




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

March 22, 2011

Notice To All Prequalified Contractors and Subscribers of the Invitation to Bid

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

Subject: *Invitation to Bid*

In an effort to provide the industry with electronic data in a more efficient and effective manner, beginning with the advertisement for the July 19, 2011 letting the Department will no longer mail a hardcopy "*Invitation to Bid*" to prequalified Contractors or subscribers.

The Invitation to Bid will be posted on the Project Letting webpage on the morning of the advertisement day and can be viewed and printed from the following link.

<http://www.ncdot.gov/doh/preconstruct/ps/contracts/letting.html#0>

If you have any questions, I can be reached at (919) 707-6900

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

TELEPHONE: 919-707-6900
FAX: 919-250-4119
WEBSITE: [WWW.NCDOT.ORG](http://www.ncdot.org)

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




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May 24, 2011

Notice To All Prequalified Contractors
From: R.A. Garris, P.E. 
 State Contract Officer
Subject: Directory of Transportation Firms

The NCDOT has updated its Transportation Directory to include additional items such as the SBE work codes, engineering disciplines, queries based on the physical address, and other reporting options. With the update, a new web address was created for the Directory. The old Directory address is still working, but we encourage the use of the new Directory for your outreach efforts. The new Directory address is <https://partner.ncdot.gov/ VendorDirectory/default.html>.

If you have any problems or have questions regarding the Directory please contact Mr Mickey Biedell at 919-733-7174.

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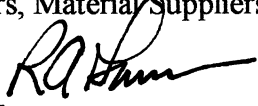
STATE OF NORTH CAROLINA
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May 24, 2011

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 Contract Standards and Development Unit's 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 919-707-6944, or place your order electronically at the following Website: <http://www.ncdot.org/business/order/puborder.html>

If you have any questions, I can be reached at (919) 707-6900

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UPDATED May 24, 2011

TIP#	DIVISION	COUNTY	DESCRIPTION	TENTATIVE LET DATE
R-2414B	1	CAMDEN	US 158/NC 34 FROM NORTH OF SR 1257 TO EAST OF NC 34 IN BELCROSS	JUNE 21, 2011
R-2533CC	10	CABARRUS	NC-49 FROM EAST OF SR 2630 (CLINE ROAD) TO EAST OF NC-73	JUNE 21, 2011
U-2519DA	6	CUMBERLAND	FAYETTEVILLE OUTER LOOP-FROM EAST OF SR 1415 (YADKIN ROAD) TO WEST OF NC-24 (BRAGG BOULEVARD)	JUNE 21, 2011
B-4183	13	MADISON	BRIDGE 29 OVER MIDDLE FORK CREEK ON SR 1526 AND BRIDGE 28 OVER CROOKED CREEK ON SR 1526	DECEMBER 20, 2011
R-2413C	7	GUILFORD ROCKINGHAM	NC 68 CONNECTOR –US 220 FROM THE HAW RIVER TO EXISTING NC 68/US 220 INTERSECTION	JANUARY 17, 2012




STATE OF NORTH CAROLINA
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May 18, 2010

NOTICE TO: All Prospective Bidders
FROM: R. A. Garriss, P.E. 
State Contract Engineer
SUBJECT: Notification of Drum and Skinny-Drum Design Changes

The North Carolina Department of Transportation is in the process of implementing a design change affecting drums and skinny drums. The Work Zone Traffic Control Unit has been working with the South Carolina DOT to improve standardization between our 2 states in work zone layout and device specifications. As a result of this collaboration, we have both agreed to change our drum and skinny-drum standards to have devices that meet the specifications in both North and South Carolina. Both states have agreed to utilize a band pattern consisting of 4-6" retroreflective bands for each device. In addition, both states will now use Type III high intensity micro-prismatic sheeting or better as the new standard.

As a result of these changes the following guidelines will be used during the transition from existing drums with the standard 5 banded Engineer's grade sheeting to the new 4 banded configuration with Type III high intensity micro-prismatic sheeting.

All new drums purchased after July 20, 2010 shall have the new sheeting and 4 band configuration.

5 band drums with Engineer's Grade sheeting (both new and used devices in existing inventories) will be allowed for use on all on-going construction projects until project completion and will also be allowed for use on other projects until a sunset date has been established.

Intermixing of "old drums" and "new drums" on the same project is acceptable during the transition

No 4 band drums with Engineer's Grade sheeting will be allowed at anytime

As such, beginning with the July 20, 2010 letting a new project special provision entitled "Channelizing Devices" will be included on all projects requiring "Drums" and/or "Skinny Drums" We will continue to work with our industry partners and other state agencies to improve standardization of work zone traffic control standards and devices where appropriate to improve the quality of safety devices and reduce costs wherever possible.

If you have any questions, contact Stuart Bourne at (919) 662-4338 or sbourne@ncdot.gov

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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON JUNE 21, 2011. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

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

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

3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE
<http://www.ncdot.gov/doh/preconstruct/ps/contracts/letting/debar/debar1.html>.

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

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

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

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

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

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-707-6925), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 7.75% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "N.C. DEPARTMENT OF TRANSPORTATION".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS MAY 24, 2011.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 16Oct2009)

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

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

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

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

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 830-3490
00003	H. Allen Pope, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Robert W Lewis, PE	PO BOX 3165	WILSON	(252) 237-6164
00005	J. Wally Bowman, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Gregory W Burns, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 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 L110621

RPN	Contract Id	WBS	County	Length	JobType
001	C202028	34817.3.12	CUMBERLAND	1.920 KM	GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.
002	C202760	34430.3.3	CAMDEN	4.823 KM	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.
003	C202787	15B.13.12	NEW HANOVER	0.000 MI	MECHANICAL AND ELECTRICAL REPAIRS.
004	C202788	45438.3.4	FRANKLIN, EDGEcombe, NASH	0.000 MI	BRIDGE PRESERVATION.
005	C202596	34448.3.9	CABARRUS	3.458 KM	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.
006	C202789	10CR.10841.34	ET STANLY	12.920 MI	MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
007	C202769	45420.3.1	GASTON	0.509 MI	GRADING, DRAINAGE, PAVING, AND SIGNALS.
008	C202622	34831.3.4	BURKE	0.641 MI	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, ITS & STRS.
009	C202790	41880.3.1	MCDOWELL	0.729 MI	MEDIAN BARRIER, MEDIAN GATES, PAVING, AND PAVEMENT MARKINGS.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110621 001

CONTRACT ID : C202028 34817.3.12

DIV OFFICE FAYETTEVILLE

LENGTH = 1.920 KM

COUNTY : CUMBERLAND

GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : MAY 15 2015

FAYETTEVILLE OUTER LOOP FROM EAST OF SR-1415 (YADKIN RD) TO WEST OF NC-24 (BRAGG BLVD).

ROADWAY ITEMS					
			165.6	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	MOBILIZATION	40.8	M	GENERIC PIPE ITEM 800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	CONSTRUCTION SURVEYING			
18,130	M3	GENERIC MISCELLANEOUS ITEM CHIPPED TIRE MATERIAL	14.4	M	GENERIC PIPE ITEM 900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	CLEARING & GRUBBING .. HECTARE(S)	91.2	M	GENERIC PIPE ITEM 900MM RC PIPE CULVERTS, CLASS III
2	HA	SUPPLEMENTARY CLEARING & GRUBBING			
4	EA	SEALING ABANDONED WELLS	58	EA	GENERIC PIPE ITEM 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
313,800	M3	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+10.929 -LP1B-)	2	EA	GENERIC PIPE ITEM 450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+60.500 -RP1A-)	4	EA	GENERIC PIPE ITEM 800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+08.916 -COL2-)	65	M	PIPE REMOVAL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+39.100 -RP1BD-)	110	M2	150MM SLOPE PROTECTION
28,000	M3	UNDERCUT EXCAVATION	Lump Sum	LS	FINE GRADING
600	M3	SHALLOW UNDERCUT	25	MTN	#57 STONE
1,200	MTN	CLASS IV SUBGRADE STABILIZATION	2,000	MTN	STABILIZER AGGREGATE
1,649,100	M3	BORROW EXCAVATION	58,400	MTN	AGGREGATE BASE COURSE
4,660	M3	DRAINAGE DITCH EXCAVATION	1,000	MTN	INCIDENTAL STONE BASE
230	M	BERM DITCH CONSTRUCTION	2,530	L	PRIME COAT
19,600	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	2,000	M2	MILLING ASPHALT PAVEMENT, *** TO ***MM DEPTH (0MM TO 40MM)
21	HR	PROOF ROLLING	585	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
28,700	M3	SELECT GRANULAR MATERIAL, CLASS III	3,805	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
38,450	M2	FABRIC FOR SOIL STABILIZATION	395	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
4,750	M2	ROCK PLATING	24,315	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
5,500	M3	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III	570	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
5,500	M2	GENERIC GRADING ITEM FABRIC FOR EMBANKMENT STABILIZATION	22,100	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
22,800	M2	GENERIC GRADING ITEM GEOGRID REINFORCEMENT	2,980	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
9,200	M2	GENERIC GRADING ITEM PERM TURF REINF MAT	1,390	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
Lump Sum	LS	GENERIC GRADING ITEM TEMPORARY BRIDGE APPROACH FILL STA 29+05.369 -L-WBL	1,330	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
Lump Sum	LS	GENERIC GRADING ITEM TEMPORARY BRIDGE APPROACH FILL STA 29+08.861 -L-EBL	170	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
Lump Sum	LS	GENERIC GRADING ITEM TEMPORARY BRIDGE APPROACH FILL STA 29+12.986 -COL1-	50	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR
1,940	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	2,100	M	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
5,830	M2	FOUNDATION CONDITIONING FABRIC	15	MTN	GENERIC PAVING ITEM LIME FOR LIME MODIFIED SOIL
171.6	M	GENERIC PIPE ITEM 1050MM RC PIPE CULVERTS, CLASS III	1,500	M2	GENERIC PAVING ITEM LIME MODIFIED SOIL
626.4	M	GENERIC PIPE ITEM 1200MM RC PIPE CULVERTS, CLASS III	538.2	M3	SUBDRAIN EXCAVATION
588	M	GENERIC PIPE ITEM 1200MM RC PIPE CULVERTS, CLASS IV	269.1	M3	SUBDRAIN FINE AGGREGATE
12	M	GENERIC PIPE ITEM 1800MM RC PIPE CULVERTS, CLASS III	650	M	150MM PERFORATED SUBDRAIN PIPE
154.8	M	GENERIC PIPE ITEM 1800MM RC PIPE CULVERTS, CLASS IV	5	EA	SUBDRAIN PIPE OUTLETS
682.8	M	GENERIC PIPE ITEM 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	10	M	150MM OUTLET PIPE (SUBDRAINS)
50.4	M	GENERIC PIPE ITEM 450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	32.8	M3	ENDWALLS
			5.4	M3	REINFORCED ENDWALLS
			4.5	M3	PIPE COLLARS
			0.5	M3	PIPE PLUGS
			136	EA	MASONRY DRAINAGE STRUCTURES
			24.1	M3	MASONRY DRAINAGE STRUCTURES
			7.5	M	MASONRY DRAINAGE STRUCTURES
			1	EA	FRAME WITH GRATE, STD 840.22
			48	EA	FRAME WITH TWO GRATES, STD 840.20
			67	EA	FRAME WITH TWO GRATES, STD 840.22
			1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)

			Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+00 -Y1-)
9	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (24+20 -RP1BD-)
2	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (27+70 -Y1-)
640	M	750MM CONCRETE CURB & GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (28+30 -Y1-)
2,370	M	SHOULDER BERM GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (29+20 -COL2-)
4	EA	MODIFIED CONCRETE FLUME	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (31+75 -Y1-)
50	M	CONCRETE VALLEY GUTTER	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (32+00 -Y1-)
25	M2	100MM CONCRETE PAVED DITCH	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (33+16 -COL2-)
250	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (35+10 -RP1BD-)
3	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (37+90 -RP1BD-)
1	EA	IMPACT ATTENUATOR UNIT, TYPE 350	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+70-RP1BD)
4,503.42	M	STEEL BM GUARDRAIL	2	EA	SIGN ERECTION, TYPE D
10	EA	ADDITIONAL GUARDRAIL POSTS	52	EA	SIGN ERECTION, TYPE E
12	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	10	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE III	1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
18	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	8	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
5	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	4	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD
22	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	4	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2,400	M	REMOVE EXISTING GUARDRAIL	14	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2,100	M	DOUBLE FACED CABLE GUIDERAIL	1	EA	DISPOSAL OF SIGN SYSTEM, WOOD
10	EA	ADDITIONAL GUIDERAIL POSTS	1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
8	EA	CABLE GUIDERAIL ANCHOR UNITS	1	EA	DISPOSAL OF SIGN, D, E OR F
2,500	M	WOVEN WIRE FENCE, 1200MM FABRIC	35	M2	WORK ZONE SIGNS (STATIONARY)
532	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	43	M2	WORK ZONE SIGNS (PORTABLE)
112	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	16	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
3,650	M	CHAIN LINK FENCE, ****MM FABRIC (2100MM)	2	EA	FLASHING ARROW PANELS, TYPE C
995	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (2100MM)	2	EA	CHANGEABLE MESSAGE SIGN
45	EA	METAL TERMINAL POSTS FOR ****MM CHAIN LINK FENCE (2100MM)	200	EA	DRUMS
6	EA	METAL GATE POSTS FOR ****MM CHAIN LINK FENCE, DOUBLE GATE (2100MM)	146	M	BARRICADES (TYPE III)
150	M	ADDITIONAL BARBED WIRE	2	EA	TEMPORARY CRASH CUSHIONS
1	EA	DOUBLE GATES, ****MM HIGH, ****MM WIDE, ****MM OPENING (2100MM, 5350MM, 10700MM)	2	EA	RESET TEMPORARY CRASH CUSHIONS
2	EA	DOUBLE GATES, ****MM HIGH, ****MM WIDE, ****MM OPENING (2100MM, 7500MM, 15000MM)	2	EA	TMIA
140	M	CHAIN LINK FENCE RESET	3,322	M	PORTABLE CONCRETE BARRIER
245	MTN	RIP RAP, CLASS I	41	M	PORTABLE CONCRETE BARRIER (ANCHORED)
220	MTN	RIP RAP, CLASS II	1,200	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
1,610	MTN	RIP RAP, CLASS B	4,102	M	RESET PORTABLE CONCRETE BARRIER
14,735	M2	FILTER FABRIC FOR DRAINAGE	500	HR	LAW ENFORCEMENT
5	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	22	EA	TUBULAR MARKERS (FIXED)
5	M3	REINFORCED CONCRETE SIGN FOUNDATIONS	450	EA	TEMPORARY RAISED PAVEMENT MARKERS
207	M3	OVERHEAD FOOTING	9,638	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
2,014	KG	SUPPORTS, BREAKAWAY STEEL BEAM	2,478	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
293	KG	SUPPORTS, SIMPLE STEEL BEAM	6,310	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
333	M	SUPPORTS, 4.5-KG STEEL U-CHANN EL	697	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (10+00 -RP1D-)	1,833	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (11+00 -Y1-)	751	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+04-LP2D)	8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+20 -Y1-)	13	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (13+40-Y2-)	396	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (100MM) (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (16+80 -Y1-)	41,532	M	PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (19+20-Y2-)			

			532	M	INDUCTIVE LOOP SAWCUT		
			3,007	M	LEAD-IN CABLE (***** (14-2)		
4,253	M	PAINT PAVEMENT MARKING LINES (150MM)	4	EA	900MHZ WIRELESS RADIO SYSTEM		
			8	EA	METAL STRAIN SIGNAL POLE		
968	M	PAINT PAVEMENT MARKING LINES (200MM)	8	EA	SOIL TEST		
680	M	PAINT PAVEMENT MARKING LINES (300MM)	42	M3	DRILLED PIER FOUNDATION		
			2	EA	SIGN FOR SIGNALS		
15	EA	PAINT PAVEMENT MARKING SYMBOL	2	EA	SIGNAL CABINET FOUNDATION		
201	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****) (HIGHLY REFLECTIVE ELEMENTS)	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)		
1,814	M	POLYUREA PAVEMENT MARKING LINES (150MM, *****) (HIGHLY REFLECTIVE ELEMENTS)	8	EA	DETECTOR CARD (TYPE 2070L)		
			2	EA	CABINET BASE EXTENDER		
14	M	POLYUREA PAVEMENT MARKING LINES (200MM, *****) (HIGHLY REFLECTIVE ELEMENTS)			***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****		
210	M	POLYUREA PAVEMENT MARKING LINES (300MM, *****) (HIGHLY REFLECTIVE ELEMENTS)	1,911.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
5,408	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	555.6	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
96	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	705.6	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
108	EA	PERMANENT RAISED PAVEMENT MARKERS	363.6	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
885	EA	SNOWPLOWABLE PAVEMENT MARKERS					
44	EA	FLEXIBLE DELINEATORS (CRYSTAL)					
52	EA	FLEXIBLE DELINEATORS (YELLOW)					*** OR ***
Lump Sum	LS	PORTABLE LIGHTING	144	M	GENERIC PIPE ITEM 375MM HDPE PIPE CULVERTS		
122	M	ABANDON 200MM UTILITY PIPE	190.8	M	GENERIC PIPE ITEM 450MM HDPE PIPE CULVERTS		
1	EA	ABANDON UTILITY MANHOLE	140.4	M	GENERIC PIPE ITEM 600MM HDPE PIPE CULVERTS		
32,800	M	TEMPORARY SILT FENCE	112.8	M	GENERIC PIPE ITEM 750MM HDPE PIPE CULVERTS		
4,550	MTN	STONE FOR EROSION CONTROL, CLASS A	1,767.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
20,700	MTN	STONE FOR EROSION CONTROL, CLASS B	364.8	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
11,450	MTN	SEDIMENT CONTROL STONE	565.2	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
100	HA	TEMPORARY MULCHING	250.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
2,500	KG	SEED FOR TEMPORARY SEEDING					
18	MTN	FERTILIZER FOR TEMPORARY SEED- ING					*** OR ***
10,000	M	TEMPORARY SLOPE DRAINS	144	M	GENERIC PIPE ITEM 400MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
160	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	190.8	M	GENERIC PIPE ITEM 450MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
4,550	M	SAFETY FENCE	140.4	M	GENERIC PIPE ITEM 600MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK		
43,000	M3	SILT EXCAVATION	112.8	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK		
107,000	M2	MATTING FOR EROSION CONTROL	1,767.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
700	M2	COIR FIBER MAT	364.8	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
3,850	M2	PERMANENT SOIL REINFORCEMENT MAT	565.2	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
1,060	M	6.4MM HARDWARE CLOTH	250.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
30	M	TEMPORARY PIPE FOR STREAM CROSSING					
748	M3	STILLING BASINS					
10	EA	SPECIAL STILLING BASINS					
3,000	M	COIR FIBER WATTLE					
3,000	KG	POLYACRYLAMIDE (PAM)					
5,000	M	COIR FIBER BAFFLES					
1	EA	***MM SKIMMER (102MM)	112.8	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III		
35	EA	***MM SKIMMER (38MM)	364.8	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III		
11	EA	***MM SKIMMER (51MM)	565.2	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III		
6	EA	***MM SKIMMER (64MM)	250.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III		
2	EA	***MM SKIMMER (76MM)					
150	HA	SEEDING & MULCHING					
100	HA	MOWING					
4,050	KG	SEED FOR REPAIR SEEDING					
13.5	MTN	FERTILIZER FOR REPAIR SEEDING					
3,375	KG	SEED FOR SUPPLEMENTAL SEEDING					
200	MTN	FERTILIZER TOPDRESSING					
370	M	IMPERVIOUS DIKE					
250	MHR	SPECIALIZED HAND MOWING					*** END SCHEDULE AA ***
200	EA	RESPONSE FOR EROSION CONTROL					
850	M3	CULVERT DIVERSION CHANNEL					
1.5	HA	REFORESTATION					
480	M	SIGNAL CABLE					
16	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (22+70.320-L-POT)		
412	M	MESSANGER CABLE (9.52MM)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (30+73.000-L-)		
5	M	PAVED TRENCHING (***** (1, 50MM)	1,016	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT		
421	M	UNPAVED TRENCHING (***** (1, 50MM)	1,756.7	M3	CLASS A CONCRETE (CULVERT)		
9	M	UNPAVED TRENCHING (***** (2, 50MM)	118,018	KG	REINFORCING STEEL (CULVERT)		
16	EA	JUNCTION BOX (STANDARD SIZE)					

