



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

July 22, 2008

MEMORANDUM TO: All Prequalified Contractors

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

A handwritten signature in black ink, appearing to read "R. A. Garris".

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/sububsdefault.html>



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

November 20, 2007

Notice To: Prospective Bidders, Material Suppliers, and Subcontractors

From: R.A. Garris, P.E. *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  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

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

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

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

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



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

October 23, 2007

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

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

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

**Prospective Bidders**  
**Work Zone Traffic Control Qualifications and Training Program**  
**Page 2 of 2**

**Work Zone Traffic Control Installers**

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

**Work Zone Flaggers**

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

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

RAG/mmm

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

ELECTRONIC BIDS FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE PROJECT SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON SEPTEMBER 16, 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 AUGUST 19, 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** L080916

| <b>RPN</b> | <b>Contract Id</b> | <b>WBS</b>     | <b>County</b>    | <b>Length</b> | <b>JobType</b>   |
|------------|--------------------|----------------|------------------|---------------|--|
| 001        | C201851            | 33420.3.1      | CARTERET         | 0.194 MI      | GRADING, DRAINAGE, PAVING, & STRUCTURE.                      |
| 002        | C202018            | 41926.3.1      | JOHNSTON         | 0.000 MI      | BRIDGE JACKING, MILLING, GRADING, DRAINAGE, PAVING & GRDRAIL |
| 003        | C201925            | 33470.3.1      | FRANKLIN         | 0.180 MI      | GRADING, DRAINAGE, PAVING, AND CULVERT.                      |
| 004        | C201931            | 33825.3.1      | WARREN           | 0.170 MI      | GRADING, DRAINAGE, PAVING, AND STRUCTURE.                    |
| 005        | C202122            | 39976.3.1      | WAKE             | 29.000 MI     | SIGNING & GUARDRAIL.   |
| 006        | C202120            | 33396.3.1 ETC. | BLADEN, COLUMBUS | 0.459 MI      | GRADING, DRAINAGE, PAVING, AND STRUCTURES.                   |
| 007        | C201962            | 33439.3.1 ETC. | COLUMBUS         | 0.739 MI      | GRADING, DRAINAGE, PAVING, AND STRUCTURES.                   |
| 008        | C201906            | 41168.3.1      | BLADEN           | 1.622 MI      | WIDENING, GRADING, DRAINAGE, PAVING & SIGNING.               |
| 009        | C201768            | 33482.3.1      | GUILFORD         | 0.218 MI      | GRADING, DRAINAGE, PAVING & STRUCTURE.                       |
| *010       | C202131            | 36727.3.7 ETC. | RANDOLPH         | 6.000 MI      | BRIDGE CLEANING AND PAINTING.                                |
| 011        | C201932            | 34517.3.9      | ROWAN            | 3.366 MI      | GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURES.           |
| 012        | C201930            | 33815.3.1      | UNION            | 0.161 MI      | GRADING, DRAINAGE, PAVING, AND STRUCTURE.                    |
| 013        | C201922            | 33376.3.1      | ALLEGHANY        | 0.128 MI      | GRADING, DRAINAGE, PAVING & STRUCTURE.                       |
| 014        | C201900            | 34383.3.7      | LINCOLN, CATAWBA | 16.770 KM     | GRADING, DRAINAGE, PAVING, SIGNALS & SIGNING.                |
| 015        | C201902            | 34554.3.1      | IREDELL          | 3.846 MI      | GRADING, DRAINAGE, PAVING, CURB & GUTTER, SIGNALS & SIGNING. |
| 016        | C201926            | 33542.3.1      | MCDOWELL         | 0.161 MI      | GRADING, DRAINAGE, PAVING, AND CULVERT.                      |
| 017        | C201927            | 33600.3.1      | RUTHERFORD       | 0.241 MI      | GRADING, DRAINAGE, PAVING, AND STRUCTURE.                    |
| 018        | C201928            | 33605.3.1      | RUTHERFORD       | 0.133 MI      | GRADING, DRAINAGE, PAVING, AND STRUCTURE.                    |
| 019        | C201929            | 33805.3.1      | RUTHERFORD       | 0.218 MI      | GRADING, DRAINAGE, PAVING, AND CULVERT.                      |
| 020        | C201856            | 39972.3.3      | MCDOWELL         | 1.360 MI      | MILLING, RESURFACING & SHOULDER RECONSTRUCTION.              |
| 021        | C201858            | 35025.2.2      | HENDERSON        | 0.922 MI      | GRADING, DRAINAGE, PAVING & SIGNALS.                         |
| 022        | C201819            | 38068.3.1      | CHEROKEE         | 0.466 MI      | GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.             |
| 023        | C202105            | 42009.3.1      | JACKSON          | 1.110 MI      | GRADING, DRAINAGE, AND PAVING.                               |

|   |
|---|
| <p><b>*NOTE: MANDATORY PRE-BID CONFERENCE ON THURSDAY, SEPTEMBER 4, 2008 AT 10:00AM AT THE RANDOLPH CO. MAINTENANCE FACILITY, 126 DOT DRIVE, ASHEBORO, NC 27205 PHONE NO. (336) 625-1309.</b></p> |
|---|

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 001

CONTRACT ID : C201851 33420.3.1

DIV OFFICE GREENVILLE

LENGTH = 0.194 MI

COUNTY : CARTERET

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : MAY 01 2009

BRIDGE OVER A BRANCH OF NEWPORT RIVER AND APPROACHES ON SR-1124.

ROADWAY ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | MOBILIZATION  |
| Lump Sum | LS  | CONSTRUCTION SURVEYING  |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+72.00)     |
| Lump Sum | LS  | GRADING   |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUBBING                             |
| 200      | CY  | UNDERCUT EXCAVATION   |
| 5        | CY  | DRAINAGE DITCH EXCAVATION                                     |
| 500      | SY  | FABRIC FOR SOIL STABILIZATION                                 |
| 100      | CY  | GENERIC GRADING ITEM SELECT GRANULAR MATERIAL                 |
| 7        | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                  |
| 60       | LF  | 15" RC PIPE CULVERTS, CLASS III                               |
| 100      | TON | INCIDENTAL STONE BASE   |
| 753      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                         |
| 357      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A                      |
| 56       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                  |
| 16       | EA  | RIGHT OF WAY MARKERS  |
| 23       | CY  | SUBDRAIN EXCAVATION   |
| 17       | CY  | SUBDRAIN FINE AGGREGATE                                       |
| 100      | LF  | 6" PERFORATED SUBDRAIN PIPE                                   |
| 3        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                         |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                         |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)                                    |
| 2        | EA  | MASONRY DRAINAGE STRUCTURES                                   |
| 2        | EA  | FRAME WITH TWO GRATES, STD 840.29                             |
| 44       | LF  | SHOULDER BERM GUTTER  |
| 600      | LF  | STEEL BM GUARDRAIL  |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                                    |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                              |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                             |
| 8        | TON | RIP RAP, CLASS B  |
| 260      | SY  | FILTER FABRIC FOR DRAINAGE                                    |
| 354      | SF  | WORK ZONE SIGNS (STATIONARY)                                  |
| 119      | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                           |
| 80       | LF  | BARRICADES (TYPE III)   |
| 1,764    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)            |
| 1,764    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)           |
| 572      | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (3) |
| 13       | EA  | PERMANENT RAISED PAVEMENT MARKERS                             |
| 1,620    | LF  | TEMPORARY SILT FENCE  |
| 50       | TON | STONE FOR EROSION CONTROL, CLASS A                            |
| 40       | TON | STONE FOR EROSION CONTROL, CLASS B                            |
| 60       | TON | SEDIMENT CONTROL STONE  |
| 2.5      | ACR | TEMPORARY MULCHING  |
| 100      | LB  | SEED FOR TEMPORARY SEEDING                                    |
| 1.5      | TON | FERTILIZER FOR TEMPORARY SEEDING                              |
| 120      | LF  | TEMPORARY SLOPE DRAINS  |
| 4        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                    |
| 240      | LF  | SAFETY FENCE  |
| 85       | CY  | SILT EXCAVATION   |
| 290      | SY  | MATting FOR EROSION CONTROL                                   |
| 15       | SY  | COIR FIBER MAT  |

|      |     |                               |
|------|-----|-------------------------------|
| 220  | LF  | 1/4" HARDWARE CLOTH           |
| 90   | SY  | FLOATING TURBIDITY CURTAIN    |
| 60   | LF  | COIR FIBER BAFFLES            |
| 2    | EA  | *** SKIMMER (1-1/2")          |
| 3    | ACR | SEEDING & MULCHING            |
| 1.5  | ACR | MOWING                        |
| 50   | LB  | SEED FOR REPAIR SEEDING       |
| 0.25 | TON | FERTILIZER FOR REPAIR SEEDING |
| 75   | LB  | SEED FOR SUPPLEMENTAL SEEDING |
| 1.75 | TON | FERTILIZER TOPDRESSING        |
| 2    | HR  | SPECIALIZED HAND MOWING       |
| 12   | EA  | RESPONSE FOR EROSION CONTROL  |

STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+72.00 -L-)     |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+72.00 -L-) |
| 4,986    | SF  | CONCRETE WEARING SURFACE  |
| 6,109    | SF  | GROOVING BRIDGE FLOORS  |
| 62.5     | CY  | CLASS AA CONCRETE (BRIDGE)  |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION ***** (16+72.00 -L-)               |
| 10,090   | LB  | EPOXY COATED REINFORCING STEEL (BRIDGE)                           |
| 720      | LF  | 16" PRESTRESSED CONC PILES  |
| 400      | LF  | 20" PRESTRESSED CONC PILES  |
| 280.52   | LF  | CONCRETE BARRIER RAIL   |
| 205      | TON | RIP RAP, CLASS ** (I)   |
| 227      | SY  | FILTER FABRIC FOR DRAINAGE  |
| Lump Sum | LS  | ELASTOMERIC BEARINGS  |
| Lump Sum | LS  | EVAZOTE JOINT SEALS   |
| 1,820    | LF  | 3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS                          |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 002

CONTRACT ID : C202018 41926.3.1

DIV OFFICE WILSON

LENGTH = 0.000 MI

COUNTY : JOHNSTON

BRIDGE JACKING, MILLING, GRADING, DRAINAGE, PAVING & GRDRAIL

DBE GOAL 6.0% COMPLETION DATE : NOV 01 2009

BRIDGES #62, 67, 109 & 112 OVER I-95.

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION   |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (BRIDGE #109) |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (BRIDGE #112) |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (BRIDGE #62)  |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (BRIDGE #67)  |
| Lump Sum | LS  | GRADING  |
| 5,000    | CY  | BORROW EXCAVATION  |
| 200      | CY  | DRAINAGE DITCH EXCAVATION                                    |
| 100      | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                 |
| 800      | LF  | 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK           |
| 32       | EA  | 18" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK             |
| 100      | LF  | PIPE REMOVAL   |
| 100      | TON | INCIDENTAL STONE BASE  |
| 4,000    | SY  | MILLING ASPHALT PAVEMENT, *** DEPTH (0" TO 5")               |
| 3,300    | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                        |
| 700      | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                      |
| 185      | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                 |
| 16       | EA  | MASONRY DRAINAGE STRUCTURES                                  |
| 16       | EA  | FRAME WITH GRATE, STD 840.29                                 |
| 240      | LF  | SHOULDER BERM GUTTER   |
| 2,775    | LF  | STEEL BM GUARDRAIL   |
| 100      | LF  | STEEL BM GUARDRAIL, SHOP CURVED                              |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                                   |
| 16       | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                             |
| 16       | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                            |
| 3,692    | LF  | REMOVE EXISTING GUARDRAIL                                    |
| 400      | LF  | WOVEN WIRE FENCE RESET                                       |
| 32       | TON | RIP RAP, CLASS B   |
| 112      | SY  | FILTER FABRIC FOR DRAINAGE                                   |
| 2,250    | SF  | WORK ZONE SIGNS (STATIONARY)                                 |
| 400      | SF  | WORK ZONE SIGNS (PORTABLE)                                   |
| 620      | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                          |
| 2        | EA  | FLASHING ARROW PANELS, TYPE C                                |
| 4        | EA  | CHANGEABLE MESSAGE SIGN                                      |
| 350      | EA  | DRUMS  |
| 240      | LF  | BARRICADES (TYPE III)  |
| 140      | HR  | FLAGGER  |
| 2        | EA  | TMIA   |
| 8,400    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)           |
| 8,200    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)          |
| 190      | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)         |
| 2,100    | LF  | PAINT PAVEMENT MARKING LINES (4")                            |
| 61       | EA  | PERMANENT RAISED PAVEMENT MARKERS                            |
| 5,425    | LF  | TEMPORARY SILT FENCE   |
| 200      | TON | STONE FOR EROSION CONTROL, CLASS B                           |
| 100      | TON | SEDIMENT CONTROL STONE                                       |
| 1        | ACR | TEMPORARY MULCHING   |
| 800      | LF  | TEMPORARY SLOPE DRAINS                                       |
| 16       | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                   |

|       |     |                              |
|-------|-----|------------------------------|
| 100   | CY  | SILT EXCAVATION              |
| 8,500 | SY  | MATTING FOR EROSION CONTROL  |
| 300   | LF  | 1/4" HARDWARE CLOTH          |
| 2     | ACR | SEEDING & MULCHING           |
| 8     | EA  | RESPONSE FOR EROSION CONTROL |

STRUCTURE ITEMS

|          |    |  |
|----------|----|--|
| 98       | CY | CLASS A CONCRETE (BRIDGE)  |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (BRIDGE #109)                         |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (BRIDGE #112)                         |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (BRIDGE #62)                          |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (BRIDGE #67)                          |
| 19,742   | LB | REINFORCING STEEL (BRIDGE)   |
| 38,300   | LS | APPROX ..... LBS STRUCTURAL STEEL  |
| 100      | LF | EPOXY RESIN INJECTION  |
| 12       | SF | EPOXY MORTAR REPAIRS   |
| Lump Sum | LS | EVAZOTE JOINT SEALS  |
| Lump Sum | LS | GENERIC STRUCTURE ITEM BRIDGE JACKING (BRIDGE # 109)                       |
| Lump Sum | LS | GENERIC STRUCTURE ITEM BRIDGE JACKING (BRIDGE # 112)                       |
| Lump Sum | LS | GENERIC STRUCTURE ITEM BRIDGE JACKING (BRIDGE # 67)                        |
| Lump Sum | LS | GENERIC STRUCTURE ITEM BRIDGE JACKING (BRIDGE #62)                         |
| Lump Sum | LS | GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE (BRIDGE #109) |
| Lump Sum | LS | GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE (BRIDGE #112) |
| Lump Sum | LS | GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE (BRIDGE #62)  |
| Lump Sum | LS | GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE (BRIDGE #67)  |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 003

CONTRACT ID : C201925 33470.3.1

DIV OFFICE DURHAM

LENGTH = 0.180 MI

COUNTY : FRANKLIN

GRADING, DRAINAGE, PAVING, AND CULVERT.

DBE GOAL 7.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER SYCAMORE CREEK AND APPROACHES ON SR-1419.

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION                                       |
| Lump Sum | LS  | CONSTRUCTION SURVEYING                             |
| Lump Sum | LS  | GRADING  |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUB-BING                 |
| 500      | CY  | UNDERCUT EXCAVATION                                |
| 20       | CY  | DRAINAGE DITCH EXCAVATION                          |
| 500      | SY  | FABRIC FOR SOIL STABILIZATION                      |
| 1,300    | CY  | GENERIC GRADING ITEM                               |
|          |     | SELECT GRANULAR MATERIAL                           |
| 30       | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS       |
| 36       | LF  | 15" SIDE DRAIN PIPE                                |
| 56       | LF  | 60" RC PIPE CULVERTS, CLASS III                    |
| 100      | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK |
| 22       | LF  | PIPE REMOVAL                                       |
| 100      | TON | INCIDENTAL STONE BASE                              |
| 590      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B              |
| 320      | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B      |
| 380      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A           |
| 70       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22       |
| 12       | EA  | RIGHT OF WAY MARKERS                               |
| 22.4     | CY  | SUBDRAIN EXCAVATION                                |
| 16.8     | CY  | SUBDRAIN FINE AGGREGATE                            |
| 100      | LF  | 6" PERFORATED SUBDRAIN PIPE                        |
| 3        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS              |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET              |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)                         |
| 5.7      | CY  | REINFORCED ENDWALLS                                |
| 2        | EA  | MASONRY DRAINAGE STRUCTURES                        |
| 2.5      | LF  | MASONRY DRAINAGE STRUCTURES                        |
| 2        | EA  | FRAME WITH TWO GRATES, STD 840.29                  |
| 875      | LF  | SHOULDER BERM GUTTER                               |
| 1,000    | LF  | STEEL BM GUARDRAIL                                 |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                         |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                   |
| 820      | LF  | REMOVE EXISTING GUARDRAIL                          |
| 115      | TON | RIP RAP, CLASS I                                   |
| 125      | TON | RIP RAP, CLASS B                                   |
| 505      | SY  | FILTER FABRIC FOR DRAINAGE                         |
| 1        | EA  | PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON    |
| 437      | SF  | WORK ZONE SIGNS (STATIONARY)                       |
| 94       | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                |
| 64       | LF  | BARRICADES (TYPE III)                              |
| 166,400  | LF  | PAINT PAVEMENT MARKING LINES (4")                  |
| 79,400   | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")             |
| 24       | EA  | PERMANENT RAISED PAVEMENT MARKERS                  |
| 900      | LF  | TEMPORARY SILT FENCE                               |
| 150      | TON | STONE FOR EROSION CONTROL, CLASS A                 |
| 150      | TON | STONE FOR EROSION CONTROL, CLASS B                 |
| 230      | TON | SEDIMENT CONTROL STONE                             |
| 2        | ACR | TEMPORARY MULCHING                                 |
| 100      | LB  | SEED FOR TEMPORARY SEEDING                         |
| 0.25     | TON | FERTILIZER FOR TEMPORARY SEEDING                   |
| 125      | LF  | TEMPORARY SLOPE DRAINS                             |
| 4        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS         |

|       |     |                               |
|-------|-----|-------------------------------|
| 925   | LF  | SAFETY FENCE                  |
| 290   | CY  | SILT EXCAVATION               |
| 1,400 | SY  | MATTING FOR EROSION CONTROL   |
| 300   | LF  | 1/4" HARDWARE CLOTH           |
| 4     | EA  | SPECIAL STILLING BASINS       |
| 170   | LF  | COIR FIBER BAFFLES            |
| 2     | ACR | SEEDING & MULCHING            |
| 1.5   | ACR | MOWING                        |
| 50    | LB  | SEED FOR REPAIR SEEDING       |
| 0.25  | TON | FERTILIZER FOR REPAIR SEEDING |
| 50    | LB  | SEED FOR SUPPLEMENTAL SEEDING |
| 1.5   | TON | FERTILIZER TOPDRESSING        |
| 275   | LF  | IMPERVIOUS DIKE               |
| 2.5   | HR  | SPECIALIZED HAND MOWING       |
| 12    | EA  | RESPONSE FOR EROSION CONTROL  |
| 0.1   | ACR | REFORESTATION                 |

CULVERT ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (22+03.00-L-) |
| Lump Sum | LS  | CULVERT EXCAVATION, STA ***** (22+03.00-L-)                  |
| 146      | TON | FOUNDATION CONDITIONING MATERIAL, BOX CULVERT                |
| 281.7    | CY  | CLASS A CONCRETE (CULVERT)                                   |
| 44,050   | LB  | REINFORCING STEEL (CULVERT)                                  |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 004

CONTRACT ID : C201931 33825.3.1

DIV OFFICE DURHAM

LENGTH = 0.170 MI

COUNTY : WARREN

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER HAWTREE CREEK AND APPROACHES ON SR-1304.

ROADWAY ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | MOBILIZATION  |
| Lump Sum | LS  | CONSTRUCTION SURVEYING  |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (15+81.00)       |
| Lump Sum | LS  | GRADING   |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUBBING                               |
| 200      | CY  | UNDERCUT EXCAVATION   |
| 35       | CY  | DRAINAGE DITCH EXCAVATION                                       |
| 200      | CY  | SELECT GRANULAR MATERIAL  |
| 200      | SY  | FABRIC FOR SOIL STABILIZATION                                   |
| 5        | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                    |
| 40       | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK              |
| 4        | EA  | 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK                |
| 100      | TON | INCIDENTAL STONE BASE   |
| 418      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                           |
| 280      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A                        |
| 37       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                    |
| 20       | EA  | RIGHT OF WAY MARKERS  |
| 23       | CY  | SUBDRAIN EXCAVATION   |
| 17       | CY  | SUBDRAIN FINE AGGREGATE   |
| 100      | LF  | 6" PERFORATED SUBDRAIN PIPE                                     |
| 3        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                           |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                           |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)                                      |
| 2        | EA  | MASONRY DRAINAGE STRUCTURES                                     |
| 2        | EA  | FRAME WITH TWO GRATES, STD 840.29                               |
| 55       | LF  | SHOULDER BERM GUTTER  |
| 100      | LF  | STEEL BM GUARDRAIL  |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                                      |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                                |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                               |
| 295      | TON | RIP RAP, CLASS B  |
| 1,965    | SY  | FILTER FABRIC FOR DRAINAGE                                      |
| 16       | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                                  |
| 2        | EA  | SIGN ERECTION, TYPE E   |
| 9        | EA  | DISPOSAL OF SIGN SYSTEM, U-CHANNEL                              |
| 377      | SF  | WORK ZONE SIGNS (STATIONARY)                                    |
| 94       | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                             |
| 64       | LF  | BARRICADES (TYPE III)   |
| 1,630    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)              |
| 1,630    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)             |
| 340      | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III) |
| 20       | EA  | PERMANENT RAISED PAVEMENT MARKERS                               |
| 3,300    | LF  | TEMPORARY SILT FENCE  |
| 230      | TON | STONE FOR EROSION CONTROL, CLASS A                              |
| 240      | TON | STONE FOR EROSION CONTROL, CLASS B                              |
| 70       | TON | SEDIMENT CONTROL STONE  |
| 4.5      | ACR | TEMPORARY MULCHING  |
| 100      | LB  | SEED FOR TEMPORARY SEEDING                                      |
| 0.5      | TON | FERTILIZER FOR TEMPORARY SEEDING                                |
| 480      | LF  | TEMPORARY SLOPE DRAINS  |
| 4        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                      |

|       |     |                                  |
|-------|-----|----------------------------------|
| 250   | LF  | SAFETY FENCE                     |
| 400   | CY  | SILT EXCAVATION                  |
| 7,700 | SY  | MATTING FOR EROSION CONTROL      |
| 130   | SY  | PERMANENT SOIL REINFORCEMENT MAT |
| 40    | LF  | 1/4" HARDWARE CLOTH              |
| 200   | LF  | COIR FIBER BAFFLES               |
| 8     | ACR | SEEDING & MULCHING               |
| 2     | ACR | MOWING                           |
| 50    | LB  | SEED FOR REPAIR SEEDING          |
| 0.25  | TON | FERTILIZER FOR REPAIR SEEDING    |
| 100   | LB  | SEED FOR SUPPLEMENTAL SEEDING    |
| 2.5   | TON | FERTILIZER TOPDRESSING           |
| 5     | HR  | SPECIALIZED HAND MOWING          |
| 12    | EA  | RESPONSE FOR EROSION CONTROL     |

STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+81.00 -L-)     |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+81.00 -L-) |
| 2,508    | SF  | REINFORCED CONCRETE DECK SLAB                                     |
| 2,621    | SF  | GROOVING BRIDGE FLOORS  |
| 39.5     | CY  | CLASS A CONCRETE (BRIDGE)   |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION ***** (15+81.00 -L-)               |
| 5,859    | LB  | REINFORCING STEEL (BRIDGE)  |
| 83,900   | LS  | APPROX ..... LBS STRUCTURAL STEEL                                 |
| 280      | LF  | HP12X53 STEEL PILES   |
| 165.82   | LF  | CONCRETE BARRIER RAIL   |
| 293      | TON | RIP RAP CLASS II (2'-0" THICK)                                    |
| 425      | SY  | FILTER FABRIC FOR DRAINAGE  |
| Lump Sum | LS  | ELASTOMERIC BEARINGS  |
| Lump Sum | LS  | EVAZOTE JOINT SEALS   |

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

L080916 005

CONTRACT ID : C202122 39976.3.1

DIV OFFICE DURHAM

LENGTH = 29.000 MI

COUNTY : WAKE

SIGNING &amp; GUARDRAIL.

