



PAT McCRORY  
Governor

NICHOLAS J. TENNYSON  
Secretary

October 6, 2015

NOTICE TO: All Prequalified Contractors  
FROM: R. A. Garris, PE  
State Contract Officer  
SUBJECT: Raleigh Central Highway Letting

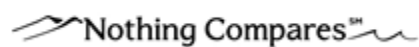
The Highway Letting broadcast of bid opening has changed to a new format. The new method is broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

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](http://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.






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January 19, 2016

NOTICE TO: All Prequalified Contractors  
FROM: R. A. Garris, PE   
State Contract Officer  
SUBJECT: Asbestos Inspection Prior to Bridge Demolition

Effective with the February 16, 2016 letting, a new project special provision entitled *Asbestos Assessment for Bridge Demolition and Renovation* will be included in any contract containing a structure removal line item. A contract line item for payment of this work will also be included in the contract.

The United States Environmental Protection Agency (EPA) has provided clarification of the asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation as it applies to bridges, identifying them as regulated structures. As such, a thorough inspection is required for the presence of asbestos.

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



**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 AUGUST 16, 2016. 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 JULY 19, 2016.  
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.

<b><u>DIV NO.</u></b>	<b><u>DIVISION ENGINEER</u></b>	<b><u>LOCATION</u></b>	<b><u>TOWN</u></b>	<b><u>TELEPHONE</u></b>
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 Collette, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Timothy M Little, 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	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	Mark E Stafford, 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** L160816

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
*001	C203789	40233.3.1	PENDER	0.929 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
002	C203770	38367.3.FD1	BRUNSWICK	0.113 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
003	C203868	52038.3.1	NEW HANOVER	7.442 MI	MILLING, RESURF, SHDR RECON, SIGNALS, BRG APPR & JT REPAIR.
004	C203888	2017CPT.03.01.10651 ETC.	NEW HANOVER	2.210 MI	GRADING, DRAINAGE, MILLING, PAVING & SIGNALS.
005	C203914	53029.3.1	GUILFORD, RANDOLPH	7.400 MI	PAVEMENT AND BRIDGE REHABILITATION.
006	C203821	34605.3.2	ALLEGHANY	0.650 MI	GRADING, DRAINAGE, PAVING, RETAINING WALLS, AND STRUCTURES.
007	C203913	42303.3.FD1	IREDELL	0.443 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
008	C203912	2017CPT.13.02.10121 ETC.	BURKE	78.750 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
009	C203900	2017CPT.13.07.11001 ETC.	YANCEY	32.500 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
010	C203911	2017CPT.14.01.10441.1 ETC.	HAYWOOD, JACKSON, SWAIN	25.590 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
011	C203909	2017CPT.14.02.10451.1 ETC.	HENDERSON, POLK, TRANSYLVANIA	64.110 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
012	C203910	2017CPT.14.03.10221.1 ETC.	CLAY, JACKSON, SWAIN, CHEROKEE, GRAHAM, MACON	57.209 MI	MILLING, RESURFACING, WIDENING, AND SHOULDER RECONSTRUCTION.

**Bid Letting Number** L160920

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C203792	34820.3.30	GUILFORD	1.873 MI	GRADING, DRAINAGE, PAVING, ITS, SIGNALS & STRUCTURES.

**PLEASE NOTE:**

\*C203789, PENDER COUNTY, B-4929, 40233.3.1 HAS A MANDATORY PRE-BID CONFERENCE AT 10:00AM ON WEDNESDAY, JULY 20, 2016 AT SURF CITY WELCOME CENTER, 102 NORTH SHORE DRIVE, SURF CITY, NC 28445, (910) 341-2000.

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 001

CONTRACT ID : C203789 40233.3.1

DIV OFFICE CASTLE HAYNE

LENGTH = 0.929 MI

COUNTY : PENDER

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

MBE GOAL 1.0% WBE 3.0% COMPLETION DATE : NOV 11 2020

BRIDGE #16 OVER INTRACOASTAL WATERWAY ON NC-50/210.

		ROADWAY ITEMS			
		790	LF	***X*** CONCRETE CURB (9" X 18")	
		560	LF	1'-6" CONCRETE CURB & GUTTER	
		4,490	LF	2'-6" CONCRETE CURB & GUTTER	
		1,450	SY	4" CONCRETE SIDEWALK	
		47	EA	CONCRETE CURB RAMP	
		220	SY	6" CONCRETE DRIVEWAY	
		1,720	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	
		2,440	SY	GENERIC PAVING ITEM 10' MULTIUSE PATH	
		420	SY	GENERIC PAVING ITEM 7" CONCRETE TRUCK APRON	
Lump Sum	LS			GENERIC PAVING ITEM 32" CONCRETE BARRIER WITH MOMENT SLAB	
		287.5	LF	STEEL BM GUARDRAIL	
		25	LF	STEEL BM GUARDRAIL, SHOP CURVED	
		6	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	
		5	EA	ADDITIONAL GUARDRAIL POSTS	
		1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (350, TL-2)	
		1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	
		2	EA	GUARDRAIL ANCHOR UNITS, TYPE III	
		40	LF	REMOVE EXISTING GUARDRAIL	
		328	LF	CHAIN LINK FENCE, 48" FABRIC	
		27	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	
		10	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	
		370	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL	
		19	TON	RIP RAP, CLASS B	
		2,321	SY	GEOTEXTILE FOR DRAINAGE	
		1,235	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	
		3	EA	SIGN ERECTION, TYPE D	
		81	EA	SIGN ERECTION, TYPE E	
		4	EA	SIGN ERECTION, TYPE F	
		40	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	
		611	SF	WORK ZONE SIGNS (STATIONARY)	
		320	SF	WORK ZONE SIGNS (PORTABLE)	
		302	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	
		2	EA	PORTABLE CHANGEABLE MESSAGE SIGN	
		28	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	
		100	EA	DRUMS	
		20	EA	CONES	
		256	LF	BARRICADES (TYPE III)	
		540	DAY	FLAGGER	
		250	LF	WATER FILLED BARRIER	
		16	HR	LAW ENFORCEMENT	
		130	EA	SKINNY DRUM	
		50	LF	GENERIC TRAFFIC CONTROL ITEM FIXED OBJECT DELINEATION	
		125	EA	TEMPORARY RAISED PAVEMENT MARKERS	
		13,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	
		4,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	
		950	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	
		229	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	
		126	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	
		2,725	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	
		90	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	
Lump Sum	LS			MOBILIZATION	
Lump Sum	LS			CONSTRUCTION SURVEYING	
Lump Sum	LS			GENERIC MISCELLANEOUS ITEM INSPECTION VESSEL	
3,100	CY			UNDERCUT EXCAVATION	
1	ACR			SUPPLEMENTARY CLEARING & GRUB-BING	
Lump Sum	LS			GRADING	
23,000	CY			BORROW EXCAVATION	
12	CY			DRAINAGE DITCH EXCAVATION	
3,850	CY			SELECT GRANULAR MATERIAL, CLASS III	
6,850	SY			GEOTEXTILE FOR SOIL STABILIZATION	
Lump Sum	LS			GENERIC GRADING ITEM PERMANENT INFILTRATION BASIN	
360	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	
1,120	SY			FOUNDATION CONDITIONING GEOTEXTILE	
2,316	LF			15" RC PIPE CULVERTS, CLASS IV	
688	LF			18" RC PIPE CULVERTS, CLASS IV	
92	LF			24" RC PIPE CULVERTS, CLASS IV	
76	LF			36" RC PIPE CULVERTS, CLASS IV	
679	LF			PIPE REMOVAL	
3	EA			PIPE CLEAN-OUT	
1,000	CY			SHALLOW UNDERCUT	
1,900	TON			CLASS IV SUBGRADE STABILIZATION	
119	TON			AGGREGATE BASE COURSE	
5,250	SY			MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	
1,900	SY			INCIDENTAL MILLING	
4,710	TON			ASPHALT CONC BASE COURSE, TYPE B25.0B	
1,890	TON			ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	
1,630	TON			ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
1,850	TON			ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
520	TON			ASPHALT BINDER FOR PLANT MIX	
26	TON			ASPHALT PLANT MIX, PAVEMENT REPAIR	
230	CY			SUBDRAIN EXCAVATION	
1,000	SY			GEOTEXTILE FOR SUBSURFACE DRAINS	
170	CY			SUBDRAIN COARSE AGGREGATE	
1,000	LF			6" PERFORATED SUBDRAIN PIPE	
2	EA			SUBDRAIN PIPE OUTLET	
12	LF			6" OUTLET PIPE	
3	CY			FLOWABLE FILL	
51	EA			MASONRY DRAINAGE STRUCTURES	
3.85	LF			MASONRY DRAINAGE STRUCTURES	
3	EA			FRAME WITH TWO GRATES, STD 840.16	
4	EA			FRAME WITH TWO GRATES, STD 840.24	
6	EA			FRAME WITH TWO GRATES, STD 840.29	
7	EA			FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	
13	EA			FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	
10	EA			FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	
3	EA			FRAME WITH COVER, STD 840.54	
3	EA			STEEL FRAME WITH TWO GRATES, STD 840.37	
1	EA			CONCRETE TRANSITIONAL SECTION FOR DROP INLET	

