



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

September 23, 2008

Notice To: All Prospective Bidders

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

Subject: Liability Insurance

Beginning with the November 18, 2008 letting, the Project Special Provision concerning Liability Insurance will be effective.

In accordance with Article 107-16 Liability Insurance, the Contractor shall add the Department as an additional insured on the commercial general liability policy at no additional cost to the Department. See attached provision for specific occurrences and limits.

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

Enclosure

**LIABILITY INSURANCE:**

(11-18-08)

SP1G80

**Page 1-68, Article 107-16 is amended to include the following as the first, second, third and fourth paragraphs:**

The Contractor shall be liable for any losses resulting from a breach of the terms of this contract. The Contractor shall be liable for any losses due to the negligence or willful misconduct of its agents, assigns and employees including any sub-contractors which causes damage to others for which the Department is found liable under the Torts Claims Act, or in the General Courts of Justice, provided the Department provides prompt notice to the Contractor and that the Contractor has an opportunity to defend against such claims. The Contractor shall not be responsible for punitive damages.

The Contractor shall at its sole cost and expense obtain and furnish to the Department an original standard ACORD form certificate of insurance evidencing commercial general liability with a limit for bodily injury and property damage in the amount of \$5,000,000.00 per occurrence and general aggregate, covering the Contractor from claims or damages for bodily injury, personal injury, or for property damages which may arise from operating under the contract by the employees and agents of the Contractor. The required limit of insurance may be obtained by a single general liability policy or the combination of a general liability and excess liability or umbrella policy. The State of North Carolina shall be named as an additional insured on this commercial general liability policy. The policy may contain the following language as relates to the State as an additional insured: "This insurance with respect to the additional insured applies only to the extent that the additional insured is held liable for your or your agent's acts or omissions arising out of and in the course of operations performed for the additional insured."

The Contractor shall maintain all legally required insurance coverage, including without limitation, worker's compensation and vehicle liability, in the amounts required by law. Providing and maintaining adequate insurance coverage is a material obligation of the contractor and is of the essence of this contract. All such insurance shall meet all laws of the State of North Carolina. Such insurance coverage shall be obtained from companies that are authorized to provide such coverage and that are authorized by the Commissioner of Insurance to do business in North Carolina. The Contractor shall at all times comply with the terms of such insurance policies.

Upon execution of the contract, provide evidence of the above insurance requirements to the Engineer.




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September 23, 2008

Notice To: All Prospective Bidders

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

Subject: Advertisement of U-2519E/X-0002B and X-0002C  
Cumberland County

As a matter of information to all Prospective Bidders the above subject projects scheduled for a November 18, 2008 Letting will be advertised for a six week period on October 7, 2008. Also note that these two projects will be offered for cluster bids.

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

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT SERVICES UNIT  
1591 MAIL SERVICE CENTER

TELEPHONE: 919-250-4128  
FAX: 919-250-4119  
WEBSITE: [WWW.NCDOT.ORG](http://www.NCDOT.ORG)

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



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

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July 22, 2008

MEMORANDUM TO: All Prequalified Contractors

FROM: R. A. Garris, P.E.  
Contract Officer

SUBJECT: Upgrade to Expedite 5.7a

Please be advised that effective with the August 19th, 2008 bid letting, North Carolina Department of Transportation will be upgrading from Expedite 5.6a to Expedite 5.7a.

This new version of software is available for download from either the NC Department of Transportation or the Bid Express web site. The links are listed below. **Before upgrading your software, please ensure you have backed up your digital id.** If you have not done so, this can be accomplished through the Tools menu under Digital ID's. It is recommended you then uninstall the Expedite 5.6a version to ensure no confusion in the future. Once you have installed Expedite 5.7a, you need to enter in your Bidder Information and Agency ID. The digital id backup file you created in the previous version will also need to be imported back in through the Tools menu under Digital ID's. If you do not feel comfortable with any of this procedure, please do not hesitate to contact the Bid Express helpdesk at (352) 381-4888 to have them walk you through this upgrade. The staff in the Project Services' Contract Office is also available for any further questions you may have concerning this transition at (919) 250-4124.

Bid Express  
<http://www.bidx.com>

NC Department of Transportation  
<http://www.ncdot.org/doh/preconstruct/ps/contracts/expedi/ebs/2008/subebdefault.html>

MAILING ADDRESS:  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACTS & PROPOSALS  
1591 MAIL SERVICE CENTER

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



STATE OF NORTH CAROLINA  
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November 20, 2007

Notice To: Prospective Bidders, Material Suppliers, and Subcontractors

From: R.A. Garris, P.E. *R.A. Garris*  
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  
1581 MAIL SERVICE CENTER  
RALEIGH NC 27689-1581

TELEPHONE 919-250-4124  
FAX: 919-250-4127  
WEBSITE: WWW.NCDOT.ORG

LOCATION:  
CENTURY CENTER COMPLEX  
BUILDING B - ENTRANCE B 16  
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	GULFORD 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

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October 23, 2007

**MEMORANDUM TO:** Prospective Bidders  
**FROM:** R. A. Garris, P.E. *R. A. Garris*  
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 [mncdiarmid@dot.state.nc.us](mailto:mncdiarmid@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.DOT.STATE.NC.US](http://WWW.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 NOVEMBER 18, 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 OCTOBER 7, 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** L081118

<b>RPN</b>	<b>Contract Id</b>	<b>WBS</b>	<b>County</b>	<b>Length</b>	<b>JobType</b>
002	C201977	35196.3.15	CUMBERLAND	4.327 KM	GRADING, DRAINAGE, PAVING, SIGNING & STRUCTURES.
003	C201979	35196.3.16	CUMBERLAND	6.570 KM	GRADING, DRAINAGE, PAVING & STRUCTURES.
004	C202186	35196.3.15 ETC.	CUMBERLAND	10.897 KM	GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L081118 002

CONTRACT ID : C201977 35196.3.15

DIV OFFICE FAYETTEVILLE

LENGTH = 4.327 KM

COUNTY : CUMBERLAND

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

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

FAYETTEVILLE OUTER LOOP FROM WEST OF NC-24 TO 1.3 MILES EAST OF NC-87/NC-210.

ROADWAY ITEMS						
			232.8	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)	
Lump Sum	LS	MOBILIZATION	513.6	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	CONSTRUCTION SURVEYING	79.2	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	CLEARING & GRUBBING .. HECTACRE(S)	73.2	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
2	HA	SUPPLEMENTARY CLEARING & GRUBBING	49.2	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
1	EA	SEALING ABANDONED WELLS	36	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
456,300	M3	UNCLASSIFIED EXCAVATION	31	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+72.005 -FLYOVER-)	4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+92.000 -TT7-)	4	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+82.275 -FLYOVER-)	2,175	M	PIPE REMOVAL	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (56+06.410 -CDR-)	Lump Sum	LS	FINE GRADING	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+10+.083 -L- WBL)	5,000	MTN	STABILIZER AGGREGATE	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+19.940 -L- EBL)	153,200	MTN	AGGREGATE BASE COURSE	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+35.010 -CDR-)	2,000	MTN	INCIDENTAL STONE BASE	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (66+15.645 -L- WBL)	49,550	L	PRIME COAT	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (66+24.323 -L- EBL)	24,758	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (66+28.850 -CDR-)	55,500	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- EBL)	2,525	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	56,910	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	2,040	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	2,150	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	715	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	3,970	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	3,460	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	120	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	
20,600	M3	UNDERCUT EXCAVATION	120	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR	
225	MTN	CLASS IV SUBGRADE STABILIZATION	14,350	M	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	
3,321,100	M3	BORROW EXCAVATION	911	M3	SUBDRAIN EXCAVATION	
12	EA	EMBANKMENT SETTLEMENT GAUGES	456	M3	SUBDRAIN FINE AGGREGATE	
14,730	M3	DRAINAGE DITCH EXCAVATION	1,100	M	150MM PERFORATED SUBDRAIN PIPE	
400	M	BERM DITCH CONSTRUCTION	110	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	
32,110	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	8	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
77	HR	PROOF ROLLING	16	M	150MM OUTLET PIPE (SUBDRAINS)	
16,200	M3	SELECT GRANULAR MATERIAL	6	M3	ENDWALLS	
16,200	M2	FABRIC FOR SOIL STABILIZATION	2	M3	PIPE COLLARS	
210	M2	TEMPORARY SHORING	1	M3	PIPE PLUGS	
100	MTN	GENERIC GRADING ITEM EXCAVATION & STOCKPILING OF CONTAMINATED SOIL	237	EA	MASONRY DRAINAGE STRUCTURES	
2,075	MTN	SELECT MATERIAL, CLASS II	72	M	MASONRY DRAINAGE STRUCTURES	
60	MTN	SELECT MATERIAL, CLASS ***** (VI)	5	EA	FRAME WITH GRATE, STD 840.22	
2,950	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	23	EA	FRAME WITH TWO GRATES, STD 840.16	
121.2	M	375MM SIDE DRAIN PIPE	49	EA	FRAME WITH TWO GRATES, STD 840.20	
190.8	M	****MM RC PIPE CULVERTS, CLASS ***** (900MM, V)	84	EA	FRAME WITH TWO GRATES, STD 840.22	
3.6	M	300MM RC PIPE CULVERTS, CLASS III	16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	
46.8	M	1200MM RC PIPE CULVERTS, CLASS III	27	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	
78	M	****MM RC PIPE CULVERTS, CLASS IV (600MM)	25	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	
			5	EA	FRAME WITH COVER, STD 840.54	
			11	M	*** X ****MM CONCRETE CURB (225MM X 300MM)	

				Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (31+85.00 -Y1-)
2,180	M	450MM CONCRETE CURB & GUTTER		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+02.00 -COL2-)
4,380	M	750MM CONCRETE CURB & GUTTER		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+70.00 -RP1BD-)
1,240	M	SHOULDER BERM GUTTER		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (51+53.00 -L-)
2	EA	MODIFIED CONCRETE FLUME		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (51+69.00 -CDR-)
2,750	M	CONCRETE EXPRESSWAY GUTTER		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (55+48.00 -L-)
20	EA	CONCRETE WHEELCHAIR RAMPS		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (64+85.00 -L-)
16	M2	150MM CONCRETE DRIVEWAY		Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (81+11.00 -L-)
4,400	M2	100MM CONCRETE ISLAND COVERS				
4,110	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)		4	EA	SIGN ERECTION, TYPE D
1,500	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		79	EA	SIGN ERECTION, TYPE E
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350		6	EA	SIGN ERECTION, TYPE F
7,543.83	M	STEEL BM GUARDRAIL		33	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (A)
64.77	M	STEEL BM GUARDRAIL, SHOP CURVED		7	EA	SIGN ERECTION, TYPE *** (OVERHEAD) (B)
4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS		26	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
60	EA	ADDITIONAL GUARDRAIL POSTS		2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
29	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1		3	EA	SIGN ERECTION, MILEMARKERS
33	EA	GUARDRAIL ANCHOR UNITS, TYPE 350		3	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
11	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350		1	EA	STOCKPILE SIGN, A OR B (GROUND MOUNTED)
50	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77		46	M2	WORK ZONE SIGNS (STATIONARY)
1,600	M	REMOVE EXISTING GUARDRAIL		65	M2	WORK ZONE SIGNS (PORTABLE)
2,790	M	DOUBLE FACED CABLE GUIDERAIL		10	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
14	EA	CABLE GUIDERAIL ANCHOR UNITS		2	EA	FLASHING ARROW PANELS, TYPE C
6,760	M	WOVEN WIRE FENCE, 1200MM FABRIC		4	EA	CHANGEABLE MESSAGE SIGN
1,393	EA	100MM TIMBER FENCE POSTS, 2.30M LONG		30	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)
319	EA	125MM TIMBER FENCE POSTS, 2.50M LONG		450	EA	DRUMS
5,140	M	CHAIN LINK FENCE, ****MM FABRIC (2100MM)		75	EA	CONES
1,396	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (2100MM)		137	M	BARRICADES (TYPE III)
52	EA	METAL TERMINAL POSTS FOR ****MM CHAIN LINK FENCE (2100MM)		200	MD	FLAGGER
100	M	ADDITIONAL BARBED WIRE		4	EA	TEMPORARY CRASH CUSHIONS
1	EA	GENERIC FENCING ITEM GATE, 2100MM HIGH, 26800MM OPENING		2	EA	TMIA
865	MTN	RIP RAP, CLASS I		900	M	PORTABLE CONCRETE BARRIER
1,500	MTN	RIP RAP, CLASS B		300	M	RESET PORTABLE CONCRETE BARRIER
16,390	M2	FILTER FABRIC FOR DRAINAGE		64	HR	POLICE
6	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON		75	EA	SKINNY DRUM
16	M3	REINFORCED CONCRETE SIGN FOUNDATIONS		85	EA	TUBULAR MARKERS (FIXED)
204	M3	OVERHEAD FOOTING		590	EA	TEMPORARY RAISED PAVEMENT MARKERS
5,043	KG	SUPPORTS, BREAKAWAY STEEL BEAM		7,310	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
1,825	KG	SUPPORTS, SIMPLE STEEL BEAM		6,161	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
613	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL		27,520	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
3	EA	SUPPORTS, 3-KG STEEL U-CHANNEL		4,631	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+04.00 -LP2D-)		100	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+32.73 -LP2B-)		3,140	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+40.00 -LPB-)		250	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (14+40.00 -Y2-)		8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (19+00.00 -FLYOVER-)		235	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (19+20.00 -Y2-)		55,560	M	PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+50.00 -Y1-)		1,200	M	PAINT PAVEMENT MARKING LINES (200MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (27+40.00 -Y1-)		140	M	PAINT PAVEMENT MARKING LINES (600MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (30+95.00 -Y1-)		4,696	M	POLYUREA PAVEMENT MARKING LINES (150MM, *****)
				3,375	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
				4,314	M	CURING COMPOUND REMOVAL, LINES

