




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

July 11, 2014

NOTICE TO: All Prequalified Contractors

FROM: R. A. Garris, PE 
State Contract Officer

SUBJECT: Broadcast of Raleigh Central Highway Letting

Effective with the July 15, 2014 Highway Letting the broadcast of the bid opening is changing to a new format. The new method will be broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

Go to [Raleigh Central Letting](#) and click on "Live Now" which will be available 15 minutes prior to Letting.

Manual process:

Go to www.livestream.com, click on the "Watch" button and then type NCDOT Raleigh Central Letting into the search events window. Select the Raleigh Central Letting event for the desired date. Click "Live Now" to listen to the audio after the event has started.

If you have any questions, please do not hesitate to contact me at (919) 707-6900.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

TELEPHONE: 919-707-6900
FAX: 919-250-4119

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 SEPTEMBER 16, 2014. 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 AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE
<https://connect.ncdot.gov/letting/Pages/>.

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. 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 UNIT, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES UNIT AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY INSURE 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, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. 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 AUGUST 19, 2014.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 14Jul2011)

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	John W Rouse, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Fussell, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Timothy M Little, PE	PO BOX 3165	WILSON	(252) 237-6164
00005	J. Wally Bowman, 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	Robert W Stone II, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	Louis L Mitchell, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Reuben D Chandler, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Ed Green, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L140916

RPN	Contract Id	WBS	County	Length	JobType
001	C203489	52400.3.STR01T4	GUILFORD	0.502 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
002	C203488	45830.3.FS1	BUNCOMBE	5.300 MI	PAVEMENT REHABILITATION.

Bid Letting Number L141021

RPN	Contract Id	WBS	County	Length	JobType
, 001	C203394	34745.3.S2	DURHAM	4.009 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
*002	C203484	34839.3.GVS4	FORSYTH	4.057 MI	GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, ITS, AND STRS.

*PLEASE NOTE:

C203394, OCTOBER RPN 001, DURHAM COUNTY HAS A MANDATORY PRE-BID CONFERENCE ON THURSDAY, SEPTEMBER 18, 2014 AT 1:00 PM AT NCDOT FLEET AND MATERIAL MANAGEMENT UNIT, CHIEF ENGINEER'S CONFERENCE ROOM, 4809 BERYL RD., RALEIGH, NC 27606 (919) 733-2202. CONTRACTORS ARE TO USE THE VISITOR ENTRANCE AT THE FRONT OF THE BUILDING FOR ACCESS.

C203394, OCTOBER RPN 001, DURHAM COUNTY HAS A PRICE INCREASE OF \$200.00 FOR LARGE PLANS, \$60.00 FOR SMALL PLANS AND \$60.00 FOR CROSS SECTIONS.

C203484, OCTOBER RPN 002, FORSYTH COUNTY HAS A PRICE INCREASE OF \$200.00 FOR LARGE PLANS, \$60.00 FOR SMALL PLANS AND \$60.00 FOR CROSS SECTIONS.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L140916 001

CONTRACT ID : C203489 52400.3.STR01T4

DIV OFFICE GREENSBORO

LENGTH = 0.502 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : FEB 28 2017

SR-2819 (MCLEANSVILLE RD) GRADE SEPARATION OVER NS/NCRR RAILROAD FROM SR-2826 TO NORTH OF SR-2746.

ROADWAY ITEMS					
			4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			5	EA	ADDITIONAL GUARDRAIL POSTS
			1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			9	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			12.5	LF	TEMPORARY STEEL BM GUARDRAIL
			50	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)
			1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE *****
			1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE *****
			450	TON	RIP RAP, CLASS B
			1,400	SY	GEOTEXTILE FOR DRAINAGE
			1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			276	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
			669	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			52	EA	SIGN ERECTION, TYPE E
			1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
			50	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			1,374	SF	WORK ZONE SIGNS (STATIONARY)
			356	SF	WORK ZONE SIGNS (PORTABLE)
			202	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			3	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			160	EA	DRUMS
			100	EA	CONES
			304	LF	BARRICADES (TYPE III)
			944	HR	FLAGGER
			4	EA	TEMPORARY CRASH CUSHIONS
			1	EA	RESET TEMPORARY CRASH CUSHION
			1	EA	TMA
			1,383	LF	PORTABLE CONCRETE BARRIER
			312	LF	RESET PORTABLE CONCRETE BARRIER
			100	EA	SKINNY DRUM
			178	EA	TEMPORARY RAISED PAVEMENT MARKERS
			11,243	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			12,406	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			248	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			6	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			9	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			600	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
			720	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
			72,085	LF	PAINT PAVEMENT MARKING LINES (4")
			90	LF	PAINT PAVEMENT MARKING LINES (16")
			996	LF	PAINT PAVEMENT MARKING LINES (24")
			52	EA	PAINT PAVEMENT MARKING CHARACTER
			18	EA	PAINT PAVEMENT MARKING SYMBOL
			5,731	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			76	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
2	EA	SEALING ABANDONED WELLS			
3,500	CY	UNDERCUT EXCAVATION			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
Lump Sum	LS	GRADING			
248,800	CY	BORROW EXCAVATION			
7,050	CY	DRAINAGE DITCH EXCAVATION			
4,500	CY	SELECT GRANULAR MATERIAL			
4,900	SY	GEOTEXTILE FOR SOIL STABILIZATION			
8,191.25	SF	TEMPORARY SHORING			
570	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
2,794	SY	FOUNDATION CONDITIONING GEOTEXTILE			
252	LF	15" DRAINAGE PIPE			
332	LF	18" DRAINAGE PIPE			
140	LF	24" DRAINAGE PIPE			
52	LF	30" DRAINAGE PIPE			
6	EA	*** DRAINAGE PIPE ELBOWS (15")			
2	EA	*** DRAINAGE PIPE ELBOWS (24")			
136	LF	15" SIDE DRAIN PIPE			
68	LF	18" SIDE DRAIN PIPE			
388	LF	15" RC PIPE CULVERTS, CLASS III			
84	LF	18" RC PIPE CULVERTS, CLASS III			
172	LF	18" RC PIPE CULVERTS, CLASS IV			
304	LF	42" RC PIPE CULVERTS, CLASS IV			
962	LF	PIPE REMOVAL			
7,800	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION			
132	TON	AGGREGATE BASE COURSE			
5,000	TON	INCIDENTAL STONE BASE			
82	GAL	PRIME COAT			
380	SY	INCIDENTAL MILLING			
5,750	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
2,250	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
4,440	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
630	TON	ASPHALT BINDER FOR PLANT MIX			
530	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
64	EA	RIGHT OF WAY MARKERS			
115	CY	SUBDRAIN EXCAVATION			
85	CY	SUBDRAIN FINE AGGREGATE			
500	LF	6" PERFORATED SUBDRAIN PIPE			
1	EA	SUBDRAIN PIPE OUTLET			
6	LF	6" OUTLET PIPE			
18	CY	ENDWALLS			
0.399	CY	PIPE COLLARS			
2	CY	FLOWABLE FILL			
10	EA	MASONRY DRAINAGE STRUCTURES			
3.39	LF	MASONRY DRAINAGE STRUCTURES			
8	EA	FRAME WITH TWO GRATES, STD 840.29			
1	EA	FRAME WITH COVER, STD 840.54			
1	EA	GENERIC DRAINAGE ITEM BICYCLE SAFE STEEL FRAME AND GRATE			
Lump Sum	LS	GENERIC DRAINAGE ITEM LEVEL SPREADER W/ VEGETATED TROUGH			
2,188	LF	SHOULDER BERM GUTTER			
2	EA	ADJUSTMENT OF MANHOLES			
3,625	LF	STEEL BM GUARDRAIL			
125	LF	STEEL BM GUARDRAIL, SHOP CURVED			

13	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
56	EA	PERMANENT RAISED PAVEMENT MARKERS
9	EA	7' U-CHANNEL POSTS
313	LF	8" WATER LINE
1,156	LF	12" WATER LINE
1,609	LF	16" WATER LINE
1	EA	8" VALVE
2	EA	12" VALVE
5	EA	16" VALVE
3	EA	RELOCATE WATER METER
7	EA	FIRE HYDRANT
1	EA	RELOCATE FIRE HYDRANT
4	EA	SANITARY SEWER CLEAN-OUT
112	LF	18" ENCASEMENT PIPE
310	LF	24" ENCASEMENT PIPE
15,150	LF	TEMPORARY SILT FENCE
260	TON	STONE FOR EROSION CONTROL, CLASS A
4,760	TON	STONE FOR EROSION CONTROL, CLASS B
2,400	TON	SEDIMENT CONTROL STONE
44.5	ACR	TEMPORARY MULCHING
2,100	LB	SEED FOR TEMPORARY SEEDING
10.5	TON	FERTILIZER FOR TEMPORARY SEEDING
5,080	LF	TEMPORARY SLOPE DRAINS
1,000	LF	SAFETY FENCE
9,710	CY	SILT EXCAVATION
31,290	SY	MATTING FOR EROSION CONTROL
2,200	SY	COIR FIBER MAT
1,510	LF	1/4" HARDWARE CLOTH
250	LF	*** TEMPORARY PIPE (18")
50	LF	*** TEMPORARY PIPE (24")
2	EA	SPECIAL STILLING BASINS
1,650	LF	WATTLE
100	LB	POLYACRYLAMIDE (PAM)
2,535	LF	COIR FIBER BAFFLE
6	EA	*** SKIMMER (1-1/2")
1	EA	*** SKIMMER (2")
1	EA	*** SKIMMER (2-1/2")
48	ACR	SEEDING & MULCHING
42	ACR	MOWING
450	LB	SEED FOR REPAIR SEEDING
2	TON	FERTILIZER FOR REPAIR SEEDING
1,125	LB	SEED FOR SUPPLEMENTAL SEEDING
33.75	TON	FERTILIZER TOPDRESSING
10	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
100	EA	RESPONSE FOR EROSION CONTROL
2	ACR	REFORESTATION