			4.5	TON	FERTILIZER FOR TEMPORARY SEED-ING
			470	LF	TEMPORARY SLOPE DRAINS
			3,300	LF	SAFETY FENCE
			420	CY	SILT EXCAVATION
			2,500	SY	MATTING FOR EROSION CONTROL
			100	SY	COIR FIBER MAT
			3,540	LF	1/4" HARDWARE CLOTH
			100	SY	FLOATING TURBIDITY CURTAIN
			280	LF	COIR FIBER WATTLE
			260	LF	COIR FIBER BAFFLE
			15	ACR	SEEDING & MULCHING
			18	ACR	MOWING
			250	LB	SEED FOR REPAIR SEEDING
			0.75	TON	FERTILIZER FOR REPAIR SEEDING
			350	LB	SEED FOR SUPPLEMENTAL SEEDING
			10.25	TON	FERTILIZER TOPDRESSING
			150	EA	RESPONSE FOR EROSION CONTROL
			12	EA	GENERIC EROSION CONTROL ITEM
					CONCRETE WASHOUT STRUCTURE
20,400	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)			
4	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)			
20	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)			
28,030	LF	PAINT PAVEMENT MARKING LINES (4")			
320	LF	PAINT PAVEMENT MARKING LINES (8")			
100	LF	PAINT PAVEMENT MARKING LINES (24")			
50	EA	PAINT PAVEMENT MARKING SYMBOL			
11,920	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)			
260	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS)			
2,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
100	LF	REMOVAL OF PAVEMENT MARKING LINES (8")			
150	EA	PERMANENT RAISED PAVEMENT MARKERS			
34	LF	6" WATER LINE			
763	LF	10" WATER LINE			
372	LF	12" WATER LINE			
4	EA	6" VALVE			
6	EA	10" VALVE			
1	EA	RELOCATE WATER METER			
7	EA	RECONNECT WATER METER			
2	EA	FIRE HYDRANT			
557	LF	10" SANITARY GRAVITY SEWER			
827	LF	12" SANITARY GRAVITY SEWER			
481	LF	6" FORCE MAIN SEWER			
680	LF	8" FORCE MAIN SEWER			
1,250	LF	12" FORCE MAIN SEWER			
13	EA	4' DIA UTILITY MANHOLE			
69.4	LF	UTILITY MANHOLE WALL, 4' DIA			
236	LF	ABANDON *** UTILITY PIPE (3")			
402	LF	ABANDON *** UTILITY PIPE (4")			
606	LF	ABANDON 6" UTILITY PIPE			
1,217	LF	ABANDON 8" UTILITY PIPE			
1,333	LF	ABANDON 10" UTILITY PIPE			
679	LF	ABANDON 12" UTILITY PIPE			
4	EA	ABANDON UTILITY MANHOLE			
133	LF	12" ENCASMENT PIPE			
499	LF	16" ENCASMENT PIPE			
273	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL			
30	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL			
295	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL			
33	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL			
3	EA	GENERIC UTILITY ITEM 10" INSERT VALVE			
3	EA	GENERIC UTILITY ITEM 12" INSERT VALVE			
2	EA	GENERIC UTILITY ITEM 12" PLUG VALVE			
1	EA	GENERIC UTILITY ITEM 3" INSERT VALVE			
2	EA	GENERIC UTILITY ITEM 4" INSERT VALVE			
2	EA	GENERIC UTILITY ITEM 6" INSERT VALVE			
2	EA	GENERIC UTILITY ITEM 6" PLUG VALVE			
1	EA	GENERIC UTILITY ITEM 8" INSERT VALVE			
2	EA	GENERIC UTILITY ITEM SALVAGE FIRE HYDRANT			
1	EA	GENERIC UTILITY ITEM SALVAGE WATER METER			
17,625	LF	TEMPORARY SILT FENCE			
750	TON	STONE FOR EROSION CONTROL, CLASS A			
505	TON	STONE FOR EROSION CONTROL, CLASS B			
940	TON	SEDIMENT CONTROL STONE			
23.5	ACR	TEMPORARY MULCHING			
900	LB	SEED FOR TEMPORARY SEEDING			
					<b>WALL ITEMS</b>
			786	SF	MSE RETAINING WALL NO **** (1)
			755	SF	MSE RETAINING WALL NO **** (2)
			349	SF	MSE RETAINING WALL NO **** (3)
			757	SF	MSE RETAINING WALL NO **** (4)
					<b>STRUCTURE ITEMS</b>
			Lump Sum	LS	GENERIC LIGHTING ITEM PATH LIGHTING SYSTEM AT STA 18+40.00 -L2-
			Lump Sum	LS	GENERIC LIGHTING ITEM PATH LIGHTING SYSTEM AT STA 57+76.00 -L2-
			Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (38+13.81 -L2-)
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (38+13.81 -L2-)
			10,716.7	LF	***" DIA DRILLED PIERS (4'-0")
			6,705.7	LF	***" DIA DRILLED PIERS (5'-0")
			2,760.5	LF	PERMANENT STEEL CASING FOR ***" DIA DRILLED PIER (4'-0")
			2,216.2	LF	PERMANENT STEEL CASING FOR ***" DIA DRILLED PIER (5'-0")
			2	EA	PDA TESTING
			49	EA	SID INSPECTIONS
			86	EA	SPT TESTING
			49	EA	CSL TESTING
			202,470	SF	REINFORCED CONCRETE DECK SLAB
			169,397	SF	GROOVING BRIDGE FLOORS
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (38+13.81 -L2-)
			3,360.75	LF	54" PRESTRESSED CONCRETE GIRDERS
			870	LF	12" PRESTRESSED CONCRETE PILES
			13	EA	PILE REDRIVES
			3,789	LF	TWO BAR METAL RAIL
			3,796.99	LF	VERTICAL CONCRETE BARRIER RAIL
			3,804.06	LF	1'***X ***** CONCRETE PARAPET (2'-0" X 2'-6")
			Lump Sum	LS	EXPANSION JOINT SEALS
			Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT
			Lump Sum	LS	GENERIC STRUCTURE ITEM AXIAL LOAD TEST NO 1
			Lump Sum	LS	GENERIC STRUCTURE ITEM AXIAL LOAD TEST NO 2
			Lump Sum	LS	GENERIC STRUCTURE ITEM PLASTIC LUMBER FENDER BOARDS AT CHANNEL BENTS
			7,175.37	LF	GENERIC STRUCTURE ITEM 72" FLORIDA I-BEAM PRESTRESSED CONCRETE GIRDERS



3,813.16 LF GENERIC STRUCTURE ITEM  
PEDESTRIAN RAILING

\*\*\*\*\* BEGIN SCHEDULE IA \*\*\*\*\*  
\*\*\*\*\* ( 2 ALTERNATES ) \*\*\*\*\*

8,957.8 CY CLASS AA CONCRETE (BRIDGE)  
5,417,195 LB EPOXY COATED REINFORCING STEEL  
(BRIDGE)

506,375 LB EPOXY COATED SPIRAL COLUMN RE-  
INFORCING STEEL (BRIDGE)

Lump Sum LS ELASTOMERIC BEARINGS

8,882.8 LF GENERIC STRUCTURE ITEM  
78" FLORIDA I-BEAM PRESTRESSED  
CONCRETE GIRDERS

\*\*\* OR \*\*\*

9,090.5 CY CLASS AA CONCRETE (BRIDGE)

5,427,463 LB EPOXY COATED REINFORCING STEEL  
(BRIDGE)

506,105 LB EPOXY COATED SPIRAL COLUMN RE-  
INFORCING STEEL (BRIDGE)

Lump Sum LS DISC BEARINGS

Lump Sum LS ELASTOMERIC BEARINGS

Lump Sum LS GENERIC STRUCTURE ITEM  
ASTM A1010 STRUCTURAL STEEL

2,191.85 LF GENERIC STRUCTURE ITEM  
78" FLORIDA I-BEAM PRESTRESSED  
CONCRETE GIRDERS

\*\*\* END SCHEDULE IA \*\*\*

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L160816 002

CONTRACT ID : C203770 38367.3.FD1

DIV OFFICE CASTLE HAYNE

LENGTH = 0.113 MI

COUNTY : BRUNSWICK

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #163 OVER MULBERRY SWAMP ON SR-1349.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+90.36 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
600	CY	UNDERCUT EXCAVATION
90	CY	DRAINAGE DITCH EXCAVATION
600	CY	SELECT GRANULAR MATERIAL
600	SY	GEOTEXTILE FOR SOIL STABILIZATION
100	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
290	SY	FOUNDATION CONDITIONING GEOTEXTILE
40	LF	15" DRAINAGE PIPE
20	LF	15" RC PIPE CULVERTS, CLASS IV
48	LF	18" RC PIPE CULVERTS, CLASS IV
216	LF	24" RC PIPE CULVERTS, CLASS IV
116	LF	PIPE REMOVAL
200	TON	INCIDENTAL STONE BASE
350	SY	INCIDENTAL MILLING
560	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
480	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
55	TON	ASPHALT BINDER FOR PLANT MIX
240	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
112	CY	SUBDRAIN EXCAVATION
500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
84	CY	SUBDRAIN COARSE AGGREGATE
500	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
5	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.16
1	EA	FRAME WITH TWO GRATES, STD 840.22
1	EA	FRAME WITH TWO GRATES, STD 840.24
2	EA	FRAME WITH TWO GRATES, STD 840.29
82	LF	SHOULDER BERM GUTTER
75	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
80	TON	RIP RAP, CLASS II
10	TON	RIP RAP, CLASS B
655	SY	GEOTEXTILE FOR DRAINAGE
30	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
3	EA	SIGN ERECTION, TYPE E
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
6	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
386	SF	WORK ZONE SIGNS (STATIONARY)
131	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
80	LF	BARRICADES (TYPE III)
1,190	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,751	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
52	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)

1	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
18	EA	PERMANENT RAISED PAVEMENT MARKERS
44	LF	8" WATER LINE
594	LF	12" WATER LINE
1	EA	8" VALVE
2	EA	12" VALVE
30	LF	ABANDON 8" UTILITY PIPE
593	LF	ABANDON 12" UTILITY PIPE
285	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
122	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL
1,300	LF	TEMPORARY SILT FENCE
200	TON	STONE FOR EROSION CONTROL, CLASS A
100	TON	STONE FOR EROSION CONTROL, CLASS B
185	TON	SEDIMENT CONTROL STONE
1.2	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
600	LF	SAFETY FENCE
150	CY	SILT EXCAVATION
1,500	SY	MATTING FOR EROSION CONTROL
225	SY	COIR FIBER MAT
275	SY	PERMANENT SOIL REINFORCEMENT MAT
200	LF	1/4" HARDWARE CLOTH
50	SY	FLOATING TURBIDITY CURTAIN
2	EA	SPECIAL STILLING BASINS
80	LF	WATTLE
40	LB	POLYACRYLAMIDE (PAM)
1.2	ACR	SEEDING & MULCHING
0.6	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
15	EA	RESPONSE FOR EROSION CONTROL
3	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+90.36-L-)
1	EA	PDA TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (18+90.36-L-)
54.8	CY	CLASS AA CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+90.36-L-)
9,043	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
148	LF	20" PRESTRESSED CONCRETE PILES
350	LF	HP ***X*** STEEL PILES (10 X 57)
760	LF	HP12X53 STEEL PILES
24	EA	STEEL PILE POINTS
12	EA	PILE REDRIVES
154.75	LF	TWO BAR METAL RAIL
170.25	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 3'-3 5/8")
232	TON	RIP RAP CLASS II (2'-0" THICK)
258	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

1,360	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT

## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L160816 003

CONTRACT ID : C203868 52038.3.1

DIV OFFICE CASTLE HAYNE

LENGTH = 7.442 MI

COUNTY : NEW HANOVER

MILLING, RESURF, SHDR RECON, SIGNALS, BRG APPR &amp; JT REPAIR.