DBE GOAL 2.0% COMPLETION DATE : NOV 01 2009

I-40 FROM SR-1728(WADE AVE) TO E OF I-440/US-64(MP 302) AND I-440, US-1/64 AT I-40 TO I-40 NEAR SR-2544(SUNNYBROOK RD).

| ROADWAY ITEMS |    |     |    |   |
|---------------|----|-----|----|---|
|               |    | 460 | LF | PORTABLE CONCRETE BARRIER                                     |
|               |    | 960 | HR | POLICE  |
|               |    | 800 | LF | UNPAVED TRENCHING (*****)<br>(2-2" PVC)                       |
|               |    | 60  | LF | DIRECTIONAL DRILL (*****)<br>(2-2" PVC)                       |
|               |    | 1   | EA | GENERIC SIGNAL ITEM<br>MODIFIED ELECTRICAL SERVICE            |
| Lump Sum      | LS |     |    | GENERIC SIGNAL ITEM<br>DMS                                    |
| Lump Sum      | LS |     |    | GENERIC SIGNAL ITEM<br>DMS-1 ACCESS LADDER                    |
| Lump Sum      | LS |     |    | GENERIC SIGNAL ITEM<br>DMS-1 STRUCTURE                        |
|               |    | 12  | CY | GENERIC SIGNAL ITEM<br>FOOTINGS FOR DMS-1 STRUCTURE           |
| Lump Sum      | LS |     |    | MOBILIZATION  |
| 120           | SF |     |    | TEMPORARY SHORING   |
| 1,250         | LF |     |    | STEEL BM GUARDRAIL  |
| 5             | EA |     |    | ADDITIONAL GUARDRAIL POSTS                                    |
| 5             | EA |     |    | GUARDRAIL ANCHOR UNITS, TYPE<br>CAT-1                         |
| 5             | EA |     |    | GUARDRAIL ANCHOR UNITS, TYPE<br>350                           |
| 4             | EA |     |    | GUARDRAIL ANCHOR UNITS, TYPE<br>M-350                         |
| 75            | LF |     |    | REMOVE EXISTING GUARDRAIL                                     |
| 17            | CY |     |    | REINFORCED CONCRETE SIGN FOUN-<br>DATIONS                     |
| 60            | CY |     |    | OVERHEAD FOOTING  |
| 16,318        | LB |     |    | SUPPORTS, BREAKAWAY STEEL BEAM                                |
| 3,595         | LF |     |    | SUPPORTS, 3-LB STEEL U-CHANNEL                                |
| Lump Sum      | LS |     |    | SUPPORTS, OVERHEAD SIGN STRUC-<br>TURE AT STA *****<br>(A)    |
| Lump Sum      | LS |     |    | SUPPORTS, OVERHEAD SIGN STRUC-<br>TURE AT STA *****<br>(B)    |
| Lump Sum      | LS |     |    | SUPPORTS, OVERHEAD SIGN STRUC-<br>TURE AT STA *****<br>(C)    |
| Lump Sum      | LS |     |    | SUPPORTS, OVERHEAD SIGN STRUC-<br>TURE AT STA *****<br>(D)    |
| Lump Sum      | LS |     |    | SUPPORTS, OVERHEAD SIGN STRUC-<br>TURE AT STA *****<br>(E)    |
| 21            | EA |     |    | SIGN ERECTION, TYPE D   |
| 2             | EA |     |    | SIGN ERECTION, TYPE E   |
| 122           | EA |     |    | SIGN ERECTION, TYPE F   |
| 30            | EA |     |    | SIGN ERECTION, TYPE *** (OVER-<br>HEAD)<br>(A)                |
| 26            | EA |     |    | SIGN ERECTION, TYPE *** (OVER-<br>HEAD)<br>(B)                |
| 40            | EA |     |    | SIGN ERECTION, TYPE ***<br>(GROUND MOUNTED)<br>(A)            |
| 15            | EA |     |    | SIGN ERECTION, TYPE ***<br>(GROUND MOUNTED)<br>(B)            |
| 29            | EA |     |    | SIGN ERECTION, OVERLAY (OVER-<br>HEAD)                        |
| 11            | EA |     |    | SIGN ERECTION, OVERLAY (GROUND<br>MOUNTED)                    |
| 2             | EA |     |    | SIGN ERECTION, RELOCATE, TYPE<br>**** (GROUND MOUNTED)<br>(D) |
| 5             | EA |     |    | DISPOSAL OF SIGN SYSTEM, OVER-<br>HEAD                        |
| 6             | EA |     |    | DISPOSAL OF SIGN SYSTEM, STEEL<br>BEAM                        |
| 181           | EA |     |    | DISPOSAL OF SIGN SYSTEM, U-<br>CHANNEL                        |
| 10            | EA |     |    | DISPOSAL OF SIGN SYSTEM, WOOD                                 |
| 2             | EA |     |    | DISPOSAL OF SUPPORT, U-CHANNEL                                |
| 49            | EA |     |    | DISPOSAL OF SIGN, A OR B<br>(OVERHEAD)                        |
| 28            | EA |     |    | DISPOSAL OF SIGN, A OR B<br>(GROUND MOUNTED)                  |
| 5             | EA |     |    | DISPOSAL OF SIGN, D, E OR F                                   |
| 2             | EA |     |    | DISPOSAL OF SIGN, OVERLAY<br>(OVERHEAD)                       |
| 756           | SF |     |    | WORK ZONE SIGNS (PORTABLE)                                    |
| 20            | SF |     |    | WORK ZONE SIGNS (BARRICADE<br>MOUNTED)                        |
| 10            | EA |     |    | FLASHING ARROW PANELS, TYPE C                                 |
| 16            | EA |     |    | CHANGEABLE MESSAGE SIGN                                       |
| 380           | EA |     |    | DRUMS   |
| 30            | LF |     |    | BARRICADES (TYPE III)   |
| 2             | EA |     |    | TEMPORARY CRASH CUSHIONS                                      |
| 4             | EA |     |    | TMIA  |

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

L080916 006

CONTRACT ID : C202120 33396.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 0.459 MI

COUNTY : BLADEN, COLUMBUS

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2009

BRIDGE OVER DIVERSION CANAL ON NC-210 &amp; BRIDGES OVER DAN'S CREEK ON SR-1843.

| ROADWAY ITEMS |     |   |        |     |   |
|---------------|-----|---|--------|-----|---|
|               |     |   | 5      | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                                |
|               |     |   | 8      | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                               |
| Lump Sum      | LS  | MOBILIZATION  | 325    | LF  | TEMPORARY STEEL BM GUARDRAIL                                    |
| Lump Sum      | LS  | CONSTRUCTION SURVEYING                                    | 100    | LF  | TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)                      |
| 500           | SY  | GENERIC MISCELLANEOUS ITEM ROCK PLATING                   | 2      | EA  | GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)             |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+95.00) | 2      | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY                      |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (15+40.50) | 35     | TON | RIP RAP, CLASS B  |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+56.00) | 755    | SY  | FILTER FABRIC FOR DRAINAGE                                      |
| Lump Sum      | LS  | GRADING   | 1      | EA  | PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON                 |
| Lump Sum      | LS  | SUPPLEMENTARY CLEARING & GRUBBING                         | 16     | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                                  |
| 2             | ACR |   | 2      | EA  | SIGN ERECTION, TYPE E   |
| 1,200         | CY  | UNDERCUT EXCAVATION                                       | 13     | EA  | DISPOSAL OF SIGN SYSTEM, U-CHANNEL                              |
| 10            | CY  | DRAINAGE DITCH EXCAVATION                                 | 495    | SF  | WORK ZONE SIGNS (STATIONARY)                                    |
| 300           | CY  | SELECT GRANULAR MATERIAL                                  | 96     | SF  | WORK ZONE SIGNS (PORTABLE)                                      |
| 100           | SY  | FABRIC FOR SOIL STABILIZATION                             | 205    | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                             |
| 49            | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS              | 35     | EA  | DRUMS   |
| 24            | LF  | 18" SIDE DRAIN PIPE                                       | 10     | EA  | CONES   |
| 60            | LF  | 15" RC PIPE CULVERTS, CLASS III                           | 272    | LF  | BARRICADES (TYPE III)   |
| 64            | LF  | 42" RC PIPE CULVERTS, CLASS III                           | 530    | HR  | FLAGGER   |
| 112           | LF  | *** CS PIPE CULVERTS, ***** THICK (72", 0.138")           | 1      | EA  | TMIA  |
| 124           | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK        | 48     | LF  | WATER FILLED BARRIER  |
| 64            | LF  | 42" BIT COAT CS PIPE CULVERTS, TYPE B 0.109" THICK        | 20     | EA  | SKINNY DRUM   |
| 4             | EA  | 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK          | 40     | EA  | TEMPORARY RAISED PAVEMENT MARKERS                               |
| 297           | LF  | PIPE REMOVAL  | 3,220  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)              |
| 2,051         | TON | AGGREGATE BASE COURSE                                     | 3,220  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)             |
| 200           | TON | INCIDENTAL STONE BASE                                     | 400    | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III) |
| 1,210         | GAL | PRIME COAT  | 35,720 | LF  | PAINT PAVEMENT MARKING LINES (4")                               |
| 440           | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                     | 3,300  | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")                          |
| 300           | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B             | 32     | EA  | PERMANENT RAISED PAVEMENT MARKERS                               |
| 800           | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                   | 5,100  | LF  | TEMPORARY SILT FENCE  |
| 435           | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A                  | 100    | TON | STONE FOR EROSION CONTROL, CLASS A                              |
| 115           | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22              | 445    | TON | STONE FOR EROSION CONTROL, CLASS B                              |
| 100           | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR                        | 260    | TON | SEDIMENT CONTROL STONE  |
| 8             | EA  | RIGHT OF WAY MARKERS                                      | 4      | ACR | TEMPORARY MULCHING  |
| 46            | CY  | SUBDRAIN EXCAVATION                                       | 150    | LB  | SEED FOR TEMPORARY SEEDING                                      |
| 34            | CY  | SUBDRAIN FINE AGGREGATE                                   | 0.75   | TON | FERTILIZER FOR TEMPORARY SEEDING                                |
| 200           | LF  | 6" PERFORATED SUBDRAIN PIPE                               | 100    | LF  | TEMPORARY SLOPE DRAINS  |
| 6             | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                     | 4      | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                      |
| 2             | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                     | 1,500  | LF  | SAFETY FENCE  |
| 12            | LF  | 6" OUTLET PIPE (SUBDRAINS)                                | 780    | CY  | SILT EXCAVATION   |
| 300           | SF  | SANDBAG HEADWALL  | 1,460  | SY  | MATTING FOR EROSION CONTROL                                     |
| 9.8           | CY  | REINFORCED ENDWALLS                                       | 450    | LF  | 1/4" HARDWARE CLOTH   |
| 5             | EA  | MASONRY DRAINAGE STRUCTURES                               | 50     | SY  | FLOATING TURBIDITY CURTAIN                                      |
| 1             | EA  | FRAME WITH GRATE, STD 840.29                              | 320    | LF  | COIR FIBER BAFFLES  |
| 4             | EA  | FRAME WITH TWO GRATES, STD 840.***** (840.29)             | 4      | ACR | SEEDING & MULCHING  |
| 25            | LF  | ***X *** CONCRETE CURB (6" x 8")                          | 3      | ACR | MOWING  |
| 111           | LF  | SHOULDER BERM GUTTER                                      | 100    | LB  | SEED FOR REPAIR SEEDING   |
| 712.5         | LF  | STEEL BM GUARDRAIL  | 0.5    | TON | FERTILIZER FOR REPAIR SEEDING                                   |
| 150           | LF  | STEEL BM GUARDRAIL, SHOP CURVED                           | 125    | LB  | SEED FOR SUPPLEMENTAL SEEDING                                   |
| 10            | EA  | ADDITIONAL GUARDRAIL POSTS                                | 3      | TON | FERTILIZER TOPDRESSING  |
| 3             | EA  | GUARDRAIL ANCHOR UNITS, TYPE AT-1                         | 4.5    | HR  | SPECIALIZED HAND MOWING   |
|               |     |   | 39     | EA  | RESPONSE FOR EROSION CONTROL                                    |
|               |     |   | 1      | ACR | REFORESTATION   |

## STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION *****<br>(14+95.00-L-)     |
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION *****<br>(15+40.50-L-)     |
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION *****<br>(16+56.00-L-)     |
| 3        | EA  | PDA ASSISTANCE  |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION *****<br>(14+95.00-L-) |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION *****<br>(15+40.50-L-) |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION *****<br>(16+56.00-L-) |
| 75.9     | CY  | CLASS AA CONCRETE (BRIDGE)  |
| 111.7    | CY  | CLASS A CONCRETE (BRIDGE)   |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION *****<br>(14+95.00-L-)               |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION *****<br>(15+40.50-L-)               |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION *****<br>(16+56.00-L-)               |
| 28,550   | LB  | REINFORCING STEEL (BRIDGE)  |
| 1,088    | LB  | EPOXY COATED REINFORCING STEEL (BRIDGE)                             |
| 1,855    | LF  | HP12X53 STEEL PILES   |
| 875      | LF  | HP12X53 GALVANIZED STEEL PILES                                      |
| 42       | EA  | PILE REDRIVES   |
| 450      | SF  | *** STEEL SHEET PILES<br>(19.69)                                    |
| 1,525    | SF  | *** STEEL SHEET PILES<br>(22)                                       |
| 522.63   | LF  | CONCRETE BARRIER RAIL   |
| 92       | TON | RIP RAP, CLASS **<br>(I)  |
| 232      | TON | RIP RAP CLASS II (2'-0" THICK)                                      |
| 404      | SY  | FILTER FABRIC FOR DRAINAGE  |
| Lump Sum | LS  | ELASTOMERIC BEARINGS  |
| 4        | TON | SELECT MATERIAL, CLASS **<br>(VI)                                   |
| 2,940    | LF  | 3'-0" X 1'-9" PRESTRESSED CONC<br>CORED SLABS                       |



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 007

CONTRACT ID : C201962 33439.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 0.739 MI

COUNTY : COLUMBUS

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2009

BRIDGES OVER WACCAMAW RIVER OVERFLOW AND APPROACHES ON NC-130.

| ROADWAY ITEMS |     |   | STRUCTURE ITEMS |     |  |
|---------------|-----|---|-----------------|-----|--|
|               |     |   | 7,808           | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)                                 |
|               |     |   | 7,808           | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)                                |
| Lump Sum      | LS  | MOBILIZATION  | 53,316          | LF  | PAINT PAVEMENT MARKING LINES (4")  |
| Lump Sum      | LS  | CONSTRUCTION SURVEYING                                    | 53              | EA  | PERMANENT RAISED PAVEMENT MARKERS  |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (15+53.00) | 7,970           | LF  | TEMPORARY SILT FENCE   |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (31+65.00) | 120             | TON | STONE FOR EROSION CONTROL, CLASS A   |
| 1             | ACR | SUPPLEMENTARY CLEARING & GRUB-BING                        | 395             | TON | STONE FOR EROSION CONTROL, CLASS B   |
| 500           | CY  | UNDERCUT EXCAVATION                                       | 220             | TON | SEDIMENT CONTROL STONE   |
| Lump Sum      | LS  | GRADING   | 8               | ACR | TEMPORARY MULCHING   |
| 46,900        | CY  | BORROW EXCAVATION   | 350             | LB  | SEED FOR TEMPORARY SEEDING   |
| 4,800         | CY  | SELECT GRANULAR MATERIAL                                  | 1.5             | TON | FERTILIZER FOR TEMPORARY SEEDING   |
| 10,900        | SY  | FABRIC FOR SOIL STABILIZATION                             | 160             | LF  | TEMPORARY SLOPE DRAINS   |
| 50            | SY  | GENERIC GRADING ITEM ROCK PLATING                         | 6               | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS   |
| 18            | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS              | 3,670           | LF  | SAFETY FENCE   |
| 32            | LF  | 15" RC PIPE CULVERTS, CLASS III                           | 600             | CY  | SILT EXCAVATION  |
| 72            | LF  | 18" CS PIPE CULVERTS, 0.064" THICK                        | 2,800           | SY  | MATTING FOR EROSION CONTROL  |
| 24            | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK        | 305             | LF  | 1/4" HARDWARE CLOTH  |
| 2             | EA  | 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK          | 2               | EA  | SPECIAL STILLING BASINS  |
| 72            | LF  | PIPE REMOVAL  | 145             | LF  | WATTLE   |
| 3,918         | TON | AGGREGATE BASE COURSE                                     | 36              | LB  | POLYACRYLAMIDE (PAM)   |
| 633           | GAL | PRIME COAT  | 160             | LF  | COIR FIBER BAFFLES   |
| 620           | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                     | 15.1            | ACR | SEEDING & MULCHING   |
| 365           | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B             | 7               | ACR | MOWING   |
| 2,940         | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                   | 100             | LB  | SEED FOR REPAIR SEEDING  |
| 225           | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22              | 0.5             | TON | FERTILIZER FOR REPAIR SEEDING  |
| 45            | CY  | SUBDRAIN EXCAVATION                                       | 275             | LB  | SEED FOR SUPPLEMENTAL SEEDING  |
| 34            | CY  | SUBDRAIN FINE AGGREGATE                                   | 8.25            | TON | FERTILIZER TOPDRESSING   |
| 200           | LF  | 6" PERFORATED SUBDRAIN PIPE                               | 7.5             | HR  | SPECIALIZED HAND MOWING  |
| 6             | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                     | 39              | EA  | RESPONSE FOR EROSION CONTROL   |
| 2             | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                     | 1               | ACR | REFORESTATION  |
| 12            | LF  | 6" OUTLET PIPE (SUBDRAINS)                                |                 |     |  |
| 3             | EA  | MASONRY DRAINAGE STRUCTURES                               |                 |     |  |
| 3             | EA  | FRAME WITH TWO GRATES, STD 840.29                         |                 |     |  |
| 88.5          | LF  | SHOULDER BERM GUTTER                                      |                 |     |  |
| 1,200         | LF  | STEEL BM GUARDRAIL  |                 |     |  |
| 10            | EA  | ADDITIONAL GUARDRAIL POSTS                                |                 |     |  |
| 8             | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                          |                 |     |  |
| 8             | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                         |                 |     |  |
| 881.25        | LF  | TEMPORARY STEEL BM GUARDRAIL                              |                 |     |  |
| 9             | EA  | GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (III)        |                 |     |  |
| 10            | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY                |                 |     |  |
| 3             | TON | RIP RAP, CLASS B  |                 |     |  |
| 525           | SY  | FILTER FABRIC FOR DRAINAGE                                |                 |     |  |
| 152           | SF  | WORK ZONE SIGNS (STATIONARY)                              |                 |     |  |
| 192           | SF  | WORK ZONE SIGNS (PORTABLE)                                |                 |     |  |
| 72            | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                       |                 |     |  |
| 188           | EA  | DRUMS   |                 |     |  |
| 77            | EA  | CONES   |                 |     |  |
| 64            | LF  | BARRICADES (TYPE III)                                     |                 |     |  |
| 80            | MD  | FLAGGER   |                 |     |  |
| 1             | EA  | TEMPORARY CRASH CUSHIONS                                  |                 |     |  |
| 343           | EA  | TEMPORARY RAISED PAVEMENT MARKERS                         |                 |     |  |
|               |     |   | Lump Sum        | LS  | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (15+53.00-L-)  |
|               |     |   | Lump Sum        | LS  | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (31+65.00 -L-) |
|               |     |   | Lump Sum        | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+53.00-L-)                       |
|               |     |   | Lump Sum        | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (31+65.00 -L-)                      |
|               |     |   | 1               | EA  | PDA ASSISTANCE   |
|               |     |   | 568             | CY  | UNCLASSIFIED STRUCTURE EXCAVATION  |
|               |     |   | Lump Sum        | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (31+65.00 -L-)                  |
|               |     |   | 3,826           | SF  | REINFORCED CONCRETE DECK SLAB  |
|               |     |   | 5,022           | SF  | CONCRETE WEARING SURFACE   |
|               |     |   | 10,421          | SF  | GROOVING BRIDGE FLOORS   |
|               |     |   | 115.1           | CY  | CLASS A CONCRETE (BRIDGE)  |
|               |     |   | Lump Sum        | LS  | BRIDGE APPROACH SLABS, STATION ***** (15+53.00-L-)                                 |
|               |     |   | Lump Sum        | LS  | BRIDGE APPROACH SLABS, STATION ***** (31+65.00 -L-)                                |
|               |     |   | 18,828          | LB  | REINFORCING STEEL (BRIDGE)   |
|               |     |   | 440.78          | LF  | 54" PRESTRESSED CONCRETE GIRDERS   |
|               |     |   | 1,715           | LF  | HP12X53 STEEL PILES  |
|               |     |   | 810             | LF  | HP12X53 GALVANIZED STEEL PILES   |
|               |     |   | 8               | EA  | PILE REDRIVES  |

|          |     |   |
|----------|-----|---|
| 1,473    | SF  | *** STEEL SHEET PILES<br>(22")                |
| 440.75   | LF  | CONCRETE BARRIER RAIL                         |
| 675      | TON | RIP RAP CLASS II (2'-0" THICK)                |
| 747      | SY  | FILTER FABRIC FOR DRAINAGE                    |
| Lump Sum | LS  | ELASTOMERIC BEARINGS                          |
| Lump Sum | LS  | EVAZOTE JOINT SEALS                           |
| 1,820    | LF  | 3'-0" X 1'-9" PRESTRESSED CONC<br>CORED SLABS |

