

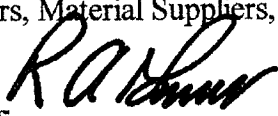
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

November 20, 2007

Notice To: Prospective Bidders, Material Suppliers, and Subcontractors

From: R.A. Garris, P.E.   
State Contract Officer

Subject: *2006 Metric Standard Specifications for Roads and Structures  
and 2006 Metric Roadway Standard Drawings*

In 1999, the North Carolina Department of Transportation elected to return to the English measurement system when developing project plans as a result of the elimination of the FHWA metric requirement in the 1998 TEA 21 legislation. However, design efforts had already begun on approximately sixty projects utilizing the metric measurement system. Of those, some remained metric and were let under the 2002 Specifications and Standards, and some were re-engineered (converted) to English plans. Currently, there are fourteen projects that will be designed, let and constructed utilizing the 2006 Metric Specifications and Standards. See attached list for project information and tentative let dates.

The Metric Specifications Book is a mirror image of the 2006 (English) Specifications Book, except for the conversion to metric units and dimensions. The 2006 Metric Standard Drawings is a mirror image of the 2006 (English) Standard Drawings, except that Standards 840.25 and 700.01 have been updated to match Details 840D25 and 700D01. The Specifications and Standards are available in .pdf on the Projects Services Website at: <http://www.ncdot.org/doh/preconstruct/ps/contracts/default.html>

The 2006 Metric Specifications and Standards are being printed within the Department and are available for purchase. Due to the small number of metric projects to be let over the next several years, a limited number will be printed. Therefore we ask that you review the attached list of projects and not order immediately if projects of interest to you are further out in the future. This will allow us to manage the printing demands much more efficiently. The 2006 Metric Standard Specifications for Roads and Structures and the 2006 Metric Roadway Standard Drawings are \$25.00 each plus 6.75% North Carolina sales tax. To request a copy, please contact Rick Montanez at 919-250-4014, or place your order electronically at the following Website:  
<http://www.ncdot.org/doh/preconstruct/altern/value/manuals/puborder.html>

If you have any questions, I can be reached at (919) 250-4124.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACTS & PROPOSALS  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4124  
FAX: 919-250-4127

WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

**LOCATION:**  
CENTURY CENTER COMPLEX  
BUILDING B - ENTRANCE B 15  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

TIP#	DIVISION	COUNTY	DESCRIPTION	TENTATIVE LET DATE
R-2518A	13	MADISON	US 19 FROM MADISON CL TO SR 1336 IN YANCEY COUNTY	JULY 15, 2008
R-2518B	13	MADISON YANCEY	US 19 FROM I-26 IN MADISON CO. TO SR 1336 IN YANCEY CO.	JULY 15, 2008
R-2554BA	4	WAYNE	US 70 GOLDSBORO BYPASS	AUGUST 19, 2008
R-2206BA R-2206CA	12	LINCOLN	NC 16 FROM NC 73 TO SR1895 AT EXISTING NC 16 NORTH OF CHRONICLE IN CATAWBA COUNTY	AUGUST 19, 2008
R-2301A	2	CRAVEN JONES	US 17 (NEW BERN BYPASS) FROM US 17 SOUTH OF NEW BERN TO US 70	NOVEMBER 18, 2008
U-2519E X-0002B	6	CUMBERLAND ROBERSON	FAYETTEVILLE OUTER LOOP FROM WEST OF NC 24 TO 1.3 MILES EAST OF NC 87-210	NOVEMBER 18, 2008
X-0002C	6	CUMBERLAND	NC 24 EXTENSION (FAYETTEVILLE OUTER LOOP) FROM 1.3 MILES EAST OF NC 87-210 TO WEST OF US 401	NOVEMBER 18, 2008
U-2519DA	6	CUMBERLAND	FAYETTEVILLE OUTER LOOP FROM EAST OF SR 1415 TO EAST OF NC 24	DECEMBER 16, 2008
R-2824	13	BURKE	SR 1546 FROM SR 1545 TO SR 1001	JANUARY 20, 2009
R-2414A	1	CAMDEN	US 158-NC 34 FROM EAST OF PASQUATANK RIVER IN ELIZABETH CITY TO SOUTH OF SR 1257	MARCH 17, 2009
R-2814A	5	WAKE	US 401 FROM SR 2044 TO NORTH OF SR 2226	OCTOBER 20, 2009
R-2414B	1	CAMDEN	US 158/NC 34 FROM NORTH OF SR 1257 TO EAST OF NC 34 IN BELCROSS	NOVEMBER 17, 2009
R-2519A	13	YANCEY	US 19 EAST FROM SR 1336 TO NC 80	FEBRUARY 16, 2010
R-2413C	7	GUILFORD ROCKINGHAM	NC 68 CONNECTOR -US 220 FROM THE HAW RIVER TO EXISTING NC 68/US 220 INTERSECTION	MARCH 16, 2010



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

October 23, 2007

**MEMORANDUM TO:** Prospective Bidders  
**FROM:** R. A. Garris, P.E. *RAG*  
Contract Officer  
**SUBJECT:** Work Zone Traffic Control Qualifications and Training Program

The Department is pursuing a Work Zone Traffic Control Qualifications and Training Program for DOT, CEI, Contractor, and Encroachment Agreement personnel. The purpose of this memo is to outline the goals of the Department and inform CEI and Contractor personnel impacted. Training for this certification will be provided by NCDOT approved training sources and/or private entities that have been pre-approved to train themselves. On the job training will also be a requirement of proper qualifications. To obtain detailed information regarding the Work Zone Qualifications and Training Program, please visit our web site at [www.ncdot.org/~wztc](http://www.ncdot.org/~wztc) or contact Meredith McDiarmid of the Work Zone Traffic Control Unit at [mmediarmid@dot.state.nc.us](mailto:mmediarmid@dot.state.nc.us) or by phone at (919) 250-4159.

Generally described, three (3) levels of qualification and training requirements are being developed:

**Work Zone Traffic Control Supervisors**

Targets Work Zone Traffic Control Supervisors on Significant Projects. Supervisors will be required to attend extensive training and have considerable qualifications to comply. Significant Projects will be identified by the Department and designated as such in the project bid proposal. Significant Projects are generally defined as follows:

- A project that will impact the traveling public at the metropolitan or regional level (and possibly more broadly)
- A project that has a high level of public interest
- A project that will directly impact a moderate to high number of travelers
- A project that has high user cost impacts
- A project that has a duration that is moderate to long

Our present goal is for properly qualified and trained Work Zone Traffic Control Supervisors to be required on Significant Projects **beginning July 2010**.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACTS AND PROPOSALS  
1591 MAIL SERVICE CENTER  
RALEIGH, NORTH CAROLINA 27699-1591

TELEPHONE: 919-250-4124  
FAX: 919-250-4127  
WEBSITE: [WWW.DOH.DOT.STATE.NC.US](http://WWW.DOH.DOT.STATE.NC.US)

**LOCATION:**  
CENTURY CENTER COMPLEX  
BUILDING B-ENTRANCE B 15  
1020 BIRCH RIDGE DRIVE  
RALEIGH, NORTH CAROLINA 27610

## Prospective Bidders

### Work Zone Traffic Control Qualifications and Training Program

Page 2 of 2

#### **Work Zone Traffic Control Installers**

Targets Work Zone Traffic Control Installers for any type of work zone traffic control installation on all projects. One Work Zone Traffic Control Certified Installer will be required for each traffic control installation crew. Our present goal is for properly qualified and trained Work Zone Traffic Control Installers to be required **beginning January 2010**.

#### **Work Zone Flaggers**

Targets flaggers for any type of flagging operation on all projects. All flaggers will be required to be certified. The implementation date for Flaggers has not yet been determined but will follow the implementation date for Flagger Instructors. Our present goal is for properly qualified and trained Work Zone Flaggers to be required **beginning July 2009**.

If implementation of this program proves to be a successful tool in making our work zones safer for the motorist and worker, the program may be expanded to include all projects. We appreciate the precautions you take and decisions you make on a daily basis that contribute to a safer work zone program for North Carolina.

RAG/mmm

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

ELECTRONIC BIDS FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE PROJECT SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON JUNE 17, 2008. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

BIDS SHALL BE SUBMITTED IN ACCORDANCE WITH THE SPECIAL PROVISION TITLED "ON-LINE ELECTRONIC BIDDING" CONTAINED IN EACH PROPOSAL FORM.

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  
<http://www.ncdot.org/doh/construction/ps/contracts/letting.html>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE ADDRESSED TO THE STATE CONTRACT OFFICER AT 919-250-4124.

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 (919-250-4124), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, PROJECT SERVICES 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 7% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "**N.C. DEPARTMENT OF TRANSPORTATION**".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS MAY 20, 2008.  
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION  
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 21Mar2006)

## **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) 482-7977
00002	C. E. Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 830-3490
00003	H. Allen Pope, PE	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Richard E Greene, Jr., PE	PO BOX 3165	WILSON	(252) 237-6164
00005	J. Wally Bowman, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Terry R Gibson, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 334-3192
00008	Tim Johnson, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 703-6500
00010	Barry S Moose, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 667-9111
00012	Michael L Holder, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

**Bid Letting Number** L080617

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
004	C201960	41827.3.1	PERQUIMANS	2.100 MI	BRIDGE DECK AND END DIAPHRAGMS REPAIR.
005	C201846	39833.3.1	CRAVEN	1.110 MI	GRADING, DRAINAGE, PAVING & SIGNALS.
006	C202082	2CR.10521.7 ETC.	CRAVEN, LENOIR, PITT	18.300 MI	RESURFACING & SHOULDER RECONSTRUCTION.
007	C201853	33555.3.1	NASH	0.133 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
008	C201854	33556.2.2	NASH	0.133 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
009	C202108	33555.3.1 ETC.	NASH	0.266 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
010	C201566	33421.3.1	CASWELL	0.152 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
*011	C201859	39075.3.1	GUILFORD	0.000 MI	ITS, SIGNALS.
012	C201785	32620.2.3	IREDELL	0.166 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
013	C201849	33399.3.1	BUNCOMBE	0.168 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURES.
014	C201812	33404.3.1	BURKE	0.241 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
015	C201852	33549.3.1	MITCHELL	0.237 MI	GRADING, DRAINAGE, PAVING, TEMP SIGNALS, AND STRUCTURES.
016	C201369	34958.3.1	BUNCOMBE	1.683 MI	WIDENING, GRADING, DRAINAGE, PAVING, CURB & GUTTER, SIGNALS.
017	C202104	39972.3.GV1	MCDOWELL	12.260 MI	PAVEMENT REHABILITATION.
018	C201961	41815.3.1	JACKSON	7.500 MI	GRADING, PAVING, AND GUARDRAIL.

**Bid Letting Number** L080715

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
001	C201372	34445.4.1	MADISON, YANCEY	10.582 KM	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
002	C202007	34445.4.2	YANCEY	11.119 KM	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.
003	C202107	34445.4.1 ETC.	MADISON, YANCEY	21.745 KM	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

<p><b>*NOTE: ON RPN 11 GUILFORD COUNTY C201859 U-4711, THE CHARGE FOR PLANS WILL BE AS FOLLOWS:</b>  <b>PROPOSAL \$25</b>  <b>SMALL PLANS \$60</b>  <b>LARGE PLANS \$200</b></p>
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## FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 004

CONTRACT ID : C201960 41827.3.1

DIV OFFICE EDENTON

LENGTH = 2.100 MI

COUNTY : PERQUIMANS

BRIDGE DECK AND END DIAPHRAGMS REPAIR.

DBE GOAL 2.0% COMPLETION DATE : DEC 12 2008

BRIDGE OVER PERQUIMANS RIVER ON US-17.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,500	SY	INCIDENTAL MILLING
80	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
480	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
250	LF	RELAPPING GUARDRAIL
150	SY	FILTER FABRIC FOR DRAINAGE
914	SF	WORK ZONE SIGNS (STATIONARY)
265	SF	WORK ZONE SIGNS (PORTABLE)
78	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW PANELS, TYPE C
2	EA	CHANGEABLE MESSAGE SIGN
351	EA	DRUMS
120	LF	BARRICADES (TYPE III)
313	EA	TUBULAR MARKERS (FIXED)
460	EA	TEMPORARY RAISED PAVEMENT MARKERS
31,660	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
12	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24") (IV)
6	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
13,095	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)
13,095	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
6	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
146	EA	PERMANENT RAISED PAVEMENT MARKERS
50	TON	STONE FOR EROSION CONTROL, CLASS A
16	TON	STONE FOR EROSION CONTROL, CLASS B
4	TON	SEDIMENT CONTROL STONE
1	ACR	SEEDING & MULCHING
72,035	SF	GROOVING BRIDGE FLOORS
470	CY	LATEX MODIFIED CONC OVERLAY
9,010	SY	PLACING & FINISHING OF LATEX MODIFIED CONC OVERLAY
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
Lump Sum	LS	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
75	CF	GENERIC STRUCTURE ITEM EPOXY MORTAR REPAIRS

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

L080617 005

CONTRACT ID : C201846 39833.3.1

DIV OFFICE GREENVILLE

LENGTH = 1.110 MI

COUNTY : CRAVEN

GRADING, DRAINAGE, PAVING &amp; SIGNALS.

DBE GOAL 6.0% COMPLETION DATE : NOV 15 2009

US-70 BUS (BROAD ST) FROM SR-1200 (FIRST ST) TO US-70 BUS (EAST FRONT ST) IN NEW BERN.

		ROADWAY ITEMS			
				160	LF PAVED TRENCHING (***** (1, 2")
				300	LF UNPAVED TRENCHING (***** (1, 2")
				985	LF DIRECTIONAL DRILL (***** (2, 2")
				26	EA JUNCTION BOX (STANDARD SIZE)
				1,060	LF INDUCTIVE LOOP SAWCUT
				930	LF LEAD-IN CABLE (***** (14-2)
				10	EA METAL POLE WITH SINGLE MAST ARM
				6	EA METAL POLE WITH DUAL MAST ARM
				16	EA SOIL TEST
				108	CY DRILLED PIER FOUNDATION
				2	EA SIGNAL PEDESTAL WITH FOUNDATION
				16	EA MAST ARM WITH METAL POLE DE- SIGN
				9	EA SIGN FOR SIGNALS
				2	EA LED BLANKOUT SIGN
				4	EA GENERIC SIGNAL ITEM RELOCATE EXISTING CONTROLLERS WITH CABINETS
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	GRADING			
30	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			
824	LF	15" RC PIPE CULVERTS, CLASS III			
60	LF	18" RC PIPE CULVERTS, CLASS III			
456	LF	30" RC PIPE CULVERTS, CLASS III			
1	EA	*** RC PIPE ELBOWS, CLASS III (30")			
577	LF	PIPE REMOVAL			
500	TON	INCIDENTAL STONE BASE			
28,850	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 6")			
500	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B			
2,610	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
181	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
0.4	CY	PIPE COLLARS			
0.4	CY	PIPE PLUGS			
79	EA	MASONRY DRAINAGE STRUCTURES			
9	LF	MASONRY DRAINAGE STRUCTURES			
1	EA	FRAME WITH GRATE, STD 840.**** (840.16)			
10	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
23	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
29	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
2	EA	FRAME WITH COVER, STD 840.54			
690	LF	***X *** CONCRETE CURB (8" X 12")			
6,200	LF	1'-6" CONCRETE CURB & GUTTER			
9,220	LF	2'-6" CONCRETE CURB & GUTTER			
7,650	SY	4" CONCRETE SIDEWALK			
90	EA	CONCRETE WHEELCHAIR RAMPS			
900	SY	6" CONCRETE DRIVEWAY			
530	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
2	EA	ADJUSTMENT OF CATCH BASINS			
1	EA	ADJUSTMENT OF DROP INLETS			
95	EA	ADJUSTMENT OF MANHOLES			
49	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
744	SF	WORK ZONE SIGNS (STATIONARY)			
175	EA	DRUMS			
26,755	LF	PAINT PAVEMENT MARKING LINES (4")			
5,406	LF	PAINT PAVEMENT MARKING LINES (8")			
626	LF	PAINT PAVEMENT MARKING LINES (24")			
46	EA	PAINT PAVEMENT MARKING SYMBOL			
200	TON	SEDIMENT CONTROL STONE			
2,240	LF	1/4" HARDWARE CLOTH			
0.7	ACR	SEEDING & MULCHING			
4,550	LF	SIGNAL CABLE			
36	EA	VEHICLE SIGNAL HEAD (8", 3 SECTION)			
11	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
2	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			
3	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
8	EA	LOUVER			