STRUCTURE ITEMS

5,529	SF	REINFORCED CONCRETE DECK SLAB
5,660	SF	GROOVING BRIDGE FLOORS
101.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+59.04-L-)
13,246	LB	REINFORCING STEEL (BRIDGE)
286,200	LS	APPROX LBS STRUCTURAL STEEL
1,250	LF	HP12X53 STEEL PILES
20	EA	STEEL PILE POINTS
293.33	LF	VERTICAL CONCRETE BARRIER RAIL
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
5,430	SF	MSE RETAINING WALL NO ***** (1 @ EB1)
3,472	SF	MSE RETAINING WALL NO ***** (2 @ EB2)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L140916 002

CONTRACT ID : C203488 45830.3.FS1

DIV OFFICE ASHEVILLE

LENGTH = 5.300 MI

COUNTY : BUNCOMBE

PAVEMENT REHABILITATION.

DBE GOAL 10.0% COMPLETION DATE : OCT 15 2015

I-240 FROM I-40/1-26 TO US-19/23.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
284	CY	UNDERCUT EXCAVATION
1,700	SY	GEOTEXTILE FOR SOIL STABILIZATION
575	TON	CLASS IV SUBGRADE STABILIZATION
2,000	TON	AGGREGATE BASE COURSE
5.2	SMI	SHOULDER RECONSTRUCTION
63,415	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
10,470	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
702	TON	ASPHALT BINDER FOR PLANT MIX
320	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX
6,155	TON	ULTRA-THIN BONDED WEARING COURSE
180,546	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT
105,798	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
57,150	SY	GENERIC PAVING ITEM FINE MILLING
8,500	SY	GENERIC PAVING ITEM REPAIR OF JOINTED CONCRETE PAVEMENT SLABS
800	LF	STEEL BM GUARDRAIL
20	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,800	LF	REMOVE EXISTING GUARDRAIL
592	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
110	HR	LAW ENFORCEMENT
73	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
12	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
90,340	LF	PAINT PAVEMENT MARKING LINES (6")
134,020	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
11,682	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
2	EA	GENERIC PAVEMENT MARKING ITEM INTERSTATE SHIELD, THERMOPLASTIC SYMBOL (90 MILS)
1,229	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L141021 001

CONTRACT ID : C203394 34745.3.S2

DIV OFFICE DURHAM

LENGTH = 4.009 MI

COUNTY : DURHAM

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

MBE GOAL 6.0% WBE 7.0% COMPLETION DATE : JAN 10 2020

EAST END CONNECTOR FROM NORTH OF NC-98 TO NC-147 (BUCK DEAN FREEWAY) IN DURHAM.

ROADWAY ITEMS					
			32	LF	*** SIDE DRAIN PIPE (48")
			5,184	LF	15" SIDE DRAIN PIPE
			1,440	LF	18" SIDE DRAIN PIPE
			1,556	LF	24" SIDE DRAIN PIPE
			26	EA	*** SIDE DRAIN PIPE ELBOWS (15")
			6	EA	*** SIDE DRAIN PIPE ELBOWS (18")
			6	EA	*** SIDE DRAIN PIPE ELBOWS (24")
			4	EA	*** SIDE DRAIN PIPE ELBOWS (30")
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM CONTROL OF VIBRATION			
	750	HR			GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION-STANDARD
	250	HR			GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION-VACUUM
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
	5	ACR			SUPPLEMENTARY CLEARING & GRUBBING
	4	EA			SEALING ABANDONED WELLS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (125+85.60 -L- EB)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (126+08.04 -L- WB)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (139+64.19 -LDFEB-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+19.55 -DFLW-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+52.61 -Y7-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+58.00 -DFLY-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (32+27.49 -Y4-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (34+62.88 -DFEB-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (36+69.26 -DFWB-)			
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (24+70.18-DFWB-)			
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (28+46.38 -RRDET-)			
	7,200	CY			UNDERCUT EXCAVATION
	61,100	CY			DRAINAGE DITCH EXCAVATION
	1,710	LF			BERM DITCH CONSTRUCTION
	80,100	SY			REMOVAL OF EXISTING ASPHALT PAVEMENT
	67,450	SY			REMOVAL OF EXISTING CONCRETE PAVEMENT
	12,210	SY			BREAKING OF EXISTING ASPHALT PAVEMENT
	7,800	SY			BREAKING OF EXISTING CONCRETE PAVEMENT
	100	HR			PROOF ROLLING
	6,000	CY			SELECT GRANULAR MATERIAL
	35,200	SY			GEOTEXTILE FOR SOIL STABILIZATION
	22,200	SF			TEMPORARY SHORING
	1,700	SY			ROCK PLATING
	2,100	CY			GENERIC GRADING ITEM CLAY CORE
	1,500	TON			GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL
	5,470	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
	17,210	SY			FOUNDATION CONDITIONING GEOTEXTILE
	20	CY			GENERIC DRAINAGE ITEM FILTER DIAPHRAGM
	280	LF			*** SIDE DRAIN PIPE (30")
	144	LF			*** SIDE DRAIN PIPE (36")
			228	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (24", 0.500")
			524	LF	*** RC PIPE CULVERTS, CLASS III (18", V)
			1,180	LF	*** RC PIPE CULVERTS, CLASS III (30", V)
			416	LF	*** RC PIPE CULVERTS, CLASS III (36", V)
			3,568	LF	15" RC PIPE CULVERTS, CLASS III
			4,172	LF	18" RC PIPE CULVERTS, CLASS III
			2,580	LF	24" RC PIPE CULVERTS, CLASS III
			2,196	LF	30" RC PIPE CULVERTS, CLASS III
			604	LF	36" RC PIPE CULVERTS, CLASS III
			572	LF	42" RC PIPE CULVERTS, CLASS III
			192	LF	48" RC PIPE CULVERTS, CLASS III
			164	LF	54" RC PIPE CULVERTS, CLASS III
			428	LF	60" RC PIPE CULVERTS, CLASS III
			520	LF	66" RC PIPE CULVERTS, CLASS III
			532	LF	*** RC PIPE CULVERTS, CLASS IV (48")
			156	LF	*** RC PIPE CULVERTS, CLASS IV (54")
			16,320	LF	15" RC PIPE CULVERTS, CLASS IV
			2,148	LF	18" RC PIPE CULVERTS, CLASS IV
			1,280	LF	24" RC PIPE CULVERTS, CLASS IV
			1,692	LF	30" RC PIPE CULVERTS, CLASS IV
			48	LF	36" RC PIPE CULVERTS, CLASS IV
			140	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")
			36	LF	*** CS PIPE CULVERTS, ***** THICK (48", 0.109")
			314	LF	*** CS PIPE CULVERTS, ***** THICK (60", 0.138")
			2,294	LF	15" CS PIPE CULVERTS, 0.064" THICK
			586	LF	18" CS PIPE CULVERTS, 0.064" THICK
			232	LF	24" CS PIPE CULVERTS, 0.064" THICK
			7	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
			1	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")