CULVERT ITEMS

WALL ITEMS

1,624 M2 MSE RETAINING WALLS

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (14+60.500-RP1A-)			
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (28+66.746-COL2-)			
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (28+72.626-RP1BD-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+34.958-Y1-LT)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+34.958-Y1-RT)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1 PART A, 34+21.044-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1 PART B, 34+21.044-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1 PART C, 34+21.044-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 12+10.929-LP1B-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2 PART A, 34+21.044-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2 PART B, 34+21.044-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2 PART C, 34+21.044-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 12+10.929-LP1B-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,28+66.746-COL2-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 14+60.500-RP1A-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,28+66.746-COL2-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,28+72.615-L-LT)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (6,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (7,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (8,28+72.626-RP1BD-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (9,28+72.626-RP1BD-)			
9	EA	PDA TESTING			
9	EA	PDA ASSISTANCE			
15,851.9	M2	REINFORCED CONCRETE DECK SLAB			
15,883.7	M2	GROOVING BRIDGE FLOORS			
3,049.2	M3	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (12+10.929-LP1B-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+60.500-RP1A-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+34.958-Y1-LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+34.958-Y1-RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+66.746-COL2-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+72.626-RP1BD-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (34+21.044-RP1BD-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (41+33.963-RP1BD-)			
285,269	KG	REINFORCING STEEL (BRIDGE)			
10,396	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
121.596	M	914MM PRESTRESSED CONCRETE GIRDERS			
272.828	M	1143MM PRESTRESSED CONCRETE GIRDERS			
960.68	M	1372MM PRESTRESSED CONCRETE GIRDERS			
2,891,200	LS	APPROX KG STRUCTURAL STEEL			
1,059	M	HP310X79 STEEL PILES			
13,541	M	HP360X108 STEEL PILES			
1,598	M	HP360X108 GALVANIZED STEEL PILES			
260	M	PP ** X *** GALVANIZED STEEL PILES (457MM X 12.7MM)			
268	EA	PILE REDRIVES			
2,205.857	M	CONCRETE BARRIER RAIL			
4,952.4	M2	100MM SLOPE PROTECTION			
984.6	M2	CLASS I, SURFACE PREPARATION			
178.4	M2	CLASS IA, SURFACE PREPARATION			
49.3	M2	CLASS II, SURFACE PREPARATION			
55.6	M3	LATEX MODIFIED CONC OVERLAY			
1,736.3	M2	PLACING & FINISHING OF LATEX MODIFIED CONC OVERLAY			
3,443	MTN	RIP RAP CLASS II (600MM THICK)			
3,516	M2	FILTER FABRIC FOR DRAINAGE			
Lump Sum	LS	POT BEARINGS			
Lump Sum	LS	ELASTOMERIC BEARINGS			
Lump Sum	LS	EVAZOTE JOINT SEALS			
Lump Sum	LS	EXPANSION JOINT SEALS			
Lump Sum	LS	MODULAR EXPANSION JOINT SEALS			
Lump Sum	LS	GENERIC STRUCTURE ITEM POST TENSIONING TENDONS			
39.372	M	GENERIC STRUCTURE ITEM ONE BAR RAIL REATTACHMENT			
11.7	M3	GENERIC STRUCTURE ITEM POST TENSIONING ENCASEMENT			
121.8	M3	GENERIC STRUCTURE ITEM PRESTRESS -41.4MPA CONCRETE			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L110621 002

CONTRACT ID : C202760 34430.3.3

DIV OFFICE EDENTON

LENGTH = 4.823 KM

COUNTY : CAMDEN

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERTS.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : JUL 15 2014

US-158 FROM SOUTH OF SR-1139 TO EAST OF NC-34 IN BELCROSS.

		ROADWAY ITEMS			
				21,100	MTN ASPHALT CONC SURFACE COURSE, TYPE S9.5C
				2,449	MTN ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
Lump Sum	LS	MOBILIZATION		1,266	MTN ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
Lump Sum	LS	CLEARING & GRUBBING .. HECTARE(S)		490	MTN ASPHALT PLANT MIX, PAVEMENT REPAIR
	0.4	HA SUPPLEMENTARY CLEARING & GRUBBING		9,650	M3 SUBDRAIN EXCAVATION
	14,500	M3 UNCLASSIFIED EXCAVATION		4,830	M3 SUBDRAIN FINE AGGREGATE
	9,150	M3 UNDERCUT EXCAVATION		11,648	M 150MM PERFORATED SUBDRAIN PIPE
	29,100	M3 SHALLOW UNDERCUT		78	EA SUBDRAIN PIPE OUTLETS
	116,100	MTN CLASS IV SUBGRADE STABILIZATION		156	M 150MM OUTLET PIPE (SUBDRAINS)
	95,000	M3 BORROW EXCAVATION		4	M3 ENDWALLS
	28	EA EMBANKMENT SETTLEMENT GAUGES		2	M3 PIPE COLLARS
	2,400	M3 DRAINAGE DITCH EXCAVATION		1	M3 PIPE PLUGS
	9,300	M2 REMOVAL OF EXISTING ASPHALT PAVEMENT		192	EA MASONRY DRAINAGE STRUCTURES
	11,525	M3 SELECT GRANULAR MATERIAL, CLASS III		10	M MASONRY DRAINAGE STRUCTURES
	70,600	M2 FABRIC FOR SOIL STABILIZATION		39	EA FRAME WITH TWO GRATES, STD 840.16
	304	M2 TEMPORARY SHORING		1	EA FRAME WITH TWO GRATES, STD 840.24
	45,250	M3 GENERIC GRADING ITEM MASS SOIL MIXING		33	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
	5,000	M3 GENERIC GRADING ITEM OBSTRUCTION REMOVAL FOR MASS SOIL MIXING		48	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
	10,450	M2 GENERIC GRADING ITEM NONWOVEN FABRIC FOR SOIL SEPARATION		71	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
	100	MTN GENERIC GRADING ITEM EXCAVATION AND STOCKPILING CONTAMINATED SOIL		5	EA CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
	560	M GENERIC GRADING ITEM IMPERVIOUS DIKE FOR MASS SOIL MIXING		30	M *** X ***MM CONCRETE CURB (200MM X 400MM)
	5	EA GENERIC GRADING ITEM CONTAMINATED WATER STORAGE VESSEL DAILY RENTAL		1,400	M *** X ***MM CONCRETE CURB (200MM X 450MM)
	2,340	MTN FOUNDATION CONDITIONING MATERIAL, MINOR STRS		9,160	M 750MM CONCRETE CURB & GUTTER
	5,120	M2 FOUNDATION CONDITIONING FABRIC		580	M2 100MM CONCRETE SIDEWALK
	18	M *** X ***MM CAA STRUCTURAL PLATE PIPE ARCH, ***** THICK (1524MM X 1168MM , 2.77MM)		29	EA CONCRETE WHEELCHAIR RAMPS
	24	M GENERIC PIPE ITEM 375MM DI PIPE		600	M2 150MM CONCRETE DRIVEWAY
	9.6	M GENERIC PIPE ITEM 1500MM RC PIPE CULVERTS, CLASS III		1,200	M2 125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)
	14.4	M GENERIC PIPE ITEM 300MM SIDE DRAIN PIPE		434.34	M STEEL BM GUARDRAIL
	78.4	M GENERIC PIPE ITEM 375MM SIDE DRAIN PIPE		10	EA ADDITIONAL GUARDRAIL POSTS
	7.2	M GENERIC PIPE ITEM 450MM SIDE DRAIN PIPE		6	EA GUARDRAIL ANCHOR UNITS, TYPE CAT-1
	14.4	M GENERIC PIPE ITEM 600MM SIDE DRAIN PIPE		6	EA GUARDRAIL ANCHOR UNITS, TYPE 350
	3	EA GENERIC PIPE ITEM 375MM X 375MM X 375MM RC PIPE TEES, CLASS III		42	M REMOVE EXISTING GUARDRAIL
	2	EA GENERIC PIPE ITEM 450MM X 450MM X 375MM RC PIPE TEES, CLASS III		87.63	M TEMPORARY STEEL BM GUARDRAIL
	1	EA GENERIC PIPE ITEM 600MM X 600MM X 375MM RC PIPE TEES, CLASS III		6	EA GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
	1,500	M PIPE REMOVAL		230	M CHAIN LINK FENCE RESET
Lump Sum	LS	FINE GRADING		23	M GENERIC FENCING ITEM WOOD FENCE RESET
	625	MTN AGGREGATE BASE COURSE		185	MTN RIP RAP, CLASS I
	1,000	MTN INCIDENTAL STONE BASE		125	MTN RIP RAP, CLASS B
	2,250	MTN ASPHALT CONC BASE COURSE, TYPE B25.0B		5,250	M2 FILTER FABRIC FOR DRAINAGE
	26,500	MTN ASPHALT CONC BASE COURSE, TYPE B25.0C		1	EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
	440	MTN ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		610	M SUPPORTS, WOOD
	23,150	MTN ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		7	EA SIGN ERECTION, TYPE D
	1,720	MTN ASPHALT CONC SURFACE COURSE, TYPE S9.5B		52	EA SIGN ERECTION, TYPE E
				21	EA SIGN ERECTION, TYPE F
				75	EA DISPOSAL OF SIGN SYSTEM, WOOD
				57	M2 WORK ZONE SIGNS (STATIONARY)
				39	M2 WORK ZONE SIGNS (PORTABLE)
				13	M2 WORK ZONE SIGNS (BARRICADE MOUNTED)
				2	EA FLASHING ARROW PANELS, TYPE C
				60	DAY CHANGEABLE MESSAGE SIGN (SHORT TERM)
				482	EA DRUMS
				482	EA CONES
				30	M BARRICADES (TYPE III)
				540	MD FLAGGER
				5	EA TEMPORARY CRASH CUSHIONS
				4	EA RESET TEMPORARY CRASH CUSHIONS

