4" CONCRETE SIDEWALK	8.8	LF	UTILITY MANHOLE WALL *** DIA (4")
2	EA	CONCRETE CURB RAMPS	686	LF	ABANDON 8" UTILITY PIPE
120	SY	6" CONCRETE DRIVEWAY	320	LF	ABANDON 12" UTILITY PIPE
230	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	4	EA	ABANDON UTILITY MANHOLE
1	EA	ADJUSTMENT OF CATCH BASINS	2,750	LF	TEMPORARY SILT FENCE
4	EA	ADJUSTMENT OF MANHOLES	75	TON	STONE FOR EROSION CONTROL, CLASS A
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
337.5	LF	STEEL BEAM GUARDRAIL			
137.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED			
5	EA	ADDITIONAL GUARDRAIL POSTS			

			2	EA	GENERIC SIGNAL ITEM JUNCTION BOX MARKER	
			2	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES	
215	TON	STONE FOR EROSION CONTROL, CLASS B	100	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTIC CABLE	
365	TON	SEDIMENT CONTROL STONE				
3.5	ACR	TEMPORARY MULCHING				
200	LB	SEED FOR TEMPORARY SEEDING				
1	TON	FERTILIZER FOR TEMPORARY SEED- ING				
200	LF	TEMPORARY SLOPE DRAINS				
220	CY	SILT EXCAVATION				
8,500	SY	MATTING FOR EROSION CONTROL	4,600	SF	MSE RETAINING WALL NO **** (1)	
182	SY	PERMANENT SOIL REINFORCEMENT MAT	4,440	SF	MSE RETAINING WALL NO **** (2)	
1,500	LF	1/4" HARDWARE CLOTH				
50	LF	WATTLE				
25	LB	POLYACRYLAMIDE (PAM)				
3.5	ACR	SEEDING & MULCHING				
1.75	ACR	MOWING				
50	LB	SEED FOR REPAIR SEEDING				
0.25	TON	FERTILIZER FOR REPAIR SEEDING				
100	LB	SEED FOR SUPPLEMENTAL SEEDING				
2.5	TON	FERTILIZER TOPDRESSING				
10	MHR	SPECIALIZED HAND MOWING				
18	EA	RESPONSE FOR EROSION CONTROL				
2	EA	CONCRETE WASHOUT STRUCTURE				
3,300	LF	SIGNAL CABLE				
30	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)				
3	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)				
2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)				
20	EA	LOUVER				
1,125	LF	MESSENGER CABLE (3/8")				
3,725	LF	TRACER WIRE				
1,050	LF	UNPAVED TRENCHING (***** (1, 2")	20,659	LB	REINFORCING STEEL (BRIDGE)	
1,425	LF	UNPAVED TRENCHING (***** (2, 2")	352,000	LS	APPROX LBS STRUCTURAL STEEL	
120	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN	8	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)	
200	LF	DIRECTIONAL DRILL (***** (1, 2")	12	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 14 X 73)	
1,600	LF	DIRECTIONAL DRILL (***** (2, 2")	320	LF	HP12X53 STEEL PILES	
20	EA	JUNCTION BOX (STANDARD SIZE)	480	LF	HP14X73 STEEL PILES	
9	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)	61.4	SY	4" SLOPE PROTECTION	
4	EA	WOOD POLE		Lump Sum	LS ELASTOMERIC BEARINGS	
5	EA	GUY ASSEMBLY		Lump Sum	LS FOAM JOINT SEALS	
2	EA	1" RISER WITH WEATHERHEAD		Lump Sum	LS ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA***** (18+03.65-L-)	
6	EA	2" RISER WITH WEATHERHEAD				
2	EA	HEAT SHRINK TUBING RETROFIT KIT	416	LF	GENERIC STRUCTURE ITEM CLASSIC CONCRETE BRIDGE RAIL	
6	EA	2" RISER WITH HEAT SHRINK TUBING				
2,725	LF	INDUCTIVE LOOP SAWCUT				
4,175	LF	LEAD-IN CABLE (***** (14-2)				
950	LF	COMMUNICATIONS CABLE (**FIBER) (12)				
9,200	LF	COMMUNICATIONS CABLE (**FIBER) (24)				
300	LF	DROP CABLE				
6	EA	MODIFY SPLICE ENCLOSURE				
3	EA	INTERCONNECT CENTER				
7	EA	DELINEATOR MARKER				
1,650	LF	REMOVE EXISTING COMMUNICATIONS CABLE				
3	EA	METAL STRAIN SIGNAL POLE				
1	EA	METAL POLE WITH SINGLE MAST ARM				
4	EA	SOIL TEST				
24	CY	DRILLED PIER FOUNDATION				
1	EA	MAST ARM WITH METAL POLE DE- SIGN				
8	EA	SIGN FOR SIGNALS				
2	EA	SIGNAL CABINET FOUNDATION				
2	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION				
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)				
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)				
11	EA	DETECTOR CARD (TYPE 2070L)				
2	EA	CABINET BASE EXTENDER				
2	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH				