			20	TON	BLOTTING SAND		
			25	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		
178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	48.2	CY	ENDWALLS		
58	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (60", 0.875")	45.7	CY	REINFORCED ENDWALLS		
155	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (66", 0.875")	6.681	CY	PIPE COLLARS		
228	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (24", 0.500")	0.5	CY	PIPE PLUGS		
178	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	220.3	CY	FLOWABLE FILL		
58	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.875")	442	EA	MASONRY DRAINAGE STRUCTURES		
155	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (66", 0.875")	42.731	CY	MASONRY DRAINAGE STRUCTURES		
14,350	LF	PIPE REMOVAL	383.2	LF	MASONRY DRAINAGE STRUCTURES		
160	SY	6" SLOPE PROTECTION	19	EA	FRAME WITH GRATE, STD 840.22		
Lump Sum	LS	FINE GRADING	19	EA	FRAME WITH TWO GRATES, STD 840.33		
195,830	SY	LIME TREATED SOIL (SLURRY METHOD)	8	EA	FRAME WITH TWO GRATES, STD 840.16		
1,960	TON	LIME FOR LIME TREATED SOIL	112	EA	FRAME WITH TWO GRATES, STD 840.20		
4,500	CY	SHALLOW UNDERCUT	172	EA	FRAME WITH TWO GRATES, STD 840.22		
9,000	TON	CLASS IV SUBGRADE STABILIZATION	5	EA	FRAME WITH TWO GRATES, STD 840.24		
500	TON	STABILIZER AGGREGATE	6	EA	FRAME WITH TWO GRATES, STD 840.29		
121,000	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)		
130,560	SY	SOIL CEMENT BASE	30	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)		
3,591	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	41	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		
48,960	GAL	ASPHALT CURING SEAL	34	EA	FRAME WITH COVER, STD 840.54		
3,200	TON	INCIDENTAL STONE BASE	10	EA	STEEL FRAME WITH TWO GRATES, STD 840.37		
5,320	GAL	PRIME COAT	2	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET		
2,160	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (3")	4	EA	*** SLUICE GATE (8")		
3,740	SY	INCIDENTAL MILLING	18	LF	GENERIC DRAINAGE ITEM 4" PERFORATED OR SLOTTED DRAIN PIPE WITH GEOTEXTILE SOCK		
22,310	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	50	LF	GENERIC DRAINAGE ITEM 4" SOLID DRAIN PIPE		
19,950	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	640	LF	***X*** CONCRETE CURB (8" X 18")		
89,030	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	840	LF	***X*** CONCRETE CURB (9" X 18")		
21,430	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	650	LF	1'-6" CONCRETE CURB & GUTTER		
68,910	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	19,180	LF	2'-6" CONCRETE CURB & GUTTER		
5,470	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	12,121	LF	SHOULDER BERM GUTTER		
10	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	3,870	LF	CONCRETE EXPRESSWAY GUTTER		
1,100	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	7,620	SY	4" CONCRETE SIDEWALK		
140	TON	ULTRA-THIN BONDED WEARING COURSE	110	EA	CONCRETE CURB RAMP		
3,960	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT	1,130	SY	6" CONCRETE DRIVEWAY		
96,380	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	1,010	SY	4" CONCRETE PAVED DITCH		
65,200	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (12")	45	SY	4" CONCRETE ISLAND COVER		
2,000	SY	***** PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (12")	3,110	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)		
2,477	SY	***** PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (12")	160	LF	CONCRETE BARRIER, TYPE ***** (IV)		
120	LF	GENERIC PAVING ITEM PEDESTRIAN SAFETY RAIL	6	EA	CONCRETE BARRIER TRANSITION SECTION		
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	540	LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (II)		
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	2,800	LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (III)		
282	EA	RIGHT OF WAY MARKERS	7,400	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		
7,680	CY	SUBDRAIN EXCAVATION	864	SY	GENERIC PAVING ITEM 8" CONCRETE TRUCK APRON		
3,840	CY	SUBDRAIN FINE AGGREGATE	410	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION		
22,850	LF	6" PERFORATED SUBDRAIN PIPE	5	EA	ADJUSTMENT OF DROP INLETS		
46	EA	SUBDRAIN PIPE OUTLET	85	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES		
276	LF	6" OUTLET PIPE	1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX		
21,300	LF	SHOULDER DRAIN	9	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE		
21,300	LF	4" SHOULDER DRAIN PIPE	6	EA	GENERIC DRAINAGE ITEM CONVERT EXT CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX W/ MANHOLE		
1,100	LF	4" OUTLET PIPE FOR SHOULDER DRAINS	10	EA	IMPACT ATTENUATOR UNIT, TYPE 350		
15	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	40,750	LF	STEEL BM GUARDRAIL		
			100	LF	STEEL BM GUARDRAIL, SHOP CURVED		
			8	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS		

			665	CY	OVERHEAD FOOTING
			9,483	LB	SUPPORTS, BREAKAWAY STEEL BEAM
			4,960	LB	SUPPORTS, SIMPLE STEEL BEAM
50	EA	ADDITIONAL GUARDRAIL POSTS	7,315	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
7	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III-MOD)	26	EA	SUPPORTS, 2-LB STEEL U-CHANNEL
			15	EA	SUPPORTS, BARRIER (LARGE)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 1+40)
36	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 20+50)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 36+00)
54	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 59+00)
5	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEB- STA 59+00)
50	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEW- STA 45+70)
24,827	LF	REMOVE EXISTING GUARDRAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEW- STA 59+00)
4,850	LF	REMOVE EXISTING GUIDERAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEW- STA 69+00)
6,550	LF	TEMPORARY STEEL BM GUARDRAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEW- STA 26+85)
6	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEW- STA 38+05)
3	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-DFEW- STA 38+05)
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 114+02)
4	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 124+15)
360	LF	CABLE GUIDERAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 127+40)
12,670	LF	DOUBLE FACED CABLE GUIDERAIL	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 136+85)
40	EA	ADDITIONAL GUIDERAIL POSTS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 14+31)
21	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 142+20)
23,600	LF	WOVEN WIRE FENCE, 47" FABRIC	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 27+51)
1,510	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 28+93)
400	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 60+14)
4,100	LF	CHAIN LINK FENCE, *** FABRIC (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 62+33)
300	LF	CHAIN LINK FENCE, *** FABRIC (96")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 82+00)
6,100	LF	CHAIN LINK FENCE, 48" FABRIC	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 84+58)
360	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-L- STA 90+98)
30	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (96")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-LDFEB- STA 188+92)
550	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y1- STA 30+48)
50	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y1- STA 35+42)
4	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (96")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y2- STA 22+15)
40	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y3- STA 41+34)
4	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (60")	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (-Y3- STA 53+60)
500	LF	ADDITIONAL BARBED WIRE	26	EA	SIGN ERECTION, TYPE D
4	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (47", 12', 12')	313	EA	SIGN ERECTION, TYPE E
350	LF	GENERIC FENCING ITEM BLACK VINYL COATED CHAIN LINK FENCE, 48" FABRIC	40	EA	SIGN ERECTION, TYPE F
1	EA	GENERIC FENCING ITEM DOUBLE CATTLE GATE (47" HIGH, 10' WIDE, 20' OPENING)	7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
2	EA	GENERIC FENCING ITEM DOUBLE CATTLE GATE (60" HIGH, 10' WIDE, 20' OPENING)	8	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
900	LF	RELAPPING GUARDRAIL			
14,575	TON	RIP RAP, CLASS I			
3,800	TON	RIP RAP, CLASS II			
47,875	SY	GEOTEXTILE FOR DRAINAGE			
14	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			
2,600	TON	AGGREGATE BASE COURSE (SUB-BALLAST)			
500	TF	RAILROAD TRACK TO BE CONSTRUCTED			
1,790	TF	RAILROAD TRACK TO BE REMOVED			
1,071	TF	RAILROAD DETOUR TRACK TO BE CONSTRUCTED & REMOVED			
14	CY	REINFORCED CONCRETE SIGN FOUNDATIONS			
4	CY	PLAIN CONCRETE SIGN FOUNDATIONS			

			1,695	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			103	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			236	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
19	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)			
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)			
26	EA	SIGN ERECTION, MILEMARKERS			
6	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)			
5	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)			
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)			
10	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)			
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (LOGO TRAILBLAZER)			
10	EA	DISPOSAL OF SUPPORT, STEEL BEAM			
1	EA	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE			
3	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD			
10	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM			
150	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
10	EA	DISPOSAL OF SUPPORT, U-CHANNEL			
12	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)			
3	EA	DISPOSAL OF LIGHTING SYSTEM			
3	EA	DISPOSAL OF WALKWAY			
1	EA	GENERIC SIGNING ITEM DMS ACCESS LADDER			
1	EA	GENERIC SIGNING ITEM DMS PEDESTAL STRUCTURE			
Lump Sum	LS	GENERIC SIGNING ITEM INSTALL DMS & EQUIPMENT CABINET			
Lump Sum	LS	GENERIC SIGNING ITEM REMOVE EXISTING DMS			
3,577	SF	WORK ZONE SIGNS (STATIONARY)			
1,136	SF	WORK ZONE SIGNS (PORTABLE)			
384	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
8	EA	FLASHING ARROW BOARD			
8	EA	PORTABLE CHANGEABLE MESSAGE SIGN			
670	EA	DRUMS			
100	EA	CONES			
784	LF	BARRICADES (TYPE III)			
280	DAY	FLAGGER			
16	EA	TEMPORARY CRASH CUSHIONS			
26	EA	RESET TEMPORARY CRASH CUSHION			
6	EA	TMA			
39,100	LF	PORTABLE CONCRETE BARRIER			
1,000	LF	PORTABLE CONCRETE BARRIER (ANCHORED)			
51,000	LF	RESET PORTABLE CONCRETE BARRIER			
1,000	LF	RESET PORTABLE CONCRETE BARRIER (ANCHORED)			
2,914	LF	WATER FILLED BARRIER			
2,746	HR	LAW ENFORCEMENT			
285	EA	SKINNY DRUM			
10	EA	TUBULAR MARKERS (FIXED)			
1,750	LF	MOVABLE CONCRETE BARRIER			
1,200	LF	RESET MOVABLE CONCRETE BARRIER			
1	EA	TRANSFER & TRANSPORT VEHICLE			
3,873	EA	TEMPORARY RAISED PAVEMENT MARKERS			
23,485	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
46,770	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
107,955	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)			
19,215	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)			
2,005	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
2,715	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
14,115	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
5,965	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)			
			1,695	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
			103	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
			236	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
			540	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
			1,170	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
			10,844	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
			43,956	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
			1,135	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (12") (II)
			59	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (II)
			21	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
			5	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
			499,157	LF	PAINT PAVEMENT MARKING LINES (4")
			78,568	LF	PAINT PAVEMENT MARKING LINES (6")
			58,578	LF	PAINT PAVEMENT MARKING LINES (8")
			405	LF	PAINT PAVEMENT MARKING LINES (12")
			2,314	LF	PAINT PAVEMENT MARKING LINES (24")
			76	EA	PAINT PAVEMENT MARKING CHARACTER
			268	EA	PAINT PAVEMENT MARKING SYMBOL
			46,381	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
			9,845	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
			65,343	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			3,325	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
			1,730	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
			398	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
			12	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
			197	EA	PERMANENT RAISED PAVEMENT MARKERS
			4,487	EA	SNOWPLOWABLE PAVEMENT MARKERS
			13	EA	7' U-CHANNEL POSTS
			13	EA	OBJECT MARKERS (END OF ROAD)
			4	EA	80' HIGH MOUNT STANDARD
			9	EA	100' HIGH MOUNT STANDARD
			3	EA	120' HIGH MOUNT STANDARD
			1	EA	PORTABLE DRIVE UNIT
			110	CY	HIGH MOUNT FOUNDATIONS
			32	EA	HIGH MOUNT LUMINAIRES ***** (400W HPS)
			78	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
			3	EA	ELECTRIC SERVICE POLE ***** (30FT, CLASS 4)
			300	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
			3	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
			1,015	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")
			285	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (3")
			270	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (4")
			130	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")
			445	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")

