



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.
F81B6038A47A442...

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

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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 JUNE 19, 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 MAY 15, 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 L180619

RPN Contract Id WBS

001 C204103 34802.3.3

County

GUILFORD

Length

3.844 MI

JobType

GRADING, DRAINAGE, PAVING,
SIGNALS, AND STRUCTURES.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L180619 001

CONTRACT ID : C204103 34802.3.3

DIV OFFICE GREENSBORO

LENGTH = 3.844 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 12.0% COMPLETION DATE : DEC 28 2021

SR-1486/SR-4121 (GREENSBORO/HIGH POINT RD) FROM PROPOSED US-311 BYPASS TO WEST OF SR-1480 (VICKREY CHAPEL RD).

ROADWAY ITEMS					
		512	LF	**** RC PIPE CULVERTS, CLASS ***** (24", V)	
Lump Sum	LS	356	LF	**** RC PIPE CULVERTS, CLASS ***** (66", V)	
Lump Sum	LS				
Lump Sum	LS	3,924	LF	15" RC PIPE CULVERTS, CLASS III	
4	ACR				
		3,616	LF	18" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	3,496	LF	24" RC PIPE CULVERTS, CLASS III	
		1,888	LF	30" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	316	LF	36" RC PIPE CULVERTS, CLASS III	
		108	LF	42" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	20	LF	54" RC PIPE CULVERTS, CLASS III	
		476	LF	60" RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	232	LF	**** RC PIPE CULVERTS, CLASS IV (54")	
		5,724	LF	15" RC PIPE CULVERTS, CLASS IV	
Lump Sum	LS	2,008	LF	18" RC PIPE CULVERTS, CLASS IV	
		1,276	LF	24" RC PIPE CULVERTS, CLASS IV	
Lump Sum	LS	324	LF	30" RC PIPE CULVERTS, CLASS IV	
		448	LF	36" RC PIPE CULVERTS, CLASS IV	
Lump Sum	LS	100	LF	24" CS PIPE CULVERTS, 0.064" THICK	
		144	LF	GENERIC PIPE ITEM 24" DUCTILE IRON PIPE, CLASS 250	
Lump Sum	LS				
29,200	CY				
		4,045	LF	PIPE REMOVAL	
4,712	CY				
		Lump Sum	LS	FINE GRADING	
1,350	LF				
		84,000	SY	LIME TREATED SOIL (SLURRY METHOD)	
10,450	SY				
		840	TON	LIME FOR LIME TREATED SOIL	
2,900	SY				
		1,560	TON	#57 STONE	
40	HR				
		550	CY	SHALLOW UNDERCUT	
31,000	CY				
		1,000	TON	CLASS IV SUBGRADE STABILIZATION	
30,150	SY				
		500	TON	STABILIZER AGGREGATE	
5,420	TON				
		58,153	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	
2,860	SY				
		84,000	SY	SOIL CEMENT BASE	
1,000	SY				
		2,300	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	
50	TON				
		25,200	GAL	ASPHALT CURING SEAL	
		1,000	TON	INCIDENTAL STONE BASE	
3,492	TON				
		3,850	SY	INCIDENTAL MILLING	
		56,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
11,908	SY				
		39,100	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
980	LF				
		2,137	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	
284	LF				
		1,250	CY	SUBDRAIN EXCAVATION	
1,468	LF				
		3,900	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	
160	LF				
		685	CY	SUBDRAIN COARSE AGGREGATE	
1,116	LF				
		3,700	LF	6" PERFORATED SUBDRAIN PIPE	
13	EA				
		9	EA	SUBDRAIN PIPE OUTLET	
2	EA				
		53	LF	6" OUTLET PIPE	
4	EA				
		20	TON	BLOTTING SAND	
8	EA				
		29.8	CY	ENDWALLS	
388	LF				
		17.2	CY	REINFORCED ENDWALLS	
		1.8	CY	PIPE COLLARS	
244	LF				
		1.4	CY	PIPE PLUGS	
		196	EA	MASONRY DRAINAGE STRUCTURES	
		20	CY	MASONRY DRAINAGE STRUCTURES	
		163.34	LF	MASONRY DRAINAGE STRUCTURES	
		12	EA	FRAME WITH TWO GRATES, STD 840.16	
		40	EA	FRAME WITH TWO GRATES, STD 840.20	