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

L080916 008

CONTRACT ID : C201906 41168.3.1

DIV OFFICE FAYETTEVILLE

LENGTH = 1.622 MI

COUNTY : BLADEN

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

DBE GOAL 7.0% COMPLETION DATE : AUG 01 2009

NC-87 BYPASS AT THE INTERSECTION OF SR-1700 (MERCER MILL RD) AND SR-1145 (MARTIN LUTHER KING DR).

| ROADWAY ITEMS |     |   |        |     |   |
|---------------|-----|---|--------|-----|---|
|               |     |   | 2      | EA  | TMIA  |
|               |     |   | 21,088 | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)  |
|               |     |   | 8,588  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS) |
|               |     |   | 107    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS) |
|               |     |   | 38     | EA  | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)     |
|               |     |   | 13,550 | LF  | PAINT PAVEMENT MARKING LINES (4")                   |
|               |     |   | 37     | EA  | PAINT PAVEMENT MARKING SYMBOL                       |
|               |     |   | 275    | EA  | PERMANENT RAISED PAVEMENT MARKERS                   |
|               |     |   | 3,900  | LF  | TEMPORARY SILT FENCE                                |
|               |     |   | 125    | TON | STONE FOR EROSION CONTROL, CLASS A                  |
|               |     |   | 390    | TON | STONE FOR EROSION CONTROL, CLASS B                  |
|               |     |   | 200    | TON | SEDIMENT CONTROL STONE                              |
|               |     |   | 490    | LF  | SAFETY FENCE  |
|               |     |   | 4,900  | CY  | SILT EXCAVATION                                     |
|               |     |   | 4,955  | SY  | MATTING FOR EROSION CONTROL                         |
|               |     |   | 693    | SY  | PERMANENT SOIL REINFORCEMENT MAT                    |
|               |     |   | 245    | LF  | 1/4" HARDWARE CLOTH                                 |
|               |     |   | 460    | LF  | COIR FIBER BAFFLES                                  |
|               |     |   | 6      | ACR | SEEDING & MULCHING                                  |
|               |     |   | 6      | ACR | MOWING  |
|               |     |   | 300    | LB  | SEED FOR REPAIR SEEDING                             |
|               |     |   | 0.5    | TON | FERTILIZER FOR REPAIR SEEDING                       |
|               |     |   | 900    | LB  | SEED FOR SUPPLEMENTAL SEEDING                       |
|               |     |   | 25     | TON | FERTILIZER TOPDRESSING                              |
|               |     |   | 8      | EA  | RESPONSE FOR EROSION CONTROL                        |
| Lump Sum      | LS  | MOBILIZATION                                  |        |     |   |
| 23,200        | CY  | UNCLASSIFIED EXCAVATION                       |        |     |   |
| 1             | ACR | SUPPLEMENTARY CLEARING & GRUBBING             |        |     |   |
| Lump Sum      | LS  | GRADING                                       |        |     |   |
| 110           | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS  |        |     |   |
| 176           | LF  | 15" SIDE DRAIN PIPE                           |        |     |   |
| 172           | LF  | 15" RC PIPE CULVERTS, CLASS III               |        |     |   |
| 408           | LF  | 18" RC PIPE CULVERTS, CLASS III               |        |     |   |
| 204           | LF  | 24" RC PIPE CULVERTS, CLASS III               |        |     |   |
| 16            | LF  | 30" RC PIPE CULVERTS, CLASS III               |        |     |   |
| 100           | LF  | 48" RC PIPE CULVERTS, CLASS III               |        |     |   |
| 30            | LF  | PIPE REMOVAL                                  |        |     |   |
| 16            | TON | INCIDENTAL STONE BASE                         |        |     |   |
| 300           | SY  | INCIDENTAL MILLING                            |        |     |   |
| 2,900         | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B         |        |     |   |
| 1,340         | TON | ASPHALT CONC BASE COURSE, TYPE B25.0C         |        |     |   |
| 1,740         | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B |        |     |   |
| 810           | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C |        |     |   |
| 1,280         | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B       |        |     |   |
| 2,950         | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5C       |        |     |   |
| 380           | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22  |        |     |   |
| 180           | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22  |        |     |   |
| 100           | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR            |        |     |   |
| 6             | CY  | ENDWALLS                                      |        |     |   |
| 0.6           | CY  | PIPE COLLARS                                  |        |     |   |
| 4             | EA  | MASONRY DRAINAGE STRUCTURES                   |        |     |   |
| 15.3          | LF  | MASONRY DRAINAGE STRUCTURES                   |        |     |   |
| 3             | EA  | FRAME WITH TWO GRATES, STD 840.22             |        |     |   |
| 290           | SY  | 6" CONCRETE DRIVEWAY                          |        |     |   |
| 1,930         | SY  | 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)     |        |     |   |
| 1,270         | LF  | WOVEN WIRE FENCE, 47" FABRIC                  |        |     |   |
| 80            | EA  | 4" TIMBER FENCE POSTS, 7'-6" LONG             |        |     |   |
| 30            | EA  | 5" TIMBER FENCE POSTS, 8'-0" LONG             |        |     |   |
| 435           | TON | RIP RAP, CLASS I                              |        |     |   |
| 22            | TON | RIP RAP, CLASS II                             |        |     |   |
| 25            | TON | RIP RAP, CLASS B                              |        |     |   |
| 470           | SY  | FILTER FABRIC FOR DRAINAGE                    |        |     |   |
| 263           | SF  | CONTRACTOR FURNISHED, TYPE *** SIGN (E)       |        |     |   |
| 156           | SF  | CONTRACTOR FURNISHED, TYPE *** SIGN (F)       |        |     |   |
| 924           | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                |        |     |   |
| 43            | EA  | SIGN ERECTION, TYPE E                         |        |     |   |
| 12            | EA  | SIGN ERECTION, TYPE F                         |        |     |   |
| 80            | SF  | WORK ZONE SIGNS (STATIONARY)                  |        |     |   |
| 396           | SF  | WORK ZONE SIGNS (PORTABLE)                    |        |     |   |
| 80            | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)           |        |     |   |
| 2             | EA  | FLASHING ARROW PANELS, TYPE C                 |        |     |   |
| 2             | EA  | CHANGEABLE MESSAGE SIGN                       |        |     |   |
| 296           | EA  | DRUMS   |        |     |   |
| 35            | EA  | CONES   |        |     |   |
| 160           | LF  | BARRICADES (TYPE III)                         |        |     |   |
| 192           | HR  | FLAGGER                                       |        |     |   |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 009

CONTRACT ID : C201768 33482.3.1

DIV OFFICE GREENSBORO

LENGTH = 0.218 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2010

BRIDGE OVER LITTLE ALAMANCE CREEK & APPROACHES ON SR-3000.

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION   |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+89.500)       |
| Lump Sum | LS  | GRADING  |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUBBING                                |
| 500      | CY  | UNDERCUT EXCAVATION  |
| 60       | CY  | DRAINAGE DITCH EXCAVATION  |
| 500      | CY  | SELECT GRANULAR MATERIAL   |
| 500      | SY  | FABRIC FOR SOIL STABILIZATION                                    |
| 360      | SF  | TEMPORARY SHORING  |
| 40       | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                     |
| 28       | LF  | 15" SIDE DRAIN PIPE  |
| 36       | LF  | 15" RC PIPE CULVERTS, CLASS III                                  |
| 100      | LF  | 18" RC PIPE CULVERTS, CLASS III                                  |
| 84       | LF  | 30" RC PIPE CULVERTS, CLASS III                                  |
| 72       | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK               |
| 4        | EA  | 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK                 |
| 231      | LF  | PIPE REMOVAL   |
| 82       | TON | AGGREGATE BASE COURSE  |
| 200      | TON | INCIDENTAL STONE BASE  |
| 100      | SY  | INCIDENTAL MILLING   |
| 1,200    | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                            |
| 700      | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B                    |
| 900      | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                          |
| 30       | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A                         |
| 141      | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                     |
| 27       | EA  | RIGHT OF WAY MARKERS   |
| 3        | EA  | MASONRY DRAINAGE STRUCTURES                                      |
| 1        | EA  | FRAME WITH TWO GRATES, STD 840.24                                |
| 2        | EA  | FRAME WITH TWO GRATES, STD 840.29                                |
| 86       | LF  | SHOULDER BERM GUTTER   |
| 237.5    | LF  | GENERIC GUARDRAIL ITEM PAINTED STEEL BM GUARDRAIL                |
| 100      | LF  | GENERIC GUARDRAIL ITEM PAINTED STEEL BM GUARDRAIL, SHOP CURVED   |
| 5        | EA  | GENERIC GUARDRAIL ITEM PAINTED ADDITIONAL GUARDRAIL POSTS        |
| 3        | EA  | GENERIC GUARDRAIL ITEM PAINTED GUARDRAIL ANCHOR UNITS, TYPE 350  |
| 1        | EA  | GENERIC GUARDRAIL ITEM PAINTED GUARDRAIL ANCHOR UNITS, TYPE AT-1 |
| 4        | EA  | GENERIC GUARDRAIL ITEM PAINTED GUARDRAIL ANCHOR UNITS, TYPE III  |
| 40       | TON | RIP RAP, CLASS I   |
| 100      | TON | RIP RAP, CLASS B   |
| 1,145    | SY  | FILTER FABRIC FOR DRAINAGE                                       |
| 181      | SF  | WORK ZONE SIGNS (STATIONARY)                                     |
| 144      | SF  | WORK ZONE SIGNS (PORTABLE)                                       |
| 97       | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                              |
| 56       | EA  | DRUMS  |
| 80       | LF  | BARRICADES (TYPE III)  |
| 640      | HR  | FLAGGER  |
| 1        | EA  | TEMPORARY CRASH CUSHIONS   |
| 1        | EA  | RESET TEMPORARY CRASH CUSHIONS                                   |
| 200      | LF  | PORTABLE CONCRETE BARRIER  |

|        |     |                                    |
|--------|-----|------------------------------------|
| 100    | LF  | RESET PORTABLE CONCRETE BARRIER    |
| 85     | EA  | TEMPORARY RAISED PAVEMENT MARKERS  |
| 32,844 | LF  | PAINT PAVEMENT MARKING LINES (4")  |
| 86     | LF  | PAINT PAVEMENT MARKING LINES (8")  |
| 248    | LF  | PAINT PAVEMENT MARKING LINES (24") |
| 2      | EA  | PAINT PAVEMENT MARKING SYMBOL      |
| 45     | EA  | PERMANENT RAISED PAVEMENT MARKERS  |
| 730    | LF  | TEMPORARY SILT FENCE               |
| 190    | TON | STONE FOR EROSION CONTROL, CLASS A |
| 255    | TON | STONE FOR EROSION CONTROL, CLASS B |
| 400    | TON | SEDIMENT CONTROL STONE             |
| 4.5    | ACR | TEMPORARY MULCHING                 |
| 150    | LB  | SEED FOR TEMPORARY SEEDING         |
| 0.75   | TON | FERTILIZER FOR TEMPORARY SEEDING   |
| 410    | LF  | SAFETY FENCE                       |
| 1,440  | CY  | SILT EXCAVATION                    |
| 950    | SY  | MATTING FOR EROSION CONTROL        |
| 15     | SY  | COIR FIBER MAT                     |
| 775    | SY  | PERMANENT SOIL REINFORCEMENT MAT   |
| 50     | LF  | 1/4" HARDWARE CLOTH                |
| 12     | EA  | SPECIAL STILLING BASINS            |
| 485    | LF  | COIR FIBER BAFFLES                 |
| 2      | EA  | *** SKIMMER (1-1/2")               |
| 4.5    | ACR | SEEDING & MULCHING                 |
| 2.5    | ACR | MOWING                             |
| 50     | LB  | SEED FOR REPAIR SEEDING            |
| 0.25   | TON | FERTILIZER FOR REPAIR SEEDING      |
| 100    | LB  | SEED FOR SUPPLEMENTAL SEEDING      |
| 3.5    | TON | FERTILIZER TOPDRESSING             |
| 2      | HR  | SPECIALIZED HAND MOWING            |
| 12     | EA  | RESPONSE FOR EROSION CONTROL       |
| 0.8    | ACR | REFORESTATION                      |

STRUCTURE ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+89.50-L-)     |
| 88.2     | LF  | 3'-0" DIA DRILLED PIERS IN SOIL                                  |
| 43       | LF  | 3'-0" DIA DRILLED PIERS NOT IN SOIL                              |
| 79.2     | LF  | PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER                |
| 1        | EA  | SID INSPECTION   |
| 3        | EA  | SPT TESTING  |
| 1        | EA  | CROSSHOLE SONIC LOGGING  |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+89.50-L-) |
| 8,519    | SF  | REINFORCED CONCRETE DECK SLAB                                    |
| 8,790    | SF  | GROOVING BRIDGE FLOORS   |
| 136.3    | CY  | CLASS A CONCRETE (BRIDGE)  |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION ***** (16+89.50-L-)               |
| 27,787   | LB  | REINFORCING STEEL (BRIDGE)                                       |
| 2,284    | LB  | SPIRAL COLUMN REINFORCING STEEL (BRIDGE)                         |
| 847.96   | LF  | 45" PRESTRESSED CONCRETE GIRDER                                  |
| 290      | LF  | HP12X53 STEEL PILES  |
| 460      | TON | RIP RAP CLASS II (2'-0" THICK)                                   |
| 515      | SY  | FILTER FABRIC FOR DRAINAGE                                       |
| Lump Sum | LS  | ELASTOMERIC BEARINGS   |

|          |    |                           |
|----------|----|---------------------------|
| Lump Sum | LS | EVAZOTE JOINT SEALS       |
| 345.67   | LF | GENERIC STRUCTURE ITEM    |
|          |    | CONCRETE POST & BEAM RAIL |

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080916 010

CONTRACT ID : C202131 36727.3.7

DIV OFFICE ABERDEEN

LENGTH = 6.000 MI

COUNTY : RANDOLPH

BRIDGE CLEANING AND PAINTING.

DBE GOAL 0.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

US-220 IN RANDOLPH COUNTY.

## ROADWAY ITEMS

|          |    |   |
|----------|----|---|
| Lump Sum | LS | MOBILIZATION  |
| 1,385    | SF | WORK ZONE SIGNS (PORTABLE)                                  |
| 166      | SF | WORK ZONE SIGNS (BARRICADE MOUNTED)                         |
| 4        | EA | FLASHING ARROW PANELS, TYPE C                               |
| 9        | EA | CHANGEABLE MESSAGE SIGN                                     |
| 275      | EA | DRUMS   |
| 112      | LF | BARRICADES (TYPE III)                                       |
| 160      | HR | FLAGGER   |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #135 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #157 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #168 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #17  |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #177 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #182 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #196 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #197 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #205 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #207 |
| Lump Sum | LS | GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #9   |

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

L080916 011

CONTRACT ID : C201932 34517.3.9

DIV OFFICE WINSTON-SALEM

LENGTH = 3.366 MI

COUNTY : ROWAN

GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : AUG 01 2011

US-70 FROM THE IREDELL COUNTY LINE TO SR-1001.

| ROADWAY ITEMS |     |  |        |     |  |
|---------------|-----|--|--------|-----|--|
|               |     |  | 1,400  | SY  | MILLING ASPHALT PAVEMENT, ****<br>DEPTH<br>(5")                      |
| Lump Sum      | LS  | MOBILIZATION   | 780    | TON | ASPHALT CONC BASE COURSE, TYPE<br>B25.0B                             |
| 4,000         | SF  | GENERIC MISCELLANEOUS ITEM<br>SLOPE STABILIZATION                | 12,940 | TON | ASPHALT CONC BASE COURSE, TYPE<br>B25.0C                             |
| Lump Sum      | LS  | CLEARING & GRUBBING . ACRE(S)                                    | 140    | TON | ASPHALT CONC INTERMEDIATE<br>COURSE, TYPE I19.0B                     |
| 2             | ACR | SUPPLEMENTARY CLEARING & GRUB-<br>BING                           | 24,710 | TON | ASPHALT CONC INTERMEDIATE<br>COURSE, TYPE I19.0C                     |
| 1             | EA  | SEALING ABANDONED WELLS  | 1,340  | TON | ASPHALT CONC SURFACE COURSE,<br>TYPE S9.5B                           |
| 150,600       | CY  | UNCLASSIFIED EXCAVATION  | 25,530 | TON | ASPHALT CONC SURFACE COURSE,<br>TYPE S9.5C                           |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH<br>FILL, STATION *****<br>(137+86.34) | 1,840  | TON | ASPHALT BINDER FOR PLANT MIX,<br>GRADE PG 64-22                      |
| Lump Sum      | LS  | REINFORCED BRIDGE APPROACH<br>FILL, STATION *****<br>(138+03.66) | 1,535  | TON | ASPHALT BINDER FOR PLANT MIX,<br>GRADE PG 70-22                      |
| 4,000         | CY  | UNDERCUT EXCAVATION  | 440    | TON | ASPHALT PLANT MIX, PAVEMENT<br>REPAIR                                |
| 2,500         | TON | CLASS IV SUBGRADE STABILIZA-<br>TION                             | 117    | EA  | RIGHT OF WAY MARKERS   |
| 62,600        | CY  | BORROW EXCAVATION  | 504    | CY  | SUBDRAIN EXCAVATION  |
| 6,840         | CY  | DRAINAGE DITCH EXCAVATION  | 252    | CY  | SUBDRAIN FINE AGGREGATE  |
| 2,200         | LF  | BERM DITCH CONSTRUCTION  | 1,500  | LF  | 6" PERFORATED SUBDRAIN PIPE  |
| 2,560         | SY  | REMOVAL OF EXISTING ASPHALT<br>PAVEMENT                          | 45     | EA  | 6" SUBDRAIN PIPE WYES, TEES, &<br>ELBOWS                             |
| 34,000        | SY  | BREAKING OF EXISTING ASPHALT<br>PAVEMENT                         | 3      | EA  | CONCRETE PAD FOR SUBDRAIN PIPE<br>OUTLET                             |
| 20            | HR  | PROOF ROLLING  | 18     | LF  | 6" OUTLET PIPE (SUBDRAINS)   |
| 3,000         | CY  | SELECT GRANULAR MATERIAL   | 20     | TON | BLOTTING SAND  |
| 6,000         | SY  | FABRIC FOR SOIL STABILIZATION                                    | 4.9    | CY  | ENDWALLS   |
| 1,320         | SF  | TEMPORARY SHORING  | 14.2   | CY  | REINFORCED ENDWALLS  |
| 1,780         | TON | FOUNDATION CONDITIONING MATE-<br>RIAL, MINOR STRS                | 10.155 | CY  | PIPE COLLARS   |
| 224           | LF  | 30" RC PIPE CULVERTS, CLASS<br>III                               | 2.134  | CY  | PIPE PLUGS   |
| 76            | LF  | 72" RC PIPE CULVERTS, CLASS<br>III                               | 150    | CY  | FLOWABLE FILL  |
| 836           | LF  | 15" BIT COAT CS PIPE CULVERTS,<br>TYPE B 0.064" THICK            | 113    | EA  | MASONRY DRAINAGE STRUCTURES  |
| 40            | LF  | 18" BIT COAT CS PIPE CULVERTS,<br>TYPE B 0.064" THICK            | 44.2   | LF  | MASONRY DRAINAGE STRUCTURES  |
| 268           | LF  | 24" BIT COAT CS PIPE CULVERTS,<br>TYPE B 0.064" THICK            | 5      | EA  | FRAME WITH TWO GRATES, STD<br>840.16                                 |
| 40            | LF  | 30" BIT COAT CS PIPE CULVERTS,<br>TYPE B 0.079" THICK            | 11     | EA  | FRAME WITH TWO GRATES, STD<br>840.20                                 |
| 28            | EA  | 15" BIT COAT CS PIPE ELBOWS,<br>TYPE B 0.064" THICK              | 64     | EA  | FRAME WITH TWO GRATES, STD<br>840.22                                 |
| 2             | EA  | 18" BIT COAT CS PIPE ELBOWS, T<br>YPE B 0.064" THICK             | 7      | EA  | FRAME WITH GRATE & HOOD, STD<br>840.03, TYPE **<br>(E)               |
| 6             | EA  | 24" BIT COAT CS PIPE ELBOWS, T<br>YPE B 0.064" THICK             | 14     | EA  | FRAME WITH GRATE & HOOD, STD<br>840.03, TYPE **<br>(F)               |
| 2             | EA  | 30" BIT COAT CS PIPE ELBOWS, T<br>YPE B 0.079" THICK             | 12     | EA  | FRAME WITH GRATE & HOOD, STD<br>840.03, TYPE **<br>(G)               |
| 63            | LF  | *** WELDED STEEL PIPE IN SOIL<br>(24")                           | 3      | EA  | FRAME WITH COVER, STD 840.54   |
| 117           | LF  | *** WELDED STEEL PIPE IN SOIL<br>(72")                           | 31,700 | LF  | 1'-6" CONCRETE CURB & GUTTER   |
| 21            | LF  | *** WELDED STEEL PIPE NOT IN<br>SOIL<br>(24")                    | 3,000  | LF  | 2'-6" CONCRETE CURB & GUTTER   |
| 39            | LF  | *** WELDED STEEL PIPE NOT IN<br>SOIL<br>(72")                    | 3,300  | LF  | SHOULDER BERM GUTTER   |
| 1,984         | LF  | PIPE REMOVAL   | 400    | LF  | CONCRETE EXPRESSWAY GUTTER   |
| Lump Sum      | LS  | FINE GRADING   | 8      | EA  | CONCRETE WHEELCHAIR RAMPS  |
| 56,480        | SY  | LIME TREATED SOIL (SLURRY<br>METHOD)                             | 200    | SY  | 6" CONCRETE DRIVEWAY   |
| 570           | TON | LIME FOR LIME TREATED SOIL                                       | 130    | SY  | 4" CONCRETE PAVED DITCH  |
| 500           | TON | STABILIZER AGGREGATE   | 1,875  | SY  | 5" MONOLITHIC CONCRETE ISLANDS<br>(KEYED IN)                         |
| 43,700        | TON | AGGREGATE BASE COURSE  | 1,000  | LF  | GENERIC PAVING ITEM<br>TEMPORARY 9" X 12" ASPHALT<br>CURBING         |
| 18,830        | SY  | SOIL CEMENT BASE   | 1      | EA  | CONVERT EXISTING DROP INLET TO<br>CATCH BASIN                        |
| 518           | TON | PORTLAND CEMENT FOR SOIL CE-<br>MENT BASE                        | 1      | EA  | CONVERT EXISTING DROP INLET TO<br>JUNCTION BOX WITH MANHOLE<br>COVER |
| 290           | TON | AGGREGATE FOR SOIL CEMENT BASE                                   | 4      | EA  | CONVERT EXISTING JUNCTION BOX<br>TO CATCH BASIN                      |
| 11,300        | GAL | ASPHALT CURING SEAL  | 1      | EA  | GENERIC DRAINAGE ITEM<br>CONVERT EXISTING MANHOLE<br>TO CATCH BASIN  |
| 10,000        | TON | INCIDENTAL STONE BASE  | 2      | EA  | IMPACT ATTENUATOR UNIT, TYPE<br>350                                  |
| 15,295        | GAL | PRIME COAT   | 5,200  | LF  | STEEL BM GUARDRAIL   |
| 24,300        | SY  | MILLING ASPHALT PAVEMENT, ****<br>DEPTH<br>(4")                  | 150    | LF  | STEEL BM GUARDRAIL, SHOP<br>CURVED                                   |