			211	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL	
			36	LF	TRENCHLESS INSTALLATION OF 36" IN SOIL	
60	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (6")	36	LF	TRENCHLESS INSTALLATION OF 36" NOT IN SOIL	
1,085	LF	** #8 W/G FEEDER CIRCUIT (2)	1	EA	GENERIC UTILITY ITEM ABANDON/REMOVE SEWER LIFT STATION	
420	LF	** #6 W/G FEEDER CIRCUIT (2)	150,000	LF	TEMPORARY SILT FENCE	
1,155	LF	** #4 W/G FEEDER CIRCUIT (2)	3,000	TON	STONE FOR EROSION CONTROL, CLASS A	
540	LF	** #2 W/G FEEDER CIRCUIT (2)	30,000	TON	STONE FOR EROSION CONTROL, CLASS B	
3,045	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	50,000	TON	SEDIMENT CONTROL STONE	
2,045	LF	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	500	ACR	TEMPORARY MULCHING	
6,880	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	10,000	LB	SEED FOR TEMPORARY SEEDING	
2,850	LF	** #2 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5)	50	TON	FERTILIZER FOR TEMPORARY SEEDING	
32	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)	30,000	LF	TEMPORARY SLOPE DRAINS	
6	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)	10,000	LF	SAFETY FENCE	
5	EA	ELECTRICAL JUNCTION BOXES ***** (PC36)	112,370	CY	SILT EXCAVATION	
6	EA	UNDERPASS LUMINARIES ***** (150W HPS, TYPE WM)	285,890	SY	MATTING FOR EROSION CONTROL	
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (HOLLOWAY STREET, UPL-1)	5,000	SY	COIR FIBER MAT	
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (HOLLOWAY STREET, UPL-2)	20,185	SY	PERMANENT SOIL REINFORCEMENT MAT	
Lump Sum	LS	PORTABLE LIGHTING	40,000	LF	1/4" HARDWARE CLOTH	
Lump Sum	LS	GENERIC LIGHTING ITEM ELECTRICAL CONDUIT SYSTEM AT ANGIER AVENUE, ECS-3	500	LF	TEMPORARY PIPE FOR STREAM CROSSING	
23	CY	CLASS B CONCRETE FOR ENCASING UTILITY LINES	700	CY	STILLING BASINS	
1,117	LF	6" WATER LINE	30,000	LF	COIR FIBER WATTLE	
2,103	LF	8" WATER LINE	20,000	LB	POLYACRYLAMIDE (PAM)	
2,112	LF	12" WATER LINE	15,000	LF	COIR FIBER BAFFLE	
11	LF	16" WATER LINE	38	EA	*** SKIMMER (1-1/2")	
26	LF	20" WATER LINE	18	EA	*** SKIMMER (2")	
656	LF	30" WATER LINE	4	EA	*** SKIMMER (2-1/2")	
1	EA	6" VALVE	2	EA	*** SKIMMER (3")	
5	EA	8" VALVE	1	EA	*** SKIMMER (4")	
9	EA	12" VALVE	1	EA	*** SKIMMER (6")	
1	EA	16" VALVE	500	ACR	SEEDING & MULCHING	
1	EA	20" VALVE	250	ACR	MOWING	
1	EA	6" TAPPING VALVE	3,400	LB	SEED FOR REPAIR SEEDING	
1	EA	8" TAPPING VALVE	12	TON	FERTILIZER FOR REPAIR SEEDING	
1	EA	2" BLOW OFF	6,625	LB	SEED FOR SUPPLEMENTAL SEEDING	
41	EA	RELOCATE WATER METER	200	TON	FERTILIZER TOPDRESSING	
1	EA	RECONNECT WATER METER	200	LF	IMPERVIOUS DIKE	
4	EA	FIRE HYDRANT	220	MHR	SPECIALIZED HAND MOWING	
13	EA	RELOCATE FIRE HYDRANT	125	EA	RESPONSE FOR EROSION CONTROL	
6,001	LF	8" SANITARY GRAVITY SEWER	1,000	CY	CULVERT DIVERSION CHANNEL	
1,562	LF	12" SANITARY GRAVITY SEWER	6	ACR	REFORESTATION	
606	LF	16" SANITARY GRAVITY SEWER	20	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	
31	EA	4' DIA UTILITY MANHOLE	10	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	
5	EA	5' DIA UTILITY MANHOLE	7	ACR	GENERIC EROSION CONTROL ITEM COMPOST BLANKET	
120	LF	UTILITY MANHOLE WALL, 4' DIA	32	EA	PEDESTRIAN SIGNAL HEAD (***, ** SECTION) (16", 1 SECTION W/ COUNTDOWN & PUSHBUTTON INDICATOR LIGHT)	
66	LF	UTILITY MANHOLE WALL, 5' DIA	28,680	LF	SIGNAL CABLE	
12,493	LF	ABANDON 8" UTILITY PIPE	124	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	
2,221	LF	ABANDON 12" UTILITY PIPE	10	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)	
1,169	LF	ABANDON 16" UTILITY PIPE	8	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)	
669	LF	ABANDON 20" UTILITY PIPE	8,570	LF	MESSENGER CABLE (1/4")	
23	EA	REMOVE WATER METER	4,970	LF	MESSENGER CABLE (3/8")	
4	EA	REMOVE FIRE HYDRANT	12,400	LF	TRACER WIRE	
16	EA	ABANDON UTILITY MANHOLE	50	LF	PAVED TRENCHING (*****) (1, 2")	
33	EA	REMOVE UTILITY MANHOLE	2,065	LF	UNPAVED TRENCHING (*****) (1, 2")	
508	LF	*** ENCASEMENT PIPE (48")	10,185	LF	UNPAVED TRENCHING (*****) (2, 2")	
666	LF	16" ENCASEMENT PIPE	4,675	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN	
1,621	LF	24" ENCASEMENT PIPE	1,090	LF	DIRECTIONAL DRILL (*****) (1, 2")	
310	LF	36" ENCASEMENT PIPE	2,720	LF	DIRECTIONAL DRILL (*****) (2, 2")	
87	LF	TRENCHLESS INSTALLATION OF *** IN SOIL (48")	27	EA	JUNCTION BOX (STANDARD SIZE)	
87	LF	TRENCHLESS INSTALLATION OF *** NOT IN SOIL (48")	82	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)	
212	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL	33	EA	WOOD POLE	