			5	EA	DISPOSAL OF SIGN, D, E OR F
			1,106	SF	WORK ZONE SIGNS (STATIONARY)
			1,184	SF	WORK ZONE SIGNS (PORTABLE)
			484	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
93	EA	FRAME WITH TWO GRATES, STD 840.22	2	EA	FLASHING ARROW BOARD
11	EA	FRAME WITH TWO GRATES, STD 840.24	5	EA	PORTABLE CHANGEABLE MESSAGE SIGN
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	900	EA	DRUMS
8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	100	EA	CONES
13	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	2,888	LF	BARRICADES (TYPE III)
10	EA	FRAME WITH COVER, STD 840.54	2,400	DAY	FLAGGER
2	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	4	EA	TMA
8	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	1,200	EA	TEMPORARY RAISED PAVEMENT MARKERS
1	EA	*** SLUICE GATE (24")	85,903	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2	EA	*** SLUICE GATE (30")	26,206	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
4	EA	*** SLUICE GATE (36")	310	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
7	EA	*** SLUICE GATE (8")	65	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
1,225	LF	1'-6" CONCRETE CURB & GUTTER	7,633	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
4,520	LF	2'-6" CONCRETE CURB & GUTTER	770	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
7,400	LF	SHOULDER BERM GUTTER	2,004	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1,140	LF	CONCRETE EXPRESSWAY GUTTER	1,897	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
160	SY	4" CONCRETE SIDEWALK	60	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
140	SY	6" CONCRETE DRIVEWAY	246	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
50	SY	4" CONCRETE PAVED DITCH	12,000	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
1,960	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	163,670	LF	PAINT PAVEMENT MARKING LINES (4")
2	EA	ADJUSTMENT OF MANHOLES	1,680	LF	PAINT PAVEMENT MARKING LINES (8")
20,862.5	LF	STEEL BEAM GUARDRAIL	500	LF	PAINT PAVEMENT MARKING LINES (24")
237.5	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	36	EA	PAINT PAVEMENT MARKING SYMBOL
6	EA	STEEL BEAM GUARDRAIL TERMINAL SECTIONS	7,307	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
10	EA	ADDITIONAL GUARDRAIL POSTS	4,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
18	EA	GUARDRAIL END UNITS, TYPE CAT-1	1,000	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
2	EA	GUARDRAIL ANCHOR UNITS, TYPE III	150	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
30	EA	GUARDRAIL END UNITS, TYPE TL-3	434	EA	PERMANENT RAISED PAVEMENT MARKERS
23	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	1,055	EA	SNOWFLOWABLE PAVEMENT MARKERS
60	LF	REMOVE EXISTING GUARDRAIL	1,140	LF	6" WATER LINE
44,000	LF	WOVEN WIRE FENCE, 47" FABRIC	794	LF	8" WATER LINE
2,680	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	1,513	LF	12" WATER LINE
840	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	33	LF	16" WATER LINE
980	LF	CHAIN LINK FENCE, 48" FABRIC	17,215	LB	DUCTILE IRON WATER PIPE FITTINGS
70	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	11	EA	6" VALVE
19	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	2	EA	8" VALVE
300	LF	ADDITIONAL BARBED WIRE	3	EA	12" VALVE
570	TON	RIP RAP, CLASS I	36	EA	RELOCATE WATER METER
435	TON	RIP RAP, CLASS II	3	EA	RECONNECT WATER METER
680	TON	RIP RAP, CLASS A	1	EA	*** RPZ BACKFLOW PREVENTION ASSEMBLY (3/4")
4,270	TON	RIP RAP, CLASS B	17	EA	RELOCATE FIRE HYDRANT
17,100	SY	GEOTEXTILE FOR DRAINAGE	476	LF	FIRE HYDRANT LEG
2	CY	REINFORCED CONCRETE SIGN FOUNDATIONS	1,434	LF	WATER SERVICE LINE
1	CY	PLAIN CONCRETE SIGN FOUNDATIONS	1,372	LF	8" SANITARY GRAVITY SEWER
890	LB	SUPPORTS, BREAKAWAY STEEL BEAM	180	LF	10" SANITARY GRAVITY SEWER
637	LB	SUPPORTS, SIMPLE STEEL BEAM	431	LF	16" SANITARY GRAVITY SEWER
1,900	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	619	LF	20" SANITARY GRAVITY SEWER
7	EA	SIGN ERECTION, TYPE D	2	EA	SANITARY SEWER CLEAN-OUT
101	EA	SIGN ERECTION, TYPE E	94	LF	SEWER SERVICE LINE
2	EA	SIGN ERECTION, TYPE F	20	EA	4' DIA UTILITY MANHOLE
3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	7	EA	5' DIA UTILITY MANHOLE
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	44	LF	UTILITY MANHOLE WALL 4' DIA
2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	51	LF	UTILITY MANHOLE WALL 5' DIA
54	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	222	LF	ABANDON *** UTILITY PIPE (15")
5	EA	DISPOSAL OF SUPPORT, U-CHANNEL	350	LF	ABANDON *** UTILITY PIPE (21")
1	EA	DISPOSAL OF SIGN, A & B (GROUND MOUNTED)	1,386	LF	ABANDON *** UTILITY PIPE (36")
			1,295	LF	ABANDON 8" UTILITY PIPE
			185	LF	ABANDON 10" UTILITY PIPE
			1,548	LF	ABANDON 12" UTILITY PIPE