			50	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	
			300	M	SAFETY FENCE	
			10,800	M3	SILT EXCAVATION	
			12,900	M2	MATTING FOR EROSION CONTROL	
			200	M2	COIR FIBER MAT	
			4,200	M	6.4MM HARDWARE CLOTH	
			160	M	***MM TEMPORARY PIPE (450MM)	
			50	M2	FLOATING TURBIDITY CURTAIN	
			275	M3	STILLING BASINS	
			15	EA	SPECIAL STILLING BASINS	
			100	M	WATTLE	
			50	KG	POLYACRYLAMIDE (PAM)	
			2,000	M	COIR FIBER BAFFLES	
			16	EA	***MM SKIMMER (38MM)	
			30	HA	SEEDING & MULCHING	
			30	HA	MOWING	
			1,550	KG	SEED FOR REPAIR SEEDING	
			5.25	MTN	FERTILIZER FOR REPAIR SEEDING	
			1,300	KG	SEED FOR SUPPLEMENTAL SEEDING	
			77	MTN	FERTILIZER TOPDRESSING	
			460	M	IMPERVIOUS DIKE	
			20	MHR	SPECIALIZED HAND MOWING	
			75	EA	RESPONSE FOR EROSION CONTROL	
			5	HA	REFORESTATION	
			8,000	M3	GENERIC EROSION CONTROL ITEM BORROW PIT DEWATERING BASIN	
			200	M	GENERIC EROSION CONTROL ITEM 1500MM TEMPORARY PIPE (AT MASS SOIL MIXING AREA)	
			3	M3	CONCRETE STEPS	
			2	EA	PEDESTRIAN SIGNAL HEAD (***MM, ** SECTION) (400MM, 1 SECTION W/COUNTDOWN)	
			2,268	M	SIGNAL CABLE	
			16	EA	VEHICLE SIGNAL HEAD (300MM, 1 SECTION)	
			30	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	
			9	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)	
			9	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)	
			516	M	MESSENGER CABLE (9.52MM)	
			628	M	UNPAVED TRENCHING (***** (1, 50MM)	
			32	M	UNPAVED TRENCHING (***** (2, 50MM)	
			138	M	DIRECTIONAL DRILL (***** (2, 50MM)	
			177	M	DIRECTIONAL DRILL (***** (3, 50MM)	
			16	EA	JUNCTION BOX (STANDARD SIZE)	
			10	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	
			14	EA	WOOD POLE	
			26	EA	GUY ASSEMBLY	
			3	EA	25MM RISER WITH WEATHERHEAD	
			11	EA	50MM RISER WITH WEATHERHEAD	
			1,459	M	INDUCTIVE LOOP SAWCUT	
			3,848	M	LEAD-IN CABLE (***** (14-2)	
			6	EA	METAL POLE WITH SINGLE MAST ARM	
			2	EA	METAL POLE WITH DUAL MAST ARM	
			8	EA	SOIL TEST	
			43	M3	DRILLED PIER FOUNDATION	
			8	EA	MAST ARM WITH METAL POLE DESIGN	
			6	EA	SIGN FOR SIGNALS	
			3	EA	SIGNAL CABINET FOUNDATION	
			3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	
			16	EA	DETECTOR CARD (TYPE 2070L)	
			3	EA	CABINET BASE EXTENDER	
			1	EA	BEACON CONTROLLER ASSEMBLY & CABINET (***** (F1)	
			10	EA	GENERIC SIGNAL ITEM OPTICAL PREEMPTION DETECTOR	
			3	EA	GENERIC SIGNAL ITEM OPTICAL PREEMPTION PHASE SELECTOR	
					***** BEGIN SCHEDULE AA *****	
					***** (2 ALTERNATES) *****	
			2,931.6	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III	
2	EA	TMIA				
772	M	PORTABLE CONCRETE BARRIER				
16	HR	LAW ENFORCEMENT				
272	EA	TEMPORARY RAISED PAVEMENT MARKERS				
2,135	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)				
15,813	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)				
500	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)				
80	M	THERMOPLASTIC PAVEMENT MARKING LINES (400MM, 3.1MM)				
362	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)				
23	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)				
219	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)				
305	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (100MM) (IV)				
15,112	M	PAINT PAVEMENT MARKING LINES (100MM)				
80	M	PAINT PAVEMENT MARKING LINES (200MM)				
100	M	PAINT PAVEMENT MARKING LINES (300MM)				
30	M	PAINT PAVEMENT MARKING LINES (400MM)				
246	M	PAINT PAVEMENT MARKING LINES (600MM)				
4	EA	PAINT PAVEMENT MARKING CHARACTER				
29	EA	PAINT PAVEMENT MARKING SYMBOL				
3,061	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)				
18	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)				
11	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS				
989	EA	PERMANENT RAISED PAVEMENT MARKERS				
95	M	50MM WATER LINE				
153	M	150MM WATER LINE				
228	M	200MM WATER LINE				
716	M	250MM WATER LINE				
1,036	M	300MM WATER LINE				
1	EA	50MM VALVE				
2	EA	150MM VALVE				
1	EA	200MM VALVE				
4	EA	250MM VALVE				
3	EA	300MM VALVE				
54	EA	RELOCATE WATER METER				
1	EA	RECONNECT WATER METER				
10	EA	RELOCATE FIRE HYDRANT				
19	M	***MM FORCE MAIN SEWER (40MM)				
286	M	***MM FORCE MAIN SEWER (75MM)				
30	M	50MM FORCE MAIN SEWER				
29	M	100MM FORCE MAIN SEWER				
112	M	ABANDON ***MM UTILITY PIPE (50MM)				
101	M	ABANDON 150MM UTILITY PIPE				
188	M	ABANDON 200MM UTILITY PIPE				
667	M	ABANDON 250MM UTILITY PIPE				
899	M	ABANDON 300MM UTILITY PIPE				
63	M	TRENCHLESS INSTALLATION OF 75MM IN SOIL				
62	M	TRENCHLESS INSTALLATION OF 75MM NOT IN SOIL				
64	M	TRENCHLESS INSTALLATION OF 250MM IN SOIL				
64	M	TRENCHLESS INSTALLATION OF 250MM NOT IN SOIL				
148	M	TRENCHLESS INSTALLATION OF 300MM IN SOIL				
147	M	TRENCHLESS INSTALLATION OF 300MM NOT IN SOIL				
15,000	M	TEMPORARY SILT FENCE				
4,070	MTN	STONE FOR EROSION CONTROL, CLASS A				
7,780	MTN	STONE FOR EROSION CONTROL, CLASS B				
6,080	MTN	SEDIMENT CONTROL STONE				
50	HA	TEMPORARY MULCHING				
825	KG	SEED FOR TEMPORARY SEEDING				
6.75	MTN	FERTILIZER FOR TEMPORARY SEEDING				
1,000	M	TEMPORARY SLOPE DRAINS				

1,353.6	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III
740.4	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III
224.4	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III
65.2	M	GENERIC PIPE ITEM 900MM RC PIPE CULVERTS, CLASS III
		*** OR ***
376.8	M	*****MM HDPE PIPE CULVERTS (375MM)
240	M	*****MM HDPE PIPE CULVERTS (450MM)
118.8	M	*****MM HDPE PIPE CULVERTS (600MM)
63.6	M	*****MM HDPE PIPE CULVERTS (750MM)
25.2	M	*****MM HDPE PIPE CULVERTS (900MM)
2,554.8	M	GENERIC PIPE ITEM 375MM RC PIPE CULVERTS, CLASS III
1,113.6	M	GENERIC PIPE ITEM 450MM RC PIPE CULVERTS, CLASS III
621.6	M	GENERIC PIPE ITEM 600MM RC PIPE CULVERTS, CLASS III
160.8	M	GENERIC PIPE ITEM 750MM RC PIPE CULVERTS, CLASS III
40	M	GENERIC PIPE ITEM 900MM RC PIPE CULVERTS, CLASS III

*** END SCHEDULE AA ***

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (55+81.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (73+49.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (89+00.500-L-)
Lump Sum	LS	GENERIC CULVERT ITEM ALUMINUM BOX CULVERT
1,508	MTN	GENERIC CULVERT ITEM CULVERT BACKFILL
306	MTN	GENERIC CULVERT ITEM FOUNDATION MATERIAL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L110621 003

CONTRACT ID : C202787 15B.13.12

DIV OFFICE CASTLE HAYNE

LENGTH = 0.000 MI

COUNTY : NEW HANOVER

MECHANICAL AND ELECTRICAL REPAIRS.

MBE GOAL 0.0% WBE 0.0% COMPLETION DATE : MAY 18 2012

BRIDGE #11 ON US-117 OVER THE NORTH CAPE FEAR RIVER AND BRIDGE # 13 ON US-17/74/76/421 OVER THE CAPE FEAR RIVER.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,006	SF	WORK ZONE SIGNS (PORTABLE)
84	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
5	EA	FLASHING ARROW PANELS, TYPE C
11	EA	CHANGEABLE MESSAGE SIGN
200	EA	DRUMS
176	LF	BARRICADES (TYPE III)
2	EA	TMIA
480	HR	LAW ENFORCEMENT
Lump Sum	LS	GENERIC STRUCTURE ITEM MEMORIAL LIFT BRG MAIN & AUX- ILLARY COUNTERWEIGHT ROPE RE- PLACEMENT
Lump Sum	LS	GENERIC STRUCTURE ITEM MEMORIAL LIFT BRIDGE LIVE LOAD BEARING REHABILITATION
Lump Sum	LS	GENERIC STRUCTURE ITEM MISCELLANEOUS BASCULE BRIDGE ELECTRICAL WORK
Lump Sum	LS	GENERIC STRUCTURE ITEM MISCELLANEOUS BASCULE BRIDGE MECHANICAL WORK
35,000	LB	GENERIC STRUCTURE ITEM ADDITIONAL BALANCE BARS (BASCULE SPAN)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110621 004

CONTRACT ID : C202788 45438.3.4

DIV OFFICE DURHAM

LENGTH = 0.000 MI

COUNTY : FRANKLIN, EDGEcombe, NASH

BRIDGE PRESERVATION.

DBE GOAL 0.0% COMPLETION DATE : NOV 30 2011

BRIDGES NO 11, 154 AND 169 OVER US-64 AND BRIDGE NO 104 ON US-64 OVER THE TAR RIVER.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
95	SF	WORK ZONE SIGNS (STATIONARY)
647	SF	WORK ZONE SIGNS (PORTABLE)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
5	EA	FLASHING ARROW PANELS, TYPE C
7	EA	CHANGEABLE MESSAGE SIGN
500	EA	DRUMS
176	LF	BARRICADES (TYPE III)
4	EA	TMIA
726	HR	LAW ENFORCEMENT
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #104
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #11
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #154
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #169
Lump Sum	LS	GENERIC STRUCTURE ITEM POLLUTION CONTROL
18,538	LB	GENERIC STRUCTURE ITEM DIAPHRAGM MODIFICATION BRIDGE #104
10,996	LB	GENERIC STRUCTURE ITEM GIRDER REPAIR BRIDGE #104
12	EA	GENERIC STRUCTURE ITEM SPAN JACKING BRIDGE #104

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110621 005

CONTRACT ID : C202596 34448.3.9

DIV OFFICE ALBEMARLE

LENGTH = 3.458 KM

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 12.0% COMPLETION DATE : JUN 15 2014

NC-49 FROM EAST OF SR-2630 (CLINE RD) TO EAST OF NC-73.