|         |     |   |        |     |  |
|---------|-----|---|--------|-----|--|
| 10      | EA  | ADDITIONAL GUARDRAIL POSTS                                      | 16     | EA  | PAINT PAVEMENT MARKING CHARACTER                         |
| 2       | EA  | GUARDRAIL ANCHOR UNITS, TYPE AT-1                               | 222    | EA  | PAINT PAVEMENT MARKING SYMBOL                            |
| 8       | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                                | 39,231 | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")                   |
| 8       | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                               | 86     | LF  | REMOVAL OF PAVEMENT MARKING LINES (24")                  |
| 350     | LF  | TEMPORARY STEEL BM GUARDRAIL                                    | 679    | EA  | SNOWPLOWABLE PAVEMENT MARKERS                            |
| 4       | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY                      | 16     | LF  | 6" WATER LINE  |
| 28,400  | LF  | WOVEN WIRE FENCE, 47" FABRIC                                    | 162    | LF  | 8" WATER LINE  |
| 1,775   | EA  | 4" TIMBER FENCE POSTS, 7'-6" LONG                               | 2,266  | LF  | 16" WATER LINE   |
| 475     | EA  | 5" TIMBER FENCE POSTS, 8'-0" LONG                               | 1      | EA  | 6" VALVE   |
| 500     | LF  | ADDITIONAL BARBED WIRE  | 1      | EA  | 8" VALVE   |
| 5,900   | LF  | ** STRAND BARBED WIRE FENCE WITH POSTS                          | 4      | EA  | RELOCATE FIRE HYDRANT                                    |
| 4       | EA  | SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (48", 16', 16')     | 162    | LF  | ABANDON 8" UTILITY PIPE                                  |
| 500     | LF  | GENERIC FENCING ITEM TEMP 4 STRAND BARBED WIRE FENCE WITH POSTS | 2,244  | LF  | ABANDON 16" UTILITY PIPE                                 |
| 325     | LF  | RELAPPING GUARDRAIL   | 150    | TON | GENERIC UTILITY ITEM FOUNDATION CONDITIONING MATERIAL    |
| 440     | TON | RIP RAP, CLASS I  | 5,300  | LF  | TEMPORARY SILT FENCE                                     |
| 880     | TON | RIP RAP, CLASS B  | 2,675  | TON | STONE FOR EROSION CONTROL, CLASS A                       |
| 4,605   | SY  | FILTER FABRIC FOR DRAINAGE                                      | 3,875  | TON | STONE FOR EROSION CONTROL, CLASS B                       |
| 1       | CY  | REINFORCED CONCRETE SIGN FOUNDATIONS                            | 4,510  | TON | SEDIMENT CONTROL STONE                                   |
| 348     | LB  | SUPPORTS, BREAKAWAY STEEL BEAM                                  | 78.5   | ACR | TEMPORARY MULCHING                                       |
| 1,410   | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                                  | 3,100  | LB  | SEED FOR TEMPORARY SEEDING                               |
| 3       | EA  | SIGN ERECTION, TYPE D   | 13.25  | TON | FERTILIZER FOR TEMPORARY SEEDING                         |
| 93      | EA  | SIGN ERECTION, TYPE E   | 800    | LF  | TEMPORARY SLOPE DRAINS                                   |
| 3       | EA  | SIGN ERECTION, TYPE F   | 17     | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS               |
| 1       | EA  | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A)         | 1,250  | LF  | SAFETY FENCE   |
| 2       | EA  | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)         | 46,070 | CY  | SILT EXCAVATION  |
| 1       | EA  | DISPOSAL OF SUPPORT, WOOD                                       | 46,000 | SY  | MATTING FOR EROSION CONTROL                              |
| 35      | EA  | DISPOSAL OF SIGN SYSTEM, U-CHANNEL                              | 135    | SY  | COIR FIBER MAT   |
| 2       | EA  | DISPOSAL OF SUPPORT, U-CHANNEL                                  | 3,590  | SY  | PERMANENT SOIL REINFORCEMENT MAT                         |
| 688     | SF  | WORK ZONE SIGNS (STATIONARY)                                    | 1,215  | LF  | 1/4" HARDWARE CLOTH                                      |
| 436     | SF  | WORK ZONE SIGNS (PORTABLE)                                      | 24     | EA  | SPECIAL STILLING BASINS                                  |
| 143     | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                             | 360    | LF  | WATTLE   |
| 2       | EA  | FLASHING ARROW PANELS, TYPE C                                   | 225    | LB  | POLYACRYLAMIDE (PAM)                                     |
| 4       | EA  | CHANGEABLE MESSAGE SIGN   | 5,235  | LF  | COIR FIBER BAFFLES                                       |
| 704     | EA  | DRUMS   | 5      | EA  | *** SKIMMER (1-1/2")                                     |
| 115     | EA  | CONES   | 14     | EA  | *** SKIMMER (2")   |
| 550     | LF  | BARRICADES (TYPE III)   | 3      | EA  | *** SKIMMER (2-1/2")                                     |
| 1,266   | HR  | FLAGGER   | 84     | ACR | SEEDING & MULCHING                                       |
| 2       | EA  | TEMPORARY CRASH CUSHIONS  | 48.5   | ACR | MOWING   |
| 1       | EA  | TMA   | 700    | LB  | SEED FOR REPAIR SEEDING                                  |
| 368     | LF  | PORTABLE CONCRETE BARRIER                                       | 1.75   | TON | FERTILIZER FOR REPAIR SEEDING                            |
| 40      | HR  | POLICE  | 1,950  | LB  | SEED FOR SUPPLEMENTAL SEEDING                            |
| 100     | EA  | SKINNY DRUM   | 58     | TON | FERTILIZER TOPDRESSING                                   |
| 17      | EA  | GENERIC TRAFFIC CONTROL ITEM WARNING FLAGS                      | 12     | HR  | SPECIALIZED HAND MOWING                                  |
| 757     | EA  | TEMPORARY RAISED PAVEMENT MARKERS                               | 54     | EA  | RESPONSE FOR EROSION CONTROL                             |
| 34,322  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)              | 0.25   | ACR | REFORESTATION  |
| 15,122  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)             | 1,600  | LF  | SIGNAL CABLE   |
| 3,771   | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)              | 13     | EA  | VEHICLE SIGNAL HEAD (12", 3 SECTION)                     |
| 339     | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)            | 5      | EA  | VEHICLE SIGNAL HEAD (12", 5 SECTION)                     |
| 288     | LF  | THERMOPLASTIC RUMBLE STRIP (4" 240 MILS)                        | 1,170  | LF  | MESSENGER CABLE (3/8")                                   |
| 8       | EA  | THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)             | 770    | LF  | UNPAVED TRENCHING (***** (1, 2"))                        |
| 103     | EA  | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)                 | 6      | EA  | JUNCTION BOX (STANDARD SIZE)                             |
| 1,580   | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III) | 4      | EA  | WOOD POLE  |
| 1,140   | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)  | 8      | EA  | GUY ASSEMBLY   |
| 242,895 | LF  | PAINT PAVEMENT MARKING LINES (4")                               | 1      | EA  | 1" RISER WITH WEATHERHEAD                                |
| 2,296   | LF  | PAINT PAVEMENT MARKING LINES (8")                               | 4      | EA  | 2" RISER WITH WEATHERHEAD                                |
| 1,680   | LF  | PAINT PAVEMENT MARKING LINES (24")                              | 3,770  | LF  | INDUCTIVE LOOP SAWCUT                                    |
|         |     |   | 5,410  | LF  | LEAD-IN CABLE (***** (14-2))                             |
|         |     |   | 2      | EA  | 900MHZ WIRELESS RADIO SYSTEM                             |
|         |     |   | 4      | EA  | METAL STRAIN SIGNAL POLE                                 |
|         |     |   | 4      | EA  | SOIL TEST  |
|         |     |   | 24     | CY  | DRILLED PIER FOUNDATION                                  |
|         |     |   | 1      | EA  | SIGNAL CABINET FOUNDATION                                |
|         |     |   | 1      | EA  | CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)       |
|         |     |   | 7      | EA  | DETECTOR CARD (TYPE 2070L)                               |
|         |     |   | 1      | EA  | CABINET BASE EXTENDER                                    |
|         |     |   | 2      | EA  | GENERIC SIGNAL ITEM FURNISH WIRELESS LIGHTNING ARRESTORS |
|         |     |   | 1      | EA  | GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEMS        |



|          |     |                                |
|----------|-----|--------------------------------|
| 1,470    | TON | RIP RAP CLASS II (2'-0" THICK) |
| 1,632    | SY  | FILTER FABRIC FOR DRAINAGE     |
| Lump Sum | LS  | ELASTOMERIC BEARINGS           |
| Lump Sum | LS  | EVAZOTE JOINT SEALS            |

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

|        |    |  |
|--------|----|--|
| 10,612 | LF | 15" RC PIPE CULVERTS, CLASS III  |
| 2,460  | LF | 18" RC PIPE CULVERTS, CLASS III  |
| 2,096  | LF | 24" RC PIPE CULVERTS, CLASS III  |
| 40     | LF | 36" RC PIPE CULVERTS, CLASS III  |
|        |    | *** OR ***   |
| 6,060  | LF | 15" RC PIPE CULVERTS, CLASS III  |
| 1,744  | LF | 18" RC PIPE CULVERTS, CLASS III  |
| 972    | LF | 24" RC PIPE CULVERTS, CLASS III  |
| 24     | LF | 36" RC PIPE CULVERTS, CLASS III  |
| 4,552  | LF | **** HDPE PIPE CULVERTS (15")  |
| 716    | LF | **** HDPE PIPE CULVERTS (18")  |
| 1,124  | LF | **** HDPE PIPE CULVERTS (24")  |
| 16     | LF | **** HDPE PIPE CULVERTS (36")  |
|        |    | *** OR ***   |
| 6,060  | LF | 15" RC PIPE CULVERTS, CLASS III  |
| 1,744  | LF | 18" RC PIPE CULVERTS, CLASS III  |
| 972    | LF | 24" RC PIPE CULVERTS, CLASS III  |
| 24     | LF | 36" RC PIPE CULVERTS, CLASS III  |
| 4,552  | LF | **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (15", 0.064") |
| 716    | LF | **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (18", 0.064") |
| 1,124  | LF | **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (24", 0.064") |
| 16     | LF | **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (36", 0.079") |

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

**STRUCTURE ITEMS**

|          |    |   |
|----------|----|---|
| Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA *****<br>(137+95.00 -L-LT) |
| Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION *****<br>(137+95.00 -L-LT)                   |
| 431.5    | LF | 3'-6" DIA DRILLED PIERS IN SOIL   |
| 74       | LF | 3'-6" DIA DRILLED PIERS NOT IN SOIL   |
| 238.1    | LF | PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER                                     |
| 6        | EA | SID INSPECTION  |
| 6        | EA | SPT TESTING   |
| 6        | EA | CROSSHOLE SONIC LOGGING   |
| 2,330    | CY | UNCLASSIFIED STRUCTURE EXCAVATION   |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION *****<br>(137+95.00 -L-RT)               |
| 21,926   | SF | REINFORCED CONCRETE DECK SLAB   |
| 21,534   | SF | GROOVING BRIDGE FLOORS  |
| 307.9    | CY | CLASS A CONCRETE (BRIDGE)   |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION *****<br>(137+95.00 -L-LT)                             |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION *****<br>(137+95.00 -L-RT)                             |
| 81,335   | LB | REINFORCING STEEL (BRIDGE)  |
| 13,825   | LB | SPIRAL COLUMN REINFORCING STEEL (BRIDGE)  |
| 2,749.16 | LF | 45" PRESTRESSED CONCRETE GIRDERS  |
| 1,190    | LF | HP12X53 STEEL PILES   |
| 1,117.32 | LF | CONCRETE BARRIER RAIL   |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 012

CONTRACT ID : C201930 33815.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.161 MI

COUNTY : UNION

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER WAXHAW CREEK AND APPROACHES ON SR-1103 (MAGGIE ROBINSON RD).

ROADWAY ITEMS

STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | MOBILIZATION  |
| Lump Sum | LS  | CONSTRUCTION SURVEYING  |
| Lump Sum | LS  | REINFORCED BRIDGE APPROACH<br>FILL, STATION *****<br>(26+37.50) |
| Lump Sum | LS  | GRADING   |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUB-<br>BING                          |
| 200      | CY  | UNDERCUT EXCAVATION   |
| 43       | CY  | DRAINAGE DITCH EXCAVATION                                       |
| 200      | CY  | SELECT GRANULAR MATERIAL  |
| 5        | TON | FOUNDATION CONDITIONING MATE-<br>RIAL, MINOR STRS               |
| 36       | LF  | 15" BIT COAT CS PIPE CULVERTS,<br>TYPE B 0.064" THICK           |
| 4        | EA  | 15" BIT COAT CS PIPE ELBOWS,<br>TYPE B 0.064" THICK             |
| 20       | LF  | PIPE REMOVAL  |
| 50       | TON | INCIDENTAL STONE BASE   |
| 430      | TON | ASPHALT CONC BASE COURSE, TYPE<br>B25.0B                        |
| 355      | TON | ASPHALT CONC SURFACE COURSE,<br>TYPE SF9.5A                     |
| 45       | TON | ASPHALT BINDER FOR PLANT MIX,<br>GRADE PG 64-22                 |
| 2        | EA  | MASONRY DRAINAGE STRUCTURES                                     |
| 2        | EA  | FRAME WITH TWO GRATES, STD<br>840.29                            |
| 160      | LF  | SHOULDER BERM GUTTER  |
| 600      | LF  | STEEL BM GUARDRAIL  |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                                      |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE<br>III                             |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE<br>350                             |
| 30       | TON | RIP RAP, CLASS B  |
| 255      | SY  | FILTER FABRIC FOR DRAINAGE                                      |
| 303      | SF  | WORK ZONE SIGNS (STATIONARY)                                    |
| 57       | SF  | WORK ZONE SIGNS (BARRICADE<br>MOUNTED)                          |
| 64       | LF  | BARRICADES (TYPE III)   |
| 7,000    | LF  | PAINT PAVEMENT MARKING LINES<br>(4")                            |
| 520      | LF  | TEMPORARY SILT FENCE  |
| 75       | TON | STONE FOR EROSION CONTROL,<br>CLASS A                           |
| 100      | TON | STONE FOR EROSION CONTROL,<br>CLASS B                           |
| 30       | TON | SEDIMENT CONTROL STONE  |
| 3        | ACR | TEMPORARY MULCHING  |
| 150      | LB  | SEED FOR TEMPORARY SEEDING                                      |
| 1.5      | TON | FERTILIZER FOR TEMPORARY SEED-<br>ING                           |
| 330      | LF  | SAFETY FENCE  |
| 670      | CY  | SILT EXCAVATION   |
| 1,300    | SY  | MATTING FOR EROSION CONTROL                                     |
| 25       | SY  | COIR FIBER MAT  |
| 150      | SY  | PERMANENT SOIL REINFORCEMENT<br>MAT                             |
| 40       | LF  | 1/4" HARDWARE CLOTH   |
| 265      | LF  | COIR FIBER BAFFLES  |
| 4        | EA  | *** SKIMMER<br>(1-1/2")   |
| 3.5      | ACR | SEEDING & MULCHING  |
| 2        | ACR | MOWING  |
| 50       | LB  | SEED FOR REPAIR SEEDING   |
| 0.25     | TON | FERTILIZER FOR REPAIR SEEDING                                   |
| 75       | LB  | SEED FOR SUPPLEMENTAL SEEDING                                   |
| 2.25     | TON | FERTILIZER TOPDRESSING  |
| 2        | HR  | SPECIALIZED HAND MOWING   |
| 12       | EA  | RESPONSE FOR EROSION CONTROL                                    |

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE<br>AT STATION *****<br>(26+37.50-L-)       |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVA-<br>TION AT STATION *****<br>(26+37.50-L-) |
| 40.5     | CY  | CLASS A CONCRETE (BRIDGE)  |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION<br>*****<br>(26+37.50-L-)                 |
| 6,170    | LB  | REINFORCING STEEL (BRIDGE)   |
| 500      | LF  | HP12X53 STEEL PILES  |
| 980      | SF  | *** STEEL SHEET PILES<br>(18")   |
| 185.5    | LF  | VERTICAL CONCRETE BARRIER RAIL   |
| 440      | TON | RIP RAP CLASS II (2'-0" THICK)   |
| 490      | SY  | FILTER FABRIC FOR DRAINAGE   |
| Lump Sum | LS  | ELASTOMERIC BEARINGS   |
| 1,020.25 | LF  | 3'-0" X 2'-9" PRESTRESSED CONC<br>BOX BEAMS                              |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 013

CONTRACT ID : C201922 33376.3.1

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.128 MI

COUNTY : ALLEGHANY

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : OCT 01 2009

BRIDGE OVER LITTLE RIVER AND APPROACHES ON SR-1193.