DBE GOAL 9.0% COMPLETION DATE : AUG 25 2017

I-140 FROM US-421 TO 0.640 MILES EAST OF I-40.

Lump Sum		ROADWAY ITEMS				
	LS	MOBILIZATION		80	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
30	EA	GENERIC MISCELLANEOUS ITEM BRIDGE APPROACH SLAB INVESTIGATION		29	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
10	EA	GENERIC MISCELLANEOUS ITEM BRIDGE SLOPE PROTECTION INVESTIGATION		23,505	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
8,740	LF	GENERIC MISCELLANEOUS ITEM DEBRIS REMOVAL FROM EXISTING SHOULDER BERM GUTTER		500	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (IV)
1,210	LF	GENERIC MISCELLANEOUS ITEM FOAM SEAL JOINT REPLACEMENT		8	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
1,800	GAL	GENERIC MISCELLANEOUS ITEM SOIL STABILIZATION FOAM		8	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
10	GAL	GENERIC MISCELLANEOUS ITEM STRUCTURAL FOAM VOID FILL/STABILIZATION		219,511	LF	PAINT PAVEMENT MARKING LINES (4")
1,261	TON	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW		9,400	LF	PAINT PAVEMENT MARKING LINES (8")
3	TON	#57 STONE		80	LF	PAINT PAVEMENT MARKING LINES (24")
38.04	SMI	SHOULDER RECONSTRUCTION		29	EA	PAINT PAVEMENT MARKING SYMBOL
28,160	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")		23,505	LF	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)
6,690	SY	MILLING ASPHALT PAVEMENT, **** TO **** (0" TO 1-1/2")		500	LF	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)
10,795	SY	INCIDENTAL MILLING		23,505	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
4,222	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		500	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
29,684	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		3,310	LF	GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES, 6" BLACK
275	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)		178	EA	PERMANENT RAISED PAVEMENT MARKERS
1,975	TON	ASPHALT BINDER FOR PLANT MIX		1,180	EA	SNOWPLOWABLE PAVEMENT MARKERS
157,164	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)		1,991	LF	TEMPORARY SILT FENCE
417	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)		498	TON	STONE FOR EROSION CONTROL, CLASS B
500	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)		498	TON	SEDIMENT CONTROL STONE
16,636	SY	GENERIC PAVING ITEM FINE MILLING (1-1/2")		18.93	ACR	TEMPORARY MULCHING
50	LF	GENERIC PAVING ITEM REMOVE AND REPLACE SHOULDER BERM GUTTER		1,000	LB	SEED FOR TEMPORARY SEEDING
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1		4.98	TON	FERTILIZER FOR TEMPORARY SEEDING
100	LF	GENERIC GUARDRAIL ITEM REMOVE AND REPLACE EXISTING GUARDRAIL		300	SY	MATTING FOR EROSION CONTROL
406	SF	WORK ZONE SIGNS (STATIONARY)		768	LF	1/4" HARDWARE CLOTH
485	SF	WORK ZONE SIGNS (PORTABLE)		320	LF	WATTLE
32	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)		17.92	ACR	SEEDING & MULCHING
2	EA	FLASHING ARROW BOARD		1,000	LB	SEED FOR REPAIR SEEDING
3	EA	PORTABLE CHANGEABLE MESSAGE SIGN		4.97	TON	FERTILIZER FOR REPAIR SEEDING
30	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)		20	EA	RESPONSE FOR EROSION CONTROL
200	EA	DRUMS		1	EA	JUNCTION BOX (STANDARD SIZE)
36	LF	BARRICADES (TYPE III)		1,600	LF	INDUCTIVE LOOP SAWCUT
1	EA	TMA		400	LF	LEAD-IN CABLE (*****) (14-2)
200	HR	LAW ENFORCEMENT		408	CF	GENERIC STRUCTURE ITEM JOINT REPAIR USING ELASTOMERIC CONCRETE
3	EA	GENERIC TRAFFIC CONTROL ITEM WORK ZONE DIGITAL SPEED LIMIT SIGN				
1,358	EA	TEMPORARY RAISED PAVEMENT MARKERS				
199,261	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)				
20,250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)				
10,700	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)				

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 004

CONTRACT ID : C203888 2017CPT.03.01.10651 DIV OFFICE CASTLE HAYNE

LENGTH = 2.210 MI

COUNTY : NEW HANOVER

GRADING, DRAINAGE, MILLING, PAVING &amp; SIGNALS.

DBE GOAL 9.0% COMPLETION DATE : FEB 14 2018

US-117/NC-132 (SOUTH COLLEGE RD) FROM .05 MILES SOUTH OF WILSHIRE BLVD TO US-17 BUSINESS (MARKET ST) IN WILMINGTON.

ROADWAY ITEMS					
Lump Sum	LS	MOBILIZATION	320	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
Lump Sum	LS	CONSTRUCTION SURVEYING	54	SY	GENERIC PAVING ITEM REMOVE AND REPLACE 4" CONCRETE SIDEWALK
600	CY	UNDERCUT EXCAVATION	10	SY	GENERIC PAVING ITEM REMOVE AND REPLACE 5" MONOLITHIC CONCRETE ISLAND
Lump Sum	LS	GRADING	31	SY	GENERIC PAVING ITEM REMOVE CONCRETE SIDEWALK
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	94	SY	GENERIC PAVING ITEM REMOVE MONOLITHIC CONCRETE ISLAND
600	CY	SELECT GRANULAR MATERIAL	42	LF	GENERIC PAVING ITEM REMOVE 2'-6" CURB AND GUTTER
2,100	SY	GEOTEXTILE FOR SOIL STABILIZATION	441	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 2'-6" CURB AND GUTTER
60	TON	GENERIC GRADING ITEM AGGREGATE SHOULDER BORROW	20	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 6" X 9" CONCRETE CURB
110	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	1	EA	GENERIC PAVING ITEM ADJUSTMENT OF MONUMENTS
320	SY	FOUNDATION CONDITIONING GEOTEXTILE	33	EA	GENERIC PAVING ITEM REMOVE AND REPLACE CURB RAMPS
628	LF	15" RC PIPE CULVERTS, CLASS IV	13	EA	GENERIC PAVING ITEM REMOVE CONCRETE CURB RAMPS
324	LF	18" RC PIPE CULVERTS, CLASS IV	4	EA	ADJUSTMENT OF DROP INLETS
500	CY	SHALLOW UNDERCUT	26	EA	ADJUSTMENT OF MANHOLES
950	TON	CLASS IV SUBGRADE STABILIZATION	5	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
12	TON	INCIDENTAL STONE BASE	4	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
2.95	SMI	SHOULDER RECONSTRUCTION	1	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN
11,635	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2")	3	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
21,050	SY	MILLING ASPHALT PAVEMENT, *** DEPTH (2-1/2")	3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,100	SY	INCIDENTAL MILLING	2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
450	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	925	LF	GENERIC GUARDRAIL ITEM REMOVE AND REPLACE EXISTING GUARDRAIL
3,758	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	475	SY	GEOTEXTILE FOR DRAINAGE
13,651	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	20	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
1,023	TON	ASPHALT BINDER FOR PLANT MIX	120	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
65	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	4	EA	SIGN ERECTION, TYPE E
55	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)	3	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
175	TON	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)	1	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
37,494	SY	GENERIC PAVING ITEM FINE MILLING (0" TO 1-1/2")	6	EA	DISPOSAL OF SUPPORT, U-CHANNEL
112	CY	SUBDRAIN EXCAVATION	528	SF	WORK ZONE SIGNS (STATIONARY)
500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	484	SF	WORK ZONE SIGNS (PORTABLE)
84	CY	SUBDRAIN COARSE AGGREGATE	4	EA	FLASHING ARROW BOARD
500	LF	6" PERFORATED SUBDRAIN PIPE	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
1	EA	SUBDRAIN PIPE OUTLET	220	EA	DRUMS
6	LF	6" OUTLET PIPE	180	HR	FLAGGER
0.399	CY	PIPE COLLARS	4	EA	TMA
21	EA	MASONRY DRAINAGE STRUCTURES	54	HR	LAW ENFORCEMENT
4	LF	MASONRY DRAINAGE STRUCTURES	100	EA	SKINNY DRUM
7	EA	FRAME WITH TWO GRATES, STD 840.16	39,097	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	16,790	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	4,355	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	3,695	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
4	EA	FRAME WITH COVER, STD 840.54	680	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
7	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	1,626	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
5	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	3,250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
2,470	LF	1'-6" CONCRETE CURB & GUTTER			
330	LF	2'-6" CONCRETE CURB & GUTTER			
312	SY	4" CONCRETE SIDEWALK			
4	EA	RETROFIT EXISTING CURB RAMP			
36	EA	CONCRETE CURB RAMP			