			14	EA	GUY ASSEMBLY	
			1	EA	1" RISER WITH WEATHERHEAD	
			4	EA	2" RISER WITH WEATHERHEAD	
114	LF	ABANDON 20" UTILITY PIPE	12	EA	2" RISER WITH HEAT SHRINK TUBING	
512	LF	ABANDON 24" UTILITY PIPE	12,800	LF	INDUCTIVE LOOP SAWCUT	
56	EA	REMOVE WATER METER	49,450	LF	LEAD-IN CABLE (***** (14-2)	
4	EA	REMOVE FIRE HYDRANT	15,000	LF	COMMUNICATIONS CABLE (**FIBER) (36)	
32	EA	ABANDON UTILITY MANHOLE	600	LF	DROP CABLE	
2	EA	REMOVE UTILITY MANHOLE	7	EA	SPLICE ENCLOSURE	
200	LF	18" ENCASEMENT PIPE	1	EA	MODIFY SPLICE ENCLOSURE	
120	LF	20" ENCASEMENT PIPE	6	EA	INTERCONNECT CENTER	
420	LF	30" ENCASEMENT PIPE	21	EA	DELINEATOR MARKER	
52	LF	GENERIC UTILITY ITEM ADJUST 48" FRP MANHOLE RISER	24	EA	METAL STRAIN SIGNAL POLE	
98,750	LF	TEMPORARY SILT FENCE	1	EA	METAL POLE WITH SINGLE MAST ARM	
2,620	TON	STONE FOR EROSION CONTROL, CLASS A	25	EA	SOIL TEST	
22,735	TON	STONE FOR EROSION CONTROL, CLASS B	150	CY	DRILLED PIER FOUNDATION	
45,800	TON	SEDIMENT CONTROL STONE	1	EA	MAST ARM WITH METAL POLE DE- SIGN	
173.5	ACR	TEMPORARY MULCHING	24	EA	SIGN FOR SIGNALS	
8,500	LB	SEED FOR TEMPORARY SEEDING	6	EA	SIGNAL CABINET FOUNDATION	
44.5	TON	FERTILIZER FOR TEMPORARY SEED- ING	6	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	
11,315	LF	TEMPORARY SLOPE DRAINS	55	EA	DETECTOR CARD (TYPE 2070L)	
3,000	LF	SAFETY FENCE	6	EA	CABINET BASE EXTENDER	
94,270	CY	SILT EXCAVATION	5	EA	METAL POLE FOUNDATION REMOVAL	
274,700	SY	MATTING FOR EROSION CONTROL	5	EA	METAL POLE REMOVAL	
3,000	SY	COIR FIBER MAT	5	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY	
3,850	SY	PERMANENT SOIL REINFORCEMENT MAT	6	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	
14,180	LF	1/4" HARDWARE CLOTH	1	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM-MULTIPLE ZONES	
310	LF	*** TEMPORARY PIPE (18")	150	LF	GENERIC SIGNAL ITEM BACK PULL FIBER OPTICS CABLE	
525	LF	TEMPORARY PIPE FOR STREAM CROSSING				
765	SY	FLOATING TURBIDITY CURTAIN				
6,400	LF	COIR FIBER WATTLE				
6,050	LB	POLYACRYLAMIDE (PAM)				
21,915	LF	COIR FIBER BAFFLE				
31	EA	*** SKIMMER (1-1/2")				***** BEGIN SCHEDULE AA ***** ***** (2 ALTERNATES) *****
15	EA	*** SKIMMER (2")	705,000	CY	UNCLASSIFIED EXCAVATION	
3	EA	*** SKIMMER (2-1/2")	385,000	CY	BORROW EXCAVATION	
3	EA	*** SKIMMER (3")	95,500	TON	AGGREGATE BASE COURSE	
6	EA	*** SKIMMER (4")	21,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	
159	ACR	SEEDING & MULCHING	5,970	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***	
110	ACR	MOWING	695,000	CY	UNCLASSIFIED EXCAVATION	
1,750	LB	SEED FOR REPAIR SEEDING	405,000	CY	BORROW EXCAVATION	
6	TON	FERTILIZER FOR REPAIR SEEDING	62,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	
3,700	LB	SEED FOR SUPPLEMENTAL SEEDING	7,771	TON	ASPHALT BINDER FOR PLANT MIX	
111	TON	FERTILIZER TOPDRESSING				
240	LF	IMPERVIOUS DIKE				*** END SCHEDULE AA ***
85	MHR	SPECIALIZED HAND MOWING				
100	EA	RESPONSE FOR EROSION CONTROL				CULVERT ITEMS
16	EA	CONCRETE WASHOUT STRUCTURE				
330	CY	CULVERT DIVERSION CHANNEL	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (173+47.00 -L-)	
1.8	ACR	REFORESTATION	140	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	
0.6	ACR	STREAMBANK REFORESTATION	204.6	CY	CLASS A CONCRETE (CULVERT)	
225	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	29,262	LB	REINFORCING STEEL (CULVERT)	
75	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE				WALL ITEMS
11,950	LF	SIGNAL CABLE				
77	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	1,325	SF	MSE RETAINING WALL NO **** (1)	
13	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)				
15	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)				
800	LF	MESSANGER CABLE (1/4")				STRUCTURE ITEMS
4,500	LF	MESSANGER CABLE (3/8")				
15,475	LF	TRACER WIRE				
75	LF	PAVED TRENCHING (***** (1, 2")	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (140+21.50 -L- LT)	
6,050	LF	UNPAVED TRENCHING (***** (1, 2")				
15,625	LF	UNPAVED TRENCHING (***** (2, 2")	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (140+21.50 -L- RT)	
250	LF	DIRECTIONAL DRILL (***** (2, 2")				
70	EA	JUNCTION BOX (STANDARD SIZE)				
51	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)				
7	EA	WOOD POLE				