			9	EA	***MM SKIMMER (64MM)		
			2	EA	***MM SKIMMER (76MM)		
612	EA	PERMANENT RAISED PAVEMENT MARKERS	491.1	HA	SEEDING & MULCHING		
2,605	EA	SNOWPLOWABLE PAVEMENT MARKERS	266	HA	MOWING		
175	EA	FLEXIBLE DELINEATORS (CRYSTAL)	5,750	KG	SEED FOR REPAIR SEEDING		
100	EA	FLEXIBLE DELINEATORS (YELLOW)	19.25	MTN	FERTILIZER FOR REPAIR SEEDING		
3	EA	OBJECT MARKERS (END OF ROAD)	4,800	KG	SEED FOR SUPPLEMENTAL SEEDING		
4	EA	30.5M HIGH MOUNT STANDARD	286	MTN	FERTILIZER TOPDRESSING		
18	EA	36.5M HIGH MOUNT STANDARD	50	M	IMPERVIOUS DIKE		
1	EA	PORTABLE DRIVE UNIT	614.5	HR	SPECIALIZED HAND MOWING		
168.8	M3	HIGH MOUNT FOUNDATIONS	144	EA	RESPONSE FOR EROSION CONTROL		
168	EA	HIGH MOUNT LUMINAIRES ***** (750W, 480V)	1,008	M3	CULVERT DIVERSION CHANNEL		
3	EA	ELECTRIC SERVICE POLE ***** (9M)	3	HA	REFORESTATION		
90	M	ELECTRIC SERVICE LATERAL ***** (3-#1/0 USE, TS2 RGC)	1,955	M	SIGNAL CABLE		
100	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS2)	52	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)		
682	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS3)	1	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)		
60	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS4)	1	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)		
416	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS6)	940	M	MESSENGER CABLE (9.52MM)		
18	M	** #8 W/G FEEDER CIRCUIT (2)	950	M	TRACER WIRE		
1,711	M	** #2 W/G FEEDER CIRCUIT (2)	15	M	PAVED TRENCHING (***** (1, 50MM))		
547	M	***** FEEDER CIRCUIT (2-#1 W/G)	935	M	UNPAVED TRENCHING (***** (1, 50MM))		
324	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	325	M	PLOWING (***** (2, 50MM))		
4,962	M	***#2 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	685	M	DIRECTIONAL DRILL (***** (2, 50MM))		
2,572	M	***#1 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS2)	20	EA	JUNCTION BOX (STANDARD SIZE)		
57	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)	11	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)		
10	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)	3	EA	50MM RISER WITH HEAT SHRINK TUBING		
Lump Sum	LS	PORTABLE LIGHTING	2,000	M	INDUCTIVE LOOP SAWCUT		
1	EA	GENERIC LIGHTING ITEM LIGHT CONT EQUIPMENT, RW, 480V, 150A	3,650	M	LEAD-IN CABLE (***** (14-2))		
2	EA	GENERIC LIGHTING ITEM LIGHT CONT EQUIPMENT, RW, 480V, 200A	625	M	COMMUNICATIONS CABLE (**FIBER) (12)		
1,096	M	600MM WATER LINE	500	M	DROP CABLE		
1,060	M	ABANDON 600MM UTILITY PIPE	2	EA	SPLICE ENCLOSURE		
60	MTN	GENERIC UTILITY ITEM FOUNDATION COND MATERIAL	5	EA	INTERCONNECT CENTER		
46,200	M	TEMPORARY SILT FENCE	5	EA	FIBER-OPTIC TRANSCEIVER, SELF-HEALING RING		
5,010	MTN	STONE FOR EROSION CONTROL, CLASS A	10	EA	DELINEATOR MARKER		
28,500	MTN	STONE FOR EROSION CONTROL, CLASS B	2	EA	FURNISH FIBER-OPTIC RESTORATION KIT		
13,895	MTN	SEDIMENT CONTROL STONE	2	EA	FURNISH FIBER-OPTIC TRANSCEIVER		
178	HA	TEMPORARY MULCHING	19	EA	METAL STRAIN SIGNAL POLE		
2,900	KG	SEED FOR TEMPORARY SEEDING	19	EA	SOIL TEST		
18.5	MTN	FERTILIZER FOR TEMPORARY SEEDING	95	M3	DRILLED PIER FOUNDATION		
9,110	M	TEMPORARY SLOPE DRAINS	9	EA	SIGN FOR SIGNALS		
90	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	4	EA	SIGNAL CABINET FOUNDATION		
4,800	M	SAFETY FENCE	4	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)		
38,370	M3	SILT EXCAVATION	29	EA	DETECTOR CARD (TYPE 2070L)		
184,100	M2	MATting FOR EROSION CONTROL	4	EA	CABINET BASE EXTENDER		
460	M2	COIR FIBER MAT					
16,000	M2	PERMANENT SOIL REINFORCEMENT MAT					
1,140	M	6.4MM HARDWARE CLOTH					
300	M3	STILLING BASINS					
1,200	M	WATTLE					
969	KG	POLYACRYLAMIDE (PAM)					
2,645	M	COIR FIBER BAFFLES					
4	EA	***MM SKIMMER (102MM)					
53	EA	***MM SKIMMER (38MM)					
15	EA	***MM SKIMMER (51MM)					
						***** BEGIN SCHEDULE AA *****	
						***** (3 ALTERNATES) *****	
			3,416.4	M	375MM RC PIPE CULVERTS, CLASS III		
			1,486.8	M	450MM RC PIPE CULVERTS, CLASS III		
			1,849.2	M	600MM RC PIPE CULVERTS, CLASS III		
			998.4	M	750MM RC PIPE CULVERTS, CLASS III		
			184.8	M	900MM RC PIPE CULVERTS, CLASS III		
						*** OR ***	
			2,775.6	M	375MM RC PIPE CULVERTS, CLASS III		
			742.8	M	450MM RC PIPE CULVERTS, CLASS III		
			1,381.2	M	600MM RC PIPE CULVERTS, CLASS III		
			848.4	M	750MM RC PIPE CULVERTS, CLASS III		
			82.8	M	900MM RC PIPE CULVERTS, CLASS III		
			640.8	M	***MM HDPE PIPE CULVERTS (400MM)		
			744	M	***MM HDPE PIPE CULVERTS (450MM)		
			468	M	***MM HDPE PIPE CULVERTS (600MM)		

			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 63+66.830-L-)
150	M	***** HDPE PIPE CULVERTS (800MM)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 63+66.830-L-)
102	M	***** HDPE PIPE CULVERTS (900MM)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 63+66.830-L-)
		*** OR ***			
2,775.6	M	375MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (6, 63+66.830-L-)
742.8	M	450MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (7, 63+66.830-L-)
1,381.2	M	600MM RC PIPE CULVERTS, CLASS III	12	EA	PDA TESTING
848.4	M	750MM RC PIPE CULVERTS, CLASS III	12	EA	PDA ASSISTANCE
82.8	M	900MM RC PIPE CULVERTS, CLASS III	29,736.4	M2	REINFORCED CONCRETE DECK SLAB
640.8	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (400MM, 1.63MM)	28,384	M2	GROOVING BRIDGE FLOORS
744	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (450MM, 1.63MM)	997.8	M3	CLASS AA CONCRETE (BRIDGE)
468	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (600MM, 1.63MM)	3,501.5	M3	CLASS A CONCRETE (BRIDGE)
150	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (800MM, 2.01MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+72.000-FLYOVER-)
102	M	***** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (900MM, 2.01MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (41+33.963-RP1BD-)
		*** END SCHEDULE AA ***	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (41+41.155-COL2-)
		<b>CULVERT ITEMS</b>	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (56+05.973-CDR-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (46+47.000-L-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (58+15.000-L-LT)
436	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (58+15.000-L-RT)
688.5	M3	CLASS A CONCRETE (CULVERT)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (58+35.000-CDR-)
61,711	KG	REINFORCING STEEL (CULVERT)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (63+66.830-L-)
		<b>WALL ITEMS</b>	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (66+01.153-L-LT)
5,227	M2	MSE RETAINING WALLS	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (66+01.153-L-RT)
1,980	M2	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (66+11.952-CDR-)
3,976.408	M2	GENERIC RETAINING WALL ITEM VISUAL BARRIER WALL	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (77+44.00-L-LT)
		<b>STRUCTURE ITEMS</b>	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (77+44.00-L-RT)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+72.000-FLYOVER-)	435,795	KG	REINFORCING STEEL (BRIDGE)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (58+15.000-L-LT)	25,951	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (77+44.00-L-LT)	3,950.624	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (58+35.000-CDR-)	2,298.12	M	MODIFIED 1829MM PRESTRESSED CONC GIRDERS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-LT)	1,122,715	LS	APPROX ..... KG STRUCTURAL STEEL
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	12,807	M	HP310X79 STEEL PILES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	10,064	M	HP310X79 GALVANIZED STEEL PILES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	7,562.1	M	HP360X108 STEEL PILES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	570	M	HP360X108 GALVANIZED STEEL PILES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	533	EA	PILE REDRIVES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	3,901.351	M	CONCRETE BARRIER RAIL
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	223.92	M	*** X ***MM CONCRETE PARAPET (305MM X 457MM)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	125.28	M	*****MM CHAIN LINK FENCE (1829MM)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	2,546	M2	100MM SLOPE PROTECTION
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	7,949	MTN	RIP RAP CLASS II (600MM THICK)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	8,529	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	Lump Sum	LS	POT BEARINGS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	Lump Sum	LS	MODULAR EXPANSION JOINT SEALS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	781.872	M	914MM X 533MM PRESTRESSED CONC CORED SLABS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 66+01.153-L-RT)	Lump Sum	LS	GENERIC STRUCTURE ITEM APPROXIMATELY 1,542,000KG STRUCTURAL STEEL



1.282.311 M2 GENERIC STRUCTURE ITEM  
VISUAL BARRIER WALL  
ON STRUCTURE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L081118 003

CONTRACT ID : C201979 35196.3.16

DIV OFFICE FAYETTEVILLE

LENGTH = 6.570 KM

COUNTY : CUMBERLAND

GRADING, DRAINAGE, PAVING & STRUCTURES.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE : OCT 01 2012

NC-24 EXTENSION (FAYETTEVILLE OUTER LOOP) FROM 1.3 MI EAST OF NC-87/210 TO WEST OF US-401.