84	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
266	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
10,230	LF	PAINT PAVEMENT MARKING LINES (4")
1,370	LF	PAINT PAVEMENT MARKING LINES (8")
830	LF	PAINT PAVEMENT MARKING LINES (12")
2,160	LF	PAINT PAVEMENT MARKING LINES (24")
44	EA	PAINT PAVEMENT MARKING CHARACTER
228	EA	PAINT PAVEMENT MARKING SYMBOL
1,900	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
2,080	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
180	LF	GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES, 4", BLACK
375	EA	PERMANENT RAISED PAVEMENT MARKERS
2,250	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
1,737	LF	TEMPORARY SILT FENCE
165	TON	STONE FOR EROSION CONTROL, CLASS A
60	TON	STONE FOR EROSION CONTROL, CLASS B
160	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
300	LB	SEED FOR TEMPORARY SEEDING
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING
400	LF	TEMPORARY SLOPE DRAINS
2,810	SY	MATTING FOR EROSION CONTROL
652	LF	1/4" HARDWARE CLOTH
100	LF	WATTLE
7.5	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
660	LB	SEED FOR REPAIR SEEDING
1.75	TON	FERTILIZER FOR REPAIR SEEDING
150	LB	SEED FOR SUPPLEMENTAL SEEDING
1.25	TON	FERTILIZER TOPDRESSING
30	MHR	SPECIALIZED HAND MOWING
45	EA	RESPONSE FOR EROSION CONTROL
3	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE
12	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
12	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
10	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)
3,700	LF	SIGNAL CABLE
2	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
300	LF	PAVED TRENCHING (*****) (1, 2")
1,330	LF	UNPAVED TRENCHING (*****) (1, 2")
500	LF	UNPAVED TRENCHING (*****) (3, 2")
125	LF	DIRECTIONAL DRILL (*****) (3, 2")
27	EA	JUNCTION BOX (STANDARD SIZE)
4	EA	GUY ASSEMBLY
15,000	LF	INDUCTIVE LOOP SAWCUT
22,720	LF	LEAD-IN CABLE (*****) (14-2)
1	EA	SIGN FOR SIGNALS
12	EA	TYPE I POST WITH FOUNDATION
7	EA	DETECTOR CARD (TYPE 170)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L160816 005

CONTRACT ID : C203914 53029.3.1

DIV OFFICE GREENSBORO

LENGTH = 7.400 MI

COUNTY : GUILFORD, RANDOLPH

PAVEMENT AND BRIDGE REHABILITATION.

DBE GOAL 3.0% COMPLETION DATE : NOV 01 2018

I-85 FROM I-85 BUSINESS TO MAIN STREET IN ARCHDALE.

		<b>ROADWAY ITEMS</b>					
				8	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (II)	
				28	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)	
Lump Sum	LS	MOBILIZATION					
2,244	CY	UNDERCUT EXCAVATION					
13,468	SY	GEOTEXTILE FOR SOIL STABILIZATION		395,968	LF	PAINT PAVEMENT MARKING LINES (6")	
35,886	SY	GENERIC GRADING ITEM 4" TRENCHING FOR SHOULDER CONSTRUCTION		330	LF	PAINT PAVEMENT MARKING LINES (8")	
63,206	SY	GENERIC GRADING ITEM 8-1/4" TRENCHING FOR SHOULDER CONSTRUCTION		17,936	LF	PAINT PAVEMENT MARKING LINES (12")	
6,059	TON	SELECT MATERIAL, CLASS ***** (IV)		198	LF	PAINT PAVEMENT MARKING LINES (24")	
224,477	LB	SEALING EXISTING PAVEMENT CRACKS		16	EA	PAINT PAVEMENT MARKING CHARACTER	
2,017	TON	#57 STONE		74	EA	PAINT PAVEMENT MARKING SYMBOL	
222	TON	INCIDENTAL STONE BASE		201,528	LF	POLYUREA PAVEMENT MARKING LINES (6", *****)	
25.65	SMI	SHOULDER RECONSTRUCTION				(HIGHLY REFLECTIVE ELEMENTS)	
6,949	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		9,148	LF	POLYUREA PAVEMENT MARKING LINES (12", *****)	
9,624	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C				(HIGHLY REFLECTIVE ELEMENTS)	
567	TON	ASPHALT BINDER FOR PLANT MIX		238,566	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	
203	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		8,968	LF	REMOVAL OF PAVEMENT MARKING LINES (12")	
3,107	SF	PATCHING CONCRETE PAVEMENT SPALLS		35	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	
26,094	SY	ASPHALT SURFACE TREATMENT, FOG SEAL		40,994	LF	GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES, 6" BLACK	
73,030	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)		2,734	EA	SNOWFLOWABLE PAVEMENT MARKERS	
550,766	LF	GENERIC PAVING ITEM JOINT CONSTRUCTION, REPAIR AND SEALING		231	EA	GENERIC TRAFFIC CONTROL ITEM BARRIER WALL DELINEATORS	
325,700	SY	GENERIC PAVING ITEM DIAMOND GRINDING PCC PAVEMENT		Lump Sum	LS	PORTABLE LIGHTING	
8,784	SY	GENERIC PAVING ITEM REPAIR OF JOINTED CONCRETE PAVEMENT SLABS		9,400	LF	TEMPORARY SILT FENCE	
51,333	LF	SHOULDER DRAIN		100	TON	STONE FOR EROSION CONTROL, CLASS A	
51,333	LF	4" SHOULDER DRAIN PIPE		20	CY	SILT EXCAVATION	
3,190	LF	4" OUTLET PIPE FOR SHOULDER DRAINS		500	LF	WATTLE	
68	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET		3	ACR	SEEDING & MULCHING	
6	CY	FLOWABLE FILL		125	LB	SEED FOR REPAIR SEEDING	
53	EA	GENERIC DRAINAGE ITEM REMOVE & REPLACE CONCRETE APRON		0.25	TON	FERTILIZER FOR REPAIR SEEDING	
71	EA	GENERIC DRAINAGE ITEM REMOVE CONCRETE PADS FOR SHOULDER DRAIN OUTLETS		1	EA	JUNCTION BOX (STANDARD SIZE)	
2,790	LF	GENERIC DRAINAGE ITEM REMOVE EXISTING SHOULDER DRAIN OUTLET PIPE		600	LF	INDUCTIVE LOOP SAWCUT	
63,206	SY	GENERIC PAVING ITEM ROLLER COMPACTED CONCRETE		400	LF	LEAD-IN CABLE (*****)	(14-2)
56,635	LF	GENERIC PAVING ITEM MILLED RUMBLE STRIPS (CONCRETE SHOULDER)					
200	SY	GEOTEXTILE FOR DRAINAGE					
336	SF	WORK ZONE SIGNS (STATIONARY)					
613	SF	WORK ZONE SIGNS (PORTABLE)					
32	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)					
6	EA	FLASHING ARROW BOARD					
5	EA	PORTABLE CHANGEABLE MESSAGE SIGN					
283	EA	DRUMS					
40	LF	BARRICADES (TYPE III)					
4	EA	TMA					
250	EA	SKINNY DRUM					
165	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)		Lump Sum	LS	POLLUTION CONTROL	
99	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)		9	CF	CONCRETE REPAIRS	
11	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)		4	CF	SHOTCRETE REPAIRS	
				59	LF	EPOXY RESIN INJECTION	
				Lump Sum	LS	FOAM JOINT SEALS	
				Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & PAINTING OF EXISTING WEATHERING STEEL BRIDGE #110	
				Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & PAINTING OF EXISTING WEATHERING STEEL BRIDGE #111	
				Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & PAINTING OF EXISTING WEATHERING STEEL BRIDGE #142	
				Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & PAINTING OF EXISTING WEATHERING STEEL BRIDGE #144	
				Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #110	
				Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #111	

**STRUCTURE ITEMS**

Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #142
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #144
308	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE
1,212	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
50	SF	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY
2,237	SF	GENERIC STRUCTURE ITEM EPOXY COATING
96,487	SF	GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM - MECHAN- ICALLY DISTRIBUTED



## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 006

CONTRACT ID : C203821 34605.3.2

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.650 MI

COUNTY : ALLEGHANY

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

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : MAR 29 2019

US-21 (SPARTA WESTERN LOOP) FROM SR-1172 (GRANDVIEW DRIVE) TO US-21.