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080617 006

CONTRACT ID : C202082 2CR.10521.7

DIV OFFICE GREENVILLE

LENGTH = 18.300 MI

COUNTY : CRAVEN, LENOIR, PITT

RESURFACING &amp; SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : JUL 01 2009

NC-118 FROM NC-43 IN CRAVEN CO TO NC-11 IN LENOIR CO.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
34.8	SMI	SHOULDER RECONSTRUCTION
29,775	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
15,841	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
27,510	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,675	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
4	EA	ADJUSTMENT OF MANHOLES
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
196,908	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
120,780	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
700	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
42	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 007

CONTRACT ID : C201853 33555.3.1

DIV OFFICE WILSON

LENGTH = 0.133 MI

COUNTY : NASH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : DEC 31 2008

BRIDGE OVER TURKEY CREEK & APPROACHES ON SR-1131.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
300	CY	UNDERCUT EXCAVATION
200	CY	SELECT GRANULAR MATERIAL
200	SY	FABRIC FOR SOIL STABILIZATION
13	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
50	TON	INCIDENTAL STONE BASE
275	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
345	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
20	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
8	EA	RIGHT OF WAY MARKERS
22.4	CY	SUBDRAIN EXCAVATION
16.8	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
105	LF	SHOULDER BERM GUTTER
575	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
1	TON	RIP RAP, CLASS B
180	SY	FILTER FABRIC FOR DRAINAGE
45	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
2	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
282	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
64	LF	BARRICADES (TYPE III)
5,600	LF	PAINT PAVEMENT MARKING LINES (4")
9	EA	PERMANENT RAISED PAVEMENT MARKERS
375	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
100	TON	STONE FOR EROSION CONTROL, CLASS B
60	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
50	LF	TEMPORARY SLOPE DRAINS
2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
180	LF	SAFETY FENCE
350	CY	SILT EXCAVATION
675	SY	MATTING FOR EROSION CONTROL
20	SY	COIR FIBER MAT
150	LF	1/4" HARDWARE CLOTH
125	LF	COIR FIBER BAFFLES
3	EA	*** SKIMMER (1-1/2")
1.5	ACR	SEEDING & MULCHING
0.5	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
2	HR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION
***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****		
112	LF	15" RC PIPE CULVERTS, CLASS III
*** OR ***		
72	LF	15" RC PIPE CULVERTS, CLASS III
40	LF	***" HDPE PIPE CULVERTS (15")
*** OR ***		
72	LF	15" RC PIPE CULVERTS, CLASS III
40	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (15", 0.064")
*** END SCHEDULE AA ***		

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+47.50-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (17+47.50-L-)
41.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+47.50-L-)
6,994	LB	REINFORCING STEEL (BRIDGE)
400	LF	HP12X53 STEEL PILES
180	LF	HP14X73 GALVANIZED STEEL PILES
12	EA	PILE REDRIVES
205.3	LF	CONCRETE BARRIER RAIL
573	TON	RIP RAP CLASS II (2'-0" THICK)
637	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,231.5	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 008

CONTRACT ID : C201854 33556.2.2

DIV OFFICE WILSON

LENGTH = 0.133 MI

COUNTY : NASH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : DEC 31 2008

BRIDGE OVER TURKEY CREEK & APPROACHES ON SR-1151.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+50.00)
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
200	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
4,650	CY	BORROW EXCAVATION
62	CY	DRAINAGE DITCH EXCAVATION
200	CY	SELECT GRANULAR MATERIAL
200	SY	FABRIC FOR SOIL STABILIZATION
50	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
40	LF	*** SIDE DRAIN PIPE (30")
52	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
3	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
29	LF	PIPE REMOVAL
32	TON	AGGREGATE BASE COURSE
200	TON	INCIDENTAL STONE BASE
270	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
330	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
34	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
20	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
14	EA	RIGHT OF WAY MARKERS
22.4	CY	SUBDRAIN EXCAVATION
16.8	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
6	EA	MASONRY DRAINAGE STRUCTURES
5	EA	FRAME WITH TWO GRATES, STD 840.29
1	EA	FRAME WITH COVER, STD 840.54
300	LF	SHOULDER BERM GUTTER
120	SY	6" CONCRETE DRIVEWAY
612.5	LF	STEEL BM GUARDRAIL
87.5	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 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
9	TON	RIP RAP, CLASS B
271	SY	FILTER FABRIC FOR DRAINAGE
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
310	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
80	LF	BARRICADES (TYPE III)
5,600	LF	PAINT PAVEMENT MARKING LINES (4")
10	EA	PERMANENT RAISED PAVEMENT MARKERS
1,065	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
120	TON	STONE FOR EROSION CONTROL, CLASS B
65	TON	SEDIMENT CONTROL STONE
2	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING

1.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
220	LF	TEMPORARY SLOPE DRAINS
6	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
240	LF	SAFETY FENCE
420	CY	SILT EXCAVATION
395	SY	MATTING FOR EROSION CONTROL
30	SY	COIR FIBER MAT
160	SY	PERMANENT SOIL REINFORCEMENT MAT
100	LF	1/4" HARDWARE CLOTH
175	LF	COIR FIBER BAFFLES
5	EA	*** SKIMMER (1-1/2")
2.5	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.5	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

\*\*\*\*\* BEGIN SCHEDULE AA \*\*\*\*\*  
\*\*\*\*\* ( 3 ALTERNATES ) \*\*\*\*\*

360	LF	15" RC PIPE CULVERTS, CLASS III
		*** OR ***
56	LF	15" RC PIPE CULVERTS, CLASS III
304	LF	**** HDPE PIPE CULVERTS (15")
		*** OR ***
56	LF	15" RC PIPE CULVERTS, CLASS III
304	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (15", 0.064")

\*\*\* END SCHEDULE AA \*\*\*

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+50.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (13+50.00-L-)
37.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+50.00-L-)
5,758	LB	REINFORCING STEEL (BRIDGE)
900	LF	HP12X53 STEEL PILES
8	EA	PILE REDRIVES
195.39	LF	CONCRETE BARRIER RAIL
350	TON	RIP RAP CLASS II (2'-0" THICK)
390	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,074.62	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 009

CONTRACT ID : C202108 33555.3.1

DIV OFFICE WILSON

LENGTH = 0.266 MI

COUNTY : NASH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : DEC 31 2008

BRIDGE OVER TURKEY CREEK & APPROACHES ON SR-1131 AND BRIDGE OVER TURKEY CREEK & APPROACHES ON SR-1151.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+50.00)
2	ACR	SUPPLEMENTARY CLEARING & GRUBBING
500	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
4,650	CY	BORROW EXCAVATION
62	CY	DRAINAGE DITCH EXCAVATION
400	CY	SELECT GRANULAR MATERIAL
400	SY	FABRIC FOR SOIL STABILIZATION
63	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
40	LF	*** SIDE DRAIN PIPE (30")
52	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
3	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
29	LF	PIPE REMOVAL
32	TON	AGGREGATE BASE COURSE
250	TON	INCIDENTAL STONE BASE
545	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
675	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
69	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
40	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
22	EA	RIGHT OF WAY MARKERS
44.8	CY	SUBDRAIN EXCAVATION
33.6	CY	SUBDRAIN FINE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
6	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE (SUBDRAINS)
8	EA	MASONRY DRAINAGE STRUCTURES
7	EA	FRAME WITH TWO GRATES, STD 840.29
1	EA	FRAME WITH COVER, STD 840.54
405	LF	SHOULDER BERM GUTTER
120	SY	6" CONCRETE DRIVEWAY
1,187.5	LF	STEEL BM GUARDRAIL
87.5	LF	STEEL BM GUARDRAIL, SHOP CURVED
10	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
10	TON	RIP RAP, CLASS B
451	SY	FILTER FABRIC FOR DRAINAGE
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
45	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
2	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
592	SF	WORK ZONE SIGNS (STATIONARY)
188	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
144	LF	BARRICADES (TYPE III)
11,200	LF	PAINT PAVEMENT MARKING LINES (4")
19	EA	PERMANENT RAISED PAVEMENT MARKERS
1,440	LF	TEMPORARY SILT FENCE
150	TON	STONE FOR EROSION CONTROL, CLASS A

220	TON	STONE FOR EROSION CONTROL, CLASS B
125	TON	SEDIMENT CONTROL STONE
3	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
2.5	TON	FERTILIZER FOR TEMPORARY SEEDING
270	LF	TEMPORARY SLOPE DRAINS
8	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
420	LF	SAFETY FENCE
770	CY	SILT EXCAVATION
1,070	SY	MATTING FOR EROSION CONTROL
50	SY	COIR FIBER MAT
160	SY	PERMANENT SOIL REINFORCEMENT MAT
250	LF	1/4" HARDWARE CLOTH
300	LF	COIR FIBER BAFFLES
8	EA	*** SKIMMER (1-1/2")
4	ACR	SEEDING & MULCHING
2	ACR	MOWING
100	LB	SEED FOR REPAIR SEEDING
0.5	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.25	TON	FERTILIZER TOPDRESSING
4	HR	SPECIALIZED HAND MOWING
24	EA	RESPONSE FOR EROSION CONTROL
0.2	ACR	REFORESTATION
		***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****
472	LF	15" RC PIPE CULVERTS, CLASS III
		*** OR ***
128	LF	15" RC PIPE CULVERTS, CLASS III
344	LF	*** HDPE PIPE CULVERTS (15")
		*** OR ***
128	LF	15" RC PIPE CULVERTS, CLASS III
344	LF	*** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (15", 0.064")
		*** END SCHEDULE AA ***

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+50.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+47.50-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (13+50.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (17+47.50-L-)
79.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+50.00-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+47.50-L-)
12,752	LB	REINFORCING STEEL (BRIDGE)
1,300	LF	HP12X53 STEEL PILES
180	LF	HP14X73 GALVANIZED STEEL PILES
20	EA	PILE REDRIVES
400.69	LF	CONCRETE BARRIER RAIL
923	TON	RIP RAP CLASS II (2'-0" THICK)
1,027	SY	FILTER FABRIC FOR DRAINAGE

Lump Sum	LS	ELASTOMERIC BEARINGS
1,074.62	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
1,231.5	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 010

CONTRACT ID : C201566 33421.3.1

DIV OFFICE GREENSBORO

LENGTH = 0.152 MI

COUNTY : CASWELL

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2009

BRIDGE OVER HOGAN'S CREEK & APPROACHES ON SR-1503.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+80.00 -L-)
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
250	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
2,330	CY	BORROW EXCAVATION
200	CY	SELECT GRANULAR MATERIAL
200	SY	FABRIC FOR SOIL STABILIZATION
180	SF	TEMPORARY SHORING
25	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
48	LF	15" RC PIPE CULVERTS, CLASS III
8	LF	24" RC PIPE CULVERTS, CLASS III
44	LF	15" CS PIPE CULVERTS, 0.064" THICK
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")
56	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
64	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
80	LF	PIPE REMOVAL
1	EA	PIPE CLEAN-OUT
545	TON	AGGREGATE BASE COURSE
100	TON	INCIDENTAL STONE BASE
480	GAL	PRIME COAT
300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
370	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
37	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
9	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
21	EA	RIGHT OF WAY MARKERS
60	CY	SUBDRAIN EXCAVATION
50	CY	SUBDRAIN FINE AGGREGATE
250	LF	6" PERFORATED SUBDRAIN PIPE
9	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
1	CY	PIPE COLLARS
5	EA	MASONRY DRAINAGE STRUCTURES
5	EA	FRAME WITH GRATE, STD 840.29
270	LF	SHOULDER BERM GUTTER
375	LF	STEEL BM GUARDRAIL
100	LF	STEEL BM GUARDRAIL, SHOP CURVED
30	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
125	LF	TEMPORARY STEEL BM GUARDRAIL
50	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (TL-2)

2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
237	TON	RIP RAP, CLASS B
923	SY	FILTER FABRIC FOR DRAINAGE
128	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
56	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
60	EA	DRUMS
30	EA	CONES
64	LF	BARRICADES (TYPE III)
640	HR	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
137	EA	TEMPORARY RAISED PAVEMENT MARKERS
19,220	LF	PAINT PAVEMENT MARKING LINES (4")
135	LF	PAINT PAVEMENT MARKING LINES (24")
18	EA	PERMANENT RAISED PAVEMENT MARKERS
1,420	LF	TEMPORARY SILT FENCE
170	TON	STONE FOR EROSION CONTROL, CLASS A
330	TON	STONE FOR EROSION CONTROL, CLASS B
150	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
50	LF	TEMPORARY SLOPE DRAINS
2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
1,150	CY	SILT EXCAVATION
610	SY	MATTING FOR EROSION CONTROL
60	SY	PERMANENT SOIL REINFORCEMENT MAT
100	LF	1/4" HARDWARE CLOTH
390	LF	COIR FIBER BAFFLES
2.5	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
1.75	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
27	EA	RESPONSE FOR EROSION CONTROL
0.6	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (23+80.00-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (23+80.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (23+80.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (23+80.00-L-)
6,562	SF	REINFORCED CONCRETE DECK SLAB
5,827	SF	GROOVING BRIDGE FLOORS
66.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+80.00-L-)
10,276	LB	REINFORCING STEEL (BRIDGE)
826	LF	54" PRESTRESSED CONCRETE GIR- DERS



520	LF	HP12X53 STEEL PILES
375	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
416.67	LF	CONCRETE BARRIER RAIL
176	TON	RIP RAP CLASS II (2'-0" THICK)
195	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

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

L080617 011

CONTRACT ID : C201859 39075.3.1

DIV OFFICE GREENSBORO

LENGTH = 0.000 MI

COUNTY : GUILFORD

ITS, SIGNALS.