			97,430	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
			16,225	TON	ASPHALT BINDER FOR PLANT MIX *** OR ***
82	EA	GUY ASSEMBLY			
3	EA	1/2" RISER WITH WEATHERHEAD	1,457,400	CY	UNCLASSIFIED EXCAVATION
7	EA	1" RISER WITH WEATHERHEAD	1,288,500	CY	BORROW EXCAVATION
36	EA	2" RISER WITH WEATHERHEAD	115,800	TON	AGGREGATE BASE COURSE
16	EA	2" RISER WITH HEAT SHRINK TUBING	144,870	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
18,060	LF	INDUCTIVE LOOP SAWCUT	18,310	TON	ASPHALT BINDER FOR PLANT MIX
49,860	LF	LEAD-IN CABLE (*****) (14-2)			*** END SCHEDULE AA ***
8,440	LF	COMMUNICATIONS CABLE (**FIBER) (12)			
8,020	LF	COMMUNICATIONS CABLE (**FIBER) (24)			
13,870	LF	COMMUNICATIONS CABLE (**FIBER) (72)			
4,600	LF	DROP CABLE			
11	EA	SPLICE ENCLOSURE			
11	EA	INTERCONNECT CENTER			
4	EA	FIBER-OPTIC TRANSCEIVER, SELF-HEALING RING			
48	EA	DELINEATOR MARKER			
2	EA	FIBER-OPTIC SPLICE CABINET (BASE MOUNTED)			
5	EA	900MHZ RADIO			
11	EA	NEW ELECTRICAL SERVICE	1,296	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
19,210	LF	REMOVE EXISTING COMMUNICATIONS CABLE	1,935.7	CY	CLASS A CONCRETE (CULVERT)
7	EA	CABLE TRANSFER	204,497	LB	REINFORCING STEEL (CULVERT)
8	EA	METAL STRAIN SIGNAL POLE			
2	EA	METAL POLE WITH SINGLE MAST ARM			
4	EA	METAL POLE WITH DUAL MAST ARM			
16	EA	SOIL TEST			
134	CY	DRILLED PIER FOUNDATION	1,710	SF	MSE RETAINING WALL NO **** (11)
8	EA	METAL STRAIN POLE DESIGN			
6	EA	MAST ARM WITH METAL POLE DESIGN	2,300	SF	MSE RETAINING WALL NO **** (12)
51	EA	SIGN FOR SIGNALS	6,700	SF	MSE RETAINING WALL NO **** (13)
2	EA	TYPE I POST WITH FOUNDATION			
13	EA	TYPE II PEDESTAL WITH FOUNDATION	7,650	SF	MSE RETAINING WALL NO **** (14)
9	EA	SIGNAL CABINET FOUNDATION			
78	EA	DETECTOR CARD (TYPE 170)	2,800	SF	MSE RETAINING WALL NO **** (15)
7	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	7,050	SF	MSE RETAINING WALL NO **** (16)
7	EA	CABINET BASE EXTENDER	14,700	SF	MSE RETAINING WALL NO **** (17)
3	EA	TRAFFIC SIGNAL REMOVAL			
3	EA	METAL POLE FOUNDATION REMOVAL	5,730	SF	MSE RETAINING WALL NO **** (1-A)
3	EA	METAL POLE REMOVAL	4,440	SF	MSE RETAINING WALL NO **** (1-B)
2	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY	5,020	SF	MSE RETAINING WALL NO **** (2)
1	EA	GENERIC SIGNAL ITEM CCTV CAMERA LOWERING SYSTEM	3,740	SF	MSE RETAINING WALL NO **** (3)
2	EA	GENERIC SIGNAL ITEM CCTV EQUIPMENT REMOVAL	11,180	SF	MSE RETAINING WALL NO **** (4)
1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE 50'	8,710	SF	MSE RETAINING WALL NO **** (5)
1	EA	GENERIC SIGNAL ITEM CCTV METAL POLE 70'	3,880	SF	MSE RETAINING WALL NO **** (6)
2	EA	GENERIC SIGNAL ITEM CCTV METAL POLE REMOVAL	13,650	SF	MSE RETAINING WALL NO **** (7)
2	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT	6,950	SF	SOIL NAIL RETAINING WALLS
4	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET	710	SF	SOLDIER PILE RETAINING WALLS
2	EA	GENERIC SIGNAL ITEM FIELD VIDEO ENCODER	3	EA	SOIL NAIL VERIFICATION TESTS
1	EA	GENERIC SIGNAL ITEM MVD METAL POLE	16	EA	SOIL NAIL PROOF TESTS
2	EA	GENERIC SIGNAL ITEM MVD POLE FOUNDATION REMOVAL	300	SF	CIP GRAVITY RETAINING WALLS
1	EA	GENERIC SIGNAL ITEM MVD RELOCATED TO NEW CCTV METAL POLE	17,895	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL
1	EA	GENERIC SIGNAL ITEM MVD RELOCATED TO NEW METAL MVD POLE	4,340	LF	GENERIC STRUCTURE ITEM CONC BARRIER RAIL WITH MOMENT SLAB
1	EA	GENERIC SIGNAL ITEM OPTICALLY ACTIVATED TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM			
1	EA	GENERIC SIGNAL ITEM PORTABLE CCTV LOWERING TOOL			
		***** BEGIN SCHEDULE AA ***** ***** (2 ALTERNATES) *****			
1,473,400	CY	UNCLASSIFIED EXCAVATION			
1,272,800	CY	BORROW EXCAVATION			
205,000	TON	AGGREGATE BASE COURSE			
			Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (34+62.88-DFEB- WID)
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+70.18-DFWB- WID)
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (28+50.89-RRDET-)
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (34+62.88-DFEB- WID)

CULVERT ITEMS

WALL ITEMS

STRUCTURE ITEMS

				Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (125+91.57-L-WBL)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (36+69.26-DFWB- WID)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (138+40.45-LDFEB-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (44+08.60-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (157+33.78-LDFEB-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (64+74.69-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+97.57-DFLW-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 1, 64+55.50-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+29.61-DFLY-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 1, 64+74.69-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+70.18-DFWB- WID)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 2, 64+55.50-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (34+62.88-DFEB- WID)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (ABUT 2, 64+74.69-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (36+69.26-DFWB- WID)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 24+70.18-DFWB- WID)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+08.60-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,105+29.00-L-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (85+26.52-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,138+40.45-LDFEB-)	1,253,792	LB	REINFORCING STEEL (BRIDGE)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,23+29.61-DFLY-)	31,943	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,23+29.61-DFLY-)	3,915	LB	EPOXY COATED SPIRAL COLUMN RE- INFORCING STEEL (BRIDGE)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (17+97.57-DFLW-)	119,490	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 105+29.00-L-)	3,155.8	LF	54" PRESTRESSED CONCRETE GIR- DERS	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 23+29.61-DFLY-)	7,516,065	LS	APPROX LBS STRUCTURAL STEEL	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 24+70.18-DFWB-WID)	Lump Sum	LS	POLLUTION CONTROL	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 24+70.18-DFWB-WID)	9,341	LF	HP12X53 STEEL PILES	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 105+29.00-L-)	495	LF	HP14X73 STEEL PILES	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 23+29.61-DFLY-)	56	EA	STEEL PILE POINTS	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 23+29.61-DFLY-)	202	SY	METHOD A WATERPROOFING	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 23+29.61-DFLY-)	521	LF	THREE BAR METAL RAIL	
238	LF	PILE EXCAVATION IN SOIL	7,295.12	LF	CONCRETE BARRIER RAIL	
362	LF	PILE EXCAVATION NOT IN SOIL	182.4	LF	CONCRETE MEDIAN BARRIER	
346.9	LF	3'-6" DIA DRILLED PIERS IN SOIL	330.56	LF	** CHAIN LINK FENCE (72")	
950.7	LF	4'-0" DIA DRILLED PIERS IN SOIL	8,855.1	SY	4" SLOPE PROTECTION	
224	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL	Lump Sum	LS	POT BEARINGS	
704	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL	Lump Sum	LS	ELASTOMERIC BEARINGS	
309.2	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER	435.5	CF	CONCRETE REPAIRS	
2	EA	PDA TESTING	190.53	CF	SHOTCRETE REPAIRS	
73	EA	SID INSPECTIONS	409	LF	EPOXY RESIN INJECTION	
109	EA	SPT TESTING	Lump Sum	LS	FOAM JOINT SEALS	
79	EA	CSL TESTING	Lump Sum	LS	EXPANSION JOINT SEALS	
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (24+70.18-DFWB- WID)	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (28+50.89-RRDET-)	
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (28+50.89-RRDET-)	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (64+55.50-L-)	
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (44+08.60-L-)	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA***** (64+74.9-L-)	
219,499	SF	REINFORCED CONCRETE DECK SLAB	Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL CONDUIT SYSTEM AT ROWENA AVE.	
310,120	SF	GROOVING BRIDGE FLOORS	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING EXISTING STRUCTURE	
4,345	CY	CLASS A CONCRETE (BRIDGE)	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING STRUCTURAL STEEL	
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (105+29.00-L-)	Lump Sum	LS	GENERIC STRUCTURE ITEM ROCKER BEARING ASSEMBLIES	
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (107+45.55-L-)	Lump Sum	LS	GENERIC STRUCTURE ITEM SELF-LUBRICATING EXPANSION BEARING ASSEMBLIES	
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (125+91.57-L-EBL)	Lump Sum	LS	GENERIC STRUCTURE ITEM SOUND BARRIER WALL (BRIDGE MOUNTED)	
			Lump Sum	LS	GENERIC STRUCTURE ITEM STEEL BEARING ASSEMBLIES	
			Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 1,042,750 LBS	
			Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 465,500 LBS	
			Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 714,223 LBS	
			Lump Sum	LS	GENERIC STRUCTURE ITEM STRUCTURAL STEEL, APPROX. 959,500 LBS	