ROADWAY ITEMS					
		1	EA	****MM PIPE END SECTION (450MM)	
		207.6	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	80.4	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	36	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	22.8	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
2	HA	24	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
17	EA	24	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
800,000	M3	39.6	M	1000MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK	
Lump Sum	LS	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (1000MM, 2.77MM)	
Lump Sum	LS	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (900MM, 2.01MM)	
Lump Sum	LS	12	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
Lump Sum	LS	4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
Lump Sum	LS	4	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
25,981	M3	4	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK	
1,350	MTN	555.6	M	PIPE REMOVAL	
568,000	M3	Lump Sum	LS	FINE GRADING	
7	EA	35	MTN	#57 STONE	
11,760	M3	8,750	MTN	STABILIZER AGGREGATE	
1,100	M	110,000	MTN	AGGREGATE BASE COURSE	
5,750	M2	500	MTN	INCIDENTAL STONE BASE	
5,500	M2	375,819	L	PRIME COAT	
70	HR	540	M2	INCIDENTAL MILLING	
16,000	M3	720	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	
21,600	M2	29,520	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
34,000	M3	11,600	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	
2,500	M3	31,480	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
4,700	M2	11,520	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
1,100	M2	30,840	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
17,000	M2	1,530	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
3,650	M2	4,120	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
6	EA	1,855	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
3,280	MTN	25,600	M	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	
38.4	M	994	M3	SUBDRAIN EXCAVATION	
43.2	M	497	M3	SUBDRAIN FINE AGGREGATE	
3.6	M	1,200	M	150MM PERFORATED SUBDRAIN PIPE	
100.8	M	120	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	
55.2	M	8	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
86.4	M	16	M	150MM OUTLET PIPE (SUBDRAINS)	
120	M	18.9	M3	ENDWALLS	
110.4	M	8.5	M3	REINFORCED ENDWALLS	
1	EA	212	EA	MASONRY DRAINAGE STRUCTURES	
		68.01	M	MASONRY DRAINAGE STRUCTURES	
		70	EA	FRAME WITH TWO GRATES, STD 840.16	
		27	EA	FRAME WITH TWO GRATES, STD 840.20	
		53	EA	FRAME WITH TWO GRATES, STD 840.22	
		2	EA	FRAME WITH TWO GRATES, STD 840.24	
		4	EA	FRAME WITH TWO GRATES, STD 840.29	
		6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	

12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	19	EA	SIGN ERECTION, TYPE F
21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	16	EA	SIGN ERECTION, TYPE *** (OVER-HEAD) (A)
9	EA	FRAME WITH COVER, STD 840.54	9	EA	SIGN ERECTION, TYPE *** (OVER-HEAD) (B)
1,180	M	450MM CONCRETE CURB & GUTTER	16	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
2,020	M	750MM CONCRETE CURB & GUTTER	14	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
55	M	SHOULDER BERM GUTTER	20	EA	SIGN ERECTION, MILEMARKERS
2,225	M	CONCRETE EXPRESSWAY GUTTER	1	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)
950	M	CONCRETE VALLEY GUTTER	3	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
1,130	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	18	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
230	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	5	EA	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
1	EA	ADJUSTMENT OF CATCH BASINS	19	EA	DISPOSAL OF SIGN, D, E OR F
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	125	M2	WORK ZONE SIGNS (STATIONARY)
6,537.96	M	STEEL BM GUARDRAIL	50	M2	WORK ZONE SIGNS (PORTABLE)
148.2	M	STEEL BM GUARDRAIL, SHOP CURVED	30	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
12	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	2	EA	FLASHING ARROW PANELS, TYPE C
50	EA	ADDITIONAL GUARDRAIL POSTS	2	EA	CHANGEABLE MESSAGE SIGN
27	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	125	EA	DRUMS
31	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	125	EA	CONES
6	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	105	M	BARRICADES (TYPE III)
22	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	400	MD	FLAGGER
20	M	REMOVE & RESET EXISTING GUIDE-RAIL	2	EA	TEMPORARY CRASH CUSHIONS
72.39	M	TEMPORARY STEEL BM GUARDRAIL	245	M	PORTABLE CONCRETE BARRIER
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	240	HR	POLICE
5,310	M	DOUBLE FACED CABLE GUIDERAIL	131	EA	TEMPORARY RAISED PAVEMENT MARKERS
6	EA	ADDITIONAL GUIDERAIL POSTS	3,335	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
23	EA	CABLE GUIDERAIL ANCHOR UNITS	2,623	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
13,420	M	WOVEN WIRE FENCE, 1200MM FABRIC	30,766	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
2,800	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	4,690	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)
640	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	338	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
2	EA	DOUBLE GATES, ***** HIGH, ***** WIDE, ***** OPENING (1200MM, 3050MM, 6100MM)	2,829	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
1,050	MTN	RIP RAP, CLASS I	163	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
1,535	MTN	RIP RAP, CLASS B	16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
15,660	M2	FILTER FABRIC FOR DRAINAGE	99	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	384	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (100MM) (IV)
9	M3	REINFORCED CONCRETE SIGN FOUNDATIONS	42,788	M	PAINT PAVEMENT MARKING LINES (100MM)
108	M3	OVERHEAD FOOTING	128	M	PAINT PAVEMENT MARKING LINES (600MM)
2,076	KG	SUPPORTS, BREAKAWAY STEEL BEAM	4	EA	PAINT PAVEMENT MARKING SYMBOL
1,573	KG	SUPPORTS, SIMPLE STEEL BEAM	446	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****)
607	M	SUPPORTS, 4.5-KG STEEL U-CHANNEL	1,728	M	POLYUREA PAVEMENT MARKING LINES (150MM, *****)
20	EA	SUPPORTS, 3-KG STEEL U-CHANNEL	2,200	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (102+09 -L- C)	2,310	M	CURING COMPOUND REMOVAL, LINES
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (103+21 -L- D)	39	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (108+00 -L- E)	1,453	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (138+00 -L- F)	21	EA	2.1M U-CHANNEL POSTS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (14+82 -Y12- I)	325	EA	FLEXIBLE DELINEATORS (CRYSTAL)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (16+48 -Y12- G)	76	EA	FLEXIBLE DELINEATORS (YELLOW)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (7+00 -Y12- H)	20	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (89+20 -L- A)	20	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (97+20 -L- B)	21	EA	OBJECT MARKERS (END OF ROAD)
7	EA	SIGN ERECTION, TYPE D	3	EA	24.5M HIGH MOUNT STANDARD
68	EA	SIGN ERECTION, TYPE E	6	EA	30.5M HIGH MOUNT STANDARD
			5	EA	36.5M HIGH MOUNT STANDARD
			1	EA	PORTABLE DRIVE UNIT
			86.7	M3	HIGH MOUNT FOUNDATIONS
			24	EA	HIGH MOUNT LUMINAIRES ***** (400W, 480V)
			76	EA	HIGH MOUNT LUMINAIRES ***** (750W, 480V)