DBE GOAL 2.0% COMPLETION DATE : APR 15 2013

## GREENSBORO COMPUTERIZED TRAFFIC SIGNAL SYSTEM.

Lump Sum		ROADWAY ITEMS				
	LS	MOBILIZATION		1	EA	GENERIC SIGNAL ITEM 900 MHZ WIRELESS RADIO SYSTEM, TYPE D
50	SY	4" CONCRETE SIDEWALK		41	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY
538	SF	WORK ZONE SIGNS (PORTABLE)		49	EA	GENERIC SIGNAL ITEM CENTRAL VIDEO CODEC
2	EA	FLASHING ARROW PANELS, TYPE C		379	EA	GENERIC SIGNAL ITEM CONTROLLER WITH CABINET (2070L, 332 BASE MOUNT)
1	EA	CHANGEABLE MESSAGE SIGN		59	EA	GENERIC SIGNAL ITEM CONTROLLER WITH CABINET (2070L, 336S, POLE OR BASE MOUNT)
33	EA	DRUMS		42	EA	GENERIC SIGNAL ITEM DSL ETHERNET SWITCH
33	EA	CONES		3	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET (333 BASE MOUNT)
30	MD	FLAGGER		423	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH
2	EA	TMIA		28	EA	GENERIC SIGNAL ITEM FIELD VIDEO CODEC UNIT
40,000	LF	SIGNAL CABLE		20	EA	GENERIC SIGNAL ITEM FURNISH 2070L CONTROLLER
223,800	LF	MESSENGER CABLE (1/4")		4	EA	GENERIC SIGNAL ITEM FURNISH 332 CABINET
2,000	LF	MESSENGER CABLE (3/8")		4	EA	GENERIC SIGNAL ITEM FURNISH 336 CABINET
2,700	LF	BORE & JACK (***** (1, 5")		5	EA	GENERIC SIGNAL ITEM FURNISH AC ISOLATOR CARD
53,500	LF	TRACER WIRE		4	EA	GENERIC SIGNAL ITEM FURNISH CCTV ASSEMBLY
9,300	LF	DIRECTIONAL DRILL (***** (1, 2")		1	EA	GENERIC SIGNAL ITEM FURNISH CCTV TEST CABINET
26,700	LF	DIRECTIONAL DRILL (***** (2, 2")		1	EA	GENERIC SIGNAL ITEM FURNISH CCTV TEST MONITOR
9	EA	JUNCTION BOX (***** (SPECIAL OVER-SIZED)		20	EA	GENERIC SIGNAL ITEM FURNISH CONFLICT MONITOR
275	EA	JUNCTION BOX (STANDARD SIZE)		1	EA	GENERIC SIGNAL ITEM FURNISH CONTROLLER TESTER
387	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)		5	EA	GENERIC SIGNAL ITEM FURNISH DC ISOLATOR CARD
38	EA	WOOD POLE		80	EA	GENERIC SIGNAL ITEM FURNISH DETECTOR CARD
1,149	EA	GUY ASSEMBLY		2	EA	GENERIC SIGNAL ITEM FURNISH DSL ETHERNET SWITCH
213	EA	2" RISER WITH WEATHERHEAD		10	EA	GENERIC SIGNAL ITEM FURNISH FIBER OPTIC INTERCON- NECT CENTER
48	EA	HEAT SHRINK TUBING RETROFIT KIT		10	EA	GENERIC SIGNAL ITEM FURNISH FIELD ETHERNET SWITCH
409	EA	2" RISER WITH HEAT SHRINK TUBING		10	EA	GENERIC SIGNAL ITEM FURNISH HEAT SHRINK TUBING
31,550	LF	INDUCTIVE LOOP SAWCUT		10	EA	GENERIC SIGNAL ITEM FURNISH HEAT SHRINK TUBING RETROFIT KIT
394,200	LF	LEAD-IN CABLE (***** (14-2)		1	EA	GENERIC SIGNAL ITEM FURNISH OTDR
3	EA	MICROWAVE VEHICLE DETECTOR		200	EA	GENERIC SIGNAL ITEM FURNISH SC JUMPERS
17,400	LF	COMMUNICATIONS CABLE (**FIBER) (12)		200	EA	GENERIC SIGNAL ITEM FURNISH SC PIGTAILS
475,300	LF	COMMUNICATIONS CABLE (**FIBER) (24)		50	EA	GENERIC SIGNAL ITEM FURNISH SC SPLICE CONNECTOR
1,700	LF	COMMUNICATIONS CABLE (**FIBER) (36)		1	EA	GENERIC SIGNAL ITEM FURNISH SIGNAL MONITOR TESTER
209,800	LF	COMMUNICATIONS CABLE (**FIBER) (48)		10	EA	GENERIC SIGNAL ITEM FURNISH SPLICE ENCLOSURE
23,000	LF	COMMUNICATIONS CABLE (**FIBER) (72)		200	EA	GENERIC SIGNAL ITEM FURNISH ST JUMPERS
355	EA	SPLICE ENCLOSURE		200	EA	GENERIC SIGNAL ITEM FURNISH ST PIGTAILS
457	EA	INTERCONNECT CENTER		50	EA	GENERIC SIGNAL ITEM FURNISH ST SPLICE CONNECTOR
174	EA	DELINEATOR MARKER		2	EA	GENERIC SIGNAL ITEM FURNISH TEST 332 CABINET/CON- TROLLER
2	EA	FURNISH FIBER-OPTIC RESTORA- TION KIT		1	EA	GENERIC SIGNAL ITEM FURNISH TEST 336 CABINET/CON- TROLLER
2	EA	FURNISH FIBER-OPTIC POWER ME- TER		4	EA	GENERIC SIGNAL ITEM FURNISH VIDEO CODEC UNIT
2	EA	FURNISH OPTICAL LIGHT GENERA- TOR				
7	EA	900MHZ WIRELESS REPEATER STANDALONE RADIO SYSTEM				
53	EA	NEW ELECTRICAL SERVICE				
100	EA	CABLE TRANSFER				
86	EA	SIGNAL CABINET FOUNDATION				
392	EA	CONDUIT ENTRANCE INTO EXISTING FOUNDATION				
329	EA	MODIFY FOUNDATION FOR CONTROL- LER CABINET				
14	EA	CABINET BASE ADAPTER				
1,595	EA	DETECTOR CARD (***** (TYPE 2070L)				
379	EA	CABINET BASE EXTENDER				
4	EA	GENERIC SIGNAL ITEM 900 MHZ WIRELESS RADIO SYSTEM, TYPE A				
1	EA	GENERIC SIGNAL ITEM 900 MHZ WIRELESS RADIO SYSTEM, TYPE B				
1	EA	GENERIC SIGNAL ITEM 900 MHZ WIRELESS RADIO SYSTEM, TYPE C				

			Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 14 BUILDING MODIFICATIONS
2	EA	GENERIC SIGNAL ITEM FURNISH WI-FI ACCESS POINT	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 15 BUILDING MODIFICATIONS
2	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO SYSTEM, TYPE A	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 16 BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM GPS ANTENNA	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 18 BUILDING MODIFICATIONS
59	EA	GENERIC SIGNAL ITEM INTEGRATED CABINET BASE ADAPTER	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 19 BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM IP KVM SWITCH	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 20 BUILDING MODIFICATIONS
8	EA	GENERIC SIGNAL ITEM KVM SWITCH	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 21 BUILDING MODIFICATIONS
14	EA	GENERIC SIGNAL ITEM LCD VIDEO MONITOR	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 4 BUILDING MODIFICATIONS
23	EA	GENERIC SIGNAL ITEM METAL POLE	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 5 BUILDING MODIFICATIONS
42	EA	GENERIC SIGNAL ITEM MIS 2" RISER WITH HEAT SHRINK TUBING	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 56 BUILDING MODIFICATIONS
20	EA	GENERIC SIGNAL ITEM MIS CABLE TRANSFER	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 6 BUILDING MODIFICATIONS
109	EA	GENERIC SIGNAL ITEM MIS DELINEATOR MARKER	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 7 BUILDING MODIFICATIONS
204	EA	GENERIC SIGNAL ITEM MIS GUY ASSEMBLY	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 8 BUILDING MODIFICATIONS
27	EA	GENERIC SIGNAL ITEM MIS JUNCTION BOX (SPECIAL OVER-SIZED)	Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 9 BUILDING MODIFICATIONS
128	EA	GENERIC SIGNAL ITEM MIS JUNCTION BOX (OVER-SIZED HEAVY DUTY)	Lump Sum	LS	GENERIC SIGNAL ITEM GLENWOOD LIBRARY BUILDING MODIFICATIONS
44	EA	GENERIC SIGNAL ITEM MIS SPLICE ENCLOSURE	Lump Sum	LS	GENERIC SIGNAL ITEM GREENSBORO EMERGENCY MANAGEMENT CENTER BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM MIS WOOD POLE	Lump Sum	LS	GENERIC SIGNAL ITEM GREENSBORO SIGNAL SHOP BUILDING MODIFICATIONS
23	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE	Lump Sum	LS	GENERIC SIGNAL ITEM HISTORICAL MUSEUM BUILDING MODIFICATIONS
23	EA	GENERIC SIGNAL ITEM MODIFY EXISTING SPLICE ENCLOSURE	Lump Sum	LS	GENERIC SIGNAL ITEM KCEF LIBRARY BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM NETWORK VIDEO RECORDER	Lump Sum	LS	GENERIC SIGNAL ITEM LAN INTEGRATION
1	EA	GENERIC SIGNAL ITEM PLOTTER	Lump Sum	LS	GENERIC SIGNAL ITEM LANDFILL OFFICES BUILDING MODIFICATIONS
16	EA	GENERIC SIGNAL ITEM POLE MOUNTED CCTV EQUIPMENT CABINET	Lump Sum	LS	GENERIC SIGNAL ITEM LOCAL CONTROLLER SOFTWARE
2	EA	GENERIC SIGNAL ITEM TERMINAL SERVER	Lump Sum	LS	GENERIC SIGNAL ITEM MCGIRT-HORTON LIBRARY BUILDING MODIFICATIONS
5	EA	GENERIC SIGNAL ITEM TERMINAL SPLICE BOX	Lump Sum	LS	GENERIC SIGNAL ITEM NCDOT PTRTMC BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM UHF MODULATOR	Lump Sum	LS	GENERIC SIGNAL ITEM P&R MAINTENANCE BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM VIDEO PROJECTION UNIT	Lump Sum	LS	GENERIC SIGNAL ITEM SANFORD SMITH BUILDING MODIFICATIONS
1	EA	GENERIC SIGNAL ITEM VIDEO WALL	Lump Sum	LS	GENERIC SIGNAL ITEM SIGNAL SYSTEM SOFTWARE
41	EA	GENERIC SIGNAL ITEM WI-FI ACCESS POINT	Lump Sum	LS	GENERIC SIGNAL ITEM SPORTSPLEX BUILDING MODIFICATIONS
3	EA	GENERIC SIGNAL ITEM WIRELESS CONTROLLER UNIT	Lump Sum	LS	GENERIC SIGNAL ITEM SWING ROAD STATION BUILDING MODIFICATIONS
Lump Sum	LS	GENERIC SIGNAL ITEM BENJAMIN LIBRARY BUILDING MODIFICATIONS	Lump Sum	LS	GENERIC SIGNAL ITEM SYSTEM SUPPORT SOFTWARE
Lump Sum	LS	GENERIC SIGNAL ITEM BURMILL PARK BUILDING MODIFICATIONS	Lump Sum	LS	GENERIC SIGNAL ITEM TANNENBAUM BUILDING MODIFICATIONS
Lump Sum	LS	GENERIC SIGNAL ITEM CCTV CENTRAL SOFTWARE	Lump Sum	LS	GENERIC SIGNAL ITEM TRAFFIC OPERATIONS CENTER BUILDING MODIFICATIONS
Lump Sum	LS	GENERIC SIGNAL ITEM CENTRAL LIBRARY BUILDING MODIFICATIONS	Lump Sum	LS	GENERIC SIGNAL ITEM TRAFFIC OPERATIONS CENTER COMPUTER ROOM BUILDING MODIFICATIONS
Lump Sum	LS	GENERIC SIGNAL ITEM COLISEUM BUILDING MODIFICATIONS	Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING
Lump Sum	LS	GENERIC SIGNAL ITEM COMPUTER HARDWARE INTEGRATION			
Lump Sum	LS	GENERIC SIGNAL ITEM CONE BUILDING BUILDING MODIFICATIONS			
Lump Sum	LS	GENERIC SIGNAL ITEM CURB MARKET BUILDING MODIFICATIONS			
Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 1 BUILDING MODIFICATIONS			
Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 10 BUILDING MODIFICATIONS			
Lump Sum	LS	GENERIC SIGNAL ITEM FIRE STATION 12 BUILDING MODIFICATIONS			

			15,400	LF	GENERIC SIGNAL ITEM UNPAVED TRENCHING (1, 2") HDPE CONDUIT
Lump Sum	LS	GENERIC SIGNAL ITEM TROTTER REC/HESTER BUILDING MODIFICATIONS	31,100	LF	GENERIC SIGNAL ITEM UNPAVED TRENCHING (2, 2") HDPE CONDUIT
Lump Sum	LS	GENERIC SIGNAL ITEM VANCE CHANVIS LIBRARY BUILDING MODIFICATIONS	700	LF	GENERIC SIGNAL ITEM UNPAVED TRENCHING (2, 2") PVC CONDUIT
4,422	LF	GENERIC SIGNAL ITEM CCTV UNIFIED CABLE	3,615	LF	GENERIC SIGNAL ITEM WI-FI ACCESS POINT POWER CABLE
3,800	LF	GENERIC SIGNAL ITEM DROP CABLE (12 FIBER)	500	SF	GENERIC SIGNAL ITEM BRICK PAVERS
182,900	LF	GENERIC SIGNAL ITEM DROP CABLE (6 FIBER)			
5,700	LF	GENERIC SIGNAL ITEM ETHERNET CABLE (OUTDOOR RATED)			
600	LF	GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (12 FIBER)			
18,100	LF	GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (24 FIBER)			
100	LF	GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (36 FIBER)			
6,400	LF	GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (48 FIBER)			
700	LF	GENERIC SIGNAL ITEM FURNISH COMMUNICATIONS CABLE (72 FIBER)			
200	LF	GENERIC SIGNAL ITEM FURNISH DROP CABLE (12 FIBER)			
5,500	LF	GENERIC SIGNAL ITEM FURNISH DROP CABLE (6 FIBER)			
100	LF	GENERIC SIGNAL ITEM FURNISH ETHERNET CABLE (OUTDOOR RATED)			
100	LF	GENERIC SIGNAL ITEM FURNISH PLENUM RATED COMMUNI- CATIONS CABLE (144 FIBER)			
800	LF	GENERIC SIGNAL ITEM FURNISH PLENUM RATED COMMUNI- CATIONS CABLE (24 FIBER)			
100	LF	GENERIC SIGNAL ITEM FURNISH PLENUM RATED COMMUNI- CATIONS CABLE (96 FIBER)			
100	LF	GENERIC SIGNAL ITEM FURNISH UNIFIED CABLE			
500	LF	GENERIC SIGNAL ITEM INDUCTIVE LOOP DOUBLE SAWCUT			
300	LF	GENERIC SIGNAL ITEM MIS BORE AND JACK (1, 5")			
125,900	LF	GENERIC SIGNAL ITEM MIS COMMUNICATIONS CABLE (24 FIBER)			
1,300	LF	GENERIC SIGNAL ITEM MIS COMMUNICATIONS CABLE (48 FIBER)			
7,000	LF	GENERIC SIGNAL ITEM MIS DIRECTIONAL DRILL (2, 2")			
88,500	LF	GENERIC SIGNAL ITEM MIS MESSENGER CABLE (1/4")			
300	LF	GENERIC SIGNAL ITEM MIS MULTI-DUCT (2, 2") IN OUT- ER-DUCT (1, 5")			
100	LF	GENERIC SIGNAL ITEM MIS PAVED TRENCHING (1, 2") HDPE CONDUIT			
100	LF	GENERIC SIGNAL ITEM MIS PAVED TRENCHING (2, 2") HDPE CONDUIT			
700	LF	GENERIC SIGNAL ITEM MIS PLENUM RATED COMMUNICA- TIONS CABLE (144 FIBER)			
23,900	LF	GENERIC SIGNAL ITEM MIS PLENUM RATED COMMUNICA- TIONS CABLE (24 FIBER)			
700	LF	GENERIC SIGNAL ITEM MIS PLENUM RATED COMMUNICA- TIONS CABLE (96 FIBER)			
23,900	LF	GENERIC SIGNAL ITEM MIS TRACER WIRE			
17,000	LF	GENERIC SIGNAL ITEM MIS UNPAVED TRECHING (2, 2") HDPE CONDUIT			
2,700	LF	GENERIC SIGNAL ITEM MULTI-DUCT (2, 2") IN OUTER- DUCT (1, 5")			
1,000	LF	GENERIC SIGNAL ITEM PAVED TRENCHING (1, 2") HDPE CONDUIT			
1,000	LF	GENERIC SIGNAL ITEM PAVED TRENCHING (2, 2") HDPE CONDUIT			
200	LF	GENERIC SIGNAL ITEM TWISTED PAIR CABLE (6 PAIR)			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 012

CONTRACT ID : C201785 32620.2.3

DIV OFFICE SHELBY

LENGTH = 0.166 MI

COUNTY : IREDELL

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : MAY 01 2009

BRIDGE OVER BUFFALO SHOALS CREEK AND APPROACHES ON SR-1333 (EUFOLA RD) NORTH OF THE CATAWBA RIVER.