			9	EA	GENERIC STRUCTURE ITEM BEARING REPLACEMENT
			26	EA	GENERIC STRUCTURE ITEM GIRDER JACKING
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMP SOLDIER PILE RET WALL FOR RR ABUT (ABUT 1, 25+69.00-RRDET-)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMP SOLDIER PILE RET WALL FOR RR ABUT (ABUT 2, 25+69.00-RRDET-)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY RAILROAD SHORING (138+40.45-LDFEB-)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY RAILROAD SHORING (17+97.57-DFLW-)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY RAILROAD SHORING (24+70.18-DFWB- WID)			
Lump Sum	LS	GENERIC STRUCTURE ITEM TREATED LUMBER DECK			
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM			
Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMETRIC MIXER			
	239.6	LF			GENERIC STRUCTURE ITEM 3'-0" DIA LFD DRILLED PIERS IN SOIL
		384	LF		GENERIC STRUCTURE ITEM 3'-0" DIA LFD DRILLED PIERS NOT IN SOIL
		333.2	LF		GENERIC STRUCTURE ITEM 3'-6" DIA LFD DRILLED PIERS IN SOIL
		140	LF		GENERIC STRUCTURE ITEM 3'-6" DIA LFD DRILLED PIERS NOT IN SOIL
		103.8	LF		GENERIC STRUCTURE ITEM 4'-0" DIA LFD DRILLED PIERS IN SOIL
		208	LF		GENERIC STRUCTURE ITEM 4'-0" DIA LFD DRILLED PIERS NOT IN SOIL
	1,640.2	LF			GENERIC STRUCTURE ITEM CONCRETE PARAPET
		911	LF		GENERIC STRUCTURE ITEM METAL HANDRAIL(ALUMINUM)
		12	LF		GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 1, 25+69.00-RRDET-)
		12	LF		GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 2, 25+69.00-RRDET-)
		12	LF		GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 6, 25+69.00-RRDET-)
		12	LF		GENERIC STRUCTURE ITEM TEMP STEEL CASING AS SHORING (PIER 7, 25+69.00-RRDET-)
	943.5	CY			GENERIC STRUCTURE ITEM CLASS AA CONCRETE (AS MODIFIED BY RAILWAY)
		111	CY		GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE
		252	CY		GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH
		281	CF		GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR
	42,000	LB			GENERIC STRUCTURE ITEM STRUCTURAL STEEL FOR GIRDER REPAIR
		982.5	SF		GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
		4,716	SF		GENERIC STRUCTURE ITEM DAMPROOFING (RR STRUCTURES)
		4,239	SF		GENERIC STRUCTURE ITEM EPOXY PROTECTIVE COATING
		470	SF		GENERIC STRUCTURE ITEM JOINT REPAIR
	15,159	SF			GENERIC STRUCTURE ITEM WATERPROOFING (RR STRUCTURES)
		5,756	SY		GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
		2,263	SY		GENERIC STRUCTURE ITEM PLACING & FINISHING LATEX MODIFIED CONCRETE
		4,888	SY		GENERIC STRUCTURE ITEM PLACING & FINISHING LMC - VERY EARLY STRENGTH
		5,756	SY		GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
		3,850	SY		GENERIC STRUCTURE ITEM SHOTCRETE SLOPE PROTECTION
		4	EA		GENERIC STRUCTURE ITEM ANCHOR BOLT REPLACEMENT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L141021 002

CONTRACT ID : C203484

34839.3.GVS4

DIV OFFICE WINSTON-SALEM

LENGTH = 4.057 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, ITS, AND STRS.

DBE GOAL 14.0% COMPLETION DATE : APR 30 2019

WINSTON-SALEM NORTHERN BELTWAY (EASTERN SECTION) FROM US-158 TO I-40 BUS/US-421.

ROADWAY ITEMS					
			3,500	SY	ROCK PLATING
			6,836	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
Lump Sum	LS	MOBILIZATION	23,076	SY	FOUNDATION CONDITIONING GEOTEXTILE
Lump Sum	LS	CONSTRUCTION SURVEYING			
1	HR	SUPPLEMENTAL FIELD SURVEYING	4,352	LF	*** SIDE DRAIN PIPE (30")
Lump Sum	LS	FIELD OFFICE			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	864	LF	*** SIDE DRAIN PIPE (36")
5	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2,172	LF	*** SIDE DRAIN PIPE (42")
29	EA	SEALING ABANDONED WELLS	52	LF	*** SIDE DRAIN PIPE (48")
3,571,000	CY	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+10.18-Y4RPA-)	84	LF	*** SIDE DRAIN PIPE (54")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+20.21-Y2-)	604	LF	*** SIDE DRAIN PIPE (60")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+54.25-Y5-)	12,240	LF	15" SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (26+48.62-Y4RPBD-)	5,968	LF	18" SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+75.85-Y5-)	4,348	LF	24" SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (33+16.49-Y4CD-)	72	EA	*** SIDE DRAIN PIPE ELBOWS (15")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (34+08.68-Y1-)	20	EA	*** SIDE DRAIN PIPE ELBOWS (18")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (44+18.64-Y4RPBD-)	7	EA	*** SIDE DRAIN PIPE ELBOWS (24")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (46+83.44-Y4CD-)	7	EA	*** SIDE DRAIN PIPE ELBOWS (30")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (53+21.16-Y4RPBD-)	2	EA	*** SIDE DRAIN PIPE ELBOWS (36")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (556+85.00-L-LT)	484	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (18")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (584+17.77-L-LT)	380	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (36")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (584+24.18-L-RT)	1,308	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (42")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (628+57.75-L-RT)	1,276	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (48")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (628+74.47-L-LT)	308	LF	*** RC PIPE CULVERTS, CONTRACTOR DESIGN (60")
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+75.24-L-LT)	408	LF	*** RC PIPE CULVERTS, CLASS ***** (24", V)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	460	LF	*** RC PIPE CULVERTS, CLASS ***** (30", V)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	472	LF	*** RC PIPE CULVERTS, CLASS ***** (36", V)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	368	LF	*** RC PIPE CULVERTS, CLASS ***** (54", V)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	324	LF	*** RC PIPE CULVERTS, CLASS ***** (72", V)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	4,292	LF	15" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	2,644	LF	18" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (642+80.18-L-RT)	1,080	LF	24" RC PIPE CULVERTS, CLASS III
7,500	CY	UNDERCUT EXCAVATION	1,064	LF	30" RC PIPE CULVERTS, CLASS III
2,900,000	CY	BORROW EXCAVATION			
31,000	CY	DRAINAGE DITCH EXCAVATION	380	LF	36" RC PIPE CULVERTS, CLASS III
2,860	LF	BERM DITCH CONSTRUCTION	104	LF	42" RC PIPE CULVERTS, CLASS III
87,000	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	124	LF	48" RC PIPE CULVERTS, CLASS III
18,000	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	528	LF	*** RC PIPE CULVERTS, CLASS IV (48")
120	HR	PROOF ROLLING			
23,000	CY	SELECT GRANULAR MATERIAL			
47,100	SY	GEOTEXTILE FOR SOIL STABILIZATION	1,020	LF	*** RC PIPE CULVERTS, CLASS IV (60")
6,000	SF	TEMPORARY SHORING			
1,000	TON	ROCK EMBANKMENTS	3,780	LF	15" RC PIPE CULVERTS, CLASS IV
820	SY	GEOTEXTILE FOR ROCK EMBANKMENTS	1,540	LF	18" RC PIPE CULVERTS, CLASS IV

			13,445	TON	ASPHALT BINDER FOR PLANT MIX
			235	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
404	LF	24" RC PIPE CULVERTS, CLASS IV	48,100	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
880	LF	30" RC PIPE CULVERTS, CLASS IV	257,000	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (12-1/2")
504	LF	42" RC PIPE CULVERTS, CLASS IV	11,000	SY	***** PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (12-1/2")
172	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	41,100	LF	GENERIC PAVING ITEM MILLED RUMBLE STRIPS (CONC. SHLD.)
28	LF	*** CS PIPE CULVERTS, ***** THICK (42", 0.109")	39,000	SY	GENERIC PAVING ITEM NONWOVEN GEOTEXTILE INTERLAYER
260	LF	*** CS PIPE CULVERTS, ***** THICK (54", 0.109")	Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
1,256	LF	15" CS PIPE CULVERTS, 0.064" THICK	51,000	SY	CONCRETE SHOULDERS ADJACENT TO ***** PAVEMENT (12-1/2")
588	LF	18" CS PIPE CULVERTS, 0.064" THICK	Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
368	LF	24" CS PIPE CULVERTS, 0.064" THICK	245	EA	RIGHT OF WAY MARKERS
164	LF	30" CS PIPE CULVERTS, 0.079" THICK	2,688	CY	SUBDRAIN EXCAVATION
10	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	12,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
3	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	2,016	CY	SUBDRAIN COARSE AGGREGATE
2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	12,000	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	*** CS PIPE ELBOWS, ***** THICK (42", 0.109")	24	EA	SUBDRAIN PIPE OUTLET
92	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	144	LF	6" OUTLET PIPE
100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36", 0.500")	22,800	LF	SHOULDER DRAIN
348	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.625")	22,800	LF	4" SHOULDER DRAIN PIPE
180	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (48", 0.625")	840	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
92	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	10	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	20	TON	BLOTTING SAND
348	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")	88.5	CY	ENDWALLS
180	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.625")	33	CY	REINFORCED ENDWALLS
92	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	13	CY	PIPE COLLARS
100	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	3	CY	PIPE PLUGS
348	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")	20	CY	FLOWABLE FILL
180	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (48", 0.625")	365	EA	MASONRY DRAINAGE STRUCTURES
548	LF	GENERIC PIPE ITEM 8" DUCTILE IRON PIPE	34	CY	MASONRY DRAINAGE STRUCTURES
4,363	LF	PIPE REMOVAL	242	LF	MASONRY DRAINAGE STRUCTURES
800	SY	6" SLOPE PROTECTION	6	EA	FRAME WITH GRATE, STD 840.22
Lump Sum	LS	FINE GRADING	1	EA	FRAME WITH TWO GRATES, STD 840.16
130,610	SY	LIME TREATED SOIL (SLURRY METHOD)	75	EA	FRAME WITH TWO GRATES, STD 840.20
1,380	TON	LIME FOR LIME TREATED SOIL	231	EA	FRAME WITH TWO GRATES, STD 840.22
505	TON	#57 STONE	10	EA	FRAME WITH TWO GRATES, STD 840.24
5,000	CY	SHALLOW UNDERCUT	18	EA	FRAME WITH TWO GRATES, STD 840.29
9,500	TON	CLASS IV SUBGRADE STABILIZATION	5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
1,000	TON	STABILIZER AGGREGATE	3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
275,035	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION	8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
90,000	TON	AGGREGATE BASE COURSE	27	EA	FRAME WITH COVER, STD 840.54
195,910	SY	SOIL CEMENT BASE	2	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
5,486	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	1	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET
48,980	GAL	ASPHALT CURING SEAL	2,420	LF	1'-6" CONCRETE CURB & GUTTER
2,000	TON	INCIDENTAL STONE BASE	5,260	LF	2'-6" CONCRETE CURB & GUTTER
2,240	GAL	PRIME COAT	12,000	LF	SHOULDER BERM GUTTER
2,650	SY	INCIDENTAL MILLING	6	EA	MODIFIED CONCRETE FLUME
57,000	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	140	SY	6" CONCRETE DRIVEWAY
71,500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	260	SY	4" CONCRETE PAVED DITCH
12,500	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	400	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
40,000	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	12,970	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
12,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	4	EA	ADJUSTMENT OF MANHOLES
51,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	3	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX
23,000	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	14	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING OTCB TO 2GI
			1	EA	IMPACT ATTENUATOR UNIT, TYPE 350
			98,212.5	LF	STEEL BM GUARDRAIL
			212.5	LF	STEEL BM GUARDRAIL, SHOP CURVED
			16	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10	EA	ADDITIONAL GUARDRAIL POSTS