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION   |
| Lump Sum | LS  | CONSTRUCTION SURVEYING                                 |
| Lump Sum | LS  | GRADING  |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUB-BING                     |
| 500      | CY  | UNDERCUT EXCAVATION                                    |
| 475      | TON | CLASS IV SUBGRADE STABILIZATION                        |
| 500      | CY  | SELECT GRANULAR MATERIAL                               |
| 500      | SY  | FABRIC FOR SOIL STABILIZATION                          |
| 5        | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS           |
| 26       | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK     |
| 100      | TON | INCIDENTAL STONE BASE                                  |
| 282      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                  |
| 239      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A               |
| 28       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22           |
| 16       | EA  | RIGHT OF WAY MARKERS                                   |
| 45       | CY  | SUBDRAIN EXCAVATION                                    |
| 35       | CY  | SUBDRAIN FINE AGGREGATE                                |
| 200      | LF  | 6" PERFORATED SUBDRAIN PIPE                            |
| 6        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                  |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                  |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)                             |
| 1        | EA  | MASONRY DRAINAGE STRUCTURES                            |
| 1        | EA  | FRAME WITH TWO GRATES, STD 840.29                      |
| 15       | LF  | SHOULDER BERM GUTTER                                   |
| 75       | LF  | STEEL BM GUARDRAIL                                     |
| 125      | LF  | STEEL BM GUARDRAIL, SHOP CURVED                        |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                             |
| 1        | EA  | GUARDRAIL ANCHOR UNITS, TYPE ***** (TL-2)              |
| 1        | EA  | GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77, SHOP CURVED) |
| 3        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                       |
| 3        | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                      |
| 40       | LF  | ** STRAND BARBED WIRE FENCE WITH POSTS (6)             |
| 5        | TON | RIP RAP, CLASS B                                       |
| 160      | SY  | FILTER FABRIC FOR DRAINAGE                             |
| 1        | EA  | PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON        |
| 13       | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                         |
| 1        | EA  | SIGN ERECTION, TYPE E                                  |
| 4        | EA  | DISPOSAL OF SIGN SYSTEM, U-CHANNEL                     |
| 5        | EA  | DISPOSAL OF SIGN SYSTEM, WOOD                          |
| 312      | SF  | WORK ZONE SIGNS (STATIONARY)                           |
| 96       | SF  | WORK ZONE SIGNS (PORTABLE)                             |
| 94       | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                    |
| 24       | EA  | DRUMS  |
| 24       | EA  | CONES  |
| 88       | LF  | BARRICADES (TYPE III)                                  |
| 480      | HR  | FLAGGER  |
| 6,400    | LF  | PAINT PAVEMENT MARKING LINES (4")                      |
| 850      | LF  | TEMPORARY SILT FENCE                                   |
| 75       | TON | STONE FOR EROSION CONTROL, CLASS A                     |
| 205      | TON | STONE FOR EROSION CONTROL, CLASS B                     |
| 65       | TON | SEDIMENT CONTROL STONE                                 |

|      |     |  |
|------|-----|--|
| 1    | ACR | TEMPORARY MULCHING                         |
| 50   | LB  | SEED FOR TEMPORARY SEEDING                 |
| 0.25 | TON | FERTILIZER FOR TEMPORARY SEEDING           |
| 30   | LF  | TEMPORARY SLOPE DRAINS                     |
| 1    | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS |
| 300  | LF  | SAFETY FENCE                               |
| 340  | CY  | SILT EXCAVATION                            |
| 390  | SY  | MATTING FOR EROSION CONTROL                |
| 110  | SY  | PERMANENT SOIL REINFORCEMENT MAT           |
| 20   | LF  | 1/4" HARDWARE CLOTH                        |
| 100  | LF  | COIR FIBER BAFFLES                         |
| 1    | ACR | SEEDING & MULCHING                         |
| 1    | ACR | MOWING                                     |
| 50   | LB  | SEED FOR REPAIR SEEDING                    |
| 0.25 | TON | FERTILIZER FOR REPAIR SEEDING              |
| 50   | LB  | SEED FOR SUPPLEMENTAL SEEDING              |
| 0.75 | TON | FERTILIZER TOPDRESSING                     |
| 2    | HR  | SPECIALIZED HAND MOWING                    |
| 12   | EA  | RESPONSE FOR EROSION CONTROL               |

STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (15+99.00-L-)        |
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+99.00-L-)                          |
| 4,063    | SF  | REINFORCED CONCRETE DECK SLAB   |
| 3,844    | SF  | GROOVING BRIDGE FLOORS  |
| 33       | CY  | CLASS A CONCRETE (BRIDGE)   |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION ***** (15+99.00-L-)                                    |
| 5,522    | LB  | REINFORCING STEEL (BRIDGE)  |
| 174,300  | LS  | APPROX ..... LBS STRUCTURAL STEEL   |
| 240      | LF  | HP12X53 STEEL PILES   |
| 256.67   | LF  | CONCRETE BARRIER RAIL   |
| 248      | TON | RIP RAP CLASS II (2'-0" THICK)  |
| 441      | SY  | FILTER FABRIC FOR DRAINAGE  |
| Lump Sum | LS  | EVAZOTE JOINT SEALS   |
| Lump Sum | LS  | GENERIC STRUCTURE ITEM REINF BRIDGE APPR FILL FOR INTEGRAL ABUTMENTS, STA 15+99.00-L- |
| 150      | TON | GENERIC STRUCTURE ITEM SCOUR PROTECTION STONE   |

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

L080916 014

CONTRACT ID : C201900 34383.3.7

DIV OFFICE SHELBY

LENGTH = 16.770 KM

COUNTY : LINCOLN, CATAWBA

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

DBE GOAL 8.0% COMPLETION DATE : NOV 01 2011

NC-16 FROM NC-73 TO SR-1895 (TOWER RD) AT EXISTING NC-16 NORTH OF CHRONICLE IN CATAWBA COUNTY.

| ROADWAY ITEMS |     |  |           |     |  |
|---------------|-----|--|-----------|-----|--|
|               |     |  | 0.5       | M3  | PIPE PLUGS   |
|               |     |  | 3         | M3  | FLOWABLE FILL  |
|               |     |  | 37        | EA  | MASONRY DRAINAGE STRUCTURES                                    |
| Lump Sum      | LS  | MOBILIZATION   | 1         | EA  | FRAME WITH GRATE, STD 840.22                                   |
| Lump Sum      | LS  | CONSTRUCTION SURVEYING                               | 64        | EA  | FRAME WITH TWO GRATES, STD 840.20                              |
| Lump Sum      | LS  | CLEARING & GRUBBING .. HECTA                         | 21        | EA  | FRAME WITH TWO GRATES, STD 840.22                              |
| 0.4           | HA  | SUPPLEMENTARY CLEARING & GRUBBING                    | 6         | EA  | FRAME WITH TWO GRATES, STD 840.24                              |
| 111,700       | M3  | UNCLASSIFIED EXCAVATION                              | 3         | EA  | FRAME WITH COVER, STD 840.54                                   |
| 4,000         | M3  | UNDERCUT EXCAVATION                                  | 6,800     | M   | SHOULDER BERM GUTTER   |
| 3,300         | MTN | CLASS IV SUBGRADE STABILIZATION                      | 8.5       | M2  | 100MM CONCRETE PAVED DITCH                                     |
| 800           | M3  | DRAINAGE DITCH EXCAVATION                            | 3,570     | M2  | 125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)                   |
| 5,650         | M2  | REMOVAL OF EXISTING ASPHALT PAVEMENT                 | 42        | M   | PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED              |
| 2,500         | M3  | SELECT GRANULAR MATERIAL                             | 610       | M   | GENERIC PAVING ITEM REMOVE & STOCKPILE EXISTING BARRIER        |
| 5,100         | M2  | FABRIC FOR SOIL STABILIZATION                        | 2         | EA  | CONVERT EXISTING DROP INLET TO JUNCTION BOX                    |
| Lump Sum      | LS  | GENERIC GRADING ITEM FINE GRADING                    | 2         | EA  | CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE COVER |
| 410           | MTN | FOUNDATION CONDITIONING MATERIAL, MINOR STRS         | 4         | EA  | IMPACT ATTENUATOR UNIT, TYPE 350                               |
| 19.2          | M   | 375MM SIDE DRAIN PIPE                                | 12,531.09 | M   | STEEL BM GUARDRAIL   |
| 495.6         | M   | 375MM RC PIPE CULVERTS, CLASS III                    | 210       | M   | STEEL BM GUARDRAIL, SHOP CURVED                                |
| 379.2         | M   | 450MM RC PIPE CULVERTS, CLASS III                    | 10        | EA  | ADDITIONAL GUARDRAIL POSTS                                     |
| 229.2         | M   | 600MM RC PIPE CULVERTS, CLASS III                    | 1         | EA  | GUARDRAIL ANCHOR UNITS, TYPE AT-1                              |
| 63.6          | M   | 750MM RC PIPE CULVERTS, CLASS III                    | 40        | EA  | GUARDRAIL ANCHOR UNITS, TYPE CAT-1                             |
| 61.2          | M   | 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK | 26        | EA  | GUARDRAIL ANCHOR UNITS, TYPE III                               |
| 16.8          | M   | 450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK | 48        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                               |
| 6             | EA  | 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK   | 10        | EA  | GUARDRAIL ANCHOR UNITS, TYPE M-350                             |
| 1             | EA  | 450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK   | 8         | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                              |
| 153.6         | M   | PIPE REMOVAL   | 13,400    | M   | CABLE GUIDERAIL  |
| 132,430       | M2  | LIME TREATED SOIL (SLURRY METHOD)                    | 12        | EA  | ADDITIONAL GUIDERAIL POSTS                                     |
| 1,490         | MTN | LIME FOR LIME TREATED SOIL                           | 58        | EA  | CABLE GUIDERAIL ANCHOR UNITS                                   |
| 1,500         | MTN | STABILIZER AGGREGATE                                 | 125       | M   | GENERIC FENCING ITEM WOVEN WIRE FENCE, 1200MM FABRIC, REPAIR   |
| 183,500       | MTN | AGGREGATE BASE COURSE                                | 90        | MTN | RIP RAP, CLASS I   |
| 198,640       | M2  | SOIL CEMENT BASE                                     | 550       | MTN | RIP RAP, CLASS B   |
| 6,020         | MTN | PORTLAND CEMENT FOR SOIL CEMENT BASE                 | 2,210     | M2  | FILTER FABRIC FOR DRAINAGE                                     |
| 225,130       | L   | ASPHALT CURING SEAL                                  | 12        | M3  | REINFORCED CONCRETE SIGN FOUNDATIONS                           |
| 500           | MTN | INCIDENTAL STONE BASE                                | 3,118     | KG  | SUPPORTS, BREAKAWAY STEEL BEAM                                 |
| 31,500        | M3  | SHOULDER BORROW                                      | 2,445     | KG  | SUPPORTS, SIMPLE STEEL BEAM                                    |
| 13,746        | L   | PRIME COAT   | 1,282     | M   | SUPPORTS, 4.5-KG STEEL U-CHANNEL                               |
| 9,600         | M2  | INCIDENTAL MILLING                                   | 12        | EA  | SIGN ERECTION, TYPE D  |
| 1,880         | MTN | ASPHALT CONC BASE COURSE, TYPE B25.0B                | 163       | EA  | SIGN ERECTION, TYPE E  |
| 70            | MTN | ASPHALT CONC BASE COURSE, TYPE B25.0C                | 54        | EA  | SIGN ERECTION, TYPE F  |
| 2,500         | MTN | ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B        | 12        | EA  | SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)                   |
| 78,100        | MTN | ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C        | 2         | EA  | SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)                   |
| 4,900         | MTN | ASPHALT CONC SURFACE COURSE, TYPE S9.5B              | 1         | EA  | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)        |
| 68,200        | MTN | ASPHALT CONC SURFACE COURSE, TYPE S9.5C              | 38        | EA  | DISPOSAL OF SIGN SYSTEM, U-CHANNEL                             |
| 4,150         | MTN | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22         | 3         | EA  | DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)                      |
| 4,095         | MTN | ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22         | 1         | EA  | DISPOSAL OF SIGN, D, E OR F                                    |
| 62,000        | M   | MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)       | 80        | M2  | WORK ZONE SIGNS (STATIONARY)                                   |
| 6,950         | M   | SHOULDER DRAIN                                       | 20        | M2  | WORK ZONE SIGNS (PORTABLE)                                     |
| 6,950         | M   | 100MM SHOULDER DRAIN PIPE                            | 10        | M2  | WORK ZONE SIGNS (BARRICADE MOUNTED)                            |
| 685           | M   | 100MM OUTLET PIPE (SHOULDER DRAINS)                  | 1         | EA  | FLASHING ARROW PANELS, TYPE C                                  |
| 22            | EA  | CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET          |           |     |  |
| 15            | MTN | BLOTTING SAND  |           |     |  |
| 0.5           | M3  | PIPE COLLARS   |           |     |  |

|          |     |  |     |    |   |
|----------|-----|--|-----|----|---|
| 4        | EA  | CHANGEABLE MESSAGE SIGN  | 2   | EA | VEHICLE SIGNAL HEAD (300MM, 5 SECTION)              |
| 300      | EA  | DRUMS  | 220 | M  | MESSENGER CABLE (9.52MM)                            |
| 200      | EA  | CONES  | 565 | M  | UNPAVED TRENCHING (*****)<br>(1, 50MM)              |
| 75       | M   | BARRICADES (TYPE III)  | 8   | EA | JUNCTION BOX (STANDARD SIZE)                        |
| 100      | MD  | FLAGGER  | 2   | EA | 50MM RISER WITH HEAT SHRINK TUBING                  |
| 1        | EA  | TMIA   | 325 | M  | INDUCTIVE LOOP SAWCUT                               |
| 2,850    | EA  | TEMPORARY RAISED PAVEMENT MARKERS  | 925 | M  | LEAD-IN CABLE (*****)<br>(14-2)                     |
| 500      | M   | THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)                      | 2   | EA | 900MHZ WIRELESS RADIO SYSTEM                        |
| 900      | M   | THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)                      | 8   | EA | METAL STRAIN SIGNAL POLE                            |
| 60       | M   | THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)                      | 8   | EA | SOIL TEST   |
| 40       | M   | THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)                      | 40  | M3 | DRILLED PIER FOUNDATION                             |
| 100      | EA  | THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)                            | 8   | EA | SIGN FOR SIGNALS                                    |
| 175,160  | M   | PAINT PAVEMENT MARKING LINES (100MM)                                     | 2   | EA | SIGNAL CABINET FOUNDATION                           |
| 11,980   | M   | PAINT PAVEMENT MARKING LINES (200MM)                                     | 2   | EA | CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)  |
| 400      | M   | PAINT PAVEMENT MARKING LINES (600MM)                                     | 8   | EA | DETECTOR CARD (TYPE 2070L)                          |
| 200      | EA  | PAINT PAVEMENT MARKING SYMBOL  | 2   | EA | CABINET BASE EXTENDER                               |
| 86,170   | M   | POLYUREA PAVEMENT MARKING LINES (100MM, *****)<br>(STANDARD GLASS BEADS) | 1   | EA | GENERIC SIGNAL ITEM<br>FURNISH WIRELESS RADIO MODEM |
| 5,930    | M   | POLYUREA PAVEMENT MARKING LINES (200MM, *****)<br>(STANDARD GLASS BEADS) |     |    |   |
| 160      | M   | POLYUREA PAVEMENT MARKING LINES (600MM, *****)<br>(STANDARD GLASS BEADS) |     |    |   |
| 1,000    | M   | REMOVAL OF PAVEMENT MARKING LINES (100MM)                                |     |    |   |
| 300      | M   | REMOVAL OF PAVEMENT MARKING LINES (200MM)                                |     |    |   |
| 10       | EA  | REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS                         |     |    |   |
| 70       | EA  | PERMANENT RAISED PAVEMENT MARKERS  |     |    |   |
| 2,846    | EA  | SNOWPLOWABLE PAVEMENT MARKERS  |     |    |   |
| 80       | EA  | FLEXIBLE DELINEATORS (CRYSTAL)   |     |    |   |
| 80       | EA  | FLEXIBLE DELINEATORS (YELLOW)  |     |    |   |
| 3,900    | M   | TEMPORARY SILT FENCE   |     |    |   |
| 610      | MTN | STONE FOR EROSION CONTROL, CLASS A                                       |     |    |   |
| 7,515    | MTN | STONE FOR EROSION CONTROL, CLASS B                                       |     |    |   |
| 5,205    | MTN | SEDIMENT CONTROL STONE   |     |    |   |
| 67       | HA  | TEMPORARY MULCHING   |     |    |   |
| 2,575    | KG  | SEED FOR TEMPORARY SEEDING   |     |    |   |
| 20.5     | MTN | FERTILIZER FOR TEMPORARY SEEDING   |     |    |   |
| 250      | M   | TEMPORARY SLOPE DRAINS   |     |    |   |
| 11       | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                               |     |    |   |
| 400      | M   | SAFETY FENCE   |     |    |   |
| 16,070   | M3  | SILT EXCAVATION  |     |    |   |
| 52,300   | M2  | MATting FOR EROSION CONTROL  |     |    |   |
| 45       | M2  | COIR FIBER MAT   |     |    |   |
| 1,135    | M   | 6.4MM HARDWARE CLOTH   |     |    |   |
| 585      | M   | WATTLE   |     |    |   |
| 332      | KG  | POLYACRYLAMIDE (PAM)   |     |    |   |
| 330      | M   | COIR FIBER BAFFLES   |     |    |   |
| 3        | EA  | ***MM SKIMMER (38MM)   |     |    |   |
| 5        | EA  | ***MM SKIMMER (51MM)   |     |    |   |
| 1        | EA  | ***MM SKIMMER (76MM)   |     |    |   |
| 63.5     | HA  | SEEDING & MULCHING   |     |    |   |
| 39.5     | HA  | MOWING   |     |    |   |
| 850      | KG  | SEED FOR REPAIR SEEDING  |     |    |   |
| 3        | MTN | FERTILIZER FOR REPAIR SEEDING  |     |    |   |
| 1,775    | KG  | SEED FOR SUPPLEMENTAL SEEDING  |     |    |   |
| 105.75   | MTN | FERTILIZER TOPDRESSING   |     |    |   |
| 169      | HR  | SPECIALIZED HAND MOWING  |     |    |   |
| 27       | EA  | RESPONSE FOR EROSION CONTROL   |     |    |   |
| 0.5      | HA  | REFORESTATION  |     |    |   |
| Lump Sum | LS  | GENERIC EROSION CONTROL ITEM<br>REMOVAL OF EROSION CONTROL DEVICES       |     |    |   |
| 33.5     | HA  | GENERIC EROSION CONTROL ITEM<br>LIMESTONE FOR SOIL AMENDMENT             |     |    |   |
| 280      | M   | SIGNAL CABLE   |     |    |   |
| 10       | EA  | VEHICLE SIGNAL HEAD (300MM, 3 SECTION)                                   |     |    |   |

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

L080916 015

CONTRACT ID : C201902 34554.3.1

DIV OFFICE SYLVA

LENGTH = 3.846 MI

COUNTY : IREDELL

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

DBE GOAL 9.0% COMPLETION DATE : JUL 15 2011

SR-1100 (BRAWLEY SCHOOL RD) FROM SOUTH OF SR-1222 TO EAST OF SR-1109.

| ROADWAY ITEMS |         |                               |        |     |   |
|---------------|---------|-------------------------------|--------|-----|---|
|               |         |                               | 3.4    | CY  | ENDWALLS  |
|               |         |                               | 1      | CY  | PIPE COLLARS  |
|               |         |                               | 1      | CY  | PIPE PLUGS  |
|               |         |                               | 25     | CY  | FLOWABLE FILL   |
| Lump Sum      | LS      | MOBILIZATION                  | 338    | EA  | MASONRY DRAINAGE STRUCTURES                             |
| Lump Sum      | LS      | CONSTRUCTION SURVEYING        | 131    | LF  | MASONRY DRAINAGE STRUCTURES                             |
| Lump Sum      | LS      | CLEARING & GRUBBING . ACRE(S) | 68     | EA  | FRAME WITH TWO GRATES, STD 840.16                       |
|               | 1       | ACR                           | 28     | EA  | FRAME WITH TWO GRATES, STD 840.24                       |
|               | 5       | EA                            | 7      | EA  | FRAME WITH TWO GRATES, STD 840.29                       |
|               | 22,700  | CY                            | 42     | EA  | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)        |
|               | 11,450  | CY                            | 72     | EA  | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)        |
|               | 10,500  | TON                           | 120    | EA  | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)        |
|               | 200,000 | CY                            | 3      | EA  | FRAME WITH COVER, STD 840.54                            |
|               | 750     | CY                            | 1,240  | LF  | ***X*** CONCRETE CURB (8" x 18")                        |
|               | 1,000   | LF                            | 370    | LF  | **.*** CONCRETE CURB & GUTTER (2'-0")                   |
|               | 16,340  | SY                            | 31,320 | LF  | 1'-6" CONCRETE CURB & GUTTER                            |
|               | 6,990   | SY                            | 60,700 | LF  | 2'-6" CONCRETE CURB & GUTTER                            |
|               | 40      | HR                            | 4      | EA  | MODIFIED CONCRETE FLUME                                 |
|               | 2,000   | CY                            | 22,210 | SY  | 4" CONCRETE SIDEWALK                                    |
|               | 16,650  | SY                            | 150    | EA  | CONCRETE WHEELCHAIR RAMPS                               |
|               | 3,182   | TON                           | 3,290  | SY  | 6" CONCRETE DRIVEWAY                                    |
|               | 644     | LF                            | 60     | SY  | 4" CONCRETE PAVED DITCH                                 |
|               | 160     | LF                            | 4,550  | SY  | 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)               |
|               | 24      | LF                            | 1      | EA  | ADJUSTMENT OF CATCH BASINS                              |
|               | 100     | LF                            | 13     | EA  | ADJUSTMENT OF MANHOLES                                  |
|               | 7,207   | LF                            | 3      | EA  | CONVERT EXISTING CATCH BASIN TO JUNCTION BOX            |
| Lump Sum      | LS      | FINE GRADING                  | 3      | EA  | CONVERT EXISTING DROP INLET TO JUNCTION BOX             |
|               | 56,810  | SY                            | 1,100  | LF  | STEEL BM GUARDRAIL                                      |
|               | 570     | TON                           | 2      | EA  | STEEL BM GUARDRAIL TERMINAL SECTIONS                    |
|               | 1,500   | TON                           | 10     | EA  | ADDITIONAL GUARDRAIL POSTS                              |
|               | 57,500  | TON                           | 7      | EA  | GUARDRAIL ANCHOR UNITS, TYPE CAT-1                      |
|               | 37,870  | SY                            | 7      | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                        |
|               | 1,042   | TON                           | 650    | TON | RIP RAP, CLASS I  |
|               | 14,210  | GAL                           | 165    | TON | RIP RAP, CLASS B  |
|               | 2,000   | TON                           | 3,490  | SY  | FILTER FABRIC FOR DRAINAGE                              |
|               | 260     | GAL                           | 4,086  | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                          |
|               | 610     | SY                            | 271    | EA  | SIGN ERECTION, TYPE E                                   |
|               | 44,560  | SY                            | 5      | EA  | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D) |
|               | 7,120   | TON                           | 80     | EA  | DISPOSAL OF SIGN SYSTEM, U-CHANNEL                      |
|               | 24,540  | TON                           | 799    | SF  | WORK ZONE SIGNS (STATIONARY)                            |
|               | 8,475   | TON                           | 192    | SF  | WORK ZONE SIGNS (PORTABLE)                              |
|               | 35,390  | TON                           | 45     | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                     |
|               | 7,630   | TON                           | 1      | EA  | FLASHING ARROW PANELS, TYPE C                           |
|               | 27,515  | TON                           | 3      | EA  | CHANGEABLE MESSAGE SIGN                                 |
|               | 2,975   | TON                           | 40     | DAY | CHANGEABLE MESSAGE SIGN (SHORT TERM)                    |
|               | 4,085   | TON                           | 400    | EA  | DRUMS   |
|               | 1,655   | TON                           | 1,325  | LF  | BARRICADES (TYPE III)                                   |
|               | 380     | TON                           | 600    | MD  | FLAGGER   |
|               | 336     | CY                            | 1      | EA  | TMIA  |
|               | 168     | CY                            | 548    | LF  | WATER FILLED BARRIER                                    |
|               | 1,000   | LF                            | 300    | HR  | POLICE  |
|               | 30      | EA                            | 2,800  | EA  | TEMPORARY RAISED PAVEMENT MARKERS                       |
|               | 2       | EA                            | 29     | EA  | THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)     |
|               | 12      | LF                            | 306    | EA  | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)         |
|               | 20      | TON                           |        |     |   |