ROADWAY ITEMS		
Lump Sum	LS	MOBILIZATION
2,040	CY	UNCLASSIFIED EXCAVATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+13.50)
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
200	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
20	CY	DRAINAGE DITCH EXCAVATION
23	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
20	LF	*** SIDE DRAIN PIPE (30")
20	LF	24" SIDE DRAIN PIPE
28	LF	15" RC PIPE CULVERTS, CLASS III
60	LF	24" RC PIPE CULVERTS, CLASS III
80	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
100	TON	INCIDENTAL STONE BASE
330	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
215	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
29	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
3	EA	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.29
190	LF	SHOULDER BERM GUTTER
362.5	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
50	TON	RIP RAP, CLASS I
12	TON	RIP RAP, CLASS B
375	SY	FILTER FABRIC FOR DRAINAGE
395	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
48	LF	BARRICADES (TYPE III)
7,000	LF	PAINT PAVEMENT MARKING LINES (4")
600	LF	TEMPORARY SILT FENCE
105	TON	STONE FOR EROSION CONTROL, CLASS A
115	TON	STONE FOR EROSION CONTROL, CLASS B
120	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
2.25	TON	FERTILIZER FOR TEMPORARY SEEDING
50	LF	TEMPORARY SLOPE DRAINS
1	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
455	LF	SAFETY FENCE
310	CY	SILT EXCAVATION
815	SY	MATTING FOR EROSION CONTROL
25	SY	COIR FIBER MAT
265	LF	1/4" HARDWARE CLOTH
90	LF	COIR FIBER BAFFLES
4	EA	*** SKIMMER (1-1/2")
2	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING

50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (18+13.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+13.50-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1, 18+13.50-L-)
857	CY	UNCLASSIFIED STRUCTURE EXCAVATION
4,210	SF	REINFORCED CONCRETE DECK SLAB
4,233	SF	GROOVING BRIDGE FLOORS
78.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+13.50-L-)
9,323	LB	REINFORCING STEEL (BRIDGE)
148,785	LS	APPROX ..... LBS STRUCTURAL STEEL
540	LF	HP12X53 STEEL PILES
245.83	LF	CONCRETE BARRIER RAIL
120	TON	RIP RAP CLASS II (2'-0" THICK)
134	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 013

CONTRACT ID : C201849 33399.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.168 MI

COUNTY : BUNCOMBE

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 5.0% COMPLETION DATE : SEP 15 2009

BRIDGE OVER BROAD RIVER AND APPROACHED ON NC-9.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1	EA	SEALING ABANDONED WELLS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+57.50 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
20	CY	UNDERCUT EXCAVATION
500	TON	CLASS IV SUBGRADE STABILIZATION
10	CY	DRAINAGE DITCH EXCAVATION
1,000	CY	SELECT GRANULAR MATERIAL
1,000	SY	FABRIC FOR SOIL STABILIZATION
31	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
56	LF	15" SIDE DRAIN PIPE
116	LF	24" SIDE DRAIN PIPE
8	LF	15" RC PIPE CULVERTS, CLASS III
104	LF	18" RC PIPE CULVERTS, CLASS III
132	LF	PIPE REMOVAL
25	TON	INCIDENTAL STONE BASE
780	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
690	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
75	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
17	EA	RIGHT OF WAY MARKERS
224	CY	SUBDRAIN EXCAVATION
168	CY	SUBDRAIN FINE AGGREGATE
1,000	LF	6" PERFORATED SUBDRAIN PIPE
30	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE (SUBDRAINS)
1	CY	PIPE COLLARS
2	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.24
1	EA	FRAME WITH TWO GRATES, STD 840.29
80	LF	SHOULDER BERM GUTTER
100	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
200	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
225	TON	RIP RAP, CLASS B
925	SY	FILTER FABRIC FOR DRAINAGE
90	SF	WORK ZONE SIGNS (STATIONARY)
100	SF	WORK ZONE SIGNS (PORTABLE)
80	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
80	EA	DRUMS
80	EA	CONES
64	LF	BARRICADES (TYPE III)
50	MD	FLAGGER
100	EA	TEMPORARY RAISED PAVEMENT MARKERS
1,800	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,800	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)

15,200	LF	PAINT PAVEMENT MARKING LINES (4")
25	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,000	LF	TEMPORARY SILT FENCE
150	TON	STONE FOR EROSION CONTROL, CLASS A
210	TON	STONE FOR EROSION CONTROL, CLASS B
105	TON	SEDIMENT CONTROL STONE
3	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING
275	LF	SAFETY FENCE
525	CY	SILT EXCAVATION
725	SY	MATTING FOR EROSION CONTROL
20	SY	COIR FIBER MAT
150	LF	1/4" HARDWARE CLOTH
200	LF	COIR FIBER BAFFLES
3	EA	*** SKIMMER (1-1/2")
3.5	ACR	SEEDING & MULCHING
2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
2.25	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL
0.25	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (19+57.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+57.50-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (19+57.50-L-)
3,085	SF	REINFORCED CONCRETE DECK SLAB
3,278	SF	GROOVING BRIDGE FLOORS
56.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+57.50-L-)
7,722	LB	REINFORCING STEEL (BRIDGE)
128,400	LS	APPROX ..... LBS STRUCTURAL STEEL
650	LF	HP12X53 STEEL PILES
10	EA	STEEL PILE POINTS
185.77	LF	CONCRETE BARRIER RAIL
289	TON	RIP RAP CLASS II (2'-0" THICK)
321	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 014

CONTRACT ID : C201812 33404.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.241 MI

COUNTY : BURKE

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : DEC 31 2009

BRIDGE OVER LINVILLE RIVER AND APPROACHES ON NC-183.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
22,420	CY	UNCLASSIFIED EXCAVATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+62.50)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
500	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1,200	TON	CLASS IV SUBGRADE STABILIZATION
620	CY	DRAINAGE DITCH EXCAVATION
1,000	CY	SELECT GRANULAR MATERIAL
1,000	SY	FABRIC FOR SOIL STABILIZATION
47	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
44	LF	15" RC PIPE CULVERTS, CLASS III
368	LF	66" RC PIPE CULVERTS, CLASS III
32	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
25	TON	INCIDENTAL STONE BASE
680	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
360	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
53	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
19	EA	RIGHT OF WAY MARKERS
112	CY	SUBDRAIN EXCAVATION
84	CY	SUBDRAIN FINE AGGREGATE
500	LF	6" PERFORATED SUBDRAIN PIPE
15	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
11.1	CY	REINFORCED ENDWALLS
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
50	LF	SHOULDER BERM GUTTER
1	EA	GENERIC DRAINAGE ITEM SPECIAL JUNCTION BOX
575	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
75	TON	RIP RAP, CLASS I
10	TON	RIP RAP, CLASS B
480	SY	FILTER FABRIC FOR DRAINAGE
409	SF	WORK ZONE SIGNS (STATIONARY)
149	SF	WORK ZONE SIGNS (PORTABLE)
126	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
50	EA	DRUMS
30	EA	CONES
80	LF	BARRICADES (TYPE III)
100	MD	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
1	EA	TMIA
180	LF	PORTABLE CONCRETE BARRIER
32	EA	TEMPORARY RAISED PAVEMENT MARKERS
2,544	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2,544	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
10,176	LF	PAINT PAVEMENT MARKING LINES (4")
32	EA	SNOWPLOWABLE PAVEMENT MARKERS

1,930	LF	TEMPORARY SILT FENCE
90	TON	STONE FOR EROSION CONTROL, CLASS A
350	TON	STONE FOR EROSION CONTROL, CLASS B
330	TON	SEDIMENT CONTROL STONE
2.5	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
70	LF	TEMPORARY SLOPE DRAINS
1	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
500	LF	SAFETY FENCE
1,725	CY	SILT EXCAVATION
1,000	SY	MATTING FOR EROSION CONTROL
45	SY	COIR FIBER MAT
80	SY	PERMANENT SOIL REINFORCEMENT MAT
480	LF	1/4" HARDWARE CLOTH
2	EA	SPECIAL STILLING BASINS
75	LF	WATTLE
18	LB	POLYACRYLAMIDE (PAM)
460	LF	COIR FIBER BAFFLES
10	EA	*** SKIMMER (1-1/2")
1	EA	*** SKIMMER (2")
3	ACR	SEEDING & MULCHING
1.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
2.25	TON	FERTILIZER TOPDRESSING
360	LF	IMPERVIOUS DIKE
2	HR	SPECIALIZED HAND MOWING
27	EA	RESPONSE FOR EROSION CONTROL
0.5	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (22+62.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (22+62.50-L-)
92	LF	PILE EXCAVATION IN SOIL
92	LF	PILE EXCAVATION NOT IN SOIL
6,795	SF	REINFORCED CONCRETE DECK SLAB
6,460	SF	GROOVING BRIDGE FLOORS
104.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+62.50-L-)
13,270	LB	REINFORCING STEEL (BRIDGE)
333,200	LS	APPROX ..... LBS STRUCTURAL STEEL
375	LF	HP12X53 STEEL PILES
30	EA	STEEL PILE POINTS
364.56	LF	CONCRETE BARRIER RAIL
280	TON	RIP RAP CLASS II (2'-0" THICK)
310	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080617 015

CONTRACT ID : C201852 33549.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.237 MI

COUNTY : MITCHELL

GRADING, DRAINAGE, PAVING, TEMP SIGNALS, AND STRUCTURES.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2009

BRIDGES OVER CRABTREE CREEK AND APPROACHES ON SR-1002.

ROADWAY ITEMS				
			33 TON	RIP RAP, CLASS B
			324 SY	FILTER FABRIC FOR DRAINAGE
			316 SF	WORK ZONE SIGNS (STATIONARY)
			112 SF	WORK ZONE SIGNS (PORTABLE)
			82 SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			66 EA	DRUMS
			52 EA	CONES
			104 LF	BARRICADES (TYPE III)
			420 HR	FLAGGER
			2 EA	TMIA
			310 LF	WATER FILLED BARRIER
			82 EA	SKINNY DRUM
			256 EA	TEMPORARY RAISED PAVEMENT MARKERS
			29,340 LF	PAINT PAVEMENT MARKING LINES (4")
			80 LF	PAINT PAVEMENT MARKING LINES (24")
			2,500 LF	REMOVAL OF PAVEMENT MARKING LINES (4")
			2,390 LF	TEMPORARY SILT FENCE
			220 TON	STONE FOR EROSION CONTROL, CLASS A
			570 TON	STONE FOR EROSION CONTROL, CLASS B
			250 TON	SEDIMENT CONTROL STONE
			32 ACR	TEMPORARY MULCHING
			1,150 LB	SEED FOR TEMPORARY SEEDING
			5.5 TON	FERTILIZER FOR TEMPORARY SEEDING
			700 LF	SAFETY FENCE
			1,960 CY	SILT EXCAVATION
			1,100 SY	MATTING FOR EROSION CONTROL
			10 SY	COIR FIBER MAT
			90 SY	PERMANENT SOIL REINFORCEMENT MAT
			80 LF	1/4" HARDWARE CLOTH
			540 LF	COIR FIBER BAFFLES
			1 EA	*** SKIMMER (1-1/2")
			31 ACR	SEEDING & MULCHING
			19 ACR	MOWING
			400 LB	SEED FOR REPAIR SEEDING
			0.75 TON	FERTILIZER FOR REPAIR SEEDING
			775 LB	SEED FOR SUPPLEMENTAL SEEDING
			22.75 TON	FERTILIZER TOPDRESSING
			2 HR	SPECIALIZED HAND MOWING
			27 EA	RESPONSE FOR EROSION CONTROL
			0.5 ACR	REFORESTATION
			800 LF	SIGNAL CABLE
			4 EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
			720 LF	MESSENGER CABLE (3/8")
			7 EA	WOOD POLE
			4 EA	GUY ASSEMBLY
			1 EA	1" RISER WITH WEATHERHEAD
			3 EA	2" RISER WITH WEATHERHEAD
			355 LF	INDUCTIVE LOOP SAWCUT
			760 LF	LEAD-IN CABLE (***** (14-2)
			1 EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
			2 EA	DETECTOR CARD (TYPE 2070L)
				***** BEGIN SCHEDULE AA *****
				***** ( 3 ALTERNATES ) *****
			44 LF	15" RC PIPE CULVERTS, CLASS III
			84 LF	18" RC PIPE CULVERTS, CLASS III
				*** OR ***
			36 LF	15" RC PIPE CULVERTS, CLASS III
			72 LF	18" RC PIPE CULVERTS, CLASS III
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+97.15)		
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+80.00)		
Lump Sum	LS	GRADING		
	1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	
	100	CY	UNDERCUT EXCAVATION	
	200	TON	CLASS IV SUBGRADE STABILIZATION	
	500	CY	SELECT GRANULAR MATERIAL	
	500	SY	FABRIC FOR SOIL STABILIZATION	
	625	SF	TEMPORARY SHORING	
	30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	
	64	LF	15" SIDE DRAIN PIPE	
	40	LF	54" RC PIPE CULVERTS, CLASS III	
	44	LF	*** CS PIPE CULVERTS, ***** THICK (48", 0.109")	
	118	LF	PIPE REMOVAL	
	340	TON	AGGREGATE BASE COURSE	
	30	TON	INCIDENTAL STONE BASE	
	400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	
	430	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
	46	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
	41	EA	RIGHT OF WAY MARKERS	
	50	CY	SUBDRAIN EXCAVATION	
	40	CY	SUBDRAIN FINE AGGREGATE	
	200	LF	6" PERFORATED SUBDRAIN PIPE	
	6	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	
	1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
	6	LF	6" OUTLET PIPE (SUBDRAINS)	
	5	CY	REINFORCED ENDWALLS	
	1	CY	PIPE PLUGS	
	3	CY	FLOWABLE FILL	
	4	EA	MASONRY DRAINAGE STRUCTURES	
	22.4	CY	MASONRY DRAINAGE STRUCTURES	
	4	EA	FRAME WITH TWO GRATES, STD 840.29	
	1	EA	FRAME WITH COVER, STD 840.54	
	175	LF	SHOULDER BERM GUTTER	
	50	LF	CONCRETE VALLEY GUTTER	
	375	LF	STEEL BM GUARDRAIL	
	50	LF	STEEL BM GUARDRAIL, SHOP CURVED	
	10	EA	ADDITIONAL GUARDRAIL POSTS	
	1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (TL-2)	
	1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	
	6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	
	8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	
	325	LF	TEMPORARY STEEL BM GUARDRAIL	
	50	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)	
	1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)	
	8	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (III)	
	7	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	



8	LF	****" HDPE PIPE CULVERTS (15")
12	LF	****" HDPE PIPE CULVERTS (18")
		*** OR ***
36	LF	15" RC PIPE CULVERTS, CLASS III
72	LF	18" RC PIPE CULVERTS, CLASS III
8	LF	****" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****" THICK (15", 0.064")
12	LF	****" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****" THICK (18", 0.064")

\*\*\* END SCHEDULE AA \*\*\*

### STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (12+96.25-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (19+80.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (12+96.25-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+80.00-L-)
100	CY	FOUNDATION EXCAVATION (12+96.25-L-)
95	CY	FOUNDATION EXCAVATION (19+80.00-L-)
96	LF	PILE EXCAVATION IN SOIL
60	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (12+96.25-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (19+80.00-L-)
87.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (12+96.25-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+80.00-L-)
14,185	LB	REINFORCING STEEL (BRIDGE)
180	LF	HP12X53 STEEL PILES
210.31	LF	CONCRETE BARRIER RAIL
485	TON	RIP RAP CLASS II (2'-0" THICK)
545	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,051.563	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

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

L080617 016

CONTRACT ID : C201369 34958.3.1

DIV OFFICE ASHEVILLE

LENGTH = 1.683 MI

COUNTY : BUNCOMBE

WIDENING, GRADING, DRAINAGE, PAVING, CURB &amp; GUTTER, SIGNALS.

DBE GOAL 9.0% COMPLETION DATE : OCT 01 2011

NC-191 (BREVARD RD) FROM I-26 TO I-40.