			4	EA	SPECIAL STILLING BASINS		
			500	M	WATTLE		
			375	KG	POLYACRYLAMIDE (PAM)		
2	EA	ELECTRIC SERVICE POLE ***** (9M)	2,200	M	COIR FIBER BAFFLES		
60	M	ELECTRIC SERVICE LATERAL ***** (3-#1/0 USE, TS2 RGC)	36	EA	***MM SKIMMER (38MM)		
37	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS2)	15	EA	***MM SKIMMER (51MM)		
318	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS3)	2	EA	***MM SKIMMER (64MM)		
28	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS4)	3	EA	***MM SKIMMER (76MM)		
144	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS6)	180	HA	SEEDING & MULCHING		
637	M	** #2 W/G FEEDER CIRCUIT (2)	105	HA	MOWING		
105	M	***** FEEDER CIRCUIT (2-#1 W/G)	2,225	KG	SEED FOR REPAIR SEEDING		
339	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	7.5	MTN	FERTILIZER FOR REPAIR SEEDING		
4,224	M	***#2 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	1,850	KG	SEED FOR SUPPLEMENTAL SEEDING		
251	M	***#1 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS2)	110	MTN	FERTILIZER TOPDRESSING		
29	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)	310	M	IMPERVIOUS DIKE		
10	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)	400	HR	SPECIALIZED HAND MOWING		
6	EA	UNDERPASS LUMINARIES ***** (70W, 480V TYPE PM)	72	EA	RESPONSE FOR EROSION CONTROL		
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (AT US-401)	455	M3	CULVERT DIVERSION CHANNEL		
Lump Sum	LS	PORTABLE LIGHTING	6	HA	REFORESTATION		
1	EA	GENERIC LIGHTING ITEM LIGHT CONT EQUIPMENT, RW, 480V, 150A	705	M	SIGNAL CABLE		
1	EA	GENERIC LIGHTING ITEM LIGHT CONT EQUIPMENT, RW, 480V, 200A	22	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)		
15	M	50MM WATER LINE	360	M	MESSENGER CABLE (9.52MM)		
58	M	150MM WATER LINE	215	M	UNPAVED TRENCHING (***** (1, 50MM)		
106	M	200MM WATER LINE	8	EA	JUNCTION BOX (STANDARD SIZE)		
1,204	M	400MM WATER LINE	650	M	INDUCTIVE LOOP SAWCUT		
1	EA	50MM VALVE	700	M	LEAD-IN CABLE (***** (14-2)		
1	EA	150MM VALVE	4	EA	900MHZ WIRELESS RADIO SYSTEM		
4	EA	200MM VALVE	8	EA	METAL STRAIN SIGNAL POLE		
4	EA	400MM VALVE	8	EA	SOIL TEST		
1	EA	RELOCATE WATER METER	40	M3	DRILLED PIER FOUNDATION		
3	EA	RECONNECT WATER METER	4	EA	SIGN FOR SIGNALS		
6	EA	RELOCATE FIRE HYDRANT	2	EA	SIGNAL CABINET FOUNDATION		
176	M	200MM SANITARY GRAVITY SEWER	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)		
5	EA	1200MM DIA UTILITY MANHOLE	9	EA	DETECTOR CARD (TYPE 2070L)		
4.84	M	UTILITY MANHOLE WALL, 1200MM DIA	2	EA	CABINET BASE EXTENDER		
516	M	ABANDON 150MM UTILITY PIPE	1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS LIGHTING ARRESTOR		
818	M	ABANDON 200MM UTILITY PIPE	1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEM		
1,181	M	ABANDON 400MM UTILITY PIPE					
9	EA	ABANDON UTILITY MANHOLE					
19,000	M	TEMPORARY SILT FENCE					
13,000	MTN	STONE FOR EROSION CONTROL, CLASS A					
12,000	MTN	STONE FOR EROSION CONTROL, CLASS B					
8,000	MTN	SEDIMENT CONTROL STONE					
132.5	HA	TEMPORARY MULCHING					
2,525	KG	SEED FOR TEMPORARY SEEDING					
16	MTN	FERTILIZER FOR TEMPORARY SEED- ING					
3,800	M	TEMPORARY SLOPE DRAINS					
69	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS					
5,000	M	SAFETY FENCE					
17,775	M3	SILT EXCAVATION					
185,000	M2	MATting FOR EROSION CONTROL					
330	M2	COIR FIBER MAT					
9,800	M2	PERMANENT SOIL REINFORCEMENT MAT					
600	M	6.4MM HARDWARE CLOTH					
25	M	***MM TEMPORARY PIPE (600MM)					
30	M	TEMPORARY PIPE FOR STREAM CROSSING					
880	M3	STILLING BASINS					
						***** BEGIN SCHEDULE AA *****	
						***** ( 3 ALTERNATES ) *****	
			2,301.6	M	375MM RC PIPE CULVERTS, CLASS III		
			793.2	M	450MM RC PIPE CULVERTS, CLASS III		
			2,346	M	600MM RC PIPE CULVERTS, CLASS III		
			2,190	M	750MM RC PIPE CULVERTS, CLASS III		
			1,054.8	M	900MM RC PIPE CULVERTS, CLASS III		
			234	M	1050MM RC PIPE CULVERTS, CLASS III		
			105.6	M	1200MM RC PIPE CULVERTS, CLASS III		
						*** OR ***	
			1,489.2	M	375MM RC PIPE CULVERTS, CLASS III		
			366	M	450MM RC PIPE CULVERTS, CLASS III		
			849.6	M	600MM RC PIPE CULVERTS, CLASS III		
			280.8	M	750MM RC PIPE CULVERTS, CLASS III		
			135.6	M	900MM RC PIPE CULVERTS, CLASS III		
			174	M	1050MM RC PIPE CULVERTS, CLASS III		
			103.2	M	1200MM RC PIPE CULVERTS, CLASS III		
			60	M	***MM HDPE PIPE CULVERTS (1000MM)		
			2.4	M	***MM HDPE PIPE CULVERTS (1200MM)		
			812.4	M	***MM HDPE PIPE CULVERTS (400MM)		
			427.2	M	***MM HDPE PIPE CULVERTS (450MM)		
			1,496.4	M	***MM HDPE PIPE CULVERTS (600MM)		
			1,909.2	M	***MM HDPE PIPE CULVERTS (800MM)		

			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 146+39.081-L-WBL)
919.2	M	*****MM HDPE PIPE CULVERTS (900MM)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 146+39.081-L-EBL)
		*** OR ***			
1,489.2	M	375MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 146+39.081-L-WBL)
366	M	450MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 146+39.081-L-EBL)
849.6	M	600MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 146+39.081-L-WBL)
280.8	M	750MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 146+39.081-L-EBL)
135.6	M	900MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 146+39.081-L-WBL)
174	M	1050MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 146+39.081-L-WBL)
103.2	M	1200MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 146+39.081-L-EBL)
60	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (1000MM, 2.01MM)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 146+39.081-L-WBL)
2.4	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (1200MM, 2.01MM)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5, 146+39.081-L-WBL)
812.4	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (400MM, 1.63MM)	6	EA	PDA TESTING
			6	EA	PDA ASSISTANCE
			14,079.7	M2	REINFORCED CONCRETE DECK SLAB
			13,393	M2	GROOVING BRIDGE FLOORS
			1,894.6	M3	CLASS A CONCRETE (BRIDGE)
427.2	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (450MM, 1.63MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (102+62.953-L-)
1,496.4	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (600MM, 1.63MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (118+17.500-L-EBL)
1,909.2	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (800MM, 2.01MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (118+17.500-L-WBL)
919.2	M	*****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *****MM THICK (900MM, 2.01MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (146+39.081-L-EBL)

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

**CULVERT ITEMS**

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (105+03.000-L-)	9,101	M	HP310X79 STEEL PILES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (130+30.000-L-)	1,872	M	HP310X79 GALVANIZED STEEL PILES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+14.000-Y-REV)	221	EA	PILE REDRIVES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (2+98.000-Y-RAMPA)	1,814.08	M	CONCRETE BARRIER RAIL
705	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	2,420	M2	100MM SLOPE PROTECTION
1,065	M3	CLASS A CONCRETE (CULVERT)	4,882	MTN	RIP RAP CLASS II (600MM THICK)
78,736	KG	REINFORCING STEEL (CULVERT)	4,980	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM AT STA***** (130+00.000-L-)	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	GENERIC STRUCTURE ITEM APPROXIMATELY 1,018,000KG STRUCTURAL STEEL
			Lump Sum	LS	GENERIC STRUCTURE ITEM APPROXIMATELY 1,044,800KG STRUCTURAL STEEL

**WALL ITEMS**

100	M2	MSE RETAINING WALLS
2,636	M2	GENERIC RETAINING WALL ITEM MSE RETAINING WALLS, TWO STAGE
3,915	M2	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (118+17.500-L-WBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 102+62.953-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 146+39.081-L-EBL)

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L081118 004

CONTRACT ID : C202186 35196.3.15

DIV OFFICE FAYETTEVILLE

LENGTH = 10.897 KM

COUNTY : CUMBERLAND

GRADING, DRAINAGE, PAVING, SIGNING, AND STRUCTURES.