WALL ITEMS

STRUCTURE ITEMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L181016 013

CONTRACT ID : C204216 45832.3.1

DIV OFFICE SYLVA

LENGTH = 0.491 MI

COUNTY : MACON

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

DBE GOAL 5.0% COMPLETION DATE : FEB 28 2021

US-441 BUS/WAYAH ST INTERSECTIONS FROM WOMACK ST TO DEPOT ST IN FRANKLIN.

ROADWAY ITEMS					
			230	SY	6" CONCRETE DRIVEWAY
			190	SY	4" CONCRETE PAVED DITCH
			960	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
	1	EA	4	EA	ADJUSTMENT OF MANHOLES
	1	ACR	5	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
		SUPPLEMENTARY CLEARING & GRUB-BING	3	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
2,000	CY	UNDERCUT EXCAVATION	745	LF	GENERIC FENCING ITEM
20	CY	DRAINAGE DITCH EXCAVATION			RETAINING WALL ALUMINUM PICKET FENCE
430	LF	BERM DITCH CONSTRUCTION	17	TON	RIP RAP, CLASS A
2,000	CY	SELECT GRANULAR MATERIAL	27	TON	RIP RAP, CLASS B
3,300	SY	GEOTEXTILE FOR SOIL STABILIZATION	128	SY	GEOTEXTILE FOR DRAINAGE
1,015	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1,715	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
3,705	SY	FOUNDATION CONDITIONING GEOTEXTILE	15	EA	SIGN ERECTION, TYPE D
188	LF	15" DRAINAGE PIPE	131	EA	SIGN ERECTION, TYPE E
3,128	LF	15" RC PIPE CULVERTS, CLASS III	12	EA	SIGN ERECTION, TYPE F
900	LF	18" RC PIPE CULVERTS, CLASS III	5	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED)
52	LF	24" RC PIPE CULVERTS, CLASS III	40	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
112	LF	30" RC PIPE CULVERTS, CLASS III	Lump Sum	LS	GENERIC SIGNING ITEM
60	LF	15" RC PIPE CULVERTS, CLASS IV			DISPOSAL OF FLASHER SYSTEM
32	LF	*** CS PIPE CULVERTS, ***** THICK (48", 0.109")	485	SF	WORK ZONE SIGNS (STATIONARY)
348	LF	15" CS PIPE CULVERTS, 0.064" THICK	192	SF	WORK ZONE SIGNS (PORTABLE)
154	LF	18" CS PIPE CULVERTS, 0.064" THICK	373	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
28	LF	30" CS PIPE CULVERTS, 0.079" THICK	6	EA	PORTABLE CHANGEABLE MESSAGE SIGN
630	LF	PIPE REMOVAL	188	EA	DRUMS
100	TON	#57 STONE	82	EA	CONES
500	CY	SHALLOW UNDERCUT	392	LF	BARRICADES (TYPE III)
1,000	TON	CLASS IV SUBGRADE STABILIZATION	20	HR	LAW ENFORCEMENT
500	TON	INCIDENTAL STONE BASE	4,780	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2,360	SY	INCIDENTAL MILLING	4,605	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	680	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,220	SY	***** PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (12")	270	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
10	CY	FLOWABLE FILL	1,255	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
96	EA	MASONRY DRAINAGE STRUCTURES	10	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
66.3	LF	MASONRY DRAINAGE STRUCTURES	87	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
12	EA	FRAME WITH TWO GRATES, STD 840.16	18,022	LF	PAINT PAVEMENT MARKING LINES (4")
1	EA	FRAME WITH TWO GRATES, STD 840.22	957	LF	PAINT PAVEMENT MARKING LINES (8")
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	2,195	LF	PAINT PAVEMENT MARKING LINES (24")
29	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	4	EA	PAINT PAVEMENT MARKING CHARACTER
31	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	88	EA	PAINT PAVEMENT MARKING SYMBOL
5	EA	FRAME WITH COVER, STD 840.54	132	EA	PERMANENT RAISED PAVEMENT MARKERS
16	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	11	EA	7' U-CHANNEL POSTS
12	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	13	EA	OBJECT MARKERS (TYPE **) (1)
190	LF	***X *** CONCRETE CURB (8" X 12")	1,229	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (2" HDPE)
580	LF	***X *** CONCRETE CURB (8" X 18")	18	EA	ELECTRICAL JUNCTION BOXES ***** (STANDARD SIZE)
1,190	LF	1'-6" CONCRETE CURB & GUTTER	339	LF	6" WATER LINE
5,920	LF	2'-6" CONCRETE CURB & GUTTER	238	LF	8" WATER LINE
2,270	SY	4" CONCRETE SIDEWALK	435	LF	10" WATER LINE
34	EA	CONCRETE CURB RAMPS	763	LF	12" WATER LINE
			13,270	LB	DUCTILE IRON WATER PIPE FITTINGS
			1	EA	6" VALVE
			1	EA	8" VALVE
			4	EA	10" VALVE