		ROADWAY ITEMS			
				6	LF 6" OUTLET PIPE (SUBDRAINS)
				1.5	CY PIPE COLLARS
				1	CY PIPE PLUGS
				12	CY FLOWABLE FILL
				116	EA MASONRY DRAINAGE STRUCTURES
				20	LF MASONRY DRAINAGE STRUCTURES
				20	EA FRAME WITH TWO GRATES, STD 840.16
				5	EA FRAME WITH TWO GRATES, STD 840.22
				8	EA FRAME WITH TWO GRATES, STD 840.24
				1	EA FRAME WITH TWO GRATES, STD 840.29
				3	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
				26	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
				44	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
				6	EA FRAME WITH COVER, STD 840.54
				900	LF ***X *** CONCRETE CURB (8" X 12")
				8,500	LF 1'-6" CONCRETE CURB & GUTTER
				18,900	LF 2'-6" CONCRETE CURB & GUTTER
				3,800	SY 4" CONCRETE SIDEWALK
				25	EA CONCRETE WHEELCHAIR RAMPS
				490	SY 6" CONCRETE DRIVEWAY
				180	SY 4" CONCRETE PAVED DITCH
				2,000	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
				2	EA ADJUSTMENT OF DROP INLETS
				30	EA ADJUSTMENT OF MANHOLES
				40	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
				2,500	LF STEEL BM GUARDRAIL
				400	LF STEEL BM GUARDRAIL, SHOP CURVED
				10	EA ADDITIONAL GUARDRAIL POSTS
				1	EA GUARDRAIL ANCHOR UNITS, TYPE AT-1
				6	EA GUARDRAIL ANCHOR UNITS, TYPE CAT-1
				6	EA GUARDRAIL ANCHOR UNITS, TYPE 350
				1,050	LF REMOVE EXISTING GUARDRAIL
				7,750	LF WOVEN WIRE FENCE, ** FABRIC (72")
				425	EA 4" TIMBER FENCE POSTS, ***** LONG (11')
				290	EA 5" TIMBER FENCE POSTS, ***** LONG (11')
				320	LF CHAIN LINK FENCE, *** FABRIC (60")
				485	LF CHAIN LINK FENCE, 48" FABRIC
				26	EA METAL LINE POSTS FOR *** CHAIN LINK FENCE (60")
				40	EA METAL LINE POSTS FOR 48" CHAIN LINK FENCE
				4	EA METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (60")
				3	EA METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
				900	LF ADDITIONAL BARBED WIRE
				1	EA DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (72", 10', 20')
				1	EA DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (72", 12', 24')
				1	EA DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (72", 13', 26')
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
	1	ACR SUPPLEMENTARY CLEARING & GRUBBING			
	24,500	CY UNCLASSIFIED EXCAVATION			
	1,200	CY UNDERCUT EXCAVATION			
	1,890	TON CLASS IV SUBGRADE STABILIZATION			
	64,000	CY BORROW EXCAVATION			
	750	CY DRAINAGE DITCH EXCAVATION			
	1,100	LF BERM DITCH CONSTRUCTION			
	16,300	SY REMOVAL OF EXISTING ASPHALT PAVEMENT			
	1,000	SY BREAKING OF EXISTING ASPHALT PAVEMENT			
	1,100	CY SELECT GRANULAR MATERIAL			
	1,000	SY FABRIC FOR SOIL STABILIZATION			
	300	TON GENERIC GRADING ITEM			
	1,710	TON DISPOSAL OF CONTAMINATED SOIL FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
	40	LF 15" SIDE DRAIN PIPE			
	5,740	LF 15" RC PIPE CULVERTS, CLASS III			
	1,216	LF 18" RC PIPE CULVERTS, CLASS III			
	832	LF 24" RC PIPE CULVERTS, CLASS III			
	180	LF ***** RC PIPE CULVERTS, CLASS IV (24")			
	300	LF 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			
	432	LF 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			
	232	LF 24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			
	516	LF 30" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK			
	9	EA 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK			
	1	EA 18" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK			
	3	EA 24" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK			
	2	EA 30" BIT COAT CS PIPE ELBOWS, TYPE B 0.079" THICK			
	1,780	LF PIPE REMOVAL			
Lump Sum	LS	FINE GRADING			
	500	TON STABILIZER AGGREGATE			
	69,000	TON AGGREGATE BASE COURSE			
	1,500	TON INCIDENTAL STONE BASE			
	1,628	GAL PRIME COAT			
	5,000	SY INCIDENTAL MILLING			
	9,050	TON ASPHALT CONC BASE COURSE, TYPE B25.0B			
	13,400	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
	15,000	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
	1,915	TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
	790	TON ASPHALT PLANT MIX, PAVEMENT REPAIR			
	17,000	SY ASPHALT SURFACE TREATMENT, MAT & SEAL			
	130	EA RIGHT OF WAY MARKERS			
	112	CY SUBDRAIN EXCAVATION			
	118	CY SUBDRAIN FINE AGGREGATE			
	200	LF 4" PERFORATED SUBDRAIN PIPE			
	500	LF 6" PERFORATED SUBDRAIN PIPE			
	15	EA 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS			
	1	EA CONCRETE PAD FOR SUBDRAIN PIPE OUTLET			

			361	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")
			692	LF	** #4 W/G FEEDER CIRCUIT (3)
			482	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1.5" C)
			297	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (3, 1.5" C)
			561	LF	** #2 W/G FEEDER CIRCUIT IN ***** CONDUIT (3, 2" C)
			4	EA	ELECTRICAL JUNCTION BOXES ***** (PC 18)
			2	EA	ELECTRICAL JUNCTION BOXES ***** (PC 30)
			2	EA	GENERIC LIGHTING ITEM RELOCATE LIGHT STANDARD
			2	EA	GENERIC LIGHTING ITEM REMOVE CONTROL SYSTEM
			1	EA	GENERIC LIGHTING ITEM REMOVE HIGH MAST FOUNDATION
			25	CY	CLASS B CONCRETE FOR ENCASING UTILITY LINES
			130	LF	2" WATER LINE
			1,950	LF	6" WATER LINE
			11,000	LF	24" WATER LINE
			13	EA	6" VALVE
			10	EA	24" VALVE
			6	EA	2" AIR RELEASE VALVE
			2	EA	2" WATER METER
			19	EA	RELOCATE WATER METER
			48	EA	RECONNECT WATER METER
			15	EA	FIRE HYDRANT
			2	EA	RELOCATE FIRE HYDRANT
			1,300	LF	8" SANITARY GRAVITY SEWER
			305	LF	*** FORCE MAIN SEWER (3")
			4	EA	SANITARY SEWER CLEAN-OUT
			27	EA	4' DIA UTILITY MANHOLE
			8	LF	UTILITY MANHOLE WALL, 4' DIA
			200	LF	ABANDON 8" UTILITY PIPE
			4	EA	REMOVE WATER METER
			4	EA	REMOVE FIRE HYDRANT
			9	EA	REMOVE UTILITY MANHOLE
			80	LF	36" ENCASEMENT PIPE
			700	LF	TRENCHLESS INSTALLATION OF 36" IN SOIL
			300	LF	TRENCHLESS INSTALLATION OF 36" NOT IN SOIL
			5	EA	GENERIC UTILITY ITEM BREAKDOWN AND REBUILD MANHOLE
			2	EA	GENERIC UTILITY ITEM REMOVE 6" WATER PIPE FROM BRIDGE
			9,025	LF	TEMPORARY SILT FENCE
			1,505	TON	STONE FOR EROSION CONTROL, CLASS A
			2,055	TON	STONE FOR EROSION CONTROL, CLASS B
			2,005	TON	SEDIMENT CONTROL STONE
			16.5	ACR	TEMPORARY MULCHING
			600	LB	SEED FOR TEMPORARY SEEDING
			2.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
			675	LF	TEMPORARY SLOPE DRAINS
			27	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
			12,000	CY	SILT EXCAVATION
			5,425	SY	MATTING FOR EROSION CONTROL
			250	SY	COIR FIBER MAT
			380	SY	PERMANENT SOIL REINFORCEMENT MAT
			2,200	LF	1/4" HARDWARE CLOTH
			2,400	LF	COIR FIBER BAFFLES
			27	EA	*** SKIMMER (2")
			5	EA	*** SKIMMER (2-1/2")
			1	EA	*** SKIMMER (3")
			1	EA	*** SKIMMER (4")
			21.5	ACR	SEEDING & MULCHING
			10	ACR	MOWING
			150	LB	SEED FOR REPAIR SEEDING
			0.5	TON	FERTILIZER FOR REPAIR SEEDING
			400	LB	SEED FOR SUPPLEMENTAL SEEDING
			16	TON	FERTILIZER TOPDRESSING
			7.5	HR	SPECIALIZED HAND MOWING
9,000	LF	GENERIC FENCING ITEM 5' SAFETY FENCE			
35	TON	RIP RAP, CLASS A			
510	TON	RIP RAP, CLASS B			
3,320	SY	FILTER FABRIC FOR DRAINAGE			
13	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			
1	CY	REINFORCED CONCRETE SIGN FOUN- DATIONS			
319	LB	SUPPORTS, BREAKAWAY STEEL BEAM			
371	LB	SUPPORTS, SIMPLE STEEL BEAM			
2,576	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
10	EA	SIGN ERECTION, TYPE D			
118	EA	SIGN ERECTION, TYPE E			
9	EA	SIGN ERECTION, TYPE F			
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)			
3	EA	SIGN ERECTION, RELOCATE, TYPE *** (GROUND MOUNTED) (D)			
68	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL			
3	EA	DISPOSAL OF SUPPORT, U-CHANNEL			
333	SF	WORK ZONE SIGNS (STATIONARY)			
560	SF	WORK ZONE SIGNS (PORTABLE)			
660	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
2	EA	FLASHING ARROW PANELS, TYPE C			
1	EA	CHANGEABLE MESSAGE SIGN			
30	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)			
700	EA	DRUMS			
320	LF	BARRICADES (TYPE III)			
466	MD	FLAGGER			
6	EA	TEMPORARY CRASH CUSHIONS			
2	EA	RESET TEMPORARY CRASH CUSHIONS			
2	EA	TMIA			
4,590	LF	PORTABLE CONCRETE BARRIER			
100	EA	SKINNY DRUM			
2,171	EA	TEMPORARY RAISED PAVEMENT MARKERS			
185,292	LF	PAINT PAVEMENT MARKING LINES (4")			
6,354	LF	PAINT PAVEMENT MARKING LINES (8")			
2,198	LF	PAINT PAVEMENT MARKING LINES (24")			
16	EA	PAINT PAVEMENT MARKING CHARAC- TER			
374	EA	PAINT PAVEMENT MARKING SYMBOL			
24,695	LF	POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)			
852	LF	POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS)			
790	LF	POLYUREA PAVEMENT MARKING LINES (24", *****) (HIGHLY REFLECTIVE ELEMENTS)			
153	EA	POLYUREA PAVEMENT MARKING SYMBOL (*****) (HIGHLY REFLECTIVE ELEMENTS)			
57,845	LF	REMOVAL OF PAVEMENT MARKING LINES (4")			
3,337	LF	REMOVAL OF PAVEMENT MARKING LINES (8")			
338	LF	REMOVAL OF PAVEMENT MARKING LINES (24")			
72	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS			
381	EA	SNOWPLOWABLE PAVEMENT MARKERS			
1	EA	100' HIGH MOUNT STANDARD			
1	EA	PORTABLE DRIVE UNIT			
6.1	CY	HIGH MOUNT FOUNDATIONS			
6	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS, 240V)			
2	EA	STANDARD FOUNDATION ***** (TYPE R1)			
2	EA	ELECTRIC SERVICE POLE **** ***** (30' CLASS 4)			
80	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)			
2	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)			
345	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")			

18	EA	RESPONSE FOR EROSION CONTROL
2	EA	PEDESTRIAN SIGNAL HEAD (**, ** SECTION) (16", 1)
7,011	LF	SIGNAL CABLE
58	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
6	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
14,200	LF	MESSENGER CABLE (1/4")
1,036	LF	MESSENGER CABLE (3/8")
3,573	LF	UNPAVED TRENCHING (***** (1, 2")
1,322	LF	DIRECTIONAL DRILL (***** (2, 2")
38	EA	JUNCTION BOX (STANDARD SIZE)
11	EA	WOOD POLE
35	EA	GUY ASSEMBLY
2	EA	1" RISER WITH WEATHERHEAD
7	EA	2" RISER WITH WEATHERHEAD
5	EA	2" RISER WITH HEAT SHRINK TUBING
5,903	LF	INDUCTIVE LOOP SAWCUT
12,085	LF	LEAD-IN CABLE (***** (14-2)
1	EA	MICROWAVE VEHICLE DETECTOR
16,470	LF	COMMUNICATIONS CABLE (**FIBER) (48)
800	LF	DROP CABLE
6	EA	SPLICE ENCLOSURE
5	EA	INTERCONNECT CENTER
5	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT
1	EA	FURNISH FIBER-OPTIC RESTORA- TION KIT
1	EA	FURNISH FIBER-OPTIC TRANSCEIV- ER
11	EA	METAL POLE WITH SINGLE MAST ARM
3	EA	METAL POLE WITH DUAL MAST ARM
14	EA	SOIL TEST
90	CY	DRILLED PIER FOUNDATION
14	EA	MAST ARM WITH METAL POLE DE- SIGN
9	EA	SIGN FOR SIGNALS
2	EA	SIGNAL CABINET FOUNDATION
3	EA	MODIFY FOUNDATION FOR CONTROL- LER CABINET
3	EA	CABINET BASE ADAPTER
5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
29	EA	DETECTOR CARD (TYPE 2070L)
2	EA	CABINET BASE EXTENDER
3	EA	GENERIC SIGNAL ITEM POWDER COAT FOR DUAL MAST ARM WITH METAL POLE
11	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SINGLE MAST ARM WITH METAL POLE
3,283	SF	PILE PANEL RETAINING WALLS
Lump Sum	LS	GENERIC RETAINING WALL ITEM CONCRETE WALL
491	SF	GENERIC RETAINING WALL ITEM GRAVITY RETAINING WALL WITH HANDRAIL

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

L080617 017

CONTRACT ID : C202104 39972.3.GV1

DIV OFFICE ASHEVILLE

LENGTH = 12.260 MI

COUNTY : MCDOWELL

PAVEMENT REHABILITATION.

DBE GOAL 5.0% COMPLETION DATE : JUN 01 2009

I-40 FROM EAST OF OLD FORT AT MP 74.4 TO NC 226 (MP 86).

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
56.46	SMI	SHOULDER RECONSTRUCTION
8,664	TON	PATCHING EXISTING PAVEMENT
258,932	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
298,110	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
32,366	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
9,808	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
192	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
8	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
660,000	LF	PAINT PAVEMENT MARKING LINES (4")
19,600	LF	PAINT PAVEMENT MARKING LINES (12")
384	LF	PAINT PAVEMENT MARKING LINES (24")
8	EA	PAINT PAVEMENT MARKING SYMBOL
1,620	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING

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

351,110	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
98,328	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
5,900	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
		*** OR ***
5,868	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")
55,794	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
304	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
3,348	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
345,242	SY	HOT-IN-PLACE RECYCLED ASPHALT CONCRETE, TYPE S9.5C
34,530	GAL	EMULSIFIED ASPHALT REJUVENATING AGENT
6,050	TON	HOT MIX ASPHALT ADMIXTURE

\*\*\* END SCHEDULE AA \*\*\*

**FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID****L080617 018****CONTRACT ID : C201961 41815.3.1****DIV OFFICE SYLVA****LENGTH = 7.500 MI****COUNTY : JACKSON****GRADING, PAVING, AND GUARDRAIL.****DBE GOAL 5.0% COMPLETION DATE : NOV 21 2008****US-23 & 74 FROM SW OF THE HAYWOOD COUNTY LINE TO SR-1527 (SCOTTS CREEK RD).****ROADWAY ITEMS**

Lump Sum	LS	MOBILIZATION
3,349	TON	AGGREGATE BASE COURSE
4.27	SMI	SHOULDER CONSTRUCTION
720	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
44	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
36	EA	IMPACT ATTENUATOR UNIT, TYPE 350
22,266	LF	STEEL BM GUARDRAIL, DOUBLE FACED
4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
560	SF	WORK ZONE SIGNS (STATIONARY)
180	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	FLASHING ARROW PANELS, TYPE C
2	EA	CHANGEABLE MESSAGE SIGN
428	EA	DRUMS
2	EA	TMIA
9,400	LF	TEMPORARY SILT FENCE
38	TON	SEDIMENT CONTROL STONE
100	CY	SILT EXCAVATION
750	LF	1/4" HARDWARE CLOTH

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080715 001

CONTRACT ID : C201372 34445.4.1

DIV OFFICE ASHEVILLE

LENGTH = 10.582 KM

COUNTY : MADISON, YANCEY

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

MBE GOAL 5.0% WBE 5.0% COMPLETION DATE : OCT 15 2012

US-19 FROM I-26 IN MADISON COUNTY TO 0.8 KM EAST OF YANCEY COUNTY LINE.