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

NC-24 EXTENSION (FAYETTEVILLE OUTER LOOP) FROM WEST OF NC-24 TO WEST OF US-401.

ROADWAY ITEMS					
			4,700	M2	GENERIC GRADING ITEM FABRIC FOR EMBANKMENT STABILIZATION
Lump Sum	LS	MOBILIZATION	1,100	M2	GENERIC GRADING ITEM PERMANENT TURF REINFORCEMENT MAT
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING .. HECTACRE(S)	17,000	M2	GENERIC GRADING ITEM PRIMARY GEOGRID REINFORCEMENT
4	HA	SUPPLEMENTARY CLEARING & GRUB- BING	3,650	M2	GENERIC GRADING ITEM SECONDARY GEOGRID REINFORCE- MENT
18	EA	SEALING ABANDONED WELLS	100	MTN	GENERIC GRADING ITEM EXCAVATION & STOCKPILING OF CONTAMINATED SOIL
1,256,300	M3	UNCLASSIFIED EXCAVATION	6	EA	GENERIC GRADING ITEM CASING ACCESS BOXES
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (118+17.00-L-EBL)	2,075	MTN	SELECT MATERIAL, CLASS II
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (118+17.00-L-WBL)	60	MTN	SELECT MATERIAL, CLASS ***** (VI)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (145+27.00-L-EBL)	6,230	MTN	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (145+27.00-L-WBL)	159.6	M	375MM SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+72.005 -FLYOVER-)	43.2	M	450MM SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+72.005 -FLYOVER-)	190.8	M	*****MM RC PIPE CULVERTS, CLASS ***** (900MM, V)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+40.00-Y-REV)	3.6	M	300MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+92.000 -TT7-)	46.8	M	1200MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+82.275 -FLYOVER-)	3.6	M	1350MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+82.275 -FLYOVER-)	100.8	M	1800MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (56+06.410 -CDR-)	55.2	M	*****MM RC PIPE CULVERTS, CLASS IV (1050MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+10+.083 -L- WBL)	86.4	M	*****MM RC PIPE CULVERTS, CLASS IV (1350MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+19.940 -L- EBL)	120	M	*****MM RC PIPE CULVERTS, CLASS IV (1500MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+19.940 -L- EBL)	78	M	*****MM RC PIPE CULVERTS, CLASS IV (600MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+35.010 -CDR-)	343.2	M	*****MM RC PIPE CULVERTS, CLASS IV (900MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (66+15.645 -L- WBL)	1	EA	*****MM PIPE END SECTION (375MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (66+24.323 -L- EBL)	1	EA	*****MM PIPE END SECTION (450MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (66+28.850 -CDR-)	721.2	M	400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- EBL)	159.6	M	450MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (77+44.000 -L- WBL)	109.2	M	600MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
46,581	M3	UNDERCUT EXCAVATION	72	M	800MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.01MM THICK
1,575	MTN	CLASS IV SUBGRADE STABILIZA- TION	60	M	900MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.01MM THICK
3,889,100	M3	BORROW EXCAVATION	39.6	M	1000MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.77MM THICK
19	EA	EMBANKMENT SETTLEMENT GAUGES	2	EA	*****MM BIT COAT CS PIPE ELBOWS, TYPE B *****MM THICK (1000MM, 2.77MM)
26,490	M3	DRAINAGE DITCH EXCAVATION	2	EA	*****MM BIT COAT CS PIPE ELBOWS, TYPE B *****MM THICK (900MM, 2.01MM)
1,500	M	BERM DITCH CONSTRUCTION	43	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
37,860	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	8	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
5,500	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	8	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
147	HR	PROOF ROLLING	4	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
32,200	M3	SELECT GRANULAR MATERIAL	2,730.6	M	PIPE REMOVAL
37,800	M2	FABRIC FOR SOIL STABILIZATION	Lump Sum	LS	FINE GRADING
210	M2	TEMPORARY SHORING	35	MTN	#57 STONE
34,000	M3	GENERIC GRADING ITEM BORROW MATERIAL FOR GEOGRID REINFORCEMENT			
2,500	M3	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III			

			110	EA	ADDITIONAL GUARDRAIL POSTS
			56	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			64	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
13,750	MTN	STABILIZER AGGREGATE	17	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
263,200	MTN	AGGREGATE BASE COURSE	72	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
2,500	MTN	INCIDENTAL STONE BASE	20	M	REMOVE & RESET EXISTING GUIDERAIL
425,369	L	PRIME COAT	1,600	M	REMOVE EXISTING GUARDRAIL
540	M2	INCIDENTAL MILLING	72.39	M	TEMPORARY STEEL BM GUARDRAIL
720	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
54,278	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	8,100	M	DOUBLE FACED CABLE GUIDERAIL
11,600	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	6	EA	ADDITIONAL GUIDERAIL POSTS
86,980	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	37	EA	CABLE GUIDERAIL ANCHOR UNITS
14,045	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	20,180	M	WOVEN WIRE FENCE, 1200MM FABRIC
87,750	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	4,193	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
2,040	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	959	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
3,680	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	5,140	M	CHAIN LINK FENCE, ****MM FABRIC (2100MM)
715	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C	1,396	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (2100MM)
8,090	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	52	EA	METAL TERMINAL POSTS FOR ****MM CHAIN LINK FENCE (2100MM)
5,315	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	100	M	ADDITIONAL BARBED WIRE
120	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	2	EA	DOUBLE GATES, ****MM HIGH, ****MM WIDE, ****MM OPENING (1200MM, 3050MM, 6100MM)
120	MTN	ASPHALT PLANT MIX, PAVEMENT REPAIR	1	EA	GENERIC FENCING ITEM GATE, 2100MM HIGH, 26800MM OPENING
39,950	M	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	1,915	MTN	RIP RAP, CLASS I
1,905	M3	SUBDRAIN EXCAVATION	3,035	MTN	RIP RAP, CLASS B
953	M3	SUBDRAIN FINE AGGREGATE	32,050	M2	FILTER FABRIC FOR DRAINAGE
2,300	M	150MM PERFORATED SUBDRAIN PIPE	8	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
230	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	25	M3	REINFORCED CONCRETE SIGN FOUNDATIONS
16	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	312	M3	OVERHEAD FOOTING
32	M	150MM OUTLET PIPE (SUBDRAINS)	7,119	KG	SUPPORTS, BREAKAWAY STEEL BEAM
24.9	M3	ENDWALLS	3,398	KG	SUPPORTS, SIMPLE STEEL BEAM
8.5	M3	REINFORCED ENDWALLS	1,220	M	SUPPORTS, 4.5-KG STEEL U-CHANN EL
2	M3	PIPE COLLARS	23	EA	SUPPORTS, 3-KG STEEL U-CHANNEL
1	M3	PIPE PLUGS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (102+09 -L- C)
449	EA	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (103+21 -L- D)
140.01	M	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (108+00 -L- E)
5	EA	FRAME WITH GRATE, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+04.00 -LP2D-)
93	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+32.73 -LP2B-)
76	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (12+40.00 -LPB-)
137	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (138+00 -L- F)
2	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (14+40.00 -Y2-)
4	EA	FRAME WITH TWO GRATES, STD 840.29	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (14+82 -Y12- I)
22	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (16+48 -Y12- G)
39	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (19+00.00 -FLYOVER-)
46	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (19+20.00 -Y2-)
14	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+50.00 -Y1-)
11	M	*** X ***MM CONCRETE CURB (225MM X 300MM)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (27+40.00 -Y1-)
3,360	M	450MM CONCRETE CURB & GUTTER			
6,400	M	750MM CONCRETE CURB & GUTTER			
1,295	M	SHOULDER BERM GUTTER			
2	EA	MODIFIED CONCRETE FLUME			
4,975	M	CONCRETE EXPRESSWAY GUTTER			
950	M	CONCRETE VALLEY GUTTER			
20	EA	CONCRETE WHEELCHAIR RAMPS			
16	M2	150MM CONCRETE DRIVEWAY			
4,400	M2	100MM CONCRETE ISLAND COVERS			
5,240	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)			
1,730	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED			
1	EA	ADJUSTMENT OF CATCH BASINS			
4	EA	IMPACT ATTENUATOR UNIT, TYPE 350			
14,081.79	M	STEEL BM GUARDRAIL			
212.97	M	STEEL BM GUARDRAIL, SHOP CURVED			
16	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS			