ROADWAY ITEMS				
		820	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
		320	SY	GENERIC PAVING ITEM
				4' X 6" CONCRETE PAD
Lump Sum	LS	2	EA	IMPACT ATTENUATOR UNIT, TYPE 350
Lump Sum	LS	2,487.5	LF	STEEL BM GUARDRAIL
140,000	CY	125	LF	STEEL BM GUARDRAIL, SHOP CURVED
Lump Sum	LS	4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
		15	EA	ADDITIONAL GUARDRAIL POSTS
		4	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
1,755	CY	10	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	ACR	8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
Lump Sum	LS	936	LF	REMOVE EXISTING GUARDRAIL
20	CY	3,820	LF	CHAIN LINK FENCE, *** FABRIC (84")
50	LF	320	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (84")
5	HR	20	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (84")
1,755	CY	2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (84")
450	SY	10	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (84")
2,414	SF	200	LF	ADDITIONAL BARBED WIRE
330	TON	1	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (84", 12', 12')
1,170	SY	1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (84", 12', 24')
60	LF	3	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (84", 14', 28')
1,072	LF	1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (84", 15', 30')
104	LF	25	TON	RIP RAP, CLASS B
900	LF	975	SY	GEOTEXTILE FOR DRAINAGE
84	LF	1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
172	LF	1,050	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
76	LF	17	EA	SIGN ERECTION, TYPE E
144	LF	42	EA	SIGN ERECTION, TYPE F
4	EA	15	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
193	LF	308	SF	WORK ZONE SIGNS (STATIONARY)
150	CY	384	SF	WORK ZONE SIGNS (PORTABLE)
250	TON	170	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2,000	SY	1	EA	PORTABLE CHANGEABLE MESSAGE SIGN
7,800	TON	150	EA	DRUMS
100	TON	300	EA	CONES
6,210	GAL	184	LF	BARRICADES (TYPE III)
850	SY	1,400	HR	FLAGGER
400	TON	2	EA	TEMPORARY CRASH CUSHIONS
4,000	TON	1	EA	TMA
3,900	TON	610	LF	PORTABLE CONCRETE BARRIER
445	TON	300	EA	SKINNY DRUM
25	TON	1	EA	GENERIC TRAFFIC CONTROL ITEM
45	EA			TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM
101	CY	48	EA	TEMPORARY RAISED PAVEMENT MARKERS
300	SY	394	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
51	CY	106	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
300	LF	9	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1	EA			
6	LF			
16.46	CY			
28	EA			
6.51	LF			
1	EA			
10	EA			
17	EA			
1,080	LF			
375	SY			

15,120	LF	PAINT PAVEMENT MARKING LINES (4")
20,337	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
169	EA	SNOWPLOWABLE PAVEMENT MARKERS
353	LF	6" WATER LINE
30	LF	8" WATER LINE
1	EA	RECONNECT WATER METER
482	LF	8" SANITARY GRAVITY SEWER
1	EA	SANITARY SEWER CLEAN-OUT
2	EA	4' DIA UTILITY MANHOLE
10	LF	UTILITY MANHOLE WALL, 4' DIA
7,350	LF	TEMPORARY SILT FENCE
735	TON	STONE FOR EROSION CONTROL, CLASS A
1,505	TON	STONE FOR EROSION CONTROL, CLASS B
1,200	TON	SEDIMENT CONTROL STONE
30	ACR	TEMPORARY MULCHING
1,900	LB	SEED FOR TEMPORARY SEEDING
9.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
1,460	LF	TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
1,920	CY	SILT EXCAVATION
9,500	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
1,500	SY	PERMANENT SOIL REINFORCEMENT MAT
1,015	LF	1/4" HARDWARE CLOTH
840	LF	WATTLE
375	LB	POLYACRYLAMIDE (PAM)
7,701	LF	COIR FIBER BAFFLE
33	ACR	SEEDING & MULCHING
21	ACR	MOWING
300	LB	SEED FOR REPAIR SEEDING
1	TON	FERTILIZER FOR REPAIR SEEDING
800	LB	SEED FOR SUPPLEMENTAL SEEDING
23.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION
8	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE

### WALL ITEMS

35	SY	ROCK PLATING
2,440	SF	MSE RETAINING WALL NO **** (3)
860	SF	MSE RETAINING WALL NO **** (5)
9,365	SF	SOIL NAIL RETAINING WALLS
6	EA	SOIL NAIL VERIFICATION TESTS
32	EA	SOIL NAIL PROOF TESTS

### STRUCTURE ITEMS

4,229	SF	REINFORCED CONCRETE DECK SLAB
4,242	SF	GROOVING BRIDGE FLOORS
86.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (36+45.00 -L-)
14,087	LB	REINFORCING STEEL (BRIDGE)
469.75	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS
480	LF	HP12X53 STEEL PILES
236.62	LF	CONCRETE BARRIER RAIL
480	TON	RIP RAP, CLASS ** (CLASS I, 1'-6" THICK)
530	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L160816 007

CONTRACT ID : C203913 42303.3.FD1

DIV OFFICE SHELBY

LENGTH = 0.443 MI

COUNTY : IREDELL

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 11.0% COMPLETION DATE : NOV 11 2018

BRIDGE #57 OVER CORNELIUS CREEK AND APPROACHES ON SR-1302.

ROADWAY ITEMS					
			750	LF	GENERIC PAVING ITEM
					MODIFIED SHOULDER BERM GUTTER
			1,237.5	LF	STEEL BM GUARDRAIL
			100	LF	STEEL BM GUARDRAIL, SHOP CURVED
			5	EA	ADDITIONAL GUARDRAIL POSTS
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			560.87	LF	REMOVE EXISTING GUARDRAIL
			890	LF	TEMP *** WOVEN WIRE FENCE, COMPLETE W/POSTS (47")
			1,300	TON	RIP RAP, CLASS II
			93	TON	RIP RAP, CLASS B
			780	SY	GEOTEXTILE FOR DRAINAGE
			187	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
			2	EA	SIGN ERECTION, TYPE D
			6	EA	SIGN ERECTION, TYPE E
			1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
			7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			160	SF	WORK ZONE SIGNS (STATIONARY)
			329	SF	WORK ZONE SIGNS (PORTABLE)
			102	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			150	EA	DRUMS
			116	EA	CONES
			96	LF	BARRICADES (TYPE III)
			640	HR	FLAGGER
			2	EA	TEMPORARY CRASH CUSHIONS
			1	EA	RESET TEMPORARY CRASH CUSHION
			1	EA	TMA
			1,300	LF	PORTABLE CONCRETE BARRIER
			650	LF	RESET PORTABLE CONCRETE BARRIER
			250	LF	WATER FILLED BARRIER
			200	LF	RESET WATER FILLED BARRIER
			1	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM
			4,393	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			4,119	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			998	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
			450	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
			48	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24") (II)
			35,250	LF	PAINT PAVEMENT MARKING LINES (4")
			10,400	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			3	EA	PERMANENT RAISED PAVEMENT MARKERS
			29	EA	SNOWPLOWABLE PAVEMENT MARKERS
			10	LF	6" WATER LINE
			1,063	LF	12" WATER LINE
			2	EA	6" VALVE
			2	EA	8" VALVE
			4	EA	12" VALVE
			5	EA	2" BLOW OFF
			1,012	LF	8" FORCE MAIN SEWER
			3,000	LF	TEMPORARY SILT FENCE
			200	TON	STONE FOR EROSION CONTROL, CLASS A
			400	TON	STONE FOR EROSION CONTROL, CLASS B
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM BOATER SAFETY PLAN			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+06.00)			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
850	CY	UNDERCUT EXCAVATION			
980	CY	DRAINAGE DITCH EXCAVATION			
500	CY	SELECT GRANULAR MATERIAL			
2,000	SY	GEOTEXTILE FOR SOIL STABILIZATION			
40	SF	TEMPORARY SHORING			
900	SY	ROCK PLATING			
3,900	SY	GENERIC GRADING ITEM GEOTEXTILE FOR ROCK EMBANKMENTS, TYPE 2			
8,200	TON	SELECT MATERIAL, CLASS ***** (VI)			
9,200	TON	SELECT MATERIAL, CLASS ***** (VII)			
120	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
370	SY	FOUNDATION CONDITIONING GEOTEXTILE			
680	LF	15" DRAINAGE PIPE			
360	LF	18" DRAINAGE PIPE			
40	LF	15" RC PIPE CULVERTS, CLASS IV			
137	LF	PIPE REMOVAL			
1	EA	PIPE CLEAN-OUT			
1,000	CY	SHALLOW UNDERCUT			
1,800	TON	CLASS IV SUBGRADE STABILIZATION			
100	TON	INCIDENTAL STONE BASE			
125	SY	INCIDENTAL MILLING			
2,550	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
1,900	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
1,500	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
294	TON	ASPHALT BINDER FOR PLANT MIX			
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR			
10	EA	RIGHT OF WAY MARKERS			
44.8	CY	SUBDRAIN EXCAVATION			
200	SY	GEOTEXTILE FOR SUBSURFACE DRAINS			
33.6	CY	SUBDRAIN COARSE AGGREGATE			
200	LF	6" PERFORATED SUBDRAIN PIPE			
1	EA	SUBDRAIN PIPE OUTLET			
6	LF	6" OUTLET PIPE			
0.893	CY	PIPE COLLARS			
15	EA	MASONRY DRAINAGE STRUCTURES			
3.7	LF	MASONRY DRAINAGE STRUCTURES			
1	EA	FRAME WITH TWO GRATES, STD 840.16			
1	EA	FRAME WITH TWO GRATES, STD 840.22			
7	EA	FRAME WITH TWO GRATES, STD 840.29			
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
2	EA	*** SLUICE GATE (8")			
160	LF	1'-6" CONCRETE CURB & GUTTER			
270	LF	2'-6" CONCRETE CURB & GUTTER			
37	LF	GENERIC PAVING ITEM CONC HEADER @ STA 11+45 -Y3-			

400	TON	SEDIMENT CONTROL STONE
5	ACR	TEMPORARY MULCHING
400	LB	SEED FOR TEMPORARY SEEDING
2.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
700	CY	SILT EXCAVATION
8,000	SY	MATTING FOR EROSION CONTROL
600	SY	COIR FIBER MAT
770	SY	PERMANENT SOIL REINFORCEMENT MAT
850	LF	1/4" HARDWARE CLOTH
1,600	SY	FLOATING TURBIDITY CURTAIN
4	EA	SPECIAL STILLING BASINS
1,000	LF	WATTLE
600	LF	COIR FIBER WATTLE BARRIER
300	LB	POLYACRYLAMIDE (PAM)
200	LF	COIR FIBER BAFFLE
2	EA	*** SKIMMER (1-1/2")
5	ACR	SEEDING & MULCHING
3	ACR	MOWING
100	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
125	LB	SEED FOR SUPPLEMENTAL SEEDING
3.75	TON	FERTILIZER TOPDRESSING
360	LF	IMPERVIOUS DIKE
20	MHR	SPECIALIZED HAND MOWING
35	EA	RESPONSE FOR EROSION CONTROL
4	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURES

### STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (22+06.00 -L-)
1	EA	PDA TESTING
7,317	SF	REINFORCED CONCRETE DECK SLAB
7,634	SF	GROOVING BRIDGE FLOORS
81	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+06.00 -L-)
10,586	LB	REINFORCING STEEL (BRIDGE)
785.67	LF	45" PRESTRESSED CONCRETE GIR- DERS
600	LF	HP12X53 STEEL PILES
470	LF	PP ** X **** GALVANIZED STEEL PILES (24 X 0.50)
381.17	LF	TWO BAR METAL RAIL
396.67	LF	1'-***X ***** CONCRETE PARA- PET (1'-2" x 2'-6")
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC STRUCTURE ITEM 12" WATER LINE PIPE & SUSPEN- SION SYSTEM
Lump Sum	LS	GENERIC STRUCTURE ITEM 8" FORCE MAIN SEWER PIPE & SUSPENSION SYSTEM
Lump Sum	LS	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT
Lump Sum	LS	GENERIC STRUCTURE ITEM TEMPORARY ACCESS AT STATION 22+06.00 -L-

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 008

CONTRACT ID : C203912 2017CPT.13.02.10121 DIV OFFICE ASHEVILLE

LENGTH = 78.750 MI

COUNTY : BURKE

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : OCT 15 2017

1 SECTION EACH OF US-64 &amp; I-40, 2 SECTIONS OF US-70, AND 51 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,383	TON	INCIDENTAL STONE BASE
55.17	SMI	SHOULDER RECONSTRUCTION
28,450	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
14,300	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
800	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
18,245	SY	INCIDENTAL MILLING
27,105	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,600	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
16,484	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2,825	TON	ASPHALT BINDER FOR PLANT MIX
10,330	TON	PATCHING EXISTING PAVEMENT
162,120	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
89,029	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
76,950	SY	GENERIC PAVING ITEM LATEX MODIFIED MICROSURFACING, TYPE III
38	EA	CONCRETE CURB RAMP
1	EA	ADJUSTMENT OF DROP INLETS
9	EA	ADJUSTMENT OF MANHOLES
24	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
7,248	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
595	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
2,498	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
220	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
45	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
1,345	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
42	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
82	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
6	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
2,183,557	LF	PAINT PAVEMENT MARKING LINES (4")
25,000	LF	PAINT PAVEMENT MARKING LINES (6")
1,530	LF	PAINT PAVEMENT MARKING LINES (8")
250	LF	PAINT PAVEMENT MARKING LINES (12")
638	LF	PAINT PAVEMENT MARKING LINES (24")
8	EA	PAINT PAVEMENT MARKING CHARAC- TER
46	EA	PAINT PAVEMENT MARKING SYMBOL
114,470	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,485	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
1,100	LF	INDUCTIVE LOOP SAWCUT

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 009

CONTRACT ID : C203900 2017CPT.13.07.11001 DIV OFFICE ASHEVILLE  
 COUNTY : YANCEY

LENGTH = 32.500 MI

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : OCT 15 2017

1 SECTION EACH OF US-19 &amp; NC-197 AND 15 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
993	TON	INCIDENTAL STONE BASE
39.68	SMI	SHOULDER RECONSTRUCTION
1,100	SY	INCIDENTAL MILLING
8,568	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
12,902	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,380	TON	ASPHALT BINDER FOR PLANT MIX
376	TON	PATCHING EXISTING PAVEMENT
97,152	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
97,152	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
53,438	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
38,357	SY	GENERIC PAVING ITEM LATEX MODIFIED MICROSURFACING, TYPE III
3,592	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
3	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,341,120	LF	PAINT PAVEMENT MARKING LINES (4")
73,075	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
512	EA	SNOWPLOWABLE PAVEMENT MARKERS

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 010

CONTRACT ID : C203911 2017CPT.14.01.10441.1 DIV OFFICE SYLVA

LENGTH = 25.590 MI

COUNTY : HAYWOOD, JACKSON, SWAIN

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 2.0% COMPLETION DATE : OCT 31 2017

1 SECTION OF NC-215, 2 SECTIONS OF US-441 AND 16 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
42.34	SMI	SHOULDER RECONSTRUCTION
44,100	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
60,218	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
156,600	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4-1/2")
8,656	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
35,487	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
9,232	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
17,646	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
10,508	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2,749	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
4,585	TON	ASPHALT BINDER FOR PLANT MIX
2,375	TON	PATCHING EXISTING PAVEMENT
2,600	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
3,859	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
4,100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,290	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
24	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
255	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
859,424	LF	PAINT PAVEMENT MARKING LINES (4")
1,700	LF	PAINT PAVEMENT MARKING LINES (8")
1,660	LF	PAINT PAVEMENT MARKING LINES (24")
12	EA	PAINT PAVEMENT MARKING CHARAC- TER
251	EA	PAINT PAVEMENT MARKING SYMBOL
134,380	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (4", 50 MILS)
2,267	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
3,596	LF	INDUCTIVE LOOP SAWCUT
1,906	LF	LEAD-IN CABLE (***** (14-2)

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 011

CONTRACT ID : C203909 2017CPT.14.02.10451.1 DIV OFFICE SYLVA

LENGTH = 64.110 MI

COUNTY : HENDERSON, POLK, TRANSYLVANIA

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : OCT 31 2017

1 SECTION OF US-64, 2 SECTIONS OF NC-108, AND 48 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
58.17	SMI	SHOULDER RECONSTRUCTION
58,947	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
1,115	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
3,830	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,897	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
5,290	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
51,949	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
6,136	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
4,531	TON	ASPHALT BINDER FOR PLANT MIX
5,430	TON	PATCHING EXISTING PAVEMENT
2,052	TON	GENERIC PAVING ITEM ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B (LEVELING COURSE)
400	TON	GENERIC PAVING ITEM ASPHALT CONCRETE WEDGE COURSE, TYPE I19.0B
400	TON	GENERIC PAVING ITEM ASPHALT FOR PAVEMENT INTERLAYER
58,198	SY	GENERIC PAVING ITEM PAVEMENT INTERLAYER
15	EA	RETROFIT EXISTING CURB RAMP
20	EA	CONCRETE CURB RAMP
8	EA	ADJUSTMENT OF MANHOLES
11	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
5,864	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
915	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
595	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
69	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2,158,370	LF	PAINT PAVEMENT MARKING LINES (4")
200	LF	PAINT PAVEMENT MARKING LINES (16")
3,420	LF	PAINT PAVEMENT MARKING LINES (24")
8	EA	PAINT PAVEMENT MARKING CHARAC- TER
10	EA	PAINT PAVEMENT MARKING SYMBOL
214,036	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES, 50MILS, 4"
716	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
500	LF	INDUCTIVE LOOP SAWCUT
1,000	LF	LEAD-IN CABLE (***** (14-2)



## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L160816 012

CONTRACT ID : C203910 2017CPT.14.03.10221.1 DIV OFFICE SYLVA  
 COUNTY : CLAY, JACKSON, SWAIN, CHEROKEE, GRAHAM, MACON

LENGTH = 57.209 MI

MILLING, RESURFACING, WIDENING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : OCT 31 2017

1 SECTION EACH OF US-64 AND NC-28, 2 SECTIONS OF US-19 AND 22 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
111.17	SMI	SHOULDER RECONSTRUCTION
18,184	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
41,884	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
14,045	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
3,191	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 2")
3,523	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
7,361	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
11,146	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
4,996	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
34,256	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
28,432	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
5,566	TON	ASPHALT BINDER FOR PLANT MIX
6,569	TON	PATCHING EXISTING PAVEMENT
277	TON	GENERIC PAVING ITEM ASPHALT CONCRETE WEDGE COURSE, TYPE I19.0B
420	TON	GENERIC PAVING ITEM ASPHALT FOR PAVEMENT INTERLAYER
49,280	SY	GENERIC PAVING ITEM PAVEMENT INTERLAYER
5	EA	CONCRETE CURB RAMP
6,201	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
680	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
19	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2,025,135	LF	PAINT PAVEMENT MARKING LINES (4")
160	LF	PAINT PAVEMENT MARKING LINES (8")
1,550	LF	PAINT PAVEMENT MARKING LINES (24")
12	EA	PAINT PAVEMENT MARKING CHARAC- TER
297,276	LF	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (4", 50 MILS)
469	EA	SNOWPLOWABLE PAVEMENT MARKERS

## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L160920 001

CONTRACT ID : C203792 34820.3.30

DIV OFFICE GREENSBORO

LENGTH = 1.873 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING, ITS, SIGNALS &amp; STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : DEC 28 2020

GREENSBORO WESTERN LOOP - FROM US-220 (BATTLEGROUND AVENUE) TO SR-2303 (LAWNDALE DRIVE).