ROADWAY ITEMS						
			22	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (600MM, 1.63MM)	
Lump Sum	LS	MOBILIZATION	6	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (800MM, 2.01MM)	
Lump Sum	LS	CONSTRUCTION SURVEYING				
Lump Sum	LS	FIELD OFFICE	13	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (900MM, 2.01MM)	
Lump Sum	LS	CLEARING & GRUBBING .. HECTARE(S)				
1.6	HA	SUPPLEMENTARY CLEARING & GRUBBING	1,597	M	PIPE REMOVAL	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+30.00-Y2-)	Lump Sum	LS	FINE GRADING	
25,000	M3	UNDERCUT EXCAVATION	31,000	M2	LIME TREATED SOIL (SLURRY METHOD)	
10,750	MTN	CLASS IV SUBGRADE STABILIZATION	345	MTN	LIME FOR LIME TREATED SOIL	
9,360	M3	DRAINAGE DITCH EXCAVATION	1,250	MTN	#57 STONE	
590	M	BERM DITCH CONSTRUCTION	500	MTN	STABILIZER AGGREGATE	
52,150	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	72,325	M2	SOIL CEMENT BASE (180MM)	
44	HR	PROOF ROLLING	2,170	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	
2,000	M3	SELECT GRANULAR MATERIAL	490	MTN	AGGREGATE FOR SOIL CEMENT BASE	
5,000	M2	FABRIC FOR SOIL STABILIZATION	70,275	L	ASPHALT CURING SEAL	
2,010	M2	TEMPORARY SHORING	250	MTN	INCIDENTAL STONE BASE	
8,000	M2	GENERIC GRADING ITEM SEPARATION FABRIC FOR ROCK EMBANKMENT	16,000	L	PRIME COAT	
13,500	MTN	GENERIC GRADING ITEM CLASS VI MATERIAL FOR ROCK EMBANKMENT	39,500	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (65MM)	
3,785	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	2,700	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	
130.8	M	375MM SIDE DRAIN PIPE	65,000	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
28.8	M	450MM SIDE DRAIN PIPE	43,600	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
112.8	M	1200MM RC PIPE CULVERTS, CLASS III	2,600	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
46.8	M	1350MM RC PIPE CULVERTS, CLASS III	2,620	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
181.2	M	****MM RC PIPE CULVERTS, CLASS IV (750MM)	790	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR	
115.2	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)	485	EA	RIGHT OF WAY MARKERS	
24	M	*** X ***MM CS PIPE ARCH CULVERTS, ****MM THICK (2620MM X 1800MM, 2.77MM)	497	M3	SUBDRAIN EXCAVATION	
38.4	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ****MM THICK (1000MM, 2.01MM)	249	M3	SUBDRAIN FINE AGGREGATE	
42	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ****MM THICK (1200MM, 2.01MM)	600	M	150MM PERFORATED SUBDRAIN PIPE	
124.8	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ****MM THICK (1700MM, 2.77MM)	60	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	
147.6	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ****MM THICK (900MM, 2.01MM)	4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
10.8	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	8	M	150MM OUTLET PIPE (SUBDRAINS)	
678	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	2,895	M	SHOULDER DRAIN	
220.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	2,895	M	100MM SHOULDER DRAIN PIPE	
205.2	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	265	M	100MM OUTLET PIPE (SHOULDER DRAINS)	
81.6	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	14	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	
4	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (1000MM, 2.01MM)	15	MTN	BLOTTING SAND	
2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (1200MM, 2.01MM)	48.5	M3	ENDWALLS	
48	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (400MM, 1.63MM)	3.8	M3	REINFORCED ENDWALLS	
26	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (450MM, 1.63MM)	1.12	M3	PIPE COLLARS	
			0.16	M3	PIPE PLUGS	
			300	M3	FLOWABLE FILL	
			365	EA	MASONRY DRAINAGE STRUCTURES	
			2.65	M3	MASONRY DRAINAGE STRUCTURES	
			44.8	M	MASONRY DRAINAGE STRUCTURES	
			3	EA	FRAME WITH GRATE, STD 840.24	
			55	EA	FRAME WITH TWO GRATES, STD 840.16	
			165	EA	FRAME WITH TWO GRATES, STD 840.24	
			56	EA	FRAME WITH TWO GRATES, STD 840.29	
			3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	
			19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	
			31	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	
			14	EA	FRAME WITH COVER, STD 840.54	

			16,000	HR	FLAGGER
			12	EA	TEMPORARY CRASH CUSHIONS
			8	EA	RESET TEMPORARY CRASH CUSHIONS
			2	EA	TMIA
			197	M	PORTABLE CONCRETE BARRIER
			72	M	PORTABLE CONCRETE BARRIER (ANCHORED)
			238	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
			148	M	RESET PORTABLE CONCRETE BARRIER
			54	M	RESET PORTABLE CONCRETE BARRIER (ANCHORED)
			179	M	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)
			100	HR	POLICE
			1,016	EA	TEMPORARY RAISED PAVEMENT MARKERS
			164,550	M	PAINT PAVEMENT MARKING LINES (100MM)
			1,126	M	PAINT PAVEMENT MARKING LINES (200MM)
			54	M	PAINT PAVEMENT MARKING LINES (300MM)
			147	M	PAINT PAVEMENT MARKING LINES (600MM)
			20	EA	PAINT PAVEMENT MARKING SYMBOL
			37,639	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****) (STANDARD GLASS BEADS)
			153	M	POLYUREA PAVEMENT MARKING LINES (200MM, *****) (STANDARD GLASS BEADS)
			194	M	POLYUREA PAVEMENT MARKING LINES (600MM, *****) (STANDARD GLASS BEADS)
			105	EA	POLYUREA PAVEMENT MARKING SYMBOL (***** (STANDARD GLASS BEADS)
			1,466	EA	SNOWBLOWABLE PAVEMENT MARKERS
			7	EA	2.1M U-CHANNEL POSTS
			208	M	200MM WATER LINE
			2	EA	200MM VALVE
			1	EA	FIRE HYDRANT
			1	EA	RELOCATE FIRE HYDRANT
			156	M	200MM SANITARY GRAVITY SEWER
			1	EA	SANITARY SEWER CLEAN-OUT
			3	EA	1200MM DIA UTILITY MANHOLE
			5.8	M	UTILITY MANHOLE WALL, 1200MM DIA
			25,000	M	TEMPORARY SILT FENCE
			7,800	MTN	STONE FOR EROSION CONTROL, CLASS A
			27,450	MTN	STONE FOR EROSION CONTROL, CLASS B
			19,750	MTN	SEDIMENT CONTROL STONE
			95	HA	TEMPORARY MULCHING
			3,375	KG	SEED FOR TEMPORARY SEEDING
			27	MTN	FERTILIZER FOR TEMPORARY SEEDING
			450	M	TEMPORARY SLOPE DRAINS
			45	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
			15,000	M	SAFETY FENCE
			73,875	M3	SILT EXCAVATION
			48,425	M2	MATTING FOR EROSION CONTROL
			935	M2	COIR FIBER MAT
			14,550	M2	PERMANENT SOIL REINFORCEMENT MAT
			2,750	M	6.4MM HARDWARE CLOTH
			15	M	***MM TEMPORARY PIPE (400MM)
			45	M	***MM TEMPORARY PIPE (450MM)
			820	M3	STILLING BASINS
			14	EA	SPECIAL STILLING BASINS
			36	M	WATTLE
			60	KG	POLYACRYLAMIDE (PAM)
			3,455	M	COIR FIBER BAFFLES
			2	EA	***MM SKIMMER (102MM)
			125	EA	***MM SKIMMER (38MM)
			24	EA	***MM SKIMMER (51MM)
			19	EA	***MM SKIMMER (64MM)
			9	EA	***MM SKIMMER (76MM)
			151	HA	SEEDING & MULCHING
			50	HA	MOWING
			825	KG	SEED FOR REPAIR SEEDING
			3.75	MTN	FERTILIZER FOR REPAIR SEEDING
			2,250	KG	SEED FOR SUPPLEMENTAL SEEDING
2,675	M	***MM CONCRETE CURB & GUTTER (825MM)			
9,250	M	450MM CONCRETE CURB & GUTTER			
1,685	M	SHOULDER BERM GUTTER			
1	EA	MODIFIED CONCRETE FLUME			
23	M	CONCRETE EXPRESSWAY GUTTER			
141	M2	100MM CONCRETE PAVED DITCH			
5,100	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)			
685	M	CONCRETE BARRIER, TYPE ***** (IV)			
340	M	CONCRETE BARRIER, TYPE ***** (T)			
665	M	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (III)			
2	EA	ADJUSTMENT OF MANHOLES			
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350			
8,366.76	M	STEEL BM GUARDRAIL			
1,104.9	M	STEEL BM GUARDRAIL, SHOP CURVED			
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS			
15	EA	ADDITIONAL GUARDRAIL POSTS			
14	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1			
39	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
65	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350			
6	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
2,615	M	REMOVE EXISTING GUARDRAIL			
99.06	M	TEMPORARY STEEL BM GUARDRAIL			
28.575	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (TYPE B-77)			
18	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY			
22,100	M	WOVEN WIRE FENCE, 1200MM FABRIC			
4,440	EA	100MM TIMBER FENCE POSTS, 2.30M LONG			
1,400	EA	125MM TIMBER FENCE POSTS, 2.50M LONG			
380	M	CHAIN LINK FENCE, 1200MM FABRIC			
104	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE			
5	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE			
1	EA	DOUBLE GATES, ***** HIGH, ***** WIDE, ***** OPENING (1200MM, 1220MM, 2440MM)			
2,670	M	RELAPPING GUARDRAIL			
2,110	MTN	RIP RAP, CLASS I			
450	MTN	RIP RAP, CLASS A			
955	MTN	RIP RAP, CLASS B			
4,480	MTN	BOULDERS			
14,680	M2	FILTER FABRIC FOR DRAINAGE			
19	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			
2	EA	GENERIC EROSION CONTROL ITEM ENERGY DISSIPATOR			
1,313	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL			
2	EA	SIGN ERECTION, TYPE D			
269	EA	SIGN ERECTION, TYPE E			
5	EA	SIGN ERECTION, TYPE F			
9	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)			
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)			
97	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
146	M2	WORK ZONE SIGNS (STATIONARY)			
86	M2	WORK ZONE SIGNS (PORTABLE)			
65	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)			
2	EA	FLASHING ARROW PANELS, TYPE C			
8	EA	CHANGEABLE MESSAGE SIGN			
880	EA	DRUMS			
366	EA	CONES			
656	M	BARRICADES (TYPE III)			



			672	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (600MM, 1.63MM)	
255	MTN	FERTILIZER TOPDRESSING	266.4	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (750MM, 2.01MM)	
1,010	M	IMPERVIOUS DIKE	145.2	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (900MM, 2.01MM)	
73.5	HR	SPECIALIZED HAND MOWING				
540	M3	CULVERT DIVERSION CHANNEL				
1	HA	REFORESTATION				
2.63	HA	STREAMBANK REFORESTATION				
Lump Sum	LS	GENERIC EROSION CONTROL ITEM CONSTRUCTION SURVEYING FOR MITIGATION				
Lump Sum	LS	GENERIC EROSION CONTROL ITEM DIVERSION PUMPING FOR MITIGATION				*** END SCHEDULE AA ***
Lump Sum	LS	GENERIC EROSION CONTROL ITEM GRADING FOR MITIGATION				***** BEGIN SCHEDULE AB ***** ( 2 ALTERNATES ) *****
120	M	GENERIC EROSION CONTROL ITEM TEMPORARY PIPE FOR STREAM CROSSING	3,723,800	M3	UNCLASSIFIED EXCAVATION	
205	M	SIGNAL CABLE	48,300	MTN	AGGREGATE BASE COURSE	
1	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)	37,000	M3	SHOULDER BORROW	
105	M	UNPAVED TRENCHING (***** (2, 2"))	35,400	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
3	EA	JUNCTION BOX (STANDARD SIZE)	4,865	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
1	EA	25MM RISER WITH WEATHERHEAD				*** OR ***
2	EA	50MM RISER WITH WEATHERHEAD	3,711,300	M3	UNCLASSIFIED EXCAVATION	
115	M	INDUCTIVE LOOP SAWCUT	8,500	MTN	AGGREGATE BASE COURSE	
545	M	LEAD-IN CABLE (***** (18-2))	30,200	M3	SHOULDER BORROW	
1	EA	SIGN FOR SIGNALS	53,200	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
1	EA	SIGNAL CABINET FOUNDATION	5,630	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)				*** END SCHEDULE AB ***
7	EA	DETECTOR CARD (TYPE 2070L)				
1	EA	CABINET BASE EXTENDER				
						<b>CULVERT ITEMS</b>
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (109+35.310 -L-)	
			Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (81+55.180 -L-)	
5,176.8	M	375MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (10+26.580 -Y11-)	
1,761.8	M	450MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (109+35.310 -L-)	
1,568.4	M	600MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (19+72.600 -L-)	
825.6	M	750MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (21+37.796 -L-)	
331.2	M	900MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (31+48.170 -L-)	
						*** OR ***
3,088.8	M	375MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (33+79.340 -L-)	
589.2	M	450MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (37+94.390 -L-)	
896.4	M	600MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+37.750 -L-)	
559.2	M	750MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (55+43.020 -L-)	
186	M	900MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (70+03.790 -L-)	
2,088	M	****MM HDPE PIPE CULVERTS (375MM)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (77+90.740 -L-)	
1,172.6	M	****MM HDPE PIPE CULVERTS (450MM)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (81+55.180 -L-)	
672	M	****MM HDPE PIPE CULVERTS (600MM)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (82+70.000 -L-)	
266.4	M	****MM HDPE PIPE CULVERTS (750MM)	2,311	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	
145.2	M	****MM HDPE PIPE CULVERTS (900MM)	3,470.9	M3	CLASS A CONCRETE (CULVERT)	
			326,347	KG	REINFORCING STEEL (CULVERT)	
			154	MTN	GENERIC CULVERT ITEM RIP RAP, CLASS B	
						*** OR ***
3,088.8	M	375MM RC PIPE CULVERTS, CLASS III				
589.2	M	450MM RC PIPE CULVERTS, CLASS III				
896.4	M	600MM RC PIPE CULVERTS, CLASS III				
559.2	M	750MM RC PIPE CULVERTS, CLASS III	39.25	M2	GRAVITY RETAINING WALLS	
186	M	900MM RC PIPE CULVERTS, CLASS III	2,561	M2	MSE RETAINING WALL	
2,088	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (375MM, 1.63MM)	118.32	M2	PILE PANEL RETAINING WALLS	
1,172.6	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (450MM, 1.63MM)				<b>STRUCTURE ITEMS</b>
			Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (11+30.000 -Y2-)	

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (11+30.000 -Y2-)
748	M3	UNCLASSIFIED STRUCTURE EXCAVA- TION
29.1	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+30.000 -Y2-)
2,796	KG	REINFORCING STEEL (BRIDGE)
80	M	HP310X79 STEEL PILES
59.416	M	VERTICAL CONCRETE BARRIER RAIL
214	MTN	RIP RAP CLASS II (600MM THICK)
218	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
267.372	M	914MM X 991MM PRESTRESSED CONC BOX BEAMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080715 002

CONTRACT ID : C202007 34445.4.2

DIV OFFICE ASHEVILLE

LENGTH = 11.119 KM

COUNTY : YANCEY

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.

MBE GOAL 5.0% WBE 5.0% COMPLETION DATE : OCT 15 2012

US-19 FROM 0.8 KM EAST OF YANCEY COUNTY LINE TO SR-1336 (JACK'S CREEK ROAD).