			438	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
			5,969	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (30+95.00 -Y1-)	413	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (31+85.00 -Y1-)	24	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+02.00 -COL2-)	334	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+70.00 -RP1BD-)	384	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (100MM) (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (41+70.00 -RP1BD-)	98,348	M	PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (51+53.00 -L-)	1,200	M	PAINT PAVEMENT MARKING LINES (200MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (51+69.00 -CDR-)	268	M	PAINT PAVEMENT MARKING LINES (600MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (55+48.00 -L-)	4	EA	PAINT PAVEMENT MARKING SYMBOL
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (64+85.00 -L-)	446	M	POLYUREA PAVEMENT MARKING LINES (100MM, *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (64+85.00 -L-)	6,424	M	POLYUREA PAVEMENT MARKING LINES (150MM, *****) (HIGHLY REFLECTIVE ELEMENTS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (7+00 -Y12- H)	5,575	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (81+11.00 -L-)	6,624	M	CURING COMPOUND REMOVAL, LINES
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (89+20 -L- A)	651	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (97+20 -L- B)	4,058	EA	SNOWPLOWABLE PAVEMENT MARKERS
11	EA	SIGN ERECTION, TYPE D	21	EA	2.1M U-CHANNEL POSTS
147	EA	SIGN ERECTION, TYPE E	500	EA	FLEXIBLE DELINEATORS (CRYSTAL)
25	EA	SIGN ERECTION, TYPE F	176	EA	FLEXIBLE DELINEATORS (YELLOW)
49	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	20	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
		(A)	20	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
16	EA	SIGN ERECTION, TYPE *** (OVERHEAD)	24	EA	OBJECT MARKERS (END OF ROAD)
		(B)	3	EA	24.5M HIGH MOUNT STANDARD
42	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	10	EA	30.5M HIGH MOUNT STANDARD
		(A)	23	EA	36.5M HIGH MOUNT STANDARD
16	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)	2	EA	PORTABLE DRIVE UNIT
		(B)	255.5	M3	HIGH MOUNT FOUNDATIONS
23	EA	SIGN ERECTION, MILEMARKERS	24	EA	HIGH MOUNT LUMINAIRES ***** (400W, 480V)
1	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)	244	EA	HIGH MOUNT LUMINAIRES ***** (750W, 480V)
3	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	5	EA	ELECTRIC SERVICE POLE ***** (9M)
21	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	150	M	ELECTRIC SERVICE LATERAL ***** (3-#1/0 USE, TS2 RGC)
1	EA	STOCKPILE SIGN, A OR B (GROUND MOUNTED)	137	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS2)
5	EA	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)	1,000	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS3)
19	EA	DISPOSAL OF SIGN, D, E OR F	88	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS4)
171	M2	WORK ZONE SIGNS (STATIONARY)	560	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS6)
115	M2	WORK ZONE SIGNS (PORTABLE)	18	M	** #8 W/G FEEDER CIRCUIT (2)
40	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	2,348	M	** #2 W/G FEEDER CIRCUIT (2)
4	EA	FLASHING ARROW PANELS, TYPE C	652	M	***** FEEDER CIRCUIT (2-#1 W/G)
6	EA	CHANGEABLE MESSAGE SIGN	663	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)
30	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)	9,186	M	***#2 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)
575	EA	DRUMS	2,823	M	***#1 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS2)
200	EA	CONES	86	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
242	M	BARRICADES (TYPE III)	20	EA	ELECTRICAL JUNCTION BOXES ***** (PC30)
600	MD	FLAGGER	6	EA	UNDERPASS LUMINAIRES ***** (70W, 480V TYPE PM)
6	EA	TEMPORARY CRASH CUSHIONS	Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (AT US-401)
2	EA	TMIA	Lump Sum	LS	PORTABLE LIGHTING
1,145	M	PORTABLE CONCRETE BARRIER	2	EA	GENERIC LIGHTING ITEM
300	M	RESET PORTABLE CONCRETE BARRIER			LIGHT CONT EQUIPMENT, RW, 480V, 150A
304	HR	POLICE			
75	EA	SKINNY DRUM			
85	EA	TUBULAR MARKERS (FIXED)			
721	EA	TEMPORARY RAISED PAVEMENT MARKERS			
10,645	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)			
8,784	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)			
58,286	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)			
9,321	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)			