			5,051.82	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
			2,402.66	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (155+02.50 -L- LT)	178	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (155+02.50 -L- RT)	4,819	LF	HP12X53 STEEL PILES
			54	EA	STEEL PILE POINTS
			399.67	LF	THREE BAR METAL RAIL
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 14+97.65 -Y8-)	5,518.91	LF	CONCRETE BARRIER RAIL
			638	SY	4" SLOPE PROTECTION
			8,302	TON	RIP RAP CLASS II (2'-0" THICK)
235	LF	PILE EXCAVATION IN SOIL	9,219	SY	GEOTEXTILE FOR DRAINAGE
134	LF	PILE EXCAVATION NOT IN SOIL	Lump Sum	LS	ELASTOMERIC BEARINGS
95	LF	***,***" DIA DRILLED PIERS IN SOIL (4'-6")	Lump Sum	LS	EXPANSION JOINT SEALS
			Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA ***** (140+21.50 -L- RT)
122.5	LF	***,***" DIA DRILLED PIERS IN SOIL (5'-0")	Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA ***** (155+02.50 -L- RT)
124	LF	***,***" DIA DRILLED PIERS IN SOIL (5'-6")	Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA ***** (93+43.36 -L- RT)
94.92	LF	***,***" DIA DRILLED PIERS IN SOIL (6'-0")	3,121.8	LF	GENERIC STRUCTURE ITEM 78" FIB PRESTRESSED CONCRETE GIRDERS
85.17	LF	***,***" DIA DRILLED PIERS IN SOIL (6'-6")			
155	LF	4'-0" DIA DRILLED PIERS IN SOIL			
107	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (4'-6")			
58	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (5'-0")			
74	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (5'-6")			
80	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (6'-0")			
183	LF	***,***" DIA DRILLED PIERS NOT IN SOIL (6'-6")			
116	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL			
18	LF	PERMANENT STEEL CASING FOR ***,***" DIA DRILLED PIER (4'-6")			
100.78	LF	PERMANENT STEEL CASING FOR ***,***" DIA DRILLED PIER (6'-6")			
31.8	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER			
14	EA	SID INSPECTIONS			
14	EA	CSL TESTING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (93+43.36 -L- LT)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (93+43.36 -L- RT)			
119,670	SF	REINFORCED CONCRETE DECK SLAB			
110,470	SF	GROOVING BRIDGE FLOORS			
3,233.1	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+97.65 -Y8-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (140+21.50 -L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (140+21.50 -L- RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+02.50 -L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+02.50 -L- RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (93+43.36 -L- LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (93+43.36 -L- RT)			
636,365	LB	REINFORCING STEEL (BRIDGE)			
111,800	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
1,027.92	LF	54" PRESTRESSED CONCRETE GIRDERS			