ROADWAY ITEMS					
			5	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")
			1	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")
			4	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")
804,300	CY	UNCLASSIFIED EXCAVATION	125	LF	*** X *** CS STRUCTURAL PLATE PIPE ARCH, ** GAUGE (154" X 100", 8)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+19 -Y6-)	6,176	LF	PIPE REMOVAL
Lump Sum	LS	MOBILIZATION	Lump Sum	LS	FINE GRADING
Lump Sum	LS	CONSTRUCTION SURVEYING	54,150	SY	LIME TREATED SOIL (SLURRY METHOD)
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)	550	TON	LIME FOR LIME TREATED SOIL
3	ACR	SUPPLEMENTARY CLEARING & GRUBBING	2,000	TON	STABILIZER AGGREGATE
3,490	CY	UNDERCUT EXCAVATION	63,312	SY	GEOTEXTILE FOR PAVEMENT STABILIZATION
447,800	CY	BORROW EXCAVATION	7,400	TON	AGGREGATE BASE COURSE
13,020	CY	DRAINAGE DITCH EXCAVATION	81,230	SY	SOIL CEMENT BASE
50	LF	BERM DITCH CONSTRUCTION	2,234	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
3,800	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	2,240	TON	AGGREGATE FOR SOIL CEMENT BASE
40	HR	PROOF ROLLING	19,350	GAL	ASPHALT CURING SEAL
4,000	CY	SELECT GRANULAR MATERIAL	100	TON	INCIDENTAL STONE BASE
9,650	SY	GEOTEXTILE FOR SOIL STABILIZATION	2,590	GAL	PRIME COAT
2,805	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	270	SY	MILLING ASPHALT PAVEMENT, *** TO ***** (0" TO 3")
10,586	SY	FOUNDATION CONDITIONING GEOTEXTILE	1,920	SY	INCIDENTAL MILLING
100	LF	*** SIDE DRAIN PIPE (30")	20,020	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
112	LF	*** SIDE DRAIN PIPE (36")	7,430	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
1,148	LF	15" SIDE DRAIN PIPE	1,630	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
204	LF	18" SIDE DRAIN PIPE	7,350	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
24	LF	24" SIDE DRAIN PIPE	1,210	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
12	EA	*** SIDE DRAIN PIPE ELBOWS (15")	5,730	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2	EA	*** SIDE DRAIN PIPE ELBOWS (18")	2,490	TON	ASPHALT BINDER FOR PLANT MIX
300	LF	*** RC PIPE CULVERTS, CLASS ***** (30", V)	11,070	TON	PERMEABLE ASPHALT DRAINAGE COURSE, TYPE P-57
3,468	LF	15" RC PIPE CULVERTS, CLASS III	266	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
2,140	LF	18" RC PIPE CULVERTS, CLASS III	64,205	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (10-1/2")
2,212	LF	24" RC PIPE CULVERTS, CLASS III	12,740	SY	***** PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (10-1/2")
1,072	LF	30" RC PIPE CULVERTS, CLASS III	632	SY	***** PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (3-1/2")
1,976	LF	36" RC PIPE CULVERTS, CLASS III	31,000	LF	GENERIC PAVING ITEM MILLED RUMBLE STRIPS (CONCRETE SHOULDER)
432	LF	48" RC PIPE CULVERTS, CLASS III	45,023	SY	CONCRETE SHOULDERS ADJACENT TO ***** PAVEMENT (10-1/2")
532	LF	60" RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
44	LF	72" RC PIPE CULVERTS, CLASS III	672	CY	SUBDRAIN EXCAVATION
216	LF	*** RC PIPE CULVERTS, CLASS IV (72")	2,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS
5,144	LF	15" RC PIPE CULVERTS, CLASS IV	336	CY	SUBDRAIN COARSE AGGREGATE
164	LF	18" RC PIPE CULVERTS, CLASS IV	2,000	LF	6" PERFORATED SUBDRAIN PIPE
420	LF	24" RC PIPE CULVERTS, CLASS IV	4	EA	SUBDRAIN PIPE OUTLET
512	LF	30" RC PIPE CULVERTS, CLASS IV	24	LF	6" OUTLET PIPE
324	LF	36" RC PIPE CULVERTS, CLASS IV	18,890	LF	SHOULDER DRAIN
134	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	20,660	LF	4" SHOULDER DRAIN PIPE
132	LF	15" CS PIPE CULVERTS, 0.064" THICK	1,580	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
200	LF	18" CS PIPE CULVERTS, 0.064" THICK	30	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
24	LF	24" CS PIPE CULVERTS, 0.064" THICK	20	TON	BLOTTING SAND
32	LF	30" CS PIPE CULVERTS, 0.079" THICK	11.7	CY	ENDWALLS
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")			

			6,522	SY	GEOTEXTILE FOR DRAINAGE
			3	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
13	CY	REINFORCED ENDWALLS	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
455	CY	FLOWABLE FILL	164	CY	OVERHEAD FOOTING
197	EA	MASONRY DRAINAGE STRUCTURES	2,925	LB	SUPPORTS, BREAKAWAY STEEL BEAM
39.62	CY	MASONRY DRAINAGE STRUCTURES	1,334	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
203.7	LF	MASONRY DRAINAGE STRUCTURES	2	EA	SUPPORTS, BARRIER (LARGE)
7	EA	FRAME WITH GRATE, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (01+50 -SPC Y8-)
14	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (10+00 -RPAY8-)
40	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (15+00 -Y8-)
74	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (22+25 -Y8-)
2	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (425+50 -L- LT)
12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (453+00 -L- LT)
19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (457+50 -L-)
20	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (484+00 -L-)
7	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (492+00 -L-)
5	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	1	EA	SIGN ERECTION, TYPE D
1	EA	*** SLUICE GATE (30")	61	EA	SIGN ERECTION, TYPE E
1	EA	*** SLUICE GATE (36")	4	EA	SIGN ERECTION, TYPE F
12,340	LF	2'-6" CONCRETE CURB & GUTTER	7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
1,360	LF	CONCRETE EXPRESSWAY GUTTER	1	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
4,170	SY	4" CONCRETE SIDEWALK	4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
52	EA	CONCRETE CURB RAMP	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
120	SY	6" CONCRETE DRIVEWAY	6	EA	SIGN ERECTION, MILEMARKERS
1,900	SY	4" CONCRETE PAVED DITCH	3	EA	SIGN ERECTION, REPOSITION OVERHEAD
600	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	40	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
8,260	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	3	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
1,000	SY	GENERIC PAVING ITEM TEMPORARY SIDEWALK	1,493	SF	WORK ZONE SIGNS (STATIONARY)
1	EA	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION	672	SF	WORK ZONE SIGNS (PORTABLE)
1	EA	GENERIC DRAINAGE ITEM ADJUSTMENT OF JUNCTION BOX	796	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX	2	EA	FLASHING ARROW BOARD
1	EA	IMPACT ATTENUATOR UNIT, TYPE 350	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
18,525	LF	STEEL BM GUARDRAIL	243	EA	DRUMS
20	EA	ADDITIONAL GUARDRAIL POSTS	432	LF	BARRICADES (TYPE III)
8	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	255	DAY	FLAGGER
3	EA	GUARDRAIL ANCHOR UNITS, TYPE III	5	EA	TEMPORARY CRASH CUSHIONS
12	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	5	EA	RESET TEMPORARY CRASH CUSHION
1	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	4	EA	TMA
30	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	2,426	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
275	LF	TEMPORARY STEEL BM GUARDRAIL	52	EA	TUBULAR MARKERS (FIXED)
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (CAT-1)	Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM PROTECTIVE CANOPY
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	373	EA	TEMPORARY RAISED PAVEMENT MARKERS
3	EA	GENERIC GUARDRAIL ITEM STEEL BOLLARDS	275	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
5,240	LF	WOVEN WIRE FENCE, 47" FABRIC	224	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
314	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	1,205	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
111	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	89	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
15,863	LF	CHAIN LINK FENCE, 48" FABRIC	61,383	LF	PAINT PAVEMENT MARKING LINES (4")
1,224	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	4,160	LF	PAINT PAVEMENT MARKING LINES (8")
124	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	2,799	LF	PAINT PAVEMENT MARKING LINES (24")
2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (48")	162	EA	PAINT PAVEMENT MARKING SYMBOL
1	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 15', 15')	11,487	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
1,181	LF	GENERIC FENCING ITEM TEMPORARY 48" CHAIN LINK FENCE WITH POSTS			
1,716	TON	RIP RAP, CLASS I			
145	TON	RIP RAP, CLASS II			
85	TON	RIP RAP, CLASS B			