				325	M	PLOWING (***** (2, 50MM)	
				685	M	DIRECTIONAL DRILL (***** (2, 50MM)	
3	EA	GENERIC LIGHTING ITEM LIGHT CONT EQUIPMENT, RW, 480V, 200A		28	EA	JUNCTION BOX (STANDARD SIZE)	
15	M	50MM WATER LINE		11	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)	
58	M	150MM WATER LINE		3	EA	50MM RISER WITH HEAT SHRINK TUBING	
106	M	200MM WATER LINE		2,650	M	INDUCTIVE LOOP SAWCUT	
1,204	M	400MM WATER LINE		4,350	M	LEAD-IN CABLE (***** (14-2)	
1,096	M	600MM WATER LINE		625	M	COMMUNICATIONS CABLE (**FIBER) (12)	
1	EA	50MM VALVE		500	M	DROP CABLE	
1	EA	150MM VALVE		2	EA	SPLICE ENCLOSURE	
4	EA	200MM VALVE		5	EA	INTERCONNECT CENTER	
4	EA	400MM VALVE		5	EA	FIBER-OPTIC TRANSCEIVER, SELF- HEALING RING	
1	EA	RELOCATE WATER METER		10	EA	DELINEATOR MARKER	
3	EA	RECONNECT WATER METER		2	EA	FURNISH FIBER-OPTIC RESTORA- TION KIT	
6	EA	RELOCATE FIRE HYDRANT		2	EA	FURNISH FIBER-OPTIC TRANSCEIV- ER	
176	M	200MM SANITARY GRAVITY SEWER		4	EA	900MHZ WIRELESS RADIO SYSTEM	
5	EA	1200MM DIA UTILITY MANHOLE		27	EA	METAL STRAIN SIGNAL POLE	
4.84	M	UTILITY MANHOLE WALL, 1200MM DIA		27	EA	SOIL TEST	
516	M	ABANDON 150MM UTILITY PIPE		135	M3	DRILLED PIER FOUNDATION	
818	M	ABANDON 200MM UTILITY PIPE		13	EA	SIGN FOR SIGNALS	
1,181	M	ABANDON 400MM UTILITY PIPE		6	EA	SIGNAL CABINET FOUNDATION	
1,060	M	ABANDON 600MM UTILITY PIPE		6	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	
9	EA	ABANDON UTILITY MANHOLE		38	EA	DETECTOR CARD (TYPE 2070L)	
60	MTN	GENERIC UTILITY ITEM FOUNDATION COND MATERIAL		6	EA	CABINET BASE EXTENDER	
65,200	M	TEMPORARY SILT FENCE		1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS LIGHTING ARRESTOR	
18,010	MTN	STONE FOR EROSION CONTROL, CLASS A		1	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEM	
40,500	MTN	STONE FOR EROSION CONTROL, CLASS B					***** BEGIN SCHEDULE AA ***** ***** ( 3 ALTERNATES ) *****
21,895	MTN	SEDIMENT CONTROL STONE		5,718	M	375MM RC PIPE CULVERTS, CLASS III	
310.5	HA	TEMPORARY MULCHING		2,280	M	450MM RC PIPE CULVERTS, CLASS III	
5,425	KG	SEED FOR TEMPORARY SEEDING		4,195.2	M	600MM RC PIPE CULVERTS, CLASS III	
34.5	MTN	FERTILIZER FOR TEMPORARY SEED- ING		3,188.4	M	750MM RC PIPE CULVERTS, CLASS III	
12,910	M	TEMPORARY SLOPE DRAINS		1,239.6	M	900MM RC PIPE CULVERTS, CLASS III	
159	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS		234	M	1050MM RC PIPE CULVERTS, CLASS III	
9,800	M	SAFETY FENCE		105.6	M	1200MM RC PIPE CULVERTS, CLASS III	
56,145	M3	SILT EXCAVATION					*** OR ***
369,100	M2	MATting FOR EROSION CONTROL		4,264.8	M	375MM RC PIPE CULVERTS, CLASS III	
790	M2	COIR FIBER MAT		1,108.8	M	450MM RC PIPE CULVERTS, CLASS III	
25,800	M2	PERMANENT SOIL REINFORCEMENT MAT		2,230.8	M	600MM RC PIPE CULVERTS, CLASS III	
1,740	M	6.4MM HARDWARE CLOTH		1,129.2	M	750MM RC PIPE CULVERTS, CLASS III	
25	M	***MM TEMPORARY PIPE (600MM)		218.4	M	900MM RC PIPE CULVERTS, CLASS III	
30	M	TEMPORARY PIPE FOR STREAM CROSSING		174	M	1050MM RC PIPE CULVERTS, CLASS III	
1,180	M3	STILLING BASINS		103.2	M	1200MM RC PIPE CULVERTS, CLASS III	
4	EA	SPECIAL STILLING BASINS		60	M	***MM HDPE PIPE CULVERTS (1000MM)	
1,700	M	WATTLE		2.4	M	***MM HDPE PIPE CULVERTS (1200MM)	
1,344	KG	POLYACRYLAMIDE (PAM)		1,453.2	M	***MM HDPE PIPE CULVERTS (400MM)	
4,845	M	COIR FIBER BAFFLES		1,171.2	M	***MM HDPE PIPE CULVERTS (450MM)	
4	EA	***MM SKIMMER (102MM)		1,964.4	M	***MM HDPE PIPE CULVERTS (600MM)	
89	EA	***MM SKIMMER (38MM)		2,059.2	M	***MM HDPE PIPE CULVERTS (800MM)	
30	EA	***MM SKIMMER (51MM)		1,021.2	M	***MM HDPE PIPE CULVERTS (900MM)	
11	EA	***MM SKIMMER (64MM)					*** OR ***
5	EA	***MM SKIMMER (76MM)		4,264.8	M	375MM RC PIPE CULVERTS, CLASS III	
671.1	HA	SEEDING & MULCHING		1,108.8	M	450MM RC PIPE CULVERTS, CLASS III	
371	HA	MOWING		2,230.8	M	600MM RC PIPE CULVERTS, CLASS III	
7,975	KG	SEED FOR REPAIR SEEDING					
26.75	MTN	FERTILIZER FOR REPAIR SEEDING					
6,650	KG	SEED FOR SUPPLEMENTAL SEEDING					
396	MTN	FERTILIZER TOPDRESSING					
360	M	IMPERVIOUS DIKE					
1,014.5	HR	SPECIALIZED HAND MOWING					
216	EA	RESPONSE FOR EROSION CONTROL					
1,463	M3	CULVERT DIVERSION CHANNEL					
9	HA	REFORESTATION					
2,660	M	SIGNAL CABLE					
74	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)					
1	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)					
1	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)					
1,300	M	MESSENGER CABLE (9.52MM)					
950	M	TRACER WIRE					
15	M	PAVED TRENCHING (***** (1, 50MM)					
1,150	M	UNPAVED TRENCHING (***** (1, 50MM)					

1,129.2	M	750MM RC PIPE CULVERTS, CLASS III
218.4	M	900MM RC PIPE CULVERTS, CLASS III
174	M	1050MM RC PIPE CULVERTS, CLASS III
103.2	M	1200MM RC PIPE CULVERTS, CLASS III
60	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (1000MM, 2.01MM)
2.4	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (1200MM, 2.01MM)
1,453.2	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (400MM, 1.63MM)
1,171.2	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (450MM, 1.63MM)
1,964.4	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (600MM, 1.63MM)
2,059.2	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (800MM, 2.01MM)
1,021.2	M	****MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****MM THICK (900MM, 2.01MM)

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

**CULVERT ITEMS**

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (105+03.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (130+30.000-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+14.000-Y-REV)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (2+98.000-Y-RAMPA)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (46+47.000-L-)
1,141	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
1,753.5	M3	CLASS A CONCRETE (CULVERT)
140,447	KG	REINFORCING STEEL (CULVERT)
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM AT STA ***** (130+00.000-L-)

**WALL ITEMS**

5,327	M2	MSE RETAINING WALLS
2,636	M2	GENERIC RETAINING WALL ITEM MSE RETAINING WALLS, TWO STAGE
5,895	M2	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL
3,976.408	M2	GENERIC RETAINING WALL ITEM VISUAL BARRIER WALL

**STRUCTURE ITEMS**

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (118+17.500-L-WBL)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+72.000-FLYOVER-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (58+15.000-L-LT)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (77+44.00-L-LT)

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (58+35.000-CDR-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,102+62.953-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,146+39.081-L-EBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,146+39.081-L-WBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,66+01.153-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,66+01.153-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,66+11.952-CDR-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,77+44.00-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,77+44.00-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,146+39.081-L-EBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,146+39.081-L-WBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,146+39.081-L-EBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,146+39.081-L-WBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,63+66.830-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,146+39.081-L-EBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,146+39.081-L-WBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,63+66.830-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5,146+39.081-L-EBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5,146+39.081-L-WBL)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (5,63+66.830-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (6,63+66.830-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (7,63+66.830-L-)
18	EA	PDA TESTING
18	EA	PDA ASSISTANCE
43,816.1	M2	REINFORCED CONCRETE DECK SLAB
41,777	M2	GROOVING BRIDGE FLOORS
997.8	M3	CLASS AA CONCRETE (BRIDGE)
5,396.1	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (102+62.953-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (118+17.500-L-EBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (118+17.500-L-WBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (146+39.081-L-EBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (146+39.081-L-WBL)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+72.000-FLYOVER-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (41+33.963-RP1BD-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (41+41.155-COL2-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (56+05.973-CDR-)

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (58+15.000-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (58+15.000-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (58+35.000-CDR-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (63+66.830-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (66+01.153-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (66+01.153-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (66+11.952-CDR-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (77+44.00-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (77+44.00-L-RT)
599,365	KG	REINFORCING STEEL (BRIDGE)
41,360	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
3,950.624	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
3,375.02	M	MODIFIED 1829MM PRESTRESSED CONC GIRDERS
1,813,815	LS	APPROX ..... KG STRUCTURAL STEEL
21,908	M	HP310X79 STEEL PILES
11,936	M	HP310X79 GALVANIZED STEEL PILES
7,562.1	M	HP360X108 STEEL PILES
570	M	HP360X108 GALVANIZED STEEL PILES
754	EA	PILE REDRIVES
5,715.431	M	CONCRETE BARRIER RAIL
223.92	M	*** X ****MM CONCRETE PARAPET (305 X 457)
125.28	M	****MM CHAIN LINK FENCE (1829MM)
4,966	M2	100MM SLOPE PROTECTION
12,831	MTN	RIP RAP CLASS II (600MM THICK)
13,509	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
781.872	M	914MM X 533MM PRESTRESSED CONC CORED SLABS
Lump Sum	LS	GENERIC STRUCTURE ITEM APPROXIMATELY 1,018,000KG STRUCTURAL STEEL
Lump Sum	LS	GENERIC STRUCTURE ITEM APPROXIMATELY 1,044,800KG STRUCTURAL STEEL
Lump Sum	LS	GENERIC STRUCTURE ITEM APPROXIMATELY 1,542,000KG STRUCTURAL STEEL
1,282.311	M2	GENERIC STRUCTURE ITEM VISUAL BARRIER WALL ON STRUCTURE