ROADWAY ITEMS			Lump Sum	LS	
			24,400	M2	FINE GRADING
					LIME TREATED SOIL (SLURRY METHOD)
			270	MTN	LIME FOR LIME TREATED SOIL
			1,000	MTN	STABILIZER AGGREGATE
			24,400	M2	SOIL CEMENT BASE
			740	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
			33,220	L	ASPHALT CURING SEAL
			9,300	MTN	INCIDENTAL STONE BASE
			200	M2	MILLING ASPHALT PAVEMENT, ***MM DEPTH (40MM)
			18,730	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
			14,430	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			870	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
			200	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR
			830	M3	SUBDRAIN EXCAVATION
			420	M3	SUBDRAIN FINE AGGREGATE
			1,000	M	150MM PERFORATED SUBDRAIN PIPE
			7	EA	SUBDRAIN PIPE OUTLETS
			14	M	150MM OUTLET PIPE (SUBDRAINS)
			10	MTN	BLOTTING SAND
			5	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
			8	M3	ENDWALLS
			16	M3	REINFORCED ENDWALLS
			6	M3	PIPE COLLARS
			3	M3	PIPE PLUGS
			145	M3	FLOWABLE FILL
			99	EA	MASONRY DRAINAGE STRUCTURES
			18	M3	MASONRY DRAINAGE STRUCTURES
			4.47	M	MASONRY DRAINAGE STRUCTURES
			2	EA	FRAME WITH GRATE, STD 840.24
			9	EA	FRAME WITH TWO GRATES, STD 840.16
			3	EA	FRAME WITH TWO GRATES, STD 840.20
			58	EA	FRAME WITH TWO GRATES, STD 840.22
			15	EA	FRAME WITH TWO GRATES, STD 840.24
			1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			5	EA	FRAME WITH COVER, STD 840.54
			7	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
			885	M	750MM CONCRETE CURB & GUTTER
			30	M	SHOULDER BERM GUTTER
			910	M2	100MM CONCRETE SIDEWALK
			12	EA	CONCRETE WHEELCHAIR RAMPS
			360	M2	150MM CONCRETE DRIVEWAY
			177.3	M2	100MM CONCRETE PAVED DITCH
			830	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			68.8	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
			21	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			2	EA	IMPACT ATTENUATOR UNIT, TYPE 350
			1,805.94	M	STEEL BM GUARDRAIL
			99.06	M	STEEL BM GUARDRAIL, SHOP CURVED
			2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10	EA	ADDITIONAL GUARDRAIL POSTS
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING .. HECTARE(S)			
0.8	HA	SUPPLEMENTARY CLEARING & GRUBBING			
15	EA	SEALING ABANDONED WELLS			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+27.310 -Y1-REV)			
3,000	M3	UNDERCUT EXCAVATION			
1,000	M3	SHALLOW UNDERCUT			
2,500	MTN	CLASS IV SUBGRADE STABILIZATION			
4,158	M3	DRAINAGE DITCH EXCAVATION			
770	M	BERM DITCH CONSTRUCTION			
29,400	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT			
3,700	M2	BREAKING OF EXISTING ASPHALT PAVEMENT			
30	HR	PROOF ROLLING			
3,000	M3	SELECT GRANULAR MATERIAL			
7,790	M2	FABRIC FOR SOIL STABILIZATION			
1,722	M2	TEMPORARY SHORING			
100	MTN	GENERIC GRADING ITEM EXCAVATING AND STOCKPILING CONTAMINATED SOIL			
1,700	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
5,110	M2	FOUNDATION CONDITIONING FABRIC			
345.6	M	*****MM SIDE DRAIN PIPE (750MM)			
20.4	M	*****MM SIDE DRAIN PIPE (900MM)			
1,177.2	M	375MM SIDE DRAIN PIPE			
554.4	M	450MM SIDE DRAIN PIPE			
616.8	M	600MM SIDE DRAIN PIPE			
16	EA	***MM SIDE DRAIN PIPE ELBOWS (375MM)			
13	EA	***MM SIDE DRAIN PIPE ELBOWS (450MM)			
7	EA	***MM SIDE DRAIN PIPE ELBOWS (600MM)			
502.8	M	375MM RC PIPE CULVERTS, CLASS III			
229.2	M	450MM RC PIPE CULVERTS, CLASS III			
436.8	M	600MM RC PIPE CULVERTS, CLASS III			
135.6	M	750MM RC PIPE CULVERTS, CLASS III			
39.6	M	1050MM RC PIPE CULVERTS, CLASS III			
33.6	M	1350MM RC PIPE CULVERTS, CLASS III			
55.2	M	1650MM RC PIPE CULVERTS, CLASS III			
294	M	1800MM RC PIPE CULVERTS, CLASS III			
358.8	M	375MM RC PIPE CULVERTS, CLASS IV			
36	M	600MM RC PIPE CULVERTS, CLASS IV			
42	M	***MM CS PIPE CULVERTS, ***** THICK (1400MM, 2.77MM)			
18	M	***MM CS PIPE CULVERTS, ***** THICK (1500MM, 3.51MM)			
28.8	M	400MM CS PIPE CULVERTS, 1.63MM THICK			
444	M	450MM CS PIPE CULVERTS, 1.63MM THICK			
2	EA	***MM CS PIPE ELBOWS, ***** THICK (400MM, 1.63MM)			
1,890	M	PIPE REMOVAL			
200	M2	150MM SLOPE PROTECTION			

			9,842	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
			2,126	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
			78	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)
			432	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
14	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
6	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
80	M	REMOVE & RESET EXISTING GUARDRAIL			
955	M	REMOVE EXISTING GUARDRAIL			
1,165.86	M	TEMPORARY STEEL BM GUARDRAIL			
198.12	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)			
			214	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (100MM) (I)
			140	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (200MM) (I)
3	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)	61,883	M	PAINT PAVEMENT MARKING LINES (100MM)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77)	1,894	M	PAINT PAVEMENT MARKING LINES (200MM)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (W-BEAM)	196	M	PAINT PAVEMENT MARKING LINES (600MM)
14	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	55	EA	PAINT PAVEMENT MARKING SYMBOL
252	M	WOVEN WIRE FENCE, 1200MM FABRIC	6,320	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
44	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	65	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)
30	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	635	EA	PERMANENT RAISED PAVEMENT MARKERS
2,500	M	CHAIN LINK FENCE, 1200MM FABRIC	3	EA	2.1M U-CHANNEL POSTS
690	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE	67	EA	FLEXIBLE DELINEATORS (CRYSTAL)
40	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE	34	EA	FLEXIBLE DELINEATORS (YELLOW)
50	M	ADDITIONAL BARBED WIRE	6	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
130	M	WOVEN WIRE FENCE RESET	5	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
200	M	RELAPPING GUARDRAIL	3	EA	OBJECT MARKERS (END OF ROAD)
580	MTN	RIP RAP, CLASS I	203	M	150MM WATER LINE
1,010	MTN	RIP RAP, CLASS II	861	M	200MM WATER LINE
1,300	MTN	RIP RAP, CLASS B	54	M	300MM WATER LINE
25	MTN	BOULDERS	1	EA	150MM VALVE
14,830	M2	FILTER FABRIC FOR DRAINAGE	3	EA	200MM VALVE
5	M3	REINFORCED CONCRETE SIGN FOUNDATIONS	5	EA	***MM WATER METER (25MM)
1	M3	PLAIN CONCRETE SIGN FOUNDATIONS	12	EA	RELOCATE WATER METER
1,868	KG	SUPPORTS, BREAKAWAY STEEL BEAM	3	EA	FIRE HYDRANT
595	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL	5	EA	RELOCATE FIRE HYDRANT
8	EA	SIGN ERECTION, TYPE D	6	M	100MM FORCE MAIN SEWER
85	EA	SIGN ERECTION, TYPE E	688	M	ABANDON 200MM UTILITY PIPE
12	EA	SIGN ERECTION, TYPE F	9,665	M	TEMPORARY SILT FENCE
6	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	6,465	MTN	STONE FOR EROSION CONTROL, CLASS A
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)	2,775	MTN	STONE FOR EROSION CONTROL, CLASS B
2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)	3,145	MTN	SEDIMENT CONTROL STONE
92	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	37	HA	TEMPORARY MULCHING
1	EA	DISPOSAL OF SIGN SYSTEM, WOOD	1,550	KG	SEED FOR TEMPORARY SEEDING
4	EA	DISPOSAL OF SUPPORT, U-CHANNEL	11.25	MTN	FERTILIZER FOR TEMPORARY SEEDING
126	M2	WORK ZONE SIGNS (STATIONARY)	1,400	M	TEMPORARY SLOPE DRAINS
27	M2	WORK ZONE SIGNS (PORTABLE)	23	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
44	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	1,400	M	SAFETY FENCE
2	EA	FLASHING ARROW PANELS, TYPE C	15,400	M3	SILT EXCAVATION
4	EA	CHANGEABLE MESSAGE SIGN	61,500	M2	MATTING FOR EROSION CONTROL
410	EA	DRUMS	560	M2	COIR FIBER MAT
70	EA	CONES	6,400	M2	PERMANENT SOIL REINFORCEMENT MAT
420	M	BARRICADES (TYPE III)	1,800	M	6.4MM HARDWARE CLOTH
2,735	HR	FLAGGER	780	M3	STILLING BASINS
4	EA	TEMPORARY CRASH CUSHIONS	8	EA	SPECIAL STILLING BASINS
1	EA	RESET TEMPORARY CRASH CUSHIONS	2,250	M	COIR FIBER WATTLE
1	EA	TMIA	2,250	KG	POLYACRYLAMIDE (PAM)
570	M	PORTABLE CONCRETE BARRIER	2,500	M	COIR FIBER BAFFLES
115	M	RESET PORTABLE CONCRETE BARRIER	16	EA	***MM SKIMMER (38MM)
32	HR	LAW ENFORCEMENT	3	EA	***MM SKIMMER (51MM)
50	EA	SKINNY DRUM	59	HA	SEEDING & MULCHING
894	EA	TEMPORARY RAISED PAVEMENT MARKERS	37	HA	MOWING
19,116	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	1,150	KG	SEED FOR REPAIR SEEDING
			4	MTN	FERTILIZER FOR REPAIR SEEDING
			950	KG	SEED FOR SUPPLEMENTAL SEEDING
			56.5	MTN	FERTILIZER TOPDRESSING
			780	M	IMPERVIOUS DIKE
			35	MHR	SPECIALIZED HAND MOWING
			75	EA	RESPONSE FOR EROSION CONTROL
			712	M3	CULVERT DIVERSION CHANNEL
			4	HA	REFORESTATION
			450	M	SIGNAL CABLE