ROADWAY ITEMS					
		2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (1700MM, 3.51MM)	
Lump Sum	LS	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (2300MM, 3.51MM)	
Lump Sum	LS	1	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (900MM, 2.01MM)	
1.2	HA	40	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
		6	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
Lump Sum	LS	2	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
		9.6	M	**** X ****MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ****MM THICK (1425MM X 950MM, 2.77MM)	
Lump Sum	LS	15.6	M	**** X ****MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ****MM THICK (1780MM X 1360MM, 2.77MM)	
1,000	M3	13.2	M	**** X ****MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ****MM THICK (1830MM X 1120MM, 2.77MM)	
2,400	MTN	24	M	**** X ****MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ****MM THICK (2080MM X 1530MM, 2.77MM)	
13,487	M3	27.6	M	**** X ****MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ****MM THICK (2410MM X 1700MM, 2.77MM)	
1,412	M	12	M	**** X ****MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ****MM THICK (2500MM X 1830MM, 2.77MM)	
34,500	M2	1	EA	GENERIC PIPE ITEM 1425MM X 950MM BCCS PIPE ARCH ELBOW, 10 DEGREE HORIZONTAL, 2.77MM THICK	
2,500	M2	1	EA	GENERIC PIPE ITEM 1780MM X 1360MM BCCS PIPE ARCH ELBOW, 3 DEGREE VERTICAL, 2.77MM THICK	
43	HR	1	EA	GENERIC PIPE ITEM 1830MM X 1120MM BCCS PIPE ARCH ELBOW, 1 DEGREE VERTICAL, 2.77MM THICK	
1,000	M3	2	EA	GENERIC PIPE ITEM 2080MM X 1530MM BCCS PIPE ARCH ELBOW, 2 DEGREE VERTICAL, 2.77MM THICK	
1,000	M2	1	EA	GENERIC PIPE ITEM 2410MM X 1700MM BCCS PIPE ARCH ELBOW, 4 DEGREE HORIZONTAL, 2.77MM THICK	
285	M2	1,686	M	PIPE REMOVAL	
195	M2	Lump Sum	LS	FINE GRADING	
2,680	MTN	41,120	M2	LIME TREATED SOIL (SLURRY METHOD)	
51.6	M	470	MTN	LIME FOR LIME TREATED SOIL	
49.2	M	245	MTN	#57 STONE	
563.6	M	800	MTN	STABILIZER AGGREGATE	
138	M	95,940	M2	SOIL CEMENT BASE (180MM)	
363.6	M	2,910	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	
46.8	M	1,330	MTN	AGGREGATE FOR SOIL CEMENT BASE	
16.8	M	93,210	L	ASPHALT CURING SEAL	
21.6	M	250	MTN	INCIDENTAL STONE BASE	
25.2	M	2,600	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	
86.4	M	1,300	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	
583.2	M	49,700	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
138	M				
82.8	M				
91.2	M				
64.8	M				
2.4	M				
34.8	M				
16.8	M				
2	EA				

			2	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE
			356.1	MTN	RIP RAP, CLASS I
			425	MTN	RIP RAP, CLASS II
			160	MTN	RIP RAP, CLASS A
			1,338.1	MTN	RIP RAP, CLASS B
			888	MTN	BOULDERS
			10,614.6	M2	FILTER FABRIC FOR DRAINAGE
			7	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			1,701	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL
			2	EA	SIGN ERECTION, TYPE D
			353	EA	SIGN ERECTION, TYPE E
			11	EA	SIGN ERECTION, TYPE F
			8	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
			118	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			70	M2	WORK ZONE SIGNS (STATIONARY)
			73	M2	WORK ZONE SIGNS (PORTABLE)
			70	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
			2	EA	FLASHING ARROW PANELS, TYPE C
			7	EA	CHANGEABLE MESSAGE SIGN
			1,500	EA	DRUMS
			549	M	BARRICADES (TYPE III)
			16,000	HR	FLAGGER
			10	EA	TEMPORARY CRASH CUSHIONS
			2	EA	RESET TEMPORARY CRASH CUSHIONS
			2	EA	TMIA
			470	M	PORTABLE CONCRETE BARRIER
			124	M	PORTABLE CONCRETE BARRIER (ANCHORED)
			470	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
			88	M	RESET PORTABLE CONCRETE BARRIER
			88	M	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)
			100	HR	POLICE
			1,000	EA	TEMPORARY RAISED PAVEMENT MARKERS
			188,974	M	PAINT PAVEMENT MARKING LINES (100MM)
			126	M	PAINT PAVEMENT MARKING LINES (200MM)
			508	M	PAINT PAVEMENT MARKING LINES (600MM)
			295	EA	PAINT PAVEMENT MARKING SYMBOL
			36,366	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****) (STANDARD GLASS BEADS)
			254	M	POLYUREA PAVEMENT MARKING LINES (600MM, *****) (STANDARD GLASS BEADS)
			295	EA	POLYUREA PAVEMENT MARKING SYMBOL (*****)
					(STANDARD GLASS BEADS)
			7,000	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
			63	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)
			1,526	EA	SNOWPLOWABLE PAVEMENT MARKERS
			11,300	M	TEMPORARY SILT FENCE
			6,200	MTN	STONE FOR EROSION CONTROL, CLASS A
			11,200	MTN	STONE FOR EROSION CONTROL, CLASS B
			11,000	MTN	SEDIMENT CONTROL STONE
			61	HA	TEMPORARY MULCHING
			3,350	KG	SEED FOR TEMPORARY SEEDING
			18	MTN	FERTILIZER FOR TEMPORARY SEEDING
			500	M	TEMPORARY SLOPE DRAINS
			26	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
			16,000	M	SAFETY FENCE
			56,110	M3	SILT EXCAVATION
			49,200	M2	MATting FOR EROSION CONTROL
			3,055	M2	COIR FIBER MAT
			17,650	M2	PERMANENT SOIL REINFORCEMENT MAT
			1,825	M	6.4MM HARDWARE CLOTH
			55	M	***MM TEMPORARY PIPE (450MM)
			100	M	TEMPORARY PIPE FOR STREAM CROSSING
			800	M3	STILLING BASINS
			30	EA	SPECIAL STILLING BASINS
			1,025	M	WATTLE
			1,000	KG	POLYACRYLAMIDE (PAM)
3,000	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
45,200	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
2,712	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22			
1,390	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR			
146	EA	RIGHT OF WAY MARKERS			
165.6	M3	SUBDRAIN EXCAVATION			
82.8	M3	SUBDRAIN FINE AGGREGATE			
200	M	150MM PERFORATED SUBDRAIN PIPE			
21	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS			
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET			
4	M	150MM OUTLET PIPE (SUBDRAINS)			
20	MTN	BLOTTING SAND			
27	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE			
3.7	M3	ENDWALLS			
66.24	M3	REINFORCED ENDWALLS			
1.61	M3	PIPE COLLARS			
37.92	M3	FLOWABLE FILL			
304	EA	MASONRY DRAINAGE STRUCTURES			
26.81	M	MASONRY DRAINAGE STRUCTURES			
105	EA	FRAME WITH TWO GRATES, STD 840.16			
84	EA	FRAME WITH TWO GRATES, STD 840.24			
57	EA	FRAME WITH TWO GRATES, STD 840.29			
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
20	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
5	EA	FRAME WITH COVER, STD 840.54			
2	EA	***MM SLUICE GATE (800MM)			
Lump Sum	LS	GENERIC DRAINAGE ITEM HAZARDOUS SPILL RETENTION BASIN			
2,400	M	***MM CONCRETE CURB & GUTTER (825MM)			
6,200	M	450MM CONCRETE CURB & GUTTER			
460	M	750MM CONCRETE CURB & GUTTER			
1,500	M	SHOULDER BERM GUTTER			
1,900	M	CONCRETE EXPRESSWAY GUTTER			
12	M2	150MM CONCRETE DRIVEWAY			
112	M2	100MM CONCRETE PAVED DITCH			
8,500	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
15.2	M	GENERIC PAVING ITEM EMERGENCY VEHICLE ACCESS			
8	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX			
1	EA	IMPACT ATTENUATOR UNIT, TYPE 350			
5,006.34	M	STEEL BM GUARDRAIL			
243.84	M	STEEL BM GUARDRAIL, SHOP CURVED			
10	EA	ADDITIONAL GUARDRAIL POSTS			
7	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1			
2	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
7	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
78	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
11	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
4,258	M	REMOVE EXISTING GUARDRAIL			
100	M	TEMPORARY STEEL BM GUARDRAIL			
7,800	M	WOVEN WIRE FENCE, 1200MM FABRIC			
1,520	EA	100MM TIMBER FENCE POSTS, 2.30M LONG			
568	EA	125MM TIMBER FENCE POSTS, 2.50M LONG			
80	M	CHAIN LINK FENCE, 1200MM FABRIC			
22	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE			

3,825	M	COIR FIBER BAFFLES
1	EA	***MM SKIMMER (102MM)
2	EA	***MM SKIMMER (127MM)
83	EA	***MM SKIMMER (38MM)
37	EA	***MM SKIMMER (51MM)
22	EA	***MM SKIMMER (64MM)
5	EA	***MM SKIMMER (76MM)
80	HA	SEEDING & MULCHING
46.5	HA	MOWING
1,000	KG	SEED FOR REPAIR SEEDING
3.5	MTN	FERTILIZER FOR REPAIR SEEDING
2,075	KG	SEED FOR SUPPLEMENTAL SEEDING
124.25	MTN	FERTILIZER TOPDRESSING
410	M	IMPERVIOUS DIKE
37	HR	SPECIALIZED HAND MOWING
5	EA	ROOTWADS
170	M3	CULVERT DIVERSION CHANNEL
1	HA	REFORESTATION
2.95	HA	STREAMBANK REFORESTATION
Lump Sum	LS	GENERIC EROSION CONTROL ITEM CONSTRUCTION SURVEYING FOR MITIGATION
Lump Sum	LS	GENERIC EROSION CONTROL ITEM DIVERSION PUMPING FOR MITIGATION
Lump Sum	LS	GENERIC EROSION CONTROL ITEM GRADING FOR MITIGATION
605	M	SIGNAL CABLE
20	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
328	M	MESSENGER CABLE (9.52MM)
5	M	PAVED TRENCHING (***** (2, 2"))
472	M	UNPAVED TRENCHING (***** (2, 2"))
10	EA	JUNCTION BOX (STANDARD SIZE)
9	EA	WOOD POLE
16	EA	GUY ASSEMBLY
3	EA	25MM RISER WITH WEATHERHEAD
8	EA	50MM RISER WITH WEATHERHEAD
590	M	INDUCTIVE LOOP SAWCUT
1,055	M	LEAD-IN CABLE (***** (14-2))
1	EA	MICROWAVE VEHICLE DETECTOR
2	EA	SIGNAL CABINET FOUNDATION
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
13	EA	DETECTOR CARD (TYPE 2070L)
2	EA	CABINET BASE EXTENDER
***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****		
4,430.4	M	375MM RC PIPE CULVERTS, CLASS III
1,530	M	450MM RC PIPE CULVERTS, CLASS III
*** OR ***		
4,124.4	M	375MM RC PIPE CULVERTS, CLASS III
982.8	M	450MM RC PIPE CULVERTS, CLASS III
306	M	*****MM HDPE PIPE CULVERTS (375MM)
547.2	M	*****MM HDPE PIPE CULVERTS (450MM)
*** OR ***		
4,124.4	M	375MM RC PIPE CULVERTS, CLASS III
982.8	M	450MM RC PIPE CULVERTS, CLASS III
306	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (375MM, 1.63MM)
547.2	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (450MM, 1.63MM)
***** END SCHEDULE AA ***** ***** BEGIN SCHEDULE AB ***** ***** (2 ALTERNATES) *****		
910.000	M3	UNCLASSIFIED EXCAVATION

71,400	MTN	AGGREGATE BASE COURSE
14,800	M3	SHOULDER BORROW
16,800	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
3,420	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
*** OR ***		
903,000	M3	UNCLASSIFIED EXCAVATION
1,820	MTN	AGGREGATE BASE COURSE
11,700	M3	SHOULDER BORROW
49,200	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
4,805	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22

\*\*\* END SCHEDULE AB \*\*\*

**CULVERT ITEMS**

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+72.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (138+05.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (156+63.000-L-)
312	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
465.1	M3	CLASS A CONCRETE (CULVERT)
51,451	KG	REINFORCING STEEL (CULVERT)

**WALL ITEMS**

222	M2	MSE RETAINING WALL
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**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (191+92.500-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (223+53.200-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (175+52.267-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (223+53.200-L-)
60.1	M	1066MM DIA DRILLED PIERS IN SOIL
26	M	1066MM DIA DRILLED PIERS NOT IN SOIL
10	M	PERMANENT STEEL CASING FOR 1066MM DRILLED PIER
6	EA	SID INSPECTION
3	EA	SPT TESTING
6	EA	CROSSHOLE SONIC LOGGING
2,740	M3	UNCLASSIFIED STRUCTURE EXCAVATION
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (191+92.500-L-)
2,435.2	M2	REINFORCED CONCRETE DECK SLAB
3,350.8	M2	GROOVING BRIDGE FLOORS
94.9	M3	CLASS AA CONCRETE (BRIDGE)
374	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (175+52.267-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (175+52.267-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (191+92.500-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (223+53.200-L-)
43,818	KG	REINFORCING STEEL (BRIDGE)
1,945	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
5,109	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,004.58	M	1143MM PRESTRESSED CONCRETE GIRDERS
623	M	HP310X79 STEEL PILES

146.4	M	PP ** X **** GALVANIZED STEEL PILES (762MM X 12.7MM)
18	EA	STEEL PILE POINTS
234.45	M	CONCRETE BARRIER RAIL
172.408	M	*** X ****MM CONCRETE PARAPET (483MM X 178MM)
743	M2	CLASS I, SURFACE PREPARATION
35	M2	CLASS II, SURFACE PREPARATION
10	M2	CLASS III, SURFACE PREPARATION
49	M3	LATEX MODIFIED CONC OVERLAY
1,535	M2	PLACING & FINISHING OF LATEX MODIFIED CONC OVERLAY
2,074	MTN	RIP RAP CLASS II (600MM THICK)
2,154	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
160.316	M	GENERIC STRUCTURE ITEM SPECIAL STEEL 2 BAR METAL RAIL

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080715 003

CONTRACT ID : C202107 34445.4.1

DIV OFFICE ASHEVILLE

LENGTH = 21.745 KM

COUNTY : MADISON, YANCEY

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

MBE GOAL 5.0% WBE 5.0% COMPLETION DATE : OCT 15 2012

US-19 FROM I-26 IN MADISON COUNTY TO SR-1336 (JACK'S CREEK RD).

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	10.8	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	FIELD OFFICE	1,261.2	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	CLEARING & GRUBBING .. HECTACRE(S)	358.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
2.8	HA	SUPPLEMENTARY CLEARING & GRUBBING	288	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
2	EA	SEALING ABANDONED WELLS			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+30.00-Y2-)	172.8	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (175+50)	212.4	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (191+92)	2.4	M	1000MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (223+56)	34.8	M	1200MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (223+56)	16.8	M	1400MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK
26,000	M3	UNDERCUT EXCAVATION	4	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (1000MM, 2.01MM)
13,150	MTN	CLASS IV SUBGRADE STABILIZATION	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (1200MM, 2.01MM)
22,847	M3	DRAINAGE DITCH EXCAVATION	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (1200MM, 2.77MM)
2,002	M	BERM DITCH CONSTRUCTION	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (1700MM, 3.51MM)
86,650	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (2300MM, 3.51MM)
2,500	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	6	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (800MM, 2.01MM)
87	HR	PROOF ROLLING	14	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (900MM, 2.01MM)
3,000	M3	SELECT GRANULAR MATERIAL	88	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
6,000	M2	FABRIC FOR SOIL STABILIZATION	32	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
2,295	M2	TEMPORARY SHORING	24	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
195	M2	GENERIC GRADING ITEM ROCK PLATING	9.6	M	*** X ***MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ***MM THICK (1425MM X 950MM, 2.77MM)
8,000	M2	GENERIC GRADING ITEM SEPARATION FABRIC FOR ROCK EMBANKMENT	15.6	M	*** X ***MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ***MM THICK (1780MM X 1360MM, 2.77MM)
13,500	MTN	GENERIC GRADING ITEM CLASS VI MATERIAL FOR ROCK EMBANKMENT	13.2	M	*** X ***MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ***MM THICK (1830MM X 1120MM, 2.77MM)
6,465	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	24	M	*** X ***MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ***MM THICK (2080MM X 1530MM, 2.77MM)
182.4	M	375MM SIDE DRAIN PIPE	27.6	M	*** X ***MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ***MM THICK (2410MM X 1700MM, 2.77MM)
78	M	450MM SIDE DRAIN PIPE	12	M	*** X ***MM BIT COAT CS PIPE ARCH CULVERTS, TYPE B ***MM THICK (2500MM X 1830MM, 2.77MM)
46.8	M	1050MM RC PIPE CULVERTS, CLASS III	1	EA	GENERIC PIPE ITEM 1425MM X 950MM BCCS PIPE ARCH ELBOW, 10 DEGREE HORIZONTAL, 2.77MM THICK
129.6	M	1200MM RC PIPE CULVERTS, CLASS III	1	EA	GENERIC PIPE ITEM 1780MM X 1360MM BCCS PIPE ARCH ELBOW, 3 DEGREE VERTICAL, 2.77MM THICK
46.8	M	1350MM RC PIPE CULVERTS, CLASS III			
181.2	M	***MM RC PIPE CULVERTS, CLASS IV (750MM)			
115.2	M	***MM RC PIPE CULVERTS, CLASS IV (900MM)			
24	M	*** X ***MM CS PIPE ARCH CULVERTS, ***MM THICK (2620MM X 1800MM, 2.77MM)			
38.4	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK (1000MM, 2.01MM)			
42	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK (1200MM, 2.01MM)			
124.8	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK (1700MM, 2.77MM)			
21.6	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK, (75 X 25MM CORRUGATIONS) (1700MM, 2.77MM)			
25.2	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK, (75 X 25MM CORRUGATIONS) (1700MM, 3.51MM)			

			19	EA	FRAME WITH COVER, STD 840.54		
			2	EA	***MM SLUICE GATE (800MM)		
			Lump Sum	LS	GENERIC DRAINAGE ITEM HAZARDOUS SPILL RETENTION BASIN		
			5,075	M	***MM CONCRETE CURB & GUTTER (825MM)		
			15,450	M	450MM CONCRETE CURB & GUTTER		
			460	M	750MM CONCRETE CURB & GUTTER		
			3,185	M	SHOULDER BERM GUTTER		
			1	EA	MODIFIED CONCRETE FLUME		
			1,923	M	CONCRETE EXPRESSWAY GUTTER		
			12	M2	150MM CONCRETE DRIVEWAY		
			253	M2	100MM CONCRETE PAVED DITCH		
			5,100	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)		
			8,500	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)		
			685	M	CONCRETE BARRIER, TYPE ***** (IV)		
			340	M	CONCRETE BARRIER, TYPE ***** (T)		
			665	M	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (III)		
			15.2	M	GENERIC PAVING ITEM EMERGENCY VEHICLE ACCESS		
			2	EA	ADJUSTMENT OF MANHOLES		
			8	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX		
			3	EA	IMPACT ATTENUATOR UNIT, TYPE 350		
			13,373.1	M	STEEL BM GUARDRAIL		
			1,348.74	M	STEEL BM GUARDRAIL, SHOP CURVED		
			2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS		
			25	EA	ADDITIONAL GUARDRAIL POSTS		
			21	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1		
			41	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1		
			7	EA	GUARDRAIL ANCHOR UNITS, TYPE III		
			143	EA	GUARDRAIL ANCHOR UNITS, TYPE 350		
			1	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350		
			17	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77		
			6,873	M	REMOVE EXISTING GUARDRAIL		
			199.06	M	TEMPORARY STEEL BM GUARDRAIL		
			28.575	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)		
			1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (TYPE B-77)		
			18	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY		
			29,900	M	WOVEN WIRE FENCE, 1200MM FABRIC		
			5,960	EA	100MM TIMBER FENCE POSTS, 2.30M LONG		
			1,968	EA	125MM TIMBER FENCE POSTS, 2.50M LONG		
			460	M	CHAIN LINK FENCE, 1200MM FABRIC		
			126	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE		
			7	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE		
			1	EA	DOUBLE GATES, ****MM HIGH, ****MM WIDE, ****MM OPENING (1200MM, 1220MM, 2440MM)		
			2,670	M	RELAPPING GUARDRAIL		
			2,466.1	MTN	RIP RAP, CLASS I		
			425	MTN	RIP RAP, CLASS II		
			610	MTN	RIP RAP, CLASS A		
			2,293.1	MTN	RIP RAP, CLASS B		
			5,368	MTN	BOULDERS		
			25,294.6	M2	FILTER FABRIC FOR DRAINAGE		
			26	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON		
			2	EA	GENERIC EROSION CONTROL ITEM ENERGY DISSIPATOR		
			3,014	M	SUPPORTS, 4.5-KG STEEL U-CHANN EL		
			4	EA	SIGN ERECTION, TYPE D		
			622	EA	SIGN ERECTION, TYPE E		
			16	EA	SIGN ERECTION, TYPE F		
			17	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)		
1	EA	GENERIC PIPE ITEM 1830MM X 1120MM BCCS PIPE ARCH ELBOW, 1 DEGREE VERTICAL, 2.77MM THICK					
2	EA	GENERIC PIPE ITEM 2080MM X 1530MM BCCS PIPE ARCH ELBOW, 2 DEGREE VERTICAL, 2.77MM THICK					
1	EA	GENERIC PIPE ITEM 2410MM X 1700MM BCCS PIPE ARCH ELBOW, 4 DEGREE HORIZONTAL, 2.77MM THICK					
3,283	M	PIPE REMOVAL					
Lump Sum	LS	FINE GRADING					
72,120	M2	LIME TREATED SOIL (SLURRY METHOD)					
815	MTN	LIME FOR LIME TREATED SOIL					
1,495	MTN	#57 STONE					
1,300	MTN	STABILIZER AGGREGATE					
168,265	M2	SOIL CEMENT BASE (180MM)					
5,080	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE					
1,820	MTN	AGGREGATE FOR SOIL CEMENT BASE					
163,485	L	ASPHALT CURING SEAL					
500	MTN	INCIDENTAL STONE BASE					
16,000	L	PRIME COAT					
39,500	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (65MM)					
5,300	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B					
1,300	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B					
114,700	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C					
3,000	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B					
88,800	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C					
2,600	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A					
5,332	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22					
2,180	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR					
631	EA	RIGHT OF WAY MARKERS					
662.6	M3	SUBDRAIN EXCAVATION					
331.8	M3	SUBDRAIN FINE AGGREGATE					
800	M	150MM PERFORATED SUBDRAIN PIPE					
81	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS					
6	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET					
12	M	150MM OUTLET PIPE (SUBDRAINS)					
2,895	M	SHOULDER DRAIN					
2,895	M	100MM SHOULDER DRAIN PIPE					
265	M	100MM OUTLET PIPE (SHOULDER DRAINS)					
14	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET					
35	MTN	BLOTTING SAND					
27	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE					
52.2	M3	ENDWALLS					
70.04	M3	REINFORCED ENDWALLS					
2.73	M3	PIPE COLLARS					
0.16	M3	PIPE PLUGS					
337.92	M3	FLOWABLE FILL					
669	EA	MASONRY DRAINAGE STRUCTURES					
2.65	M3	MASONRY DRAINAGE STRUCTURES					
71.61	M	MASONRY DRAINAGE STRUCTURES					
3	EA	FRAME WITH GRATE, STD 840.24					
160	EA	FRAME WITH TWO GRATES, STD 840.16					
249	EA	FRAME WITH TWO GRATES, STD 840.24					
113	EA	FRAME WITH TWO GRATES, STD 840.29					
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)					
39	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)					
47	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)					



			100	M	***MM TEMPORARY PIPE (450MM)	
			220	M	TEMPORARY PIPE FOR STREAM CROSSING	
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	1,620	M3	STILLING BASINS	
			44	EA	SPECIAL STILLING BASINS	
215	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1,061	M	WATTLE	
216	M2	WORK ZONE SIGNS (STATIONARY)	1,060	KG	POLYACRYLAMIDE (PAM)	
159	M2	WORK ZONE SIGNS (PORTABLE)	7,280	M	COIR FIBER BAFFLES	
135	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	3	EA	***MM SKIMMER (102MM)	
4	EA	FLASHING ARROW PANELS, TYPE C	2	EA	***MM SKIMMER (127MM)	
15	EA	CHANGEABLE MESSAGE SIGN	208	EA	***MM SKIMMER (38MM)	
2,380	EA	DRUMS	61	EA	***MM SKIMMER (51MM)	
366	EA	CONES	41	EA	***MM SKIMMER (64MM)	
1,205	M	BARRICADES (TYPE III)	14	EA	***MM SKIMMER (76MM)	
32,000	HR	FLAGGER	231	HA	SEEDING & MULCHING	
22	EA	TEMPORARY CRASH CUSHIONS	96.5	HA	MOWING	
10	EA	RESET TEMPORARY CRASH CUSHIONS	1,825	KG	SEED FOR REPAIR SEEDING	
4	EA	TMA	7.25	MTN	FERTILIZER FOR REPAIR SEEDING	
667	M	PORTABLE CONCRETE BARRIER	4,325	KG	SEED FOR SUPPLEMENTAL SEEDING	
196	M	PORTABLE CONCRETE BARRIER (ANCHORED)	379.25	MTN	FERTILIZER TOPDRESSING	
708	M	PORTABLE CONCRETE BARRIER (DRAINAGE)	1,420	M	IMPERVIOUS DIKE	
236	M	RESET PORTABLE CONCRETE BARRIER	110.5	HR	SPECIALIZED HAND MOWING	
54	M	RESET PORTABLE CONCRETE BARRIER (ANCHORED)	5	EA	ROOTWADS	
267	M	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)	710	M3	CULVERT DIVERSION CHANNEL	
200	HR	POLICE	2	HA	REFORESTATION	
2,016	EA	TEMPORARY RAISED PAVEMENT MARKERS	5.58	HA	STREAMBANK REFORESTATION	
353,524	M	PAINT PAVEMENT MARKING LINES (100MM)	Lump Sum	LS	GENERIC EROSION CONTROL ITEM CONSTRUCTION SURVEYING FOR MITIGATION	
1,252	M	PAINT PAVEMENT MARKING LINES (200MM)	Lump Sum	LS	GENERIC EROSION CONTROL ITEM DIVERSION PUMPING FOR MITIGATION	
54	M	PAINT PAVEMENT MARKING LINES (300MM)	Lump Sum	LS	GENERIC EROSION CONTROL ITEM GRADING FOR MITIGATION	
655	M	PAINT PAVEMENT MARKING LINES (600MM)	810	M	SIGNAL CABLE	
315	EA	PAINT PAVEMENT MARKING SYMBOL	20	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	
74,005	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****) (STANDARD GLASS BEADS)	1	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)	
153	M	POLYUREA PAVEMENT MARKING LINES (200MM, *****) (STANDARD GLASS BEADS)	328	M	MESSENGER CABLE (9.52MM)	
448	M	POLYUREA PAVEMENT MARKING LINES (600MM, *****) (STANDARD GLASS BEADS)	5	M	PAVED TRENCHING (***** (2, 2"))	
400	EA	POLYUREA PAVEMENT MARKING SYMBOL (***** (STANDARD GLASS BEADS)	577	M	UNPAVED TRENCHING (***** (2, 2"))	
7,000	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	13	EA	JUNCTION BOX (STANDARD SIZE)	
63	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	9	EA	WOOD POLE	
2,992	EA	SNOWPLOWABLE PAVEMENT MARKERS	16	EA	GUY ASSEMBLY	
7	EA	2.1M U-CHANNEL POSTS	4	EA	25MM RISER WITH WEATHERHEAD	
208	M	200MM WATER LINE	10	EA	50MM RISER WITH WEATHERHEAD	
2	EA	200MM VALVE	705	M	INDUCTIVE LOOP SAWCUT	
1	EA	FIRE HYDRANT	1,055	M	LEAD-IN CABLE (***** (14-2)	
1	EA	RELOCATE FIRE HYDRANT	545	M	LEAD-IN CABLE (***** (18-2)	
156	M	200MM SANITARY GRAVITY SEWER	1	EA	MICROWAVE VEHICLE DETECTOR	
1	EA	SANITARY SEWER CLEAN-OUT	1	EA	SIGN FOR SIGNALS	
3	EA	1200MM DIA UTILITY MANHOLE	3	EA	SIGNAL CABINET FOUNDATION	
5.8	M	UTILITY MANHOLE WALL, 1200MM DIA	3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	
36,300	M	TEMPORARY SILT FENCE	20	EA	DETECTOR CARD (TYPE 2070L)	
14,000	MTN	STONE FOR EROSION CONTROL, CLASS A	3	EA	CABINET BASE EXTENDER	
38,650	MTN	STONE FOR EROSION CONTROL, CLASS B				***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****
30,750	MTN	SEDIMENT CONTROL STONE	9,607.2	M	375MM RC PIPE CULVERTS, CLASS III	
156	HA	TEMPORARY MULCHING	3,291.8	M	450MM RC PIPE CULVERTS, CLASS III	
6,725	KG	SEED FOR TEMPORARY SEEDING	2,132	M	600MM RC PIPE CULVERTS, CLASS III	
45	MTN	FERTILIZER FOR TEMPORARY SEEDING	963.6	M	750MM RC PIPE CULVERTS, CLASS III	
950	M	TEMPORARY SLOPE DRAINS	694.8	M	900MM RC PIPE CULVERTS, CLASS III	
71	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS				*** OR ***
31,000	M	SAFETY FENCE	7,213.2	M	375MM RC PIPE CULVERTS, CLASS III	
129,985	M3	SILT EXCAVATION	1,572	M	450MM RC PIPE CULVERTS, CLASS III	
97,625	M2	MATting FOR EROSION CONTROL	1,460	M	600MM RC PIPE CULVERTS, CLASS III	
3,990	M2	COIR FIBER MAT	697.2	M	750MM RC PIPE CULVERTS, CLASS III	
32,200	M2	PERMANENT SOIL REINFORCEMENT MAT	697.2	M	750MM RC PIPE CULVERTS, CLASS III	
4,575	M	6.4MM HARDWARE CLOTH	549.6	M	900MM RC PIPE CULVERTS, CLASS III	
15	M	***MM TEMPORARY PIPE (400MM)				

2,394	M	***** HDPE PIPE CULVERTS (375MM)
1,719.8	M	***** HDPE PIPE CULVERTS (450MM)
672	M	***** HDPE PIPE CULVERTS (600MM)
266.4	M	***** HDPE PIPE CULVERTS (750MM)
145.2	M	***** HDPE PIPE CULVERTS (900MM)
*** OR ***		
7,213.2	M	375MM RC PIPE CULVERTS, CLASS III
1,572	M	450MM RC PIPE CULVERTS, CLASS III
1,460	M	600MM RC PIPE CULVERTS, CLASS III
697.2	M	750MM RC PIPE CULVERTS, CLASS III
549.6	M	900MM RC PIPE CULVERTS, CLASS III
2,394	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (375MM, 1.63MM)
1,719.8	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (450MM, 1.63MM)
672	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (600MM, 1.63MM)
266.4	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (750MM, 2.01MM)
145.2	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (900MM, 2.01MM)
*** END SCHEDULE AA ***		
***** BEGIN SCHEDULE AB *****		
***** ( 2 ALTERNATES ) *****		
4,633,800	M3	UNCLASSIFIED EXCAVATION
119,700	MTN	AGGREGATE BASE COURSE
51,800	M3	SHOULDER BORROW
52,200	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
8,285	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
*** OR ***		
4,614,300	M3	UNCLASSIFIED EXCAVATION
10,320	MTN	AGGREGATE BASE COURSE
41,900	M3	SHOULDER BORROW
102,400	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
10,435	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22

\*\*\* END SCHEDULE AB \*\*\*

**CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (109+35.310 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (81+55.180 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (10+26.580 -Y11-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (109+35.310 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+72.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (138+05.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (156+63.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (19+72.600 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (21+37.796 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (31+48.170 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (33+79.340 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (37+94.390 -L-)

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+37.750 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (55+43.020 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (70+03.790 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (77+90.740 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (81+55.180 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (82+70.000 -L-)
2,623	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
3,936	M3	CLASS A CONCRETE (CULVERT)
377,798	KG	REINFORCING STEEL (CULVERT)
154	MTN	GENERIC CULVERT ITEM RIP RAP, CLASS B

**WALL ITEMS**

39.25	M2	GRAVITY RETAINING WALLS
2,783	M2	MSE RETAINING WALL
118.32	M2	PILE PANEL RETAINING WALLS

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (11+30.000 -Y2-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (191+92.500-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (223+53.200-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (11+30.000 -Y2-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (175+52.267-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (223+53.200-L-)
60.1	M	1066MM DIA DRILLED PIERS IN SOIL
26	M	1066MM DIA DRILLED PIERS NOT IN SOIL
10	M	PERMANENT STEEL CASING FOR 1066MM DRILLED PIER
6	EA	SID INSPECTION
3	EA	SPT TESTING
6	EA	CROSSHOLE SONIC LOGGING
3,488	M3	UNCLASSIFIED STRUCTURE EXCAVATION
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (191+92.500-L-)
2,435.2	M2	REINFORCED CONCRETE DECK SLAB
3,350.8	M2	GROOVING BRIDGE FLOORS
94.9	M3	CLASS AA CONCRETE (BRIDGE)
403.1	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+30.000 -Y2-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (175+52.267-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (175+52.267-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (191+92.500-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (223+53.200-L-)
46,614	KG	REINFORCING STEEL (BRIDGE)
1,945	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
5,109	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,004.58	M	1143MM PRESTRESSED CONCRETE GIRDERS
703	M	HP310X79 STEEL PILES

146.4	M	PP ** X **** GALVANIZED STEEL PILES (762MMX12.7MM)
18	EA	STEEL PILE POINTS
234.45	M	CONCRETE BARRIER RAIL
59.416	M	VERTICAL CONCRETE BARRIER RAIL
86.204	M	*** X ****MM CONCRETE PARAPET (483MMx178MM)
86.204	M	*** X ****MM CONCRETE PARAPET (483MMx178MM)
743	M2	CLASS I, SURFACE PREPARATION
35	M2	CLASS II, SURFACE PREPARATION
10	M2	CLASS III, SURFACE PREPARATION
49	M3	LATEX MODIFIED CONC OVERLAY
1,535	M2	PLACING & FINISHING OF LATEX MODIFIED CONC OVERLAY
2,288	MTN	RIP RAP CLASS II (600MM THICK)
2,372	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
267.372	M	914MM X 991MM PRESTRESSED CONC BOX BEAMS
160.316	M	GENERIC STRUCTURE ITEM SPECIAL STEEL 2 BAR METAL RAIL