|          |     |  |  |        |     |  |
|----------|-----|--|--|--------|-----|--|
|          |     |  |  | 1      | EA  | *** SKIMMER (3")   |
|          |     |  |  | 2      | EA  | *** SKIMMER (4")   |
| 556,950  | LF  | PAINT PAVEMENT MARKING LINES (4")  |  | 109.5  | ACR | SEEDING & MULCHING   |
| 14,930   | LF  | PAINT PAVEMENT MARKING LINES (8")  |  | 60     | ACR | MOWING   |
| 4,600    | LF  | PAINT PAVEMENT MARKING LINES (24")   |  | 750    | LB  | SEED FOR REPAIR SEEDING  |
| 58       | EA  | PAINT PAVEMENT MARKING CHARACTER   |  | 2      | TON | FERTILIZER FOR REPAIR SEEDING  |
| 612      | EA  | PAINT PAVEMENT MARKING SYMBOL  |  | 2,400  | LB  | SEED FOR SUPPLEMENTAL SEEDING  |
| 128,350  | LF  | POLYUREA PAVEMENT MARKING LINES (4", *****)<br>(STANDARD GLASS BEADS)                            |  | 71.75  | TON | FERTILIZER TOPDRESSING   |
| 7,265    | LF  | POLYUREA PAVEMENT MARKING LINES (8", *****)<br>(STANDARD GLASS BEADS)                            |  | 3.5    | HR  | SPECIALIZED HAND MOWING  |
| 1,600    | LF  | POLYUREA PAVEMENT MARKING LINES (24", *****)<br>(STANDARD GLASS BEADS)                           |  | 54     | EA  | RESPONSE FOR EROSION CONTROL   |
| 703      | EA  | SNOWPLOWABLE PAVEMENT MARKERS  |  | 0.75   | ACR | REFORESTATION  |
| 6        | EA  | 7" U-CHANNEL POSTS   |  | 30     | EA  | PEDESTRIAN SIGNAL HEAD (***, ** SECTION)<br>(16", 1 SECTION W/COUNTDOWN) |
| 6        | EA  | OBJECT MARKERS (END OF ROAD)   |  | 21,460 | LF  | SIGNAL CABLE   |
| Lump Sum | LS  | PORTABLE LIGHTING  |  | 4      | EA  | VEHICLE SIGNAL HEAD (12", 1 SECTION)                                     |
| 250      | LF  | 2" WATER LINE  |  | 96     | EA  | VEHICLE SIGNAL HEAD (12", 3 SECTION)                                     |
| 203      | LF  | 12" WATER LINE   |  | 7      | EA  | VEHICLE SIGNAL HEAD (12", 4 SECTION)                                     |
| 35       | LF  | 20" WATER LINE   |  | 25     | EA  | VEHICLE SIGNAL HEAD (12", 5 SECTION)                                     |
| 1        | EA  | 2" VALVE   |  | 20,100 | LF  | MESSENGER CABLE (1/4")   |
| 12       | EA  | RELOCATE WATER METER   |  | 6,680  | LF  | MESSENGER CABLE (3/8")   |
| 5        | EA  | RECONNECT WATER METER  |  | 150    | LF  | TRACER WIRE  |
| 1        | EA  | RELOCATE FIRE HYDRANT  |  | 500    | LF  | PAVED TRENCHING (*****)<br>(1, 2")                                       |
| 16       | LF  | 8" SANITARY GRAVITY SEWER  |  | 4,560  | LF  | UNPAVED TRENCHING (*****)<br>(1, 2")                                     |
| 1        | EA  | 4" DIA UTILITY MANHOLE   |  | 40     | LF  | DIRECTIONAL DRILL (*****)<br>(1, 2")                                     |
| 7        | LF  | UTILITY MANHOLE WALL, 4" DIA   |  | 43     | EA  | JUNCTION BOX (STANDARD SIZE)   |
| 190      | LF  | ABANDON 12" UTILITY PIPE   |  | 6      | EA  | JUNCTION BOX (OVER-SIZED, HEAVY DUTY)                                    |
| 20       | LF  | ABANDON 20" UTILITY PIPE   |  | 23     | EA  | WOOD POLE  |
| 1        | EA  | GENERIC UTILITY ITEM<br>RELOCATE 1" RPZ BACKFLOW PREVENTION ASSEMBLY WITH NEW VAULT              |  | 94     | EA  | GUY ASSEMBLY   |
| 4        | EA  | GENERIC UTILITY ITEM<br>RELOCATE 1-1/2" WATER METER WITH NEW VAULT                               |  | 6      | EA  | 1" RISER WITH WEATHERHEAD  |
| 3        | EA  | GENERIC UTILITY ITEM<br>RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY                             |  | 22     | EA  | 2" RISER WITH WEATHERHEAD  |
| 1        | EA  | GENERIC UTILITY ITEM<br>RELOCATE 2" RPZ BACKFLOW PREVENTION ASSEMBLY WITH NEW VAULT              |  | 6      | EA  | 2" RISER WITH HEAT SHRINK TUBING   |
| 9        | EA  | GENERIC UTILITY ITEM<br>RELOCATE 2" WATER METER WITH NEW VAULT                                   |  | 9,120  | LF  | INDUCTIVE LOOP SAWCUT  |
| 3        | EA  | GENERIC UTILITY ITEM<br>RELOCATE FIRE HYDRANT AND ADJUST VALVE<br>BOX TO PROPOSED FINISHED GRADE |  | 28,560 | LF  | LEAD-IN CABLE (*****)<br>(14-2)  |
| 10       | EA  | GENERIC UTILITY ITEM<br>RELOCATE FIRE HYDRANT WITH NEW 6" GATE VALVE                             |  | 6      | EA  | SITE SURVEY  |
| 1        | EA  | GENERIC UTILITY ITEM<br>REMOVE EXISTING SANITARY SEWER PUMP STATION                              |  | 21     | EA  | LUMINAIRE ARM FOR VIDEO SYSTEM   |
| 12,290   | LF  | TEMPORARY SILT FENCE   |  | 21     | EA  | CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT                    |
| 2,525    | TON | STONE FOR EROSION CONTROL, CLASS A   |  | 6      | EA  | EXTERNAL LOOP EMULATOR PROCESSING UNIT                                   |
| 5,680    | TON | STONE FOR EROSION CONTROL, CLASS B   |  | 7      | EA  | RELOCATE CAMERA SENSOR UNIT  |
| 6,640    | TON | SEDIMENT CONTROL STONE   |  | 22,820 | LF  | COMMUNICATIONS CABLE (**FIBER)<br>(12)                                   |
| 87.5     | ACR | TEMPORARY MULCHING   |  | 1      | EA  | SPLICE ENCLOSURE   |
| 3,650    | LB  | SEED FOR TEMPORARY SEEDING   |  | 6      | EA  | INTERCONNECT CENTER  |
| 15.5     | TON | FERTILIZER FOR TEMPORARY SEEDING   |  | 6      | EA  | FIBER-OPTIC TRANSCEIVER, DROP & REPEAT                                   |
| 290      | LF  | TEMPORARY SLOPE DRAINS   |  | 6      | EA  | DELINEATOR MARKER  |
| 1        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS   |  | 1      | EA  | FURNISH FIBER-OPTIC RESTORATION KIT                                      |
| 875      | LF  | SAFETY FENCE   |  | 1      | EA  | FURNISH FIBER-OPTIC POWER METER  |
| 27,570   | CY  | SILT EXCAVATION  |  | 1      | EA  | FURNISH OPTICAL LIGHT GENERATOR  |
| 31,000   | SY  | MATting FOR EROSION CONTROL  |  | 1      | EA  | FURNISH FIBER-OPTIC TRANSCEIVER  |
| 160      | SY  | COIR FIBER MAT   |  | 24     | EA  | METAL STRAIN SIGNAL POLE   |
| 2,765    | SY  | PERMANENT SOIL REINFORCEMENT MAT   |  | 24     | EA  | SOIL TEST  |
| 6,390    | LF  | 1/4" HARDWARE CLOTH  |  | 144    | CY  | DRILLED PIER FOUNDATION  |
| 1,740    | LF  | WATTLE   |  | 15     | EA  | SIGNAL PEDESTAL WITH FOUNDATION  |
| 1,088    | LB  | POLYACRYLAMIDE (PAM)   |  | 31     | EA  | SIGN FOR SIGNALS   |
| 2,325    | LF  | COIR FIBER BAFFLES   |  | 5      | EA  | SIGNAL CABINET FOUNDATION  |
| 12       | EA  | *** SKIMMER (1-1/2")   |  | 5      | EA  | CABINET BASE ADAPTER   |
| 10       | EA  | *** SKIMMER (2")   |  | 5      | EA  | CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)                       |
| 1        | EA  | *** SKIMMER (2-1/2")   |  | 1      | EA  | CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)                       |
|          |     |  |  | 82     | EA  | DETECTOR CARD (TYPE 2070L)   |
|          |     |  |  | 1      | EA  | BEACON CONTROLLER ASSEMBLY & CABINET (*****)<br>(TYPE F1)                |
|          |     |  |  | 1      | EA  | TRAFFIC SIGNAL REMOVAL   |
|          |     |  |  | 6      | EA  | GENERIC SIGNAL ITEM<br>GPS UNIT  |
|          |     |  |  | 1      | EA  | GENERIC SIGNAL ITEM<br>WOOD POLE (50')                                   |
|          |     |  |  | 293    | SF  | GENERIC RETAINING WALL ITEM<br>GRAVITY RETAINING WALL (LOCATION #6)      |

|        |    |   |  |     |    |  |
|--------|----|---|--|-----|----|--|
| 550    | LF | GENERIC RETAINING WALL ITEM<br>STEEL PIPE HANDRAIL FOR<br>RETAINING WALLS         |  | 216 | SF | GENERIC RETAINING WALL ITEM<br>SEGMENTAL GRAVITY RETAINING<br>WALL (LOCATION #2) |
|        |    |   |  |     |    | *** END SCHEDULE AC ***  |
|        |    | ***** BEGIN SCHEDULE AA *****<br>***** ( 3 ALTERNATES ) *****                     |  |     |    | ***** BEGIN SCHEDULE AD *****<br>***** ( 2 ALTERNATES ) *****                    |
| 16,002 | LF | 15" RC PIPE CULVERTS, CLASS<br>III  |  | 359 | SF | GENERIC RETAINING WALL ITEM<br>GRAVITY RETAINING WALL<br>(LOCATION #3)           |
| 5,050  | LF | 18" RC PIPE CULVERTS, CLASS<br>III  |  |     |    | *** OR ***   |
| 6,058  | LF | 24" RC PIPE CULVERTS, CLASS<br>III  |  | 359 | SF | GENERIC RETAINING WALL ITEM<br>SEGMENTAL GRAVITY RETAINING<br>WALL (LOCATION #3) |
| 712    | LF | 30" RC PIPE CULVERTS, CLASS<br>III  |  |     |    | *** END SCHEDULE AD ***  |
| 696    | LF | 36" RC PIPE CULVERTS, CLASS<br>III  |  |     |    | ***** BEGIN SCHEDULE AE *****<br>***** ( 2 ALTERNATES ) *****                    |
|        |    | *** OR ***  |  |     |    |  |
| 13,990 | LF | 15" RC PIPE CULVERTS, CLASS<br>III  |  | 333 | SF | GENERIC RETAINING WALL ITEM<br>GRAVITY RETAINING WALL<br>(LOCATION #4)           |
| 4,190  | LF | 18" RC PIPE CULVERTS, CLASS<br>III  |  |     |    | *** OR ***   |
| 4,326  | LF | 24" RC PIPE CULVERTS, CLASS<br>III  |  | 333 | SF | GENERIC RETAINING WALL ITEM<br>SEGMENTAL GRAVITY RETAINING<br>WALL (LOCATION #4) |
| 568    | LF | 30" RC PIPE CULVERTS, CLASS<br>III  |  |     |    | *** END SCHEDULE AE ***  |
| 408    | LF | 36" RC PIPE CULVERTS, CLASS<br>III  |  |     |    | ***** BEGIN SCHEDULE AF *****<br>***** ( 2 ALTERNATES ) *****                    |
| 2,012  | LF | **** HDPE PIPE CULVERTS<br>(15")  |  | 270 | SF | GENERIC RETAINING WALL ITEM<br>GRAVITY RETAINING WALL<br>(LOCATION #5)           |
| 860    | LF | **** HDPE PIPE CULVERTS<br>(18")  |  |     |    | *** OR ***   |
| 1,732  | LF | **** HDPE PIPE CULVERTS<br>(24")  |  | 270 | SF | GENERIC RETAINING WALL ITEM<br>SEGMENTAL GRAVITY RETAINING<br>WALL (LOCATION #5) |
| 144    | LF | **** HDPE PIPE CULVERTS<br>(30")  |  |     |    | *** END SCHEDULE AF ***  |
| 288    | LF | **** HDPE PIPE CULVERTS<br>(36")  |  |     |    |  |
|        |    | *** OR ***  |  |     |    |  |
| 13,990 | LF | 15" RC PIPE CULVERTS, CLASS<br>III  |  |     |    |  |
| 4,190  | LF | 18" RC PIPE CULVERTS, CLASS<br>III  |  |     |    |  |
| 4,326  | LF | 24" RC PIPE CULVERTS, CLASS<br>III  |  |     |    |  |
| 568    | LF | 30" RC PIPE CULVERTS, CLASS<br>III  |  |     |    |  |
| 408    | LF | 36" RC PIPE CULVERTS, CLASS<br>III  |  |     |    |  |
| 2,012  | LF | **** ALUMINIZED CORRUGATED<br>STEEL PIPE CULVERTS, ****<br>THICK<br>(15", 0.064") |  |     |    |  |
| 860    | LF | **** ALUMINIZED CORRUGATED<br>STEEL PIPE CULVERTS, ****<br>THICK<br>(18", 0.064") |  |     |    |  |
| 1,732  | LF | **** ALUMINIZED CORRUGATED<br>STEEL PIPE CULVERTS, ****<br>THICK<br>(24", 0.064") |  |     |    |  |
| 144    | LF | **** ALUMINIZED CORRUGATED<br>STEEL PIPE CULVERTS, ****<br>THICK<br>(30", 0.079") |  |     |    |  |
| 288    | LF | **** ALUMINIZED CORRUGATED<br>STEEL PIPE CULVERTS, ****<br>THICK<br>(36", 0.079") |  |     |    |  |
|        |    | *** END SCHEDULE AA ***   |  |     |    |  |
|        |    | ***** BEGIN SCHEDULE AB *****<br>***** ( 2 ALTERNATES ) *****                     |  |     |    |  |
| 267    | SF | GENERIC RETAINING WALL ITEM<br>GRAVITY RETAINING WALL<br>(LOCATION #1)            |  |     |    |  |
|        |    | *** OR ***  |  |     |    |  |
| 267    | SF | GENERIC RETAINING WALL ITEM<br>SEGMENTAL GRAVITY RETAINING<br>WALL (LOCATION #1)  |  |     |    |  |
|        |    | *** END SCHEDULE AB ***   |  |     |    |  |
|        |    | ***** BEGIN SCHEDULE AC *****<br>***** ( 2 ALTERNATES ) *****                     |  |     |    |  |
| 216    | SF | GENERIC RETAINING WALL ITEM<br>GRAVITY RETAINING WALL<br>(LOCATION #2)            |  |     |    |  |
|        |    | *** OR ***  |  |     |    |  |



FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 016

CONTRACT ID : C201926 33542.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.161 MI

COUNTY : MCDOWELL

GRADING, DRAINAGE, PAVING, AND CULVERT.

DBE GOAL 7.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER SECOND BROAD RIVER AND APPROACHES ON SR-1163.

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION                                 |
| Lump Sum | LS  | GRADING                                      |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUB-BING           |
| 10       | CY  | UNDERCUT EXCAVATION                          |
| 50       | TON | CLASS IV SUBGRADE STABILIZATION              |
| 15       | CY  | DRAINAGE DITCH EXCAVATION                    |
| 50       | CY  | SELECT GRANULAR MATERIAL                     |
| 50       | SY  | FABRIC FOR SOIL STABILIZATION                |
| 58       | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS |
| 56       | LF  | 15" SIDE DRAIN PIPE                          |
| 68       | LF  | 24" RC PIPE CULVERTS, CLASS III              |
| 68       | LF  | PIPE REMOVAL                                 |
| 64       | TON | AGGREGATE BASE COURSE                        |
| 25       | TON | INCIDENTAL STONE BASE                        |
| 522      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B        |
| 305      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A     |
| 43       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 |
| 20       | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR           |
| 20       | EA  | RIGHT OF WAY MARKERS                         |
| 12       | CY  | SUBDRAIN EXCAVATION                          |
| 9        | CY  | SUBDRAIN FINE AGGREGATE                      |
| 50       | LF  | 6" PERFORATED SUBDRAIN PIPE                  |
| 3        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS        |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET        |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)                   |
| 5        | EA  | MASONRY DRAINAGE STRUCTURES                  |
| 2        | LF  | MASONRY DRAINAGE STRUCTURES                  |
| 1        | EA  | FRAME WITH TWO GRATES, STD 840.24            |
| 4        | EA  | FRAME WITH TWO GRATES, STD 840.29            |
| 160      | LF  | SHOULDER BERM GUTTER                         |
| 225      | LF  | CONCRETE EXPRESSWAY GUTTER                   |
| 325      | LF  | STEEL BM GUARDRAIL                           |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                   |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350             |
| 4        | TON | RIP RAP, CLASS I                             |
| 5        | TON | RIP RAP, CLASS B                             |
| 205      | SY  | FILTER FABRIC FOR DRAINAGE                   |
| 375      | SF  | WORK ZONE SIGNS (STATIONARY)                 |
| 94       | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)          |
| 20       | EA  | DRUMS  |
| 64       | LF  | BARRICADES (TYPE III)                        |
| 6,798    | LF  | PAINT PAVEMENT MARKING LINES (4")            |
| 1,160    | LF  | TEMPORARY SILT FENCE                         |
| 90       | TON | STONE FOR EROSION CONTROL, CLASS A           |
| 400      | TON | STONE FOR EROSION CONTROL, CLASS B           |
| 220      | TON | SEDIMENT CONTROL STONE                       |
| 2.5      | ACR | TEMPORARY MULCHING                           |
| 100      | LB  | SEED FOR TEMPORARY SEEDING                   |
| 1.5      | TON | FERTILIZER FOR TEMPORARY SEEDING             |
| 60       | LF  | TEMPORARY SLOPE DRAINS                       |
| 2        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS   |
| 1,100    | LF  | SAFETY FENCE                                 |
| 920      | CY  | SILT EXCAVATION                              |
| 660      | SY  | MATTING FOR EROSION CONTROL                  |
| 10       | SY  | COIR FIBER MAT                               |

|                               |     |  |
|-------------------------------|-----|--|
| 40                            | SY  | PERMANENT SOIL REINFORCEMENT MAT   |
| 100                           | LF  | 1/4" HARDWARE CLOTH  |
| 3                             | EA  | SPECIAL STILLING BASINS  |
| 260                           | LF  | COIR FIBER BAFFLES   |
| 1                             | EA  | *** SKIMMER (1-1/2")   |
| 3                             | ACR | SEEDING & MULCHING   |
| 2                             | ACR | MOWING   |
| 50                            | LB  | SEED FOR REPAIR SEEDING  |
| 0.25                          | TON | FERTILIZER FOR REPAIR SEEDING  |
| 80                            | LB  | SEED FOR SUPPLEMENTAL SEEDING  |
| 2                             | TON | FERTILIZER TOPDRESSING   |
| 350                           | LF  | IMPERVIOUS DIKE  |
| 2                             | HR  | SPECIALIZED HAND MOWING  |
| 27                            | EA  | RESPONSE FOR EROSION CONTROL   |
| 0.26                          | ACR | REFORESTATION  |
| ***** BEGIN SCHEDULE AA ***** |     |  |
| ***** (3 ALTERNATES) *****    |     |  |
| 136                           | LF  | 15" RC PIPE CULVERTS, CLASS III  |
| 284                           | LF  | 18" RC PIPE CULVERTS, CLASS III  |
| *** OR ***                    |     |  |
| 60                            | LF  | 15" RC PIPE CULVERTS, CLASS III  |
| 236                           | LF  | 18" RC PIPE CULVERTS, CLASS III  |
| 76                            | LF  | **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (15", 0.064") |
| 48                            | LF  | **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (18", 0.064") |
| *** OR ***                    |     |  |
| 60                            | LF  | 15" RC PIPE CULVERTS, CLASS III  |
| 236                           | LF  | 18" RC PIPE CULVERTS, CLASS III  |
| 76                            | LF  | **** HDPE PIPE CULVERTS (15")  |
| 48                            | LF  | **** HDPE PIPE CULVERTS (18")  |
| *** END SCHEDULE AA ***       |     |  |

CULVERT ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+67.00-L-)                            |
| 61.3     | CY  | CLASS A CONCRETE (CULVERT)  |
| 86.6     | TON | RIP RAP, CLASS ** (I)   |
| Lump Sum | LS  | GENERIC CULVERT ITEM PRECAST REINFORCED CONCRETE 3-SIDED CULVERT AT STATION 14+67.00-L- |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 017

CONTRACT ID : C201927 33600.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.241 MI

COUNTY : RUTHERFORD

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : AUG 01 2010

BRIDGE OVER BROAD RIVER AND APPROACHES ON US-64.

ROADWAY ITEMS

|          |      |   |        |     |   |
|----------|------|---|--------|-----|---|
|          |      |   | 50     | TON | RIP RAP, CLASS B  |
|          |      |   | 1,360  | SY  | FILTER FABRIC FOR DRAINAGE                                      |
|          |      |   | 276    | SF  | WORK ZONE SIGNS (STATIONARY)                                    |
|          |      |   | 192    | SF  | WORK ZONE SIGNS (PORTABLE)                                      |
|          |      |   | 56     | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                             |
|          |      |   | 75     | EA  | DRUMS   |
|          |      |   | 120    | LF  | BARRICADES (TYPE III)   |
|          |      |   | 102    | MD  | FLAGGER   |
|          |      |   | 3      | EA  | TEMPORARY CRASH CUSHIONS  |
|          |      |   | 3      | EA  | RESET TEMPORARY CRASH CUSHIONS                                  |
|          |      |   | 2      | EA  | TMIA  |
|          |      |   | 225    | LF  | PORTABLE CONCRETE BARRIER                                       |
|          |      |   | 275    | LF  | PORTABLE CONCRETE BARRIER (ANCHORED)                            |
|          |      |   | 330    | LF  | RESET PORTABLE CONCRETE BARRIER                                 |
|          |      |   | 51     | EA  | TEMPORARY RAISED PAVEMENT MARKERS                               |
|          |      |   | 2,806  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)              |
|          |      |   | 2,380  | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)             |
|          |      |   | 55     | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)            |
|          |      |   | 1,177  | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (III) |
|          |      |   | 1,177  | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)  |
|          |      |   | 14,854 | LF  | PAINT PAVEMENT MARKING LINES (4")                               |
|          |      |   | 210    | LF  | PAINT PAVEMENT MARKING LINES (24")                              |
|          |      |   | 3,840  | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")                          |
|          |      |   | 50     | LF  | REMOVAL OF PAVEMENT MARKING LINES (24")                         |
|          |      |   | 5      | EA  | PERMANENT RAISED PAVEMENT MARKERS                               |
|          |      |   | 20     | EA  | SNOWPLOWABLE PAVEMENT MARKERS                                   |
|          |      |   | 190    | LF  | 6" WATER LINE   |
|          |      |   | 2      | EA  | 6" VALVE  |
|          |      |   | 1      | EA  | RELOCATE WATER METER  |
|          |      |   | 2      | EA  | RELOCATE FIRE HYDRANT   |
|          |      |   | 20     | TON | GENERIC UTILITY ITEM FOUNDATION CONDITIONING MATERIAL           |
|          |      |   | 800    | LF  | TEMPORARY SILT FENCE  |
|          |      |   | 360    | TON | STONE FOR EROSION CONTROL, CLASS A                              |
|          |      |   | 225    | TON | STONE FOR EROSION CONTROL, CLASS B                              |
|          |      |   | 485    | TON | SEDIMENT CONTROL STONE  |
|          |      |   | 1.5    | ACR | TEMPORARY MULCHING  |
|          |      |   | 100    | LB  | SEED FOR TEMPORARY SEEDING                                      |
|          |      |   | 1.25   | TON | FERTILIZER FOR TEMPORARY SEEDING                                |
|          |      |   | 100    | LF  | TEMPORARY SLOPE DRAINS  |
|          |      |   | 3      | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                      |
|          |      |   | 650    | LF  | SAFETY FENCE  |
|          |      |   | 470    | CY  | SILT EXCAVATION   |
|          |      |   | 900    | SY  | MATTING FOR EROSION CONTROL                                     |
|          |      |   | 10     | SY  | COIR FIBER MAT  |
|          |      |   | 90     | SY  | PERMANENT SOIL REINFORCEMENT MAT                                |
|          |      |   | 375    | LF  | 1/4" HARDWARE CLOTH   |
|          |      |   | 12     | EA  | SPECIAL STILLING BASINS   |
|          |      |   | 55     | LF  | COIR FIBER BAFFLES  |
|          |      |   | 1      | EA  | *** SKIMMER (1-1/2")  |
|          |      |   | 2.5    | ACR | SEEDING & MULCHING  |
|          |      |   | 1      | ACR | MOWING  |
|          |      |   | 50     | LB  | SEED FOR REPAIR SEEDING   |
|          |      |   | 0.25   | TON | FERTILIZER FOR REPAIR SEEDING                                   |
|          |      |   | 50     | LB  | SEED FOR SUPPLEMENTAL SEEDING                                   |
|          |      |   | 1.25   | TON | FERTILIZER TOPDRESSING  |
| Lump Sum | LS   | MOBILIZATION  |        |     |   |
| Lump Sum | LS   | REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+02.00) |        |     |   |
| Lump Sum | LS   | GRADING   |        |     |   |
|          | 1    | ACR   |        |     | SUPPLEMENTARY CLEARING & GRUBBING                               |
|          | 20   | CY  |        |     | UNDERCUT EXCAVATION   |
|          | 150  | TON   |        |     | CLASS IV SUBGRADE STABILIZATION                                 |
|          | 30   | CY  |        |     | DRAINAGE DITCH EXCAVATION                                       |
|          | 150  | CY  |        |     | SELECT GRANULAR MATERIAL  |
|          | 150  | SY  |        |     | FABRIC FOR SOIL STABILIZATION                                   |
|          | 375  | SF  |        |     | TEMPORARY SHORING   |
|          | 73   | TON   |        |     | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                    |
|          | 24   | LF  |        |     | 15" SIDE DRAIN PIPE   |
|          | 564  | LF  |        |     | 15" RC PIPE CULVERTS, CLASS III                                 |
|          | 52   | LF  |        |     | 18" RC PIPE CULVERTS, CLASS III                                 |
|          | 60   | LF  |        |     | 36" RC PIPE CULVERTS, CLASS III                                 |
|          | 12   | LF  |        |     | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK              |
|          | 136  | LF  |        |     | PIPE REMOVAL  |
|          | 25   | TON   |        |     | INCIDENTAL STONE BASE   |
|          | 290  | SY  |        |     | MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")                   |
|          | 750  | TON   |        |     | ASPHALT CONC BASE COURSE, TYPE B25.0B                           |
|          | 470  | TON   |        |     | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B                   |
|          | 820  | TON   |        |     | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                         |
|          | 105  | TON   |        |     | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                    |
|          | 20   | TON   |        |     | ASPHALT PLANT MIX, PAVEMENT REPAIR                              |
|          | 34   | EA  |        |     | RIGHT OF WAY MARKERS  |
|          | 23   | CY  |        |     | SUBDRAIN EXCAVATION   |
|          | 17   | CY  |        |     | SUBDRAIN FINE AGGREGATE   |
|          | 100  | LF  |        |     | 6" PERFORATED SUBDRAIN PIPE                                     |
|          | 3    | EA  |        |     | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                           |
|          | 1    | EA  |        |     | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                           |
|          | 6    | LF  |        |     | 6" OUTLET PIPE (SUBDRAINS)                                      |
|          | 11   | EA  |        |     | MASONRY DRAINAGE STRUCTURES                                     |
|          | 10   | LF  |        |     | MASONRY DRAINAGE STRUCTURES                                     |
|          | 2    | EA  |        |     | FRAME WITH TWO GRATES, STD 840.22                               |
|          | 8    | EA  |        |     | FRAME WITH TWO GRATES, STD 840.29                               |
|          | 1    | EA  |        |     | FRAME WITH COVER, STD 840.54                                    |
|          | 115  | LF  |        |     | SHOULDER BERM GUTTER  |
|          | 600  | LF  |        |     | CONCRETE EXPRESSWAY GUTTER                                      |
|          | 260  | SY  |        |     | 4" CONCRETE PAVED DITCH   |
|          | 675  | LF  |        |     | STEEL BM GUARDRAIL  |
|          | 75   | LF  |        |     | STEEL BM GUARDRAIL, SHOP CURVED                                 |
|          | 5    | EA  |        |     | ADDITIONAL GUARDRAIL POSTS                                      |
|          | 1    | EA  |        |     | GUARDRAIL ANCHOR UNITS, TYPE AT-1                               |
|          | 4    | EA  |        |     | GUARDRAIL ANCHOR UNITS, TYPE III                                |
|          | 5    | EA  |        |     | GUARDRAIL ANCHOR UNITS, TYPE 350                                |
|          | 155  | LF  |        |     | REMOVE EXISTING GUARDRAIL                                       |
|          | 62.5 | LF  |        |     | TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)                      |
|          | 1    | EA  |        |     | GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77 SHOP CURVED) |
|          | 7    | TON   |        |     | RIP RAP, CLASS I  |

|     |    |                              |
|-----|----|------------------------------|
| 2.5 | HR | SPECIALIZED HAND MOWING      |
| 12  | EA | RESPONSE FOR EROSION CONTROL |

### WALL ITEMS

|       |    |  |
|-------|----|--|
| 7,815 | SF | SOIL NAIL RETAINING WALLS  |
| 16    | EA | GENERIC RETAINING WALL ITEM<br>SOIL NAIL WALL PROOF TESTS          |
| 2     | EA | GENERIC RETAINING WALL ITEM<br>SOIL NAIL WALL VERFICATION<br>TESTS |

### STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | CONSTRUCTION, MAINTENANCE, &<br>REMOVAL OF TEMP ACCESS AT STA<br>*****<br>(19+02.00-L-) |
| 78       | LF  | PILE EXCAVATION IN SOIL   |
| 52       | LF  | PILE EXCAVATION NOT IN SOIL   |
| 50       | LF  | 4'-0" DIA DRILLED PIERS IN SO<br>IL   |
| 91       | LF  | 4'-0" DIA DRILLED PIERS NOT IN<br>SOIL  |
| 104.8    | LF  | PERMANENT STEEL CASING FOR<br>4'-0" DIA DRILLED PIER                                    |
| 1        | EA  | SID INSPECTION  |
| 2        | EA  | CROSSHOLE SONIC LOGGING   |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVA-<br>TION AT STATION *****<br>(19+02.00-L-)                |
| 11,502   | SF  | REINFORCED CONCRETE DECK SLAB   |
| 7,629    | SF  | GROOVING BRIDGE FLOORS  |
| 185.4    | CY  | CLASS A CONCRETE (BRIDGE)   |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION<br>*****<br>(19+02.00-L-)                                |
| 42,093   | LB  | REINFORCING STEEL (BRIDGE)  |
| 4,793    | LB  | SPIRAL COLUMN REINFORCING<br>STEEL (BRIDGE)   |
| 1,726.2  | LF  | 54" PRESTRESSED CONCRETE GIR-<br>DERS   |
| 280      | LF  | HP12X53 STEEL PILES   |
| 130      | LF  | HP14X73 STEEL PILES   |
| 14       | EA  | STEEL PILE POINTS   |
| 585.32   | LF  | TWO BAR METAL RAIL  |
| 602.33   | LF  | 1'-***X ***** CONCRETE PARA-<br>PET<br>(1'-2" X 2'-6")                                  |
| 463      | TON | RIP RAP CLASS II (2'-0" THICK)  |
| 514      | SY  | FILTER FABRIC FOR DRAINAGE  |
| Lump Sum | LS  | ELASTOMERIC BEARINGS  |
| Lump Sum | LS  | EVAZOTE JOINT SEALS   |
| Lump Sum | LS  | GENERIC STRUCTURE ITEM<br>PARTIAL REMOVAL OF EXISTING<br>STRUCTURE AT STA 19+02.00-L-   |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 018

CONTRACT ID : C201928 33605.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.133 MI

COUNTY : RUTHERFORD

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER CATHEY'S CREEK AND APPROACHES ON SR-1549.

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION   |
| 1,750    | CY  | UNCLASSIFIED EXCAVATION  |
| Lump Sum | LS  | BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ***** (15+34.93) |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUBBING                                  |
| 50       | CY  | UNDERCUT EXCAVATION  |
| Lump Sum | LS  | GRADING  |
| 100      | TON | CLASS IV SUBGRADE STABILIZATION                                    |
| 200      | CY  | SELECT GRANULAR MATERIAL   |
| 200      | SY  | FABRIC FOR SOIL STABILIZATION                                      |
| 6.5      | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                       |
| 60       | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK                 |
| 4        | EA  | 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK                   |
| 30       | TON | INCIDENTAL STONE BASE  |
| 422      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                              |
| 227      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A                           |
| 33       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                       |
| 30       | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR                                 |
| 21       | EA  | RIGHT OF WAY MARKERS   |
| 44.8     | CY  | SUBDRAIN EXCAVATION  |
| 33.6     | CY  | SUBDRAIN FINE AGGREGATE  |
| 200      | LF  | 6" PERFORATED SUBDRAIN PIPE  |
| 6        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS                              |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET                              |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)   |
| 2        | EA  | MASONRY DRAINAGE STRUCTURES  |
| 2        | EA  | FRAME WITH TWO GRATES, STD 840.29                                  |
| 130      | LF  | SHOULDER BERM GUTTER   |
| 87.5     | LF  | STEEL BM GUARDRAIL   |
| 137.5    | LF  | STEEL BM GUARDRAIL, SHOP CURVED                                    |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS   |
| 1        | EA  | GUARDRAIL ANCHOR UNITS, TYPE AT-1                                  |
| 3        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350                                   |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE B-77                                  |
| 2        | TON | RIP RAP, CLASS B   |
| 2,110    | SY  | FILTER FABRIC FOR DRAINAGE   |
| 400      | SF  | WORK ZONE SIGNS (STATIONARY)                                       |
| 100      | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                                |
| 50       | LF  | BARRICADES (TYPE III)  |
| 6,000    | LF  | PAINT PAVEMENT MARKING LINES (4")                                  |
| 3,300    | LF  | TEMPORARY SILT FENCE   |
| 495      | TON | STONE FOR EROSION CONTROL, CLASS A                                 |
| 80       | TON | STONE FOR EROSION CONTROL, CLASS B                                 |
| 50       | TON | SEDIMENT CONTROL STONE   |
| 1.5      | ACR | TEMPORARY MULCHING   |
| 50       | LB  | SEED FOR TEMPORARY SEEDING   |
| 0.25     | TON | FERTILIZER FOR TEMPORARY SEEDING                                   |
| 75       | LF  | TEMPORARY SLOPE DRAINS   |
| 1        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                         |
| 200      | LF  | SAFETY FENCE   |
| 125      | CY  | SILT EXCAVATION  |
| 6,100    | SY  | MATTING FOR EROSION CONTROL  |

|      |     |                                  |
|------|-----|----------------------------------|
| 425  | SY  | PERMANENT SOIL REINFORCEMENT MAT |
| 50   | LF  | 1/4" HARDWARE CLOTH              |
| 50   | LF  | WATTLE                           |
| 20   | LB  | POLYACRYLAMIDE (PAM)             |
| 100  | LF  | COIR FIBER BAFFLES               |
| 2    | ACR | SEEDING & MULCHING               |
| 0.5  | ACR | MOWING                           |
| 50   | LB  | SEED FOR REPAIR SEEDING          |
| 0.25 | TON | FERTILIZER FOR REPAIR SEEDING    |
| 50   | LB  | SEED FOR SUPPLEMENTAL SEEDING    |
| 0.75 | TON | FERTILIZER TOPDRESSING           |
| 5    | HR  | SPECIALIZED HAND MOWING          |
| 12   | EA  | RESPONSE FOR EROSION CONTROL     |

STRUCTURE ITEMS

|          |     |   |
|----------|-----|---|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+34.93 -L-)     |
| Lump Sum | LS  | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+34.93 -L-) |
| 3,870    | SF  | REINFORCED CONCRETE DECK SLAB                                     |
| 3,750    | SF  | GROOVING BRIDGE FLOORS  |
| 34       | CY  | CLASS A CONCRETE (BRIDGE)   |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION ***** (15+34.93 -L-)               |
| 6,578    | LB  | REINFORCING STEEL (BRIDGE)  |
| 114,889  | LS  | APPROX ..... LBS STRUCTURAL STEEL                                 |
| 400      | LF  | HP12X53 STEEL PILES   |
| 236.67   | LF  | CONCRETE BARRIER RAIL   |
| 307      | TON | RIP RAP CLASS II (2'-0" THICK)                                    |
| 340      | SY  | FILTER FABRIC FOR DRAINAGE  |
| Lump Sum | LS  | EVAZOTE JOINT SEALS   |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L080916 019

CONTRACT ID : C201929 33805.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.218 MI

COUNTY : RUTHERFORD

GRADING, DRAINAGE, PAVING, AND CULVERT.

DBE GOAL 5.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER WEST BRANCH MOUNTAIN CREEK AND APPROACHES ON SR-1347 (PARRIS RD).

ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION                                 |
| 1        | ACR | SUPPLEMENTARY CLEARING & GRUB-BING           |
| 25       | CY  | UNDERCUT EXCAVATION                          |
| Lump Sum | LS  | GRADING                                      |
| 100      | TON | CLASS IV SUBGRADE STABILIZATION              |
| 8,200    | CY  | BORROW EXCAVATION                            |
| 520      | CY  | DRAINAGE DITCH EXCAVATION                    |
| 500      | CY  | SELECT GRANULAR MATERIAL                     |
| 500      | SY  | FABRIC FOR SOIL STABILIZATION                |
| 20       | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS |
| 88       | LF  | 15" SIDE DRAIN PIPE                          |
| 20       | LF  | 18" SIDE DRAIN PIPE                          |
| 64       | LF  | 18" RC PIPE CULVERTS, CLASS III              |
| 83       | LF  | PIPE REMOVAL                                 |
| 160      | TON | AGGREGATE BASE COURSE                        |
| 25       | TON | INCIDENTAL STONE BASE                        |
| 105      | GAL | PRIME COAT                                   |
| 570      | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B        |
| 420      | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A     |
| 55       | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 |
| 25       | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR           |
| 19       | EA  | RIGHT OF WAY MARKERS                         |
| 5.6      | CY  | SUBDRAIN EXCAVATION                          |
| 4.2      | CY  | SUBDRAIN FINE AGGREGATE                      |
| 25       | LF  | 6" PERFORATED SUBDRAIN PIPE                  |
| 1        | EA  | 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS        |
| 1        | EA  | CONCRETE PAD FOR SUBDRAIN PIPE OUTLET        |
| 6        | LF  | 6" OUTLET PIPE (SUBDRAINS)                   |
| 350      | LF  | STEEL BM GUARDRAIL                           |
| 5        | EA  | ADDITIONAL GUARDRAIL POSTS                   |
| 4        | EA  | GUARDRAIL ANCHOR UNITS, TYPE 350             |
| 125      | TON | RIP RAP, CLASS I                             |
| 255      | TON | RIP RAP, CLASS B                             |
| 6,990    | SY  | FILTER FABRIC FOR DRAINAGE                   |
| 223      | SF  | WORK ZONE SIGNS (STATIONARY)                 |
| 57       | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)          |
| 10       | EA  | DRUMS  |
| 96       | LF  | BARRICADES (TYPE III)                        |
| 10,400   | LF  | PAINT PAVEMENT MARKING LINES (4")            |
| 1,875    | LF  | TEMPORARY SILT FENCE                         |
| 540      | TON | STONE FOR EROSION CONTROL, CLASS A           |
| 310      | TON | STONE FOR EROSION CONTROL, CLASS B           |
| 100      | TON | SEDIMENT CONTROL STONE                       |
| 3        | ACR | TEMPORARY MULCHING                           |
| 100      | LB  | SEED FOR TEMPORARY SEEDING                   |
| 0.25     | TON | FERTILIZER FOR TEMPORARY SEEDING             |
| 375      | LF  | TEMPORARY SLOPE DRAINS                       |
| 4        | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS   |
| 500      | LF  | SAFETY FENCE                                 |
| 680      | CY  | SILT EXCAVATION                              |
| 10,000   | SY  | MATTING FOR EROSION CONTROL                  |
| 150      | SY  | PERMANENT SOIL REINFORCEMENT MAT             |
| 40       | CY  | STILLING BASINS                              |
| 200      | LF  | COIR FIBER BAFFLES                           |
| 5.5      | ACR | SEEDING & MULCHING                           |
| 1.5      | ACR | MOWING                                       |
| 50       | LB  | SEED FOR REPAIR SEEDING                      |

|      |     |                               |
|------|-----|-------------------------------|
| 0.25 | TON | FERTILIZER FOR REPAIR SEEDING |
| 75   | LB  | SEED FOR SUPPLEMENTAL SEEDING |
| 1.75 | TON | FERTILIZER TOPDRESSING        |
| 375  | LF  | IMPERVIOUS DIKE               |
| 5    | HR  | SPECIALIZED HAND MOWING       |
| 12   | EA  | RESPONSE FOR EROSION CONTROL  |
| 350  | CY  | CULVERT DIVERSION CHANNEL     |
| 0.1  | ACR | REFORESTATION                 |

CULVERT ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+85.64-L-) |
| Lump Sum | LS  | CULVERT EXCAVATION, STA ***** (16+85.64-L-)                  |
| 152      | TON | FOUNDATION CONDITIONING MATERIAL, BOX CULVERT                |
| 248.5    | CY  | CLASS A CONCRETE (CULVERT)                                   |
| 47,587   | LB  | REINFORCING STEEL (CULVERT)                                  |

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

L080916 020

CONTRACT ID : C201856 39972.3.3

DIV OFFICE ASHEVILLE

LENGTH = 1.360 MI

COUNTY : MCDOWELL

MILLING, RESURFACING &amp; SHOULDER RECONSTRUCTION.

DBE GOAL 6.0% COMPLETION DATE : JUN 30 2009

I-40 FROM MP 73 TO MP 74.36.

## ROADWAY ITEMS

|          |     |  |
|----------|-----|--|
| Lump Sum | LS  | MOBILIZATION   |
| 3.19     | SMI | SHOULDER RECONSTRUCTION                              |
| 6,252    | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C        |
| 5,750    | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5C              |
| 294      | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22         |
| 345      | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22         |
| 11,215   | TON | PATCHING EXISTING PAVEMENT                           |
| 28,724   | LF  | MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)       |
| 64,640   | SY  | GENERIC PAVING ITEM MILLING ASPHALT PAVEMENT, 2-1/2" |
| 14,362   | LF  | SHOULDER DRAIN                                       |
| 14,362   | LF  | 4" SHOULDER DRAIN PIPE                               |
| 480      | LF  | 4" OUTLET PIPE FOR SHOULDER DRAINS                   |
| 48       | EA  | CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET          |
| 2        | EA  | FLASHING ARROW PANELS, TYPE C                        |
| 2        | EA  | CHANGEABLE MESSAGE SIGN                              |
| 200      | EA  | DRUMS  |
| 1        | EA  | TMIA   |
| 28,724   | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)   |
| 3,590    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)  |
| 64,628   | LF  | PAINT PAVEMENT MARKING LINES (6")                    |
| 186      | EA  | SNOWPLOWABLE PAVEMENT MARKERS                        |

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080916 021

CONTRACT ID : C201858 35025.2.2

DIV OFFICE SYLVA

LENGTH = 0.922 MI

COUNTY : HENDERSON

GRADING, DRAINAGE, PAVING &amp; SIGNALS.

MBE GOAL 2.0% WBE 5.0% COMPLETION DATE : NOV 01 2010

HENDERSONVILLE - US-64 (6TH AVE) FROM BLYTHE ST TO BUNCOMBE ST.

| ROADWAY ITEMS |     |   |          |     |  |
|---------------|-----|---|----------|-----|--|
|               |     |   | 2,000    | MD  | FLAGGER                                      |
|               |     |   | 2        | EA  | TMIA   |
|               |     |   | 100      | HR  | POLICE                                       |
|               |     |   | 25       | EA  | SKINNY DRUM                                  |
| Lump Sum      | LS  | MOBILIZATION  |          |     |  |
| Lump Sum      | LS  | GRADING   | 34,900   | LF  | PAINT PAVEMENT MARKING LINES (4")            |
| 1             | ACR | SUPPLEMENTARY CLEARING & GRUB-BING                      | 1,240    | LF  | PAINT PAVEMENT MARKING LINES (24")           |
| 87            | CY  | DRAINAGE DITCH EXCAVATION                               | 41       | EA  | PAINT PAVEMENT MARKING SYMBOL                |
| 460           | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRS            | 11,566   | LF  | POLYUREA PAVEMENT MARKING LINES (4", *****)  |
| 696           | LF  | 18" RC PIPE CULVERTS, CLASS III                         |          |     | (HIGHLY REFLECTIVE ELEMENTS)                 |
| 303           | LF  | 24" RC PIPE CULVERTS, CLASS III                         | 2,995    | LF  | POLYUREA PAVEMENT MARKING LINES (8", *****)  |
| 2,684         | LF  | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK      |          |     | (HIGHLY REFLECTIVE ELEMENTS)                 |
| 573           | LF  | 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK      | 620      | LF  | POLYUREA PAVEMENT MARKING LINES (24", *****) |
| 361           | LF  | PIPE REMOVAL  | 24       | EA  | POLYUREA PAVEMENT MARKING CHARACTER (*****)  |
| 250           | TON | INCIDENTAL STONE BASE                                   |          |     | (HIGHLY REFLECTIVE ELEMENTS)                 |
| 2,000         | SY  | MILING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 3") | 77       | EA  | POLYUREA PAVEMENT MARKING SYMBOL (*****)     |
| 4,600         | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B                   |          |     | (HIGHLY REFLECTIVE ELEMENTS)                 |
| 2,150         | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B           | 500      | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")       |
| 4,100         | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                 | Lump Sum | LS  | PORTABLE LIGHTING                            |
| 545           | TON | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22            | 695      | LF  | 8" WATER LINE                                |
| 900           | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR                      | 5,119    | LF  | 12" WATER LINE                               |
| 1             | CY  | PIPE PLUGS  | 1        | EA  | 2" VALVE                                     |
| 53            | EA  | MASONRY DRAINAGE STRUCTURES                             | 16       | EA  | 8" VALVE                                     |
| 4             | LF  | MASONRY DRAINAGE STRUCTURES                             | 14       | EA  | 12" VALVE                                    |
| 11            | EA  | FRAME WITH TWO GRATES, STD 840.16                       | 1        | EA  | *** TAPPING VALVE (2")                       |
| 6             | EA  | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)        | 1        | EA  | 12" TAPPING VALVE                            |
| 17            | EA  | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)        | 1        | EA  | 1" AIR RELEASE VALVE                         |
| 11            | EA  | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)        | 1        | EA  | *** WATER METER (1")                         |
| 4             | EA  | FRAME WITH COVER, STD 840.54                            | 17       | EA  | 3/4" WATER METER                             |
| 9,380         | LF  | 2'-6" CONCRETE CURB & GUTTER                            | 3        | EA  | 2" WATER METER                               |
| 4,200         | SY  | 4" CONCRETE SIDEWALK                                    | 1        | EA  | RELOCATE WATER METER                         |
| 60            | EA  | CONCRETE WHEELCHAIR RAMPS                               | 5        | EA  | RECONNECT WATER METER                        |
| 650           | SY  | 6" CONCRETE DRIVEWAY                                    | 9        | EA  | FIRE HYDRANT                                 |
| 12            | EA  | ADJUSTMENT OF MANHOLES                                  | 151      | LF  | 6" SANITARY GRAVITY SEWER                    |
| 63            | EA  | ADJUSTMENT OF METER BOXES OR VALVE BOXES                | 702      | LF  | 8" SANITARY GRAVITY SEWER                    |
| 1             | EA  | CONVERT EXISTING CATCH BASIN TO JUNCTION BOX            | 160      | LF  | 12" SANITARY GRAVITY SEWER                   |
| 1             | EA  | CONVERT EXISTING DROP INLET TO JUNCTION BOX             | 6        | EA  | SANITARY SEWER CLEAN-OUT                     |
| 275           | LF  | STEEL BM GUARDRAIL                                      | 11       | EA  | 4' DIA UTILITY MANHOLE                       |
| 10            | EA  | STEEL BM GUARDRAIL TERMINAL SECTIONS                    | 1        | EA  | 5' DIA UTILITY MANHOLE                       |
| 5             | EA  | ADDITIONAL GUARDRAIL POSTS                              | 33.5     | LF  | UTILITY MANHOLE WALL, 4' DIA                 |
| 250           | SY  | FILTER FABRIC FOR DRAINAGE                              | 1.5      | LF  | UTILITY MANHOLE WALL, 5' DIA                 |
| 168           | LF  | SUPPORTS, 3-LB STEEL U-CHANNEL                          | 2,182    | LF  | ABANDON 8" UTILITY PIPE                      |
| 20            | EA  | SUPPORTS, 2-LB STEEL U-CHANNEL                          | 160      | LF  | ABANDON 12" UTILITY PIPE                     |
| 10            | EA  | SIGN ERECTION, TYPE E                                   | 33       | EA  | REMOVE WATER METER                           |
| 30            | EA  | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E) | 9        | EA  | REMOVE FIRE HYDRANT                          |
| 960           | SF  | WORK ZONE SIGNS (STATIONARY)                            | 12       | EA  | REMOVE UTILITY MANHOLE                       |
| 560           | SF  | WORK ZONE SIGNS (PORTABLE)                              | 5,900    | LF  | TEMPORARY SILT FENCE                         |
| 122           | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                     | 100      | TON | STONE FOR EROSION CONTROL, CLASS A           |
| 2             | EA  | FLASHING ARROW PANELS, TYPE C                           | 120      | TON | STONE FOR EROSION CONTROL, CLASS B           |
| 4             | EA  | CHANGEABLE MESSAGE SIGN                                 | 110      | TON | SEDIMENT CONTROL STONE                       |
| 250           | EA  | DRUMS   | 1        | ACR | TEMPORARY MULCHING                           |
| 30            | EA  | CONES   | 100      | LB  | SEED FOR TEMPORARY SEEDING                   |
| 360           | LF  | BARRICADES (TYPE III)                                   | 1        | TON | FERTILIZER FOR TEMPORARY SEEDING             |
|               |     |   | 500      | CY  | SILT EXCAVATION                              |
|               |     |   | 1,300    | SY  | MATTING FOR EROSION CONTROL                  |
|               |     |   | 1,800    | LF  | 1/4" HARDWARE CLOTH                          |
|               |     |   | 150      | LF  | COIR FIBER BAFFLES                           |
|               |     |   | 1        | ACR | SEEDING & MULCHING                           |
|               |     |   | 10       | ACR | MOWING                                       |
|               |     |   | 30       | LB  | SEED FOR REPAIR SEEDING                      |
|               |     |   | 20       | HR  | SPECIALIZED HAND MOWING                      |
|               |     |   | 10       | EA  | RESPONSE FOR EROSION CONTROL                 |
|               |     |   | 5        | CY  | CONCRETE STEPS                               |

|          |    |  |
|----------|----|--|
| 26       | EA | PEDESTRIAN SIGNAL HEAD (***, ** SECTION)<br>(16", 1 SECTION WITH COUNTDOWN ) |
| 6,700    | LF | SIGNAL CABLE   |
| 46       | EA | VEHICLE SIGNAL HEAD (12", 3 SECTION)   |
| 2        | EA | VEHICLE SIGNAL HEAD (12", 4 SECTION)   |
| 4        | EA | VEHICLE SIGNAL HEAD (12", 5 SECTION)   |
| 770      | LF | MESSENGER CABLE (3/8")   |
| 120      | LF | PAVED TRENCHING (*****)<br>(1, 2")   |
| 760      | LF | UNPAVED TRENCHING (*****)<br>(1, 2")   |
| 130      | LF | DIRECTIONAL DRILL (*****)<br>(3, 2")   |
| 460      | LF | DIRECTIONAL DRILL (*****)<br>(4, 2")   |
| 10       | EA | JUNCTION BOX (STANDARD SIZE)   |
| 16       | EA | JUNCTION BOX (OVER-SIZED, HEAVY DUTY)  |
| 14       | EA | WOOD POLE  |
| 28       | EA | GUY ASSEMBLY   |
| 2        | EA | 1/2" RISER WITH WEATHERHEAD  |
| 4        | EA | 1" RISER WITH WEATHERHEAD  |
| 12       | EA | 2" RISER WITH WEATHERHEAD  |
| 4,250    | LF | INDUCTIVE LOOP SAWCUT  |
| 5,295    | LF | LEAD-IN CABLE (*****)<br>(14-2)  |
| 4        | EA | 900MHZ WIRELESS RADIO SYSTEM   |
| 9        | EA | METAL POLE WITH SINGLE MAST ARM  |
| 9        | EA | SOIL TEST  |
| 54       | CY | DRILLED PIER FOUNDATION  |
| 3        | EA | SIGNAL PEDESTAL WITH FOUNDATION  |
| 9        | EA | MAST ARM WITH METAL POLE DESIGN  |
| 6        | EA | SIGN FOR SIGNALS   |
| 6        | EA | RELOCATE EXISTING SIGN   |
| 4        | EA | SIGNAL CABINET FOUNDATION  |
| 4        | EA | CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)                           |
| 23       | EA | DETECTOR CARD (TYPE 2070L)   |
| 4        | EA | CABINET BASE EXTENDER  |
| 2        | EA | GENERIC SIGNAL ITEM<br>FURNISH WIRELESS RADIO<br>LIGHTNING ARRESTOR          |
| 1        | EA | GENERIC SIGNAL ITEM<br>FURNISH WIRELESS RADIO MODEM                          |
| 3        | EA | GENERIC SIGNAL ITEM<br>POWDER COAT FOR PEDESTRIAN<br>PEDESTAL                |
| 9        | EA | GENERIC SIGNAL ITEM<br>POWDER COAT FOR SINGLE MAST<br>ARM WITH METAL POLE    |
| 310      | CY | CLASS A CONCRETE (RETAINING WALL)  |
| Lump Sum | LS | GENERIC RETAINING WALL ITEM<br>ARCHITECTURAL CONCRETE SURFACE<br>TREATMENT   |



STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080916 022

CONTRACT ID : C201819 38068.3.1

DIV OFFICE SYLVA

LENGTH = 0.466 MI

COUNTY : CHEROKEE

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 2.0% WBE 5.0% COMPLETION DATE : NOV 15 2009

NC-294 - BRIDGE 50 OVER PERSIMMON CREEK AND CULVERT EXTENSION FOR TRIBUTARY TO LAKE CHEROKEE.

ROADWAY ITEMS

|          |        |   |        |     |   |  |
|----------|--------|---|--------|-----|---|--|
|          |        |   | 66     | MD  | FLAGGER   |  |
|          |        |   | 4      | EA  | TEMPORARY CRASH CUSHIONS                                      |  |
|          |        |   | 2      | EA  | RESET TEMPORARY CRASH CUSHIONS                                |  |
| Lump Sum | LS     | MOBILIZATION  | 2,418  | LF  | PORTABLE CONCRETE BARRIER                                     |  |
| Lump Sum | LS     | CONSTRUCTION SURVEYING                                    | 70     | LF  | RESET PORTABLE CONCRETE BARRIER                               |  |
| Lump Sum | LS     | FIELD OFFICE  |        |     |   |  |
| Lump Sum | LS     | REINFORCED BRIDGE APPROACH FILL, STATION ***** (54+89.84) | 8      | EA  | TEMPORARY RAISED PAVEMENT MARKERS                             |  |
|          | 1      | ACR   | 512    | LF  | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (4) |  |
|          | 1,350  | CY  | 38,348 | LF  | PAINT PAVEMENT MARKING LINES (4")                             |  |
| Lump Sum | LS     | GRADING   | 66     | LF  | PAINT PAVEMENT MARKING LINES (24")                            |  |
|          | 30,500 | CY  | 3,618  | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")                        |  |
|          | 390    | CY  | 31     | EA  | SNOWFLOWABLE PAVEMENT MARKERS                                 |  |
|          | 2,200  | CY  | 2,835  | LF  | TEMPORARY SILT FENCE  |  |
|          | 3,000  | SY  | 280    | TON | STONE FOR EROSION CONTROL, CLASS A                            |  |
|          | 580    | SF  | 420    | TON | STONE FOR EROSION CONTROL, CLASS B                            |  |
|          | 80     | TON   | 295    | TON | SEDIMENT CONTROL STONE  |  |
|          | 72     | LF  | 0.5    | ACR | TEMPORARY MULCHING  |  |
|          | 252    | LF  | 200    | LB  | SEED FOR TEMPORARY SEEDING                                    |  |
|          | 112    | LF  | 0.75   | TON | FERTILIZER FOR TEMPORARY SEEDING                              |  |
|          | 148    | LF  | 445    | LF  | TEMPORARY SLOPE DRAINS  |  |
|          | 88     | LF  | 7      | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                    |  |
|          | 4      | EA  | 2,336  | LF  | SAFETY FENCE  |  |
|          | 151    | LF  | 1,240  | CY  | SILT EXCAVATION   |  |
|          | 2,250  | TON   | 17,500 | SY  | MATTING FOR EROSION CONTROL                                   |  |
|          | 500    | SY  | 280    | SY  | PERMANENT SOIL REINFORCEMENT MAT                              |  |
|          | 600    | TON   | 225    | LF  | 1/4" HARDWARE CLOTH   |  |
|          | 980    | TON   | 200    | LF  | *** TEMPORARY PIPE (15")                                      |  |
|          | 1,120  | TON   | 150    | LF  | *** TEMPORARY PIPE (18")                                      |  |
|          | 140    | TON   | 100    | LF  | *** TEMPORARY PIPE (36")                                      |  |
|          | 4.5    | CY  | 1      | EA  | SPECIAL STILLING BASINS                                       |  |
|          | 3      | EA  | 10.5   | ACR | SEEDING & MULCHING  |  |
|          | 1      | EA  | 4      | ACR | MOWING  |  |
|          | 2      | EA  | 50     | LB  | SEED FOR REPAIR SEEDING                                       |  |
|          | 100    | LF  | 0.25   | TON | FERTILIZER FOR REPAIR SEEDING                                 |  |
|          | 2      | EA  | 175    | LB  | SEED FOR SUPPLEMENTAL SEEDING                                 |  |
|          | 100    | LF  | 4.75   | TON | FERTILIZER TOPDRESSING  |  |
|          | 100    | LF  | 36     | LF  | IMPERVIOUS DIKE   |  |
|          | 2      | EA  | 2      | HR  | SPECIALIZED HAND MOWING                                       |  |
|          | 2      | EA  | 12     | EA  | RESPONSE FOR EROSION CONTROL                                  |  |
|          | 1,500  | LF  | 1,360  | LF  | SIGNAL CABLE  |  |
|          | 100    | LF  | 8      | EA  | VEHICLE SIGNAL HEAD (12", 3 SECTION)                          |  |
|          | 2      | EA  | 1,270  | LF  | MESSENGER CABLE (3/8")  |  |
|          | 5      | EA  | 10     | EA  | WOOD POLE   |  |
|          | 2      | EA  | 6      | EA  | GUY ASSEMBLY  |  |
|          | 6      | EA  | 1      | EA  | 1" RISER WITH WEATHERHEAD                                     |  |
|          | 4      | EA  | 3      | EA  | 2" RISER WITH WEATHERHEAD                                     |  |
|          | 2      | EA  | 560    | LF  | INDUCTIVE LOOP SAWCUT   |  |
|          | 2      | EA  | 1,770  | LF  | LEAD-IN CABLE (***** (14-2)                                   |  |
|          | 225    | TON   | 1      | EA  | CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)            |  |
|          | 5,555  | TON   | 2      | EA  | DETECTOR CARD (TYPE 2070L)                                    |  |
|          | 15     | TON   |        |     |   |  |
|          | 15     | TON   |        |     |   |  |
|          | 565    | SY  |        |     |   |  |
|          | 194    | SF  |        |     |   |  |
|          | 96     | SF  |        |     |   |  |
|          | 30     | SF  |        |     |   |  |
|          | 70     | EA  |        |     |   |  |
|          | 60     | EA  |        |     |   |  |
|          | 78     | LF  |        |     |   |  |

STRUCTURE ITEMS

|          |      |   |                                  |
|----------|------|---|----------------------------------|
| Lump Sum | LS   | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (54+89.84) |                                  |
|          | 81.9 | LF  | 4'-0" DIA DRILLED PIERS IN SO IL |

|          |     |   |
|----------|-----|---|
| 32       | LF  | 4'-0" DIA DRILLED PIERS NOT IN SOIL               |
| 90.6     | LF  | PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER |
| 1        | EA  | SID INSPECTION                                    |
| 1        | EA  | CROSSHOLE SONIC LOGGING                           |
| Lump Sum | LS  | CULVERT EXCAVATION, STA ***** (60+29.30)          |
| 90       | TON | FOUNDATION CONDITIONING MATERIAL, BOX CULVERT     |
| 8,175    | SF  | REINFORCED CONCRETE DECK SLAB                     |
| 8,467    | SF  | GROOVING BRIDGE FLOORS                            |
| 183.3    | CY  | CLASS A CONCRETE (BRIDGE)                         |
| 152.4    | CY  | CLASS A CONCRETE (CULVERT)                        |
| Lump Sum | LS  | BRIDGE APPROACH SLABS, STATION ***** (54+89.84)   |
| 41,507   | LB  | REINFORCING STEEL (BRIDGE)                        |
| 4,308    | LB  | SPIRAL COLUMN REINFORCING STEEL (BRIDGE)          |
| 24,365   | LB  | REINFORCING STEEL (CULVERT)                       |
| 798.01   | LF  | 54" PRESTRESSED CONCRETE GIRDERS                  |
| 480      | LF  | HP12X53 STEEL PILES                               |
| 16       | EA  | STEEL PILE POINTS                                 |
| 406.54   | LF  | CONCRETE BARRIER RAIL                             |
| 671.9    | TON | RIP RAP CLASS II (2'-0" THICK)                    |
| 746.4    | SY  | FILTER FABRIC FOR DRAINAGE                        |
| Lump Sum | LS  | ELASTOMERIC BEARINGS                              |
| Lump Sum | LS  | EVAZOTE JOINT SEALS                               |

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L080916 023

CONTRACT ID : C202105 42009.3.1

DIV OFFICE SYLVA

LENGTH = 1.110 MI

COUNTY : JACKSON

GRADING, DRAINAGE, AND PAVING.

MBE GOAL 2.0% WBE 5.0% COMPLETION DATE : MAY 01 2010

SR-1449 (COPE CREEK RD) FROM NC-107 TO SR-1710.

| ROADWAY ITEMS |     |        |     |   |
|---------------|-----|--------|-----|---|
|               |     | 340    | LF  | CHAIN LINK FENCE RESET  |
|               |     | 200    | TON | RIP RAP, CLASS I  |
|               |     | 470    | TON | RIP RAP, CLASS B  |
|               |     | 1,020  | SY  | FILTER FABRIC FOR DRAINAGE  |
|               |     | 16     | EA  | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)                   |
|               |     | 420    | SF  | WORK ZONE SIGNS (STATIONARY)  |
|               |     | 440    | SF  | WORK ZONE SIGNS (PORTABLE)  |
|               |     | 140    | SF  | WORK ZONE SIGNS (BARRICADE MOUNTED)                                       |
|               |     | 160    | EA  | DRUMS   |
|               |     | 40     | EA  | CONES   |
|               |     | 80     | LF  | BARRICADES (TYPE III)   |
|               |     | 170    | MD  | FLAGGER   |
|               |     | 40     | HR  | POLICE  |
|               |     | 20     | EA  | SKINNY DRUM   |
|               |     | 150    | LF  | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)                      |
|               |     | 43,500 | LF  | PAINT PAVEMENT MARKING LINES (4")   |
|               |     | 300    | LF  | PAINT PAVEMENT MARKING LINES (24")  |
|               |     | 22,100 | LF  | POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS)  |
|               |     | 150    | LF  | POLYUREA PAVEMENT MARKING LINES (24", *****) (HIGHLY REFLECTIVE ELEMENTS) |
|               |     | 500    | LF  | REMOVAL OF PAVEMENT MARKING LINES (4")                                    |
|               |     | 150    | EA  | SNOWPLOWABLE PAVEMENT MARKERS   |
|               |     | 300    | LF  | 4" SANITARY GRAVITY SEWER   |
|               |     | 5,300  | LF  | TEMPORARY SILT FENCE  |
|               |     | 160    | TON | STONE FOR EROSION CONTROL, CLASS A  |
|               |     | 280    | TON | STONE FOR EROSION CONTROL, CLASS B  |
|               |     | 90     | TON | SEDIMENT CONTROL STONE  |
|               |     | 3      | ACR | TEMPORARY MULCHING  |
|               |     | 300    | LB  | SEED FOR TEMPORARY SEEDING  |
|               |     | 2      | TON | FERTILIZER FOR TEMPORARY SEEDING  |
|