11	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
1	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)
1	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
180	M	MESSENGER CABLE (9.52MM)
225	M	UNPAVED TRENCHING (*****) (1, 50MM)
6	EA	JUNCTION BOX (STANDARD SIZE)
4	EA	WOOD POLE
8	EA	GUY ASSEMBLY
1	EA	25MM RISER WITH WEATHERHEAD
4	EA	50MM RISER WITH WEATHERHEAD
870	M	INDUCTIVE LOOP SAWCUT
1,350	M	LEAD-IN CABLE (*****) (14-2)
3	EA	SIGN FOR SIGNALS
1	EA	SIGNAL CABINET FOUNDATION
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
10	EA	DETECTOR CARD (TYPE 2070L)
1	EA	CABINET BASE EXTENDER

Lump Sum	LS	GENERIC CULVERT ITEM (PRECAST REINF CONC THREE-SIDE D CULVERT @ STA.212+28.000-L-REV)
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STRUCTURE ITEMS

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

247,000	M3	UNCLASSIFIED EXCAVATION
2,500	M3	BORROW EXCAVATION
53,100	MTN	AGGREGATE BASE COURSE
6,320	L	PRIME COAT
890	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
3,490	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
8,230	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
7,820	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,925	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (221+70.114-L-REV)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,221+70.114-L-REV) (221+70.114 -L-REV)
1,920.9	M2	REINFORCED CONCRETE DECK SLAB
2,021	M2	GROOVING BRIDGE FLOORS
262.3	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (221+70.114-L-REV)
22,533	KG	REINFORCING STEEL (BRIDGE)
1,218	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
292,900	LS	APPROX KG STRUCTURAL STEEL
370	M	HP310X79 STEEL PILES
141.65	M	CONCRETE BARRIER RAIL
1,055	M2	100MM SLOPE PROTECTION
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

*** OR ***

240,000	M3	UNCLASSIFIED EXCAVATION
13,000	M3	BORROW EXCAVATION
3,410	MTN	AGGREGATE BASE COURSE
10,750	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
16,750	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
7,980	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
7,870	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,915	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22

*** END SCHEDULE AA ***

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (12+68.320-Y1-REV)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (200+54.650-L-REV)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (212+28.000-L-REV)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (219+37.800-L-REV)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (12+11.600-Y16-REV)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (12+68.320-Y1-REV)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (200+54.650-L-REV)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (218+46.294-L-REV)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (219+37.800-L-REV)
1,260	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
2,214.7	M3	CLASS A CONCRETE (CULVERT)
204,820	KG	REINFORCING STEEL (CULVERT)
40	MTN	RIP RAP, CLASS ** (II)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L110621 006

CONTRACT ID : C202789

10CR.10841.34

DIV OFFICE ALBEMARLE

LENGTH = 12.920 MI

COUNTY : STANLY

MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : JUN 01 2012

NC-138 FROM SR-1984 TO SR-1935 AND 2 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
517	CY	BORROW EXCAVATION
2,072	TON	INCIDENTAL STONE BASE
25.84	SMI	SHOULDER RECONSTRUCTION
660	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
350	SY	INCIDENTAL MILLING
9,411	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
640	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
7,916	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
833	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
607	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
529	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
3,245	TON	PATCHING EXISTING PAVEMENT
59,718	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
36,630	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
55	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
371,318	LF	PAINT PAVEMENT MARKING LINES (4")
46	LF	PAINT PAVEMENT MARKING LINES (8")
9	EA	PAINT PAVEMENT MARKING CHARAC- TER
852	EA	PERMANENT RAISED PAVEMENT MARKERS
700	LF	TEMPORARY SILT FENCE
2,816	SY	MATTING FOR EROSION CONTROL
1,760	LF	WATTLE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L110621 007

CONTRACT ID : C202769 45420.3.1

DIV OFFICE SHELBY

LENGTH = 0.509 MI

COUNTY : GASTON

GRADING, DRAINAGE, PAVING, AND SIGNALS.

MBE GOAL 5.0% WBE 5.0% COMPLETION DATE : JUL 01 2012

SR-2014 (LAKEWOOD DR) FROM EXISTING BRIDGE #7 OVER BACKWATER OF SOUTH CATAWBA RIVER TO US-29/74.

ROADWAY ITEMS				
			217 TON	RIP RAP, CLASS B
			1,055 SY	FILTER FABRIC FOR DRAINAGE
			10 LF	GENERIC WALL ITEM REMOVE & RESET BRICK WALL
Lump Sum	LS	MOBILIZATION		
Lump Sum	LS	CONSTRUCTION SURVEYING	350 SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
Lump Sum	LS	GRADING		
2	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	600 LF	SUPPORTS, 3-LB STEEL U-CHANNEL
250	CY	UNDERCUT EXCAVATION	46 EA	SIGN ERECTION, TYPE E
140	CY	DRAINAGE DITCH EXCAVATION	Lump Sum	LS
703	LF	BERM DITCH CONSTRUCTION		GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL
200	SY	FABRIC FOR SOIL STABILIZATION	4,778 LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
352	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	9,444 LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
443	SY	FOUNDATION CONDITIONING FABRIC	476 LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
2,221	LF	15" DRAINAGE PIPE	756 LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
528	LF	18" DRAINAGE PIPE	18 EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
543	LF	24" DRAINAGE PIPE	43 EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
25	LF	24" CS PIPE CULVERTS, 0.064" THICK	4,900 LF	PAINT PAVEMENT MARKING LINES (4")
196	LF	PIPE REMOVAL	12 LF	PAINT PAVEMENT MARKING LINES (24")
102	TON	AGGREGATE BASE COURSE	225 EA	PERMANENT RAISED PAVEMENT MARKERS
450	TON	INCIDENTAL STONE BASE	1 EA	RELOCATE WATER METER
1,500	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	71 LF	8" SANITARY GRAVITY SEWER
3,710	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	2 EA	5' DIA UTILITY MANHOLE
4,880	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	7.4 LF	UTILITY MANHOLE WALL, *** DIA (5")
2,160	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	180 LF	GENERIC UTILITY ITEM 4" PVC CONDUIT, SCHD 80
520	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	7,115 LF	TEMPORARY SILT FENCE
787	SY	GENERIC PAVING ITEM 4" STAMPED CONCRETE FOR ROUNDABOUT	50 TON	STONE FOR EROSION CONTROL, CLASS A
413	SY	GENERIC PAVING ITEM 8" CONCRETE TRUCK APRON	189 TON	STONE FOR EROSION CONTROL, CLASS B
36	EA	RIGHT OF WAY MARKERS	100 TON	SEDIMENT CONTROL STONE
16.6	CY	SUBDRAIN EXCAVATION	425 LB	SEED FOR TEMPORARY SEEDING
12.4	CY	SUBDRAIN FINE AGGREGATE	2 TON	FERTILIZER FOR TEMPORARY SEEDING
74	LF	4" PERFORATED SUBDRAIN PIPE	20 LF	TEMPORARY SLOPE DRAINS
1	EA	SUBDRAIN PIPE OUTLETS	750 LF	SAFETY FENCE
6	LF	4" OUTLET PIPE (SUBDRAINS)	4,500 CY	SILT EXCAVATION
39	EA	MASONRY DRAINAGE STRUCTURES	2,636 SY	MATTING FOR EROSION CONTROL
28.99	LF	MASONRY DRAINAGE STRUCTURES	50 SY	COIR FIBER MAT
3	EA	FRAME WITH TWO GRATES, STD 840.16	420 LF	1/4" HARDWARE CLOTH
17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	250 LF	COIR FIBER BAFFLES
14	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	1 EA	*** SKIMMER (3")
5	EA	FRAME WITH COVER, STD 840.54	1 EA	*** SKIMMER (4")
2	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS	9 ACR	SEEDING & MULCHING
400	LF	1'-6" CONCRETE CURB & GUTTER	3 ACR	MOWING
5,600	LF	2'-6" CONCRETE CURB & GUTTER	50 MHR	SPECIALIZED HAND MOWING
2,430	SY	4" CONCRETE SIDEWALK	50 EA	RESPONSE FOR EROSION CONTROL
20	EA	CONCRETE WHEELCHAIR RAMPS	5 EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
220	SY	6" CONCRETE DRIVEWAY	1,950 LF	SIGNAL CABLE
26	SY	4" CONCRETE PAVED DITCH	11 EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
1,490	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	2 EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	350 LF	MESSENGER CABLE (3/8")
270	LF	STEEL BM GUARDRAIL	1,130 LF	UNPAVED TRENCHING (***** (1, 2")
5	EA	ADDITIONAL GUARDRAIL POSTS	10 EA	JUNCTION BOX (STANDARD SIZE)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BRIDGE ANCHOR)	2 EA	WOOD POLE
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	4 EA	GUY ASSEMBLY
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	1 EA	1" RISER WITH WEATHERHEAD
247	LF	REMOVE EXISTING GUARDRAIL	2 EA	2" RISER WITH WEATHERHEAD
4	TON	RIP RAP, CLASS A	2,595 LF	INDUCTIVE LOOP SAWCUT
			14,630 LF	LEAD-IN CABLE (***** (14-2)

- 1 EA SIGNAL CABINET FOUNDATION
- 1 EA CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
- 17 EA DETECTOR CARD (TYPE 2070L)
- 1 EA CABINET BASE EXTENDER

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L110621 008

CONTRACT ID : C202622 34831.3.4

DIV OFFICE ASHEVILLE

LENGTH = 0.641 MI

COUNTY : BURKE

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, ITS & STRS.

DBE GOAL 11.0% COMPLETION DATE : OCT 01 2014

NC-18 (STERLING ST) AND I-40 INTERCHANGE IN MORGANTON.