			1	EA	*** SKIMMER (3")		
			1	EA	*** SKIMMER (4")		
58,957	LF	POLYUREA PAVEMENT MARKING LINES (6", *****)	108	ACR	SEEDING & MULCHING		
		(HIGHLY REFELCTIVE ELEMENTS)	99	ACR	MOWING		
628	LF	POLYUREA PAVEMENT MARKING LINES (8", *****)	900	LB	SEED FOR REPAIR SEEDING		
		(HIGHLY REFELCTIVE ELEMENTS)	4.25	TON	FERTILIZER FOR REPAIR SEEDING		
2,653	LF	POLYUREA PAVEMENT MARKING LINES (12", *****)	2,575	LB	SEED FOR SUPPLEMENTAL SEEDING		
		(HIGHLY REFELCTIVE ELEMENTS)	77	TON	FERTILIZER TOPDRESSING		
5,033	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	585	LF	IMPERVIOUS DIKE		
5,789	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	80	MHR	SPECIALIZED HAND MOWING		
163	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	100	EA	RESPONSE FOR EROSION CONTROL		
9	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	8	EA	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE		
208	EA	PERMANENT RAISED PAVEMENT MARKERS	800	LF	GENERIC EROSION CONTROL ITEM REINSTALLATION OF TEMPORARY PIPE FOR CLEAN WATER DIVERSION		
811	EA	SNOWPLOWABLE PAVEMENT MARKERS	27	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)		
242	LF	6" WATER LINE	12,900	LF	SIGNAL CABLE		
430	LF	8" WATER LINE	35	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)		
367	LF	12" WATER LINE	1	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)		
1	EA	8" VALVE	1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)		
2	EA	6" TAPPING VALVE	200	LF	MESSENGER CABLE (1/4")		
5	EA	RELOCATE FIRE HYDRANT	1,350	LF	MESSENGER CABLE (3/8")		
4,313	LF	8" SANITARY GRAVITY SEWER	11,445	LF	TRACER WIRE		
5,315	LF	12" SANITARY GRAVITY SEWER	25	LF	PAVED TRENCHING (*****)		
25	LF	16" SANITARY GRAVITY SEWER			(1, 2")		
35	EA	SANITARY SEWER CLEAN-OUT	1,900	LF	UNPAVED TRENCHING (*****)		
51	EA	4' DIA UTILITY MANHOLE			(1, 2")		
455	LF	UTILITY MANHOLE WALL, 4' DIA	1,730	LF	UNPAVED TRENCHING (*****)		
922	LF	ABANDON *** UTILITY PIPE (15")			(2, 2")		
660	LF	ABANDON 6" UTILITY PIPE	5,650	LF	UNPAVED TRENCHING (*****)		
9,691	LF	ABANDON 8" UTILITY PIPE			(4, 1-1/4")		
546	LF	ABANDON 10" UTILITY PIPE	470	LF	UNPAVED TRENCHING (*****)		
330	LF	ABANDON 12" UTILITY PIPE			(4, 1-1/4") (1, 2")		
71	EA	REMOVE WATER METER	1,905	LF	DIRECTIONAL DRILL (*****)		
4	EA	REMOVE FIRE HYDRANT			(1, 2")		
38	EA	ABANDON UTILITY MANHOLE	695	LF	DIRECTIONAL DRILL (*****)		
13	EA	REMOVE UTILITY MANHOLE			(2, 2")		
400	LF	18" ENCASEMENT PIPE	2,870	LF	DIRECTIONAL DRILL (*****)		
1,430	LF	24" ENCASEMENT PIPE			(4, 1-1/4")		
40	LF	TRENCHLESS INSTALLATION OF 18" IN SOIL	230	LF	DIRECTIONAL DRILL (*****)		
40	LF	TRENCHLESS INSTALLATION OF 18" NOT IN SOIL			(4, 1-1/4") (1, 2")		
310	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL	55	EA	JUNCTION BOX (STANDARD SIZE)		
310	LF	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL	27	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)		
68,265	LF	TEMPORARY SILT FENCE	1	EA	WOOD POLE		
2,100	TON	STONE FOR EROSION CONTROL, CLASS A	3	EA	GUY ASSEMBLY		
16,860	TON	STONE FOR EROSION CONTROL, CLASS B	3	EA	1" RISER WITH WEATHERHEAD		
23,300	TON	SEDIMENT CONTROL STONE	1	EA	2" RISER WITH WEATHERHEAD		
90.5	ACR	TEMPORARY MULCHING	2	EA	2" RISER WITH HEAT SHRINK TUBING		
4,300	LB	SEED FOR TEMPORARY SEEDING	4,225	LF	INDUCTIVE LOOP SAWCUT		
23.5	TON	FERTILIZER FOR TEMPORARY SEEDING	10,225	LF	LEAD-IN CABLE (*****)		
8,630	LF	TEMPORARY SLOPE DRAINS			(14-2)		
200	LF	SAFETY FENCE	11,420	LF	COMMUNICATIONS CABLE (**FIBER)		
174,210	CY	SILT EXCAVATION			(144)		
86,000	SY	MATting FOR EROSION CONTROL	1,400	LF	COMMUNICATIONS CABLE (**FIBER)		
450	SY	COIR FIBER MAT			(24)		
6,540	SY	PERMANENT SOIL REINFORCEMENT MAT	1,810	LF	COMMUNICATIONS CABLE (**FIBER)		
10,340	LF	1/4" HARDWARE CLOTH			(6)		
620	LF	*** TEMPORARY PIPE (18")	1,675	LF	DROP CABLE		
315	LF	*** TEMPORARY PIPE (24")	5	EA	SPLICE ENCLOSURE		
162	LF	*** TEMPORARY PIPE (30")	8	EA	MODIFY SPLICE ENCLOSURE		
200	LF	TEMPORARY PIPE FOR STREAM CROSSING	3	EA	INTERCONNECT CENTER		
6	EA	SPECIAL STILLING BASINS	22	EA	DELINEATOR MARKER		
7,560	LF	COIR FIBER WATTLE	3,900	LF	REMOVE EXISTING COMMUNICATIONS CABLE		
270	LF	COIR FIBER WATTLE BARRIER	16	EA	METAL STRAIN SIGNAL POLE		
5,940	LB	POLYACRYLAMIDE (PAM)	21	EA	SOIL TEST		
13,785	LF	COIR FIBER BAFFLE	120	CY	DRILLED PIER FOUNDATION		
23	EA	*** SKIMMER (1-1/2")	7	EA	SIGN FOR SIGNALS		
7	EA	*** SKIMMER (2")	6	EA	TYPE I POST WITH FOUNDATION		
2	EA	*** SKIMMER (2-1/2")	14	EA	TYPE II PEDESTAL WITH FOUNDATION		
			3	EA	SIGNAL CABINET FOUNDATION		
			2	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION		
			3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)		
			16	EA	DETECTOR CARD (TYPE 2070L)		
			3	EA	CABINET BASE EXTENDER		
			2	EA	TRAFFIC SIGNAL REMOVAL		
			5	EA	METAL POLE FOUNDATION REMOVAL		
			5	EA	METAL POLE REMOVAL		
			22	EA	GENERIC SIGNAL ITEM		
					5/8" X 10' GROUNDING ELECTRODE		

			9,585	SF	MSE RETAINING WALL NO **** (W9)	
			74,545	SF	SOIL NAIL RETAINING WALLS	
1	EA	GENERIC SIGNAL ITEM 6" X 6" WOOD PEDESTAL	19	EA	SOIL NAIL VERIFICATION TESTS	
4	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY	127	EA	SOIL NAIL PROOF TESTS	
4	EA	GENERIC SIGNAL ITEM CCTV FIELD EQUIPMENT CABINET	400	SF	SEGMENTAL GRAVITY RETAINING WALLS	
4	EA	GENERIC SIGNAL ITEM CCTV METAL POLE	7,455	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 1	
1	EA	GENERIC SIGNAL ITEM CENTRAL MEDIA CONVERTER	32,285	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 2	
4	EA	GENERIC SIGNAL ITEM CENTRAL VIDEO DECODER UNIT	22,845	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 3	
1	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER	81,315	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 6	
1	EA	GENERIC SIGNAL ITEM DMS PEDESTAL STRUCTURE	65,100	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 7	
1	EA	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN	31,365	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 8	
5	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT	61,965	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL NO 9	
1	EA	GENERIC SIGNAL ITEM ETHERNET CORE SWITCH INTERFACE MODULE	370	SF	GENERIC RETAINING WALL ITEM STEEL SHEET PILE RETAINING WALL	
5	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH			***** BEGIN SCHEDULE IA ***** ***** ( 2 ALTERNATES ) *****	
1	EA	GENERIC SIGNAL ITEM FURNISH CCTV CAMERA ASSEMBLY	5,930	SF	SOIL NAIL RETAINING WALLS	
1	EA	GENERIC SIGNAL ITEM FURNISH FIELD ETHERNET SWITCH			*** OR ***	
5	EA	GENERIC SIGNAL ITEM INTERCONNECT CENTER (6-FIBER)	3,330	SF	MSE RETAINING WALL NO **** (W12)	
1	EA	GENERIC SIGNAL ITEM MASTER DISTRIBUTION AMPLIFIER	3,080	SF	MSE RETAINING WALL NO **** (W13)	
1	EA	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINATION PANEL (WOOD PEDESTAL MOUNT)			*** END SCHEDULE IA ***	
					<b>STRUCTURE ITEMS</b>	
1	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTOR - SINGLE ZONE	323.39	LF	VINYL COATED CHAIN LINK FENCE, *** FABRIC (79")	
2	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE EQUIPMENT	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 13+62.84 -PED-)	
1	EA	GENERIC SIGNAL ITEM RACK-MOUNTED VIDEO DECODER CHASSIS	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 25+18.62 -Y6-)	
Lump Sum	LS	GENERIC SIGNAL ITEM INTEGRATION AND CONFIGURATION	2	EA	PDA TESTING	
Lump Sum	LS	GENERIC SIGNAL ITEM OVERHEAD CABLE TRAY	43,532	SF	REINFORCED CONCRETE DECK SLAB	
440	LF	GENERIC SIGNAL ITEM #4 SOLID BARE GROUNDING CONDUCTOR	43,838	SF	GROOVING BRIDGE FLOORS	
1,930	LF	GENERIC SIGNAL ITEM 3-WIRE COPPER FEEDER CONDUCTORS	637	CY	CLASS A CONCRETE (BRIDGE)	
220	LF	GENERIC SIGNAL ITEM 4-WIRE COPPER FEEDER CONDUCTORS	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+18.62 -Y6-)	
5	CY	GENERIC SIGNAL ITEM DMS FOUNDATION	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (495+22.00 -LREV- LT)	
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (495+22.00 -LREV- RT)	
			110,201	LB	REINFORCING STEEL (BRIDGE)	
			1,588	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	
			2,039.55	LF	54" PRESTRESSED CONCRETE GIRDERS	
			1,791,580	LS	APPROX ..... LBS STRUCTURAL STEEL	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (1+26.46 -SPBY8-, CULVERT #2)	6,320	LF	HP12X53 STEEL PILES	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (2+22.93 -SPCY8, CULVERT #3)	5	EA	PILE REDRIVES	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (478+64.55 -L-, CULVERT #1)	740.64	LF	TWO BAR METAL RAIL	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (505+19.00 -L-, CULVERT #4)	943.4	LF	CONCRETE BARRIER RAIL	
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (9+04.29 -RPAY8-, CULVERT #2 & CULVERT #3)	340	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 2'-6")	
			433.24	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 3'-2 3/4")	
3,894	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	122	SY	4" SLOPE PROTECTION	
4,459.8	CY	CLASS A CONCRETE (CULVERT)	Lump Sum	LS	DISC BEARINGS	
566,881	LB	REINFORCING STEEL (CULVERT)	Lump Sum	LS	ELASTOMERIC BEARINGS	
			Lump Sum	LS	FOAM JOINT SEALS	
			Lump Sum	LS	EXPANSION JOINT SEALS	
			1,252.7	LF	GENERIC STRUCTURE ITEM CONCRETE BARRIER RAIL WITH MOMENT SLAB	

**CULVERT ITEMS**

**WALL ITEMS**

5,050	SF	MSE RETAINING WALL NO **** (W10)
6,665	SF	MSE RETAINING WALL NO **** (W7)
7,475	SF	MSE RETAINING WALL NO **** (W8)