4	EA	12" VALVE
12	EA	*** TAPPING SLEEVE & VALVE (1")
3	EA	RELOCATE WATER METER
4	EA	FIRE HYDRANT
2,804	LF	8" SANITARY GRAVITY SEWER
3	EA	SANITARY SEWER CLEAN-OUT
114	LF	SEWER SERVICE LINE
19	EA	4' DIA UTILITY MANHOLE
35	LF	UTILITY MANHOLE WALL 4' DIA
1,852	LF	ABANDON 6" UTILITY PIPE
1,252	LF	ABANDON 8" UTILITY PIPE
506	LF	ABANDON 10" UTILITY PIPE
342	LF	ABANDON 12" UTILITY PIPE
3	EA	REMOVE FIRE HYDRANT
8	EA	ABANDON UTILITY MANHOLE
6,005	LF	TEMPORARY SILT FENCE
505	TON	STONE FOR EROSION CONTROL, CLASS A
610	TON	STONE FOR EROSION CONTROL, CLASS B
925	TON	SEDIMENT CONTROL STONE
6.5	ACR	TEMPORARY MULCHING
400	LB	SEED FOR TEMPORARY SEEDING
2	TON	FERTILIZER FOR TEMPORARY SEED- ING
200	LF	TEMPORARY SLOPE DRAINS
1,630	CY	SILT EXCAVATION
1,900	SY	MATTING FOR EROSION CONTROL
1,200	SY	PERMANENT SOIL REINFORCEMENT MAT
2,940	LF	1/4" HARDWARE CLOTH
330	LF	COIR FIBER WATTLE
130	LB	POLYACRYLAMIDE (PAM)
305	LF	COIR FIBER BAFFLE
8	ACR	SEEDING & MULCHING
6	ACR	MOWING
100	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
150	LB	SEED FOR SUPPLEMENTAL SEEDING
4	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
5	EA	CONCRETE WASHOUT STRUCTURE
1	EA	TRAFFIC SIGNAL REMOVAL

***** BEGIN SCHEDULE AA *****
 ***** (2 ALTERNATES) *****

Lump Sum	LS	GRADING
8,900	TON	AGGREGATE BASE COURSE
2,920	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
2,930	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
320	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***

Lump Sum	LS	GRADING
4,790	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
3,270	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
2,590	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
530	TON	ASPHALT BINDER FOR PLANT MIX

*** END SCHEDULE AA ***

WALL ITEMS

2,560	SF	SOLDIER PILE RETAINING WALLS
1,690	SF	SEGMENTAL GRAVITY RETAINING WALLS