ROADWAY ITEMS					
			52	LF	*** WELDED STEEL PIPE, ***** THICK, GRADE ** NOT IN SOIL (48", 0.5", B)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
	1	ACR			345
		SUPPLEMENTARY CLEARING & GRUB- BING			
	77,200	CY			
Lump Sum	LS	UNCLASSIFIED EXCAVATION	3,282	LF	PIPE REMOVAL
		REINFORCED BRIDGE APPROACH	Lump Sum	LS	FINE GRADING
		FILL, STATION ***** (48+87.35-Y1)	45	TON	#57 STONE
	250	CY	2,000	TON	STABILIZER AGGREGATE
	825	CY	500	TON	INCIDENTAL STONE BASE
	1,550	TON	22,950	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/4")
	47,000	CY	550	SY	INCIDENTAL MILLING
	7,950	CY	7,060	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
	1,390	LF	20,400	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
	20,400	SY	4,820	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
	6,870	SY	8,620	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
	500	CY	5,330	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D
	3,800	SY	5,560	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
	8,970	SF	5,810	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
	20	TON	4,180	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D
		GENERIC GRADING ITEM EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL	2,259	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
	1,170	TON	600	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
	3,670	SY	71	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-28
	123	CY	230	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
		FOUNDATION CONDITIONING FABRIC	590	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
		GENERIC DRAINAGE ITEM GROUT FOR WELDED STEEL PIPE LINER	1,350	TON	ULTRATHIN HOT MIX ASPHALT, TYPE B
	1,200	LF	38,290	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT
	164	LF	13,400	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
	816	LF	46	EA	RIGHT OF WAY MARKERS
	748	LF	44.8	CY	SUBDRAIN EXCAVATION
		15" RC PIPE CULVERTS, CLASS III	33.6	CY	SUBDRAIN FINE AGGREGATE
		18" RC PIPE CULVERTS, CLASS III	200	LF	6" PERFORATED SUBDRAIN PIPE
		24" RC PIPE CULVERTS, CLASS III	1	EA	SUBDRAIN PIPE OUTLETS
		30" RC PIPE CULVERTS, CLASS III	6	LF	6" OUTLET PIPE (SUBDRAINS)
		36" RC PIPE CULVERTS, CLASS III	4	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
		48" RC PIPE CULVERTS, CLASS III	35.6	CY	REINFORCED ENDWALLS
		54" RC PIPE CULVERTS, CLASS III	3.84	CY	PIPE COLLARS
	2,436	LF	0.435	CY	PIPE PLUGS
	612	LF	17	CY	FLOWABLE FILL
	2,512	LF	128	EA	MASONRY DRAINAGE STRUCTURES
	116	LF	40	CY	MASONRY DRAINAGE STRUCTURES
	20	LF	36.96	LF	MASONRY DRAINAGE STRUCTURES
		*** CS PIPE CULVERTS, ***** THICK (78", 0.168")	1	EA	FRAME WITH GRATE, STD 840.22
		*** CS PIPE CULVERTS, ***** THICK (84", 0.168")	1	EA	FRAME WITH GRATE, STD 840.24
	1,424	LF	9	EA	FRAME WITH TWO GRATES, STD 840.16
	232	LF	15	EA	FRAME WITH TWO GRATES, STD 840.20
	216	LF	15	EA	FRAME WITH TWO GRATES, STD 840.22
	18	EA	7	EA	FRAME WITH TWO GRATES, STD 840.24
	6	EA	14	EA	FRAME WITH TWO GRATES, STD 840.29
	6	EA	7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
	56	LF			
		*** WELDED STEEL PIPE, ***** THICK, GRADE ** IN SOIL (48", 0.5", B)			

			365	LF	CHAIN LINK FENCE, 48" FABRIC
			2	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (72")
19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	31	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	2	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (72")
9	EA	FRAME WITH COVER, STD 840.54	2	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
18	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	500	LF	ADDITIONAL BARBED WIRE
30	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET	1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 8', 16')
3	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS	500	TON	RIP RAP, CLASS I
590	LF	***X *** CONCRETE CURB (8" X 12")	92.5	TON	RIP RAP, CLASS A
1,610	LF	1'-6" CONCRETE CURB & GUTTER	1,720	TON	RIP RAP, CLASS B
5,350	LF	2'-6" CONCRETE CURB & GUTTER	140	TON	BOULDERS
2,450	LF	SHOULDER BERM GUTTER	4,985	SY	FILTER FABRIC FOR DRAINAGE
2,190	LF	CONCRETE EXPRESSWAY GUTTER	16	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
2,540	SY	4" CONCRETE SIDEWALK	1	CY	PLAIN CONCRETE SIGN FOUNDATIONS
1	EA	RETROFIT EXISTING WHEELCHAIR RAMPS	5,613	LB	SUPPORTS, BREAKAWAY STEEL BEAM
14	EA	CONCRETE WHEELCHAIR RAMPS	7,841	LB	SUPPORTS, SIMPLE STEEL BEAM
710	SY	6" CONCRETE DRIVEWAY	2,081	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
80	SY	4" CONCRETE PAVED DITCH	2	EA	SUPPORTS, 2-LB STEEL U-CHANNEL
100	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	157	LF	SUPPORTS, WOOD
1,030	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	13	EA	SIGN ERECTION, TYPE D
101	LF	CONCRETE BARRIER, TYPE ***** (IV)	62	EA	SIGN ERECTION, TYPE E
340	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	18	EA	SIGN ERECTION, TYPE F
70	SF	GENERIC PAVING ITEM BLACK DETECTABLE WARNING SURFACE	10	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
1	EA	ADJUSTMENT OF DROP INLETS	4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
2	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN	2	EA	SIGN ERECTION, MILEMARKERS
3	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX WITH MANHOLE COVER	10	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)
1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING DROP INLET TO TRAFFIC BEARING JUNCTION BOX	3	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
17,550	LF	STEEL BM GUARDRAIL	2	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
225	LF	STEEL BM GUARDRAIL, SHOP CURVED	15	EA	DISPOSAL OF SUPPORT, STEEL BEAM
3	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	2	EA	DISPOSAL OF SUPPORT, WOOD
10	EA	ADDITIONAL GUARDRAIL POSTS	5	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (NJ-25)	68	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
5	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	4	EA	DISPOSAL OF SIGN SYSTEM, WOOD
6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	5	EA	DISPOSAL OF SUPPORT, U-CHANNEL
12	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	3,710	SF	WORK ZONE SIGNS (STATIONARY)
8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	1,020	SF	WORK ZONE SIGNS (PORTABLE)
10,731	LF	REMOVE EXISTING GUARDRAIL	156	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2,200	LF	TEMPORARY STEEL BM GUARDRAIL	4	EA	FLASHING ARROW PANELS, TYPE C
87.5	LF	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)	8	EA	CHANGEABLE MESSAGE SIGN
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)	103	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)
5	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77)	250	EA	DRUMS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (CAT-1)	30	EA	CONES
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (III)	184	LF	BARRICADES (TYPE III)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (W-BEAM)	8	EA	TEMPORARY CRASH CUSHIONS
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	9	EA	RESET TEMPORARY CRASH CUSHIONS
5,310	LF	WOVEN WIRE FENCE, 47" FABRIC	6	EA	TMIA
330	EA	4" TIMBER FENCE POSTS, 7'-6" LONG	6,500	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)
100	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	15,000	LF	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)
20	LF	CHAIN LINK FENCE, *** FABRIC (72")	150	LF	WATER FILLED BARRIER
			328	HR	LAW ENFORCEMENT
			134	EA	SKINNY DRUM
			4,925	LF	TEMPORARY GLARE SCREEN
			Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM FLAGGER
			1,265	EA	TEMPORARY RAISED PAVEMENT MARKERS
			4,625	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
			6,283	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
			20,813	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
			4,053	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
			1,449	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)

			1	EA	FIRE HYDRANT		
			2	EA	RELOCATE FIRE HYDRANT		
			1	EA	8" LINE STOP		
1,178	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	55	LF	6" SANITARY GRAVITY SEWER		
2,357	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	1,301	LF	8" SANITARY GRAVITY SEWER		
427	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	8	EA	4' DIA UTILITY MANHOLE		
95	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	9	LF	UTILITY MANHOLE WALL, 4' DIA		
1,907	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (III)	1,175	LF	ABANDON 8" UTILITY PIPE		
2,700	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)	831	LF	ABANDON 12" UTILITY PIPE		
37,851	LF	PAINT PAVEMENT MARKING LINES (4")	4	EA	ABANDON UTILITY MANHOLE		
134,318	LF	PAINT PAVEMENT MARKING LINES (6")	1	EA	GENERIC UTILITY ITEM 4' DIA UTILITY FALSE BOTTOM MANHOLE WITH OUTSIDE DROP (0-6' DEPTH)		
2,585	LF	PAINT PAVEMENT MARKING LINES (8")	2	EA	GENERIC UTILITY ITEM CATV BOX		
9,550	LF	PAINT PAVEMENT MARKING LINES (12")	2	EA	GENERIC UTILITY ITEM ELECTRIC J-BOX		
580	LF	PAINT PAVEMENT MARKING LINES (24")	1,028	LF	GENERIC UTILITY ITEM DUCT BANK, TYPE A1		
8	EA	PAINT PAVEMENT MARKING CHARACTER	17	LF	GENERIC UTILITY ITEM DUCT BANK, TYPE A2		
128	EA	PAINT PAVEMENT MARKING SYMBOL	323	LF	GENERIC UTILITY ITEM DUCT BANK, TYPE A3		
13,592	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	330	LF	GENERIC UTILITY ITEM DUCT BANK, TYPE A4		
22,372	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	32	LF	GENERIC UTILITY ITEM STEEL H-PILE PIERS		
1,400	LF	REMOVAL OF PAVEMENT MARKING LINES (8")	15,300	LF	TEMPORARY SILT FENCE		
104	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	1,230	TON	STONE FOR EROSION CONTROL, CLASS A		
34	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	4,420	TON	STONE FOR EROSION CONTROL, CLASS B		
16	EA	PERMANENT RAISED PAVEMENT MARKERS	3,820	TON	SEDIMENT CONTROL STONE		
581	EA	SNOWPLOWABLE PAVEMENT MARKERS	42	ACR	TEMPORARY MULCHING		
1	EA	PORTABLE DRIVE UNIT	1,200	LB	SEED FOR TEMPORARY SEEDING		
21	CY	HIGH MOUNT FOUNDATIONS	5.5	TON	FERTILIZER FOR TEMPORARY SEEDING		
16	EA	HIGH MOUNT LUMINAIRES ***** (400W HPS)	3,350	LF	TEMPORARY SLOPE DRAINS		
12	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)	58	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS		
1	EA	ELECTRIC SERVICE POLE ***** (30" CLASS 4)	500	LF	SAFETY FENCE		
150	LF	ELECTRIC SERVICE LATERAL ***** (3,3 1/0 USE)	8,200	CY	SILT EXCAVATION		
710	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	25,000	SY	MATTING FOR EROSION CONTROL		
65	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")	80	SY	COIR FIBER MAT		
560	LF	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")	350	SY	PERMANENT SOIL REINFORCEMENT MAT		
140	LF	** #8 W/G FEEDER CIRCUIT (2)	9,800	LF	1/4" HARDWARE CLOTH		
1,280	LF	** #4 W/G FEEDER CIRCUIT (2)	60	CY	STILLING BASINS		
1,110	LF	** #8 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1-1/2")	15	EA	SPECIAL STILLING BASINS		
2,420	LF	** #4 W/G FEEDER CIRCUIT IN *****" CONDUIT (2, 1-1/2")	680	LF	WATTLE		
8	EA	UNDERPASS LUMINAIRES ***** (WM 150W)	670	LB	POLYACRYLAMIDE (PAM)		
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (I-40/NC18, UPL1 & UPL2)	2,900	LF	COIR FIBER BAFFLES		
Lump Sum	LS	PORTABLE LIGHTING	5	EA	**" SKIMMER (1-1/2")		
2	EA	GENERIC LIGHTING ITEM 100' HIGH MOUNT STANDARD	2	EA	**" SKIMMER (2")		
2	EA	GENERIC LIGHTING ITEM 80' HIGH MOUNT STANDARD	36	ACR	SEEDING & MULCHING		
13	EA	GENERIC LIGHTING ITEM ELECTRICAL JUNCTION BOXES PC18	30	ACR	MOWING		
3	EA	GENERIC LIGHTING ITEM ELECTRICAL JUNCTION BOXES PC36	450	LB	SEED FOR REPAIR SEEDING		
1	EA	GENERIC LIGHTING ITEM LIGHT CONTROL EQUIPMENT, TYPE RW 480V, 150A	1.25	TON	FERTILIZER FOR REPAIR SEEDING		
67	LF	2" WATER LINE	850	LB	SEED FOR SUPPLEMENTAL SEEDING		
71	LF	8" WATER LINE	25.25	TON	FERTILIZER TOPDRESSING		
848	LF	12" WATER LINE	1,000	LF	IMPERVIOUS DIKE		
1	EA	8" VALVE	80	MHR	SPECIALIZED HAND MOWING		
1	EA	2" WATER METER	75	EA	RESPONSE FOR EROSION CONTROL		
10	EA	RELOCATE WATER METER	1,100	CY	CULVERT DIVERSION CHANNEL		
			0.95	ACR	STREAMBANK REFORESTATION		
			Lump Sum	LS	GENERIC EROSION CONTROL ITEM DIVERSION PUMPING		
			24	EA	PEDESTRIAN SIGNAL HEAD (**", ** SECTION) (16", 1 SECTION W/ COUNTDOWN)		
			8,980	LF	SIGNAL CABLE		
			34	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)		
			6	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)		
			2	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)		
			2	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD		
			1,610	LF	MESSENGER CABLE (3/8")		
			230	LF	PAVED TRENCHING (***** (1, 2")		
			7,040	LF	UNPAVED TRENCHING (***** (1, 2")		
			200	LF	UNPAVED TRENCHING (***** (2, 1.25")		
			150	LF	DIRECTIONAL DRILL (***** (2, 1.25")		
			930	LF	DIRECTIONAL DRILL (***** (2, 2")		