			2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
44	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	16	EA	SIGN ERECTION, MILEMARKERS
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
73	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	1	EA	DISPOSAL OF SUPPORT, OVERHEAD STRUCTURE
2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	8	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
68	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	48	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
37,138	LF	REMOVE EXISTING GUARDRAIL	2,342	SF	WORK ZONE SIGNS (STATIONARY)
57,800	LF	WOVEN WIRE FENCE, 47" FABRIC	1,147	SF	WORK ZONE SIGNS (PORTABLE)
3,670	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	1,183	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
840	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	4	EA	FLASHING ARROW BOARD
500	LF	ADDITIONAL BARBED WIRE	14	EA	PORTABLE CHANGEABLE MESSAGE SIGN
3,100	TON	RIP RAP, CLASS I	379	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
1,250	TON	RIP RAP, CLASS II	880	EA	DRUMS
20	TON	RIP RAP, CLASS A	50	EA	CONES
5,940	TON	RIP RAP, CLASS B	1,200	LF	BARRICADES (TYPE III)
135	TON	BOULDERS	2,224	HR	FLAGGER
29,850	SY	GEOTEXTILE FOR DRAINAGE	10	EA	TEMPORARY CRASH CUSHIONS
11	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	4	EA	RESET TEMPORARY CRASH CUSHION
10	CY	REINFORCED CONCRETE SIGN FOUN- DATIONS	4	EA	TMA
406	CY	OVERHEAD FOOTING	2,715	LF	PORTABLE CONCRETE BARRIER
3,151	LB	SUPPORTS, BREAKAWAY STEEL BEAM	23,400	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
4,261	LB	SUPPORTS, SIMPLE STEEL BEAM	5,270	LF	RESET PORTABLE CONCRETE BAR- RIER (ANCHORED)
3,333	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	406	HR	LAW ENFORCEMENT
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (A - 28+00 -Y1RPA-)	120	EA	TUBULAR MARKERS (FIXED)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (B - 502+50 -L-)	375	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (C - 531+00 -L-)	130	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (D - 586+50 -L-)	4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (E - 595+00 -L-)	60	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (F - 610+00 -L-)	128,435	LF	PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (G - 610+00 -L-)	300,040	LF	PAINT PAVEMENT MARKING LINES (6")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (H - 92+50 -Y4-)	345	LF	PAINT PAVEMENT MARKING LINES (8")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (I - 89+50 -Y4-)	7,982	LF	PAINT PAVEMENT MARKING LINES (12")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (J - 43+00 -Y4CD-)	84	LF	PAINT PAVEMENT MARKING LINES (24")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (K - 42+00 -Y4-)	32,503	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (L - 72+00 -Y4-)	174,105	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (M - 113+00 -Y4-)	5,570	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (N - 322' FRM S MAIN ST EXIT)	6,347	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (O - 19+50 -Y4-)	156	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (P - 144' FROM LINVILLE RD EXIT)	1,593	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (Q - 280' +/- FROM ROUTE MARKERS)	24	EA	7" U-CHANNEL POSTS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUC- TURE AT STA ***** (R - 36+50 -Y1-)	90	EA	FLEXIBLE DELINEATORS (CRYSTAL)
9	EA	SIGN ERECTION, TYPE D	56	EA	FLEXIBLE DELINEATORS (YELLOW)
124	EA	SIGN ERECTION, TYPE E	5	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
10	EA	SIGN ERECTION, TYPE F	5	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
8	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	24	EA	OBJECT MARKERS (END OF ROAD)
			Lump Sum	LS	PORTABLE LIGHTING
			1,423	LF	6" WATER LINE
			1,125	LF	8" WATER LINE
			2,520	LF	12" WATER LINE
			1,637	LF	16" WATER LINE
			420	LF	20" WATER LINE
			3	EA	6" VALVE
			3	EA	8" VALVE
			2	EA	12" VALVE
			2	EA	16" VALVE
			3	EA	6" TAPPING VALVE
			3	EA	1" AIR RELEASE VALVE
			3	EA	RELOCATE WATER METER
			8	EA	RELOCATE FIRE HYDRANT
			1,165	LF	8" SANITARY GRAVITY SEWER
			511	LF	16" SANITARY GRAVITY SEWER
			724	LF	18" SANITARY GRAVITY SEWER
			1,554	LF	24" SANITARY GRAVITY SEWER

			45	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
			88	EA	WOOD POLE
			40	EA	GUY ASSEMBLY
			2	EA	1" RISER WITH WEATHERHEAD
			9	EA	2" RISER WITH WEATHERHEAD
			6	EA	2" RISER WITH HEAT SHRINK TUBING
367	LF	30" SANITARY GRAVITY SEWER	1,350	LF	INDUCTIVE LOOP SAWCUT
13	EA	4' DIA UTILITY MANHOLE	4,300	LF	LEAD-IN CABLE (*****) (14-2)
11	EA	5' DIA UTILITY MANHOLE	26,023	LF	COMMUNICATIONS CABLE (**FIBER) (144)
4	EA	6' DIA UTILITY MANHOLE	24,601	LF	COMMUNICATIONS CABLE (**FIBER) (72)
40	LF	UTILITY MANHOLE WALL, 4' DIA	1,639	LF	DROP CABLE
133	LF	UTILITY MANHOLE WALL, 5' DIA	7	EA	SPLICE ENCLOSURE
16	LF	UTILITY MANHOLE WALL, 6' DIA	2	EA	MODIFY SPLICE ENCLOSURE
1,423	LF	ABANDON 8" UTILITY PIPE	5	EA	INTERCONNECT CENTER
100	LF	ABANDON 12" UTILITY PIPE	49	EA	DELINEATOR MARKER
900	LF	ABANDON 16" UTILITY PIPE	2	EA	900MHZ RADIO
1,003	LF	ABANDON 18" UTILITY PIPE	7	EA	NEW ELECTRICAL SERVICE
415	LF	ABANDON 20" UTILITY PIPE	24,611	LF	REMOVE EXISTING COMMUNICATIONS CABLE
1,333	LF	ABANDON 24" UTILITY PIPE	4	EA	SOIL TEST
20	LF	ABANDON 30" UTILITY PIPE	32	CY	DRILLED PIER FOUNDATION
8	EA	REMOVE WATER METER	5	EA	SIGN FOR SIGNALS
7	EA	REMOVE FIRE HYDRANT	2	EA	SIGNAL CABINET FOUNDATION
7	EA	ABANDON UTILITY MANHOLE	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
13	EA	REMOVE UTILITY MANHOLE	6	EA	DETECTOR CARD (TYPE 2070L)
810	LF	16" ENCASEMENT PIPE	2	EA	CABINET BASE EXTENDER
300	LF	24" ENCASEMENT PIPE	4	EA	GENERIC SIGNAL ITEM 10KVA SINGLE PHASE TRANSFORMER
810	LF	30" ENCASEMENT PIPE	27	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE
52	LF	GENERIC UTILITY ITEM ANCHOR SEWER MAIN TO PROPOSED CULVERT	1	EA	GENERIC SIGNAL ITEM CARD CAGES
1	EA	GENERIC UTILITY ITEM REMOVE BLOWOFF ASSEMBLY	5	EA	GENERIC SIGNAL ITEM CCTV CABINET
249,000	LF	TEMPORARY SILT FENCE	5	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
5,375	TON	STONE FOR EROSION CONTROL, CLASS A	2	EA	GENERIC SIGNAL ITEM CCTV CAMERA LOWERING SYSTEM
83,520	TON	STONE FOR EROSION CONTROL, CLASS B	1	EA	GENERIC SIGNAL ITEM CCTV EXTENSION POLE
51,665	TON	SEDIMENT CONTROL STONE	2	EA	GENERIC SIGNAL ITEM CCTV METAL POLE (50')
500	ACR	TEMPORARY MULCHING	2	EA	GENERIC SIGNAL ITEM CCTV METAL POLE (70')
82,400	LB	SEED FOR TEMPORARY SEEDING	1	EA	GENERIC SIGNAL ITEM COMMUNICATIONS RACK
357	TON	FERTILIZER FOR TEMPORARY SEEDING	6	EA	GENERIC SIGNAL ITEM DIGITAL HARDWARE VIDEO DECODER
25,000	LF	TEMPORARY SLOPE DRAINS	6	EA	GENERIC SIGNAL ITEM DIGITAL HARDWARE VIDEO ENCODER
65,400	LF	SAFETY FENCE	2	EA	GENERIC SIGNAL ITEM DMS
168,600	CY	SILT EXCAVATION	3	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER
600,000	SY	MATTING FOR EROSION CONTROL	1	EA	GENERIC SIGNAL ITEM DMS OVERHEAD ASSEMBLY
3,150	SY	COIR FIBER MAT	2	EA	GENERIC SIGNAL ITEM DMS PEDESTAL ASSEMBLY
10,000	SY	PERMANENT SOIL REINFORCEMENT MAT	2	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET BASE EXTENDER
16,350	LF	1/4" HARDWARE CLOTH	7	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT
125	LF	TEMPORARY PIPE FOR STREAM CROSSING	2	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET FOUNDATION
335	SY	FLOATING TURBIDITY CURTAIN	7	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
2,000	CY	STILLING BASINS	1	EA	GENERIC SIGNAL ITEM FURNISH CCTV ASSEMBLY
20	EA	SPECIAL STILLING BASINS	2	EA	GENERIC SIGNAL ITEM FURNISH DIGITAL HARDWARE VIDEO DECODER
15,600	LF	COIR FIBER WATTLE	2	EA	GENERIC SIGNAL ITEM FURNISH DIGITAL HARDWARE VIDEO ENCODER
11,150	LB	POLYACRYLAMIDE (PAM)	1	EA	GENERIC SIGNAL ITEM FURNISH ETHERNET EDGE SWITCH
50,000	LF	COIR FIBER BAFFLE	1	EA	GENERIC SIGNAL ITEM HUB CABINET
131	EA	*** SKIMMER (1-1/2")	1	EA	GENERIC SIGNAL ITEM HUB SPLICE CENTER
12	EA	*** SKIMMER (2")	1	EA	GENERIC SIGNAL ITEM MANAGED ETHERNET CORE SWITCH MODIFICATIONS
2	EA	*** SKIMMER (2-1/2")	1	EA	GENERIC SIGNAL ITEM MANAGED ETHERNET ROUTING SWITCH
600	ACR	SEEDING & MULCHING	1	EA	GENERIC SIGNAL ITEM MODIFY NETWORK MANAGEMENT SOFTWARE
300	ACR	MOWING			
7,200	LB	SEED FOR REPAIR SEEDING			
28.75	TON	FERTILIZER FOR REPAIR SEEDING			
14,350	LB	SEED FOR SUPPLEMENTAL SEEDING			
430	TON	FERTILIZER TOPDRESSING			
1,500	LF	IMPERVIOUS DIKE			
515	MHR	SPECIALIZED HAND MOWING			
150	EA	RESPONSE FOR EROSION CONTROL			
7,000	CY	CULVERT DIVERSION CHANNEL			
10	ACR	REFORESTATION			
1	ACR	STREAMBANK REFORESTATION			
1,750	LF	SIGNAL CABLE			
13	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
12,699	LF	MESSENGER CABLE (1/4")			
1,200	LF	MESSENGER CABLE (3/8")			
270	LF	BORE & JACK (*****) (1, 6")			
33,556	LF	TRACER WIRE			
1,225	LF	UNPAVED TRENCHING (*****) (1, 2")			
386	LF	DIRECTIONAL DRILL (*****) (1, 2")			
10,001	LF	DIRECTIONAL DRILL (*****) (2, 2")			
11	EA	JUNCTION BOX (*****) (SPECIAL SIZED)			
27	EA	JUNCTION BOX (STANDARD SIZE)			

				Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,46+87.16-Y4CD-)
1	EA	GENERIC SIGNAL ITEM PORTABLE CCTV		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+94.28-Y4RPBD-)
1	EA	GENERIC SIGNAL ITEM PORTABLE CCTV LOWERING TOOL		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,642+81.42-L-LT)
1	EA	GENERIC SIGNAL ITEM SOLAR POWER ASSEMBLY		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,642+81.42-L-RT)
Lump Sum	LS	GENERIC SIGNAL ITEM DMS (REMOVE AND REINSTALL)		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,584+36.24-L-LT)
3,178	LF	GENERIC SIGNAL ITEM 3-WIRE FEEDER CONDUCTORS		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,584+36.24-L-RT)
785	LF	GENERIC SIGNAL ITEM 4-WIRE FEEDER CONDUCTORS		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,628+65.50-L-LT)
2,655	LF	GENERIC SIGNAL ITEM UNDERGROUND CONDUIT (1, 2")		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,628+65.50-L-RT)
23,460	LF	GENERIC SIGNAL ITEM UNDERGROUND CONDUIT (2, 2")		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,28+50.16-Y5-)
16	CY	GENERIC SIGNAL ITEM OVERHEAD SIGN ASSEMBLY FOOTINGS		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,33+15.67-Y4CD-)

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (23+11.00-Y1-)		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,52+94.28-Y4RPBD-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (23+11.00-Y1-)		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,28+50.16-Y5-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (559+74.00-L-)		Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,17+10.00-Y4RPA-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (615+45.00-L-)	64	LF	PILE EXCAVATION IN SOIL	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (667+15.00-L-)	78	LF	PILE EXCAVATION NOT IN SOIL	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (STA. 45+65.43 -Y4-)	71.8	LF	**_*_*_*_* DIA DRILLED PIERS IN SOIL (4'-6")	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (STA. 45+65.43 -Y4-)	260	LF	**_*_*_*_* DIA DRILLED PIERS IN SOIL (5'-0")	
3,438	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT		74.6	LF	**_*_*_*_* DIA DRILLED PIERS IN SOIL (5'-6")
9,004	CY	CLASS A CONCRETE (CULVERT)		820	LF	4'-0" DIA DRILLED PIERS IN SOIL
820,225	LB	REINFORCING STEEL (CULVERT)		65	LF	**_*_*_*_* DIA DRILLED PIERS NOT IN SOIL (4'-6")
Lump Sum	LS	GENERIC CULVERT ITEM PLACEMENT OF NATURAL STREAM BED MATERIAL		103	LF	**_*_*_*_* DIA DRILLED PIERS NOT IN SOIL (5'-0")

WALL ITEMS

6,334	SF	MSE RETAINING WALL NO **** (1)		34	LF	**_*_*_*_* DIA DRILLED PIERS NOT IN SOIL (5'-6")
850	SF	SOLDIER PILE RETAINING WALLS		219	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
500	LF	GENERIC RETAINING WALL ITEM CONCRETE BARRIER RAIL WITH MOM ENT SLAB		51	LF	PERMANENT STEEL CASING FOR **_*_*_*_* DIA DRILLED PIER (4'-6")
7,900	SF	GENERIC RETAINING WALL ITEM ANCHORED SOLDIER PILE WALLS		204	LF	PERMANENT STEEL CASING FOR **_*_*_*_* DIA DRILLED PIER (5'-0")
255,982	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL		345.6	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,52+94.28-Y4RPBD-)		12	EA	PDA TESTING
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,17+10.00-Y4RPA-)	225,152	6	EA	SID INSPECTIONS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,482+13.14 -L-)	42,278	1	EA	SPT TESTING
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,516+31.30-L-)	7	EA	CSL TESTING	
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,584+36.24 -L-LT)	285,922	225,152	SF	REINFORCED CONCRETE DECK SLAB
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,584+36.24-L-RT)	5,746.3	42,278	SF	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,28+50.16-Y5-)	5,746.3	285,922	SF	GROOVING BRIDGE FLOORS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,28+50.16-Y5-)		5,746.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,44+08.64-Y4RPBD-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+10.00-Y4RPA-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,44+08.64-Y4RPBD-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+59.12-Y5-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,44+08.64-Y4RPBD-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (26+60.00-Y4RPBD-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,44+08.64-Y4RPBD-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+50.16-Y5-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,44+08.64-Y4RPBD-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (33+15.67-Y4CD-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,44+08.64-Y4RPBD-)		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+08.64-Y4RPBD-)

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (46+87.16-Y4CD-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (482+13.14-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (516+31.30-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+94.28-Y4RPBD-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (556+85.00-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (556+85.00-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (584+36.24-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (584+36.24-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (628+65.50-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (628+65.50-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (642+81.42-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (642+81.42-L-RT)
1,162,502	LB	REINFORCING STEEL (BRIDGE)
153,179	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
5,829.92	LF	54" PRESTRESSED CONCRETE GIR- DERS
8,411.03	LF	MODIFIED 63" PRESTRESSED CONC GIRDERS
11,704.64	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
445,000	LS	APPROX LBS STRUCTURAL STEEL
33,074	LF	HP12X53 STEEL PILES
4,380	LF	HP14X73 STEEL PILES
265	EA	STEEL PILE POINTS
242	LF	PREDRILLING FOR PILES
1,023.62	LF	TWO BAR METAL RAIL
8,793.23	LF	CONCRETE BARRIER RAIL
1,056	LF	1'-***X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
9,172	SY	4" SLOPE PROTECTION
20,827	TON	RIP RAP CLASS II (2'-0" THICK)
23,135	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	DISC BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM SOUND BARRIER WALL (BRIDGE MOUNTED)
3,592.2	SF	GENERIC STRUCTURE ITEM CONCRETE SIMULATED STONE FORM LINER
18,581.1	SF	GENERIC STRUCTURE ITEM CONCRETE STAINING
8	EA	GENERIC STRUCTURE ITEM CONCRETE MEDALLION PANEL