39	EA	JUNCTION BOX (STANDARD SIZE)	16	CY	GENERIC SIGNAL ITEM
9	EA	WOOD POLE			FOOTINGS FOR DMS STRUCTURE
8	EA	GUY ASSEMBLY			
1	EA	1" RISER WITH WEATHERHEAD			
2	EA	2" RISER WITH WEATHERHEAD			
6	EA	2" RISER WITH HEAT SHRINK TUBING			
4,345	LF	INDUCTIVE LOOP SAWCUT			
27,715	LF	LEAD-IN CABLE (*****) (14-2)	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (19+31.37-L-)
5	EA	MICROWAVE VEHICLE DETECTOR	546	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
9	EA	900MHZ WIRELESS RADIO SYSTEM	940.4	CY	CLASS A CONCRETE (CULVERT)
2	EA	METAL POLE WITH SINGLE MAST ARM	154,562	LB	REINFORCING STEEL (CULVERT)
4	EA	METAL POLE WITH DUAL MAST ARM			
6	EA	SOIL TEST			
48	CY	DRILLED PIER FOUNDATION			
11	EA	SIGNAL PEDESTAL WITH FOUNDATION			
6	EA	MAST ARM WITH METAL POLE DESIGN	2,640	SF	MSE RETAINING WALLS
7	EA	SIGN FOR SIGNALS	860	SF	SOIL NAIL RETAINING WALLS
2	EA	SIGNAL CABINET FOUNDATION	2	EA	SOIL NAIL VERIFICATION TESTS
4	EA	CABINET BASE ADAPTER	5	EA	SOIL NAIL PROOF TESTS
7	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	9,300	SF	ANCHORED RETAINING WALLS
49	EA	DETECTOR CARD (TYPE 2070L)	10,160	SF	GENERIC RETAINING WALL ITEM
3	EA	CABINET BASE EXTENDER			ARCHITECTURAL CONCRETE SURFACE TREATMENT
26	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODES			
6	EA	GENERIC SIGNAL ITEM 60' WOOD POLE			
4	EA	GENERIC SIGNAL ITEM BROADBAND RADIO ASSEMBLY	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (23+83.10-L-)
6	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY			
1	EA	GENERIC SIGNAL ITEM CENTRAL ETHERNET SWITCH	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (23+83.10-L-)
6	EA	GENERIC SIGNAL ITEM DIGITAL VIDEO ENCODER	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (48+87.35-Y1-)
2	EA	GENERIC SIGNAL ITEM DMS	220	LF	PILE EXCAVATION IN SOIL
2	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER	210	LF	PILE EXCAVATION NOT IN SOIL
2	EA	GENERIC SIGNAL ITEM DMS STRUCTURE (PEDESTAL)	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (48+87.35-Y1-)
1	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT	36,026	SF	REINFORCED CONCRETE DECK SLAB
1	EA	GENERIC SIGNAL ITEM EQUIPMENT RACK	41,474	SF	GROOVING BRIDGE FLOORS
7	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET	419.7	CY	CLASS A CONCRETE (BRIDGE)
6	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (23+83.10-L-)
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS LIGHTNING ARRESTOR	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (48+87.35-Y1-)
1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEM	68,915	LB	REINFORCING STEEL (BRIDGE)
2	EA	GENERIC SIGNAL ITEM MVD ASSEMBLY	1,522,900	LS	APPROX LBS STRUCTURAL STEEL
4	EA	GENERIC SIGNAL ITEM PROTECTIVE GREEN COATING FOR DOUBLE MAST ARM WITH METAL POLE	3,870	LF	HP14X73 STEEL PILES
2	EA	GENERIC SIGNAL ITEM PROTECTIVE GREEN COATING FOR SINGLE MAST ARM WITH METAL POLE	712.74	LF	CONCRETE BARRIER RAIL
2	EA	GENERIC SIGNAL ITEM PROTECTIVE GREEN COATING FOR SINGLE MAST ARM WITH METAL POLE	418.02	LF	CONCRETE MEDIAN BARRIER
2	EA	GENERIC SIGNAL ITEM PROTECTIVE GREEN COATING FOR SINGLE MAST ARM WITH METAL POLE	103	SY	4" SLOPE PROTECTION
2	EA	GENERIC SIGNAL ITEM PROTECTIVE GREEN COATING FOR SINGLE MAST ARM WITH METAL POLE	1,050	TON	RIP RAP, CLASS ** (I)
2	EA	GENERIC SIGNAL ITEM VIDEO MONITOR	855	TON	RIP RAP, CLASS B
1	EA	GENERIC SIGNAL ITEM VIDEO PROCESSING UNIT	690	TON	RIP RAP CLASS II (2'-0" THICK)
1	EA	GENERIC SIGNAL ITEM VIDEO SERVER UNIT INTEGRATION	2,649	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING	Lump Sum	LS	ELASTOMERIC BEARINGS
200	LF	GENERIC SIGNAL ITEM #4 SOLID BARE COPPER GROUNDING CONDUCTOR	Lump Sum	LS	EXPANSION JOINT SEALS
245	LF	GENERIC SIGNAL ITEM 3-WIRE #12 AWG COPPER FEEDER CONDUCTORS	Lump Sum	LS	GENERIC STRUCTURE ITEM STEEL REINF BR APPR FILL, STA45+88.34-Y1-, 23+83.10-L-
160	LF	GENERIC SIGNAL ITEM 4-WIRE #6 AWG COPPER FEEDER CONDUCTORS	Lump Sum	LS	GENERIC STRUCTURE ITEM ARCHITECTURAL CONCRETE SURFACE TREATMENT (CONCRETE BARRIER RAIL)
35	LF	GENERIC SIGNAL ITEM 4-WIRE #8 AWG COPPER FEEDER CONDUCTORS	666.5	SF	

CULVERT ITEMS

WALL ITEMS

STRUCTURE ITEMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID**L110621 009****CONTRACT ID : C202790 41880.3.1****DIV OFFICE ASHEVILLE****LENGTH = 0.729 MI****COUNTY : MCDOWELL****MEDIAN BARRIER, MEDIAN GATES, PAVING, AND PAVEMENT MARKINGS.****DBE GOAL 5.0% COMPLETION DATE : SEP 01 2012****I-40 FROM THE BUNCOMBE COUNTY LINE TO US-70.****ROADWAY ITEMS**

Lump Sum	LS	MOBILIZATION
320	CY	UNCLASSIFIED EXCAVATION
220	CY	SHALLOW UNDERCUT
420	TON	CLASS IV SUBGRADE STABILIZATION
653	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
330	SY	FABRIC FOR SOIL STABILIZATION
Lump Sum	LS	FINE GRADING
323	TON	AGGREGATE BASE COURSE
3,080	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 3")
140	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
120	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
510	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
15	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
7,750	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
140	SY	***** PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (9-1/2")
240	LF	CONCRETE BARRIER, TYPE ***** (IV)
3,500	LF	CONCRETE BARRIER, TYPE ***** (SINGLE SLOPE)
4	EA	CONCRETE BARRIER TRANSITION SECTION
2,902	LF	GENERIC PAVING ITEM REMOVAL OF EXISTING CONCRETE MEDIAN BARRIER
1,188	LF	GENERIC PAVING ITEM REMOVAL OF EXISTING CONCRETE MEDIAN BARRIER (W/ H-PILES)
3	EA	GENERIC GUARDRAIL ITEM MEDIAN BARRIER MOVABLE GATE
1,385	SF	WORK ZONE SIGNS (STATIONARY)
643	SF	WORK ZONE SIGNS (PORTABLE)
4	EA	FLASHING ARROW PANELS, TYPE C
4	EA	CHANGEABLE MESSAGE SIGN
206	EA	DRUMS
2	EA	TEMPORARY CRASH CUSHIONS
4	EA	RESET TEMPORARY CRASH CUSHIONS
4	EA	TMIA
8,940	LF	PORTABLE CONCRETE BARRIER
5,260	LF	RESET PORTABLE CONCRETE BARRIER
300	HR	LAW ENFORCEMENT
13,820	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
27,020	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)
27,640	LF	PAINT PAVEMENT MARKING LINES (6")
13,820	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
5	TON	SEDIMENT CONTROL STONE
7	CY	SILT EXCAVATION
116	LF	1/4" HARDWARE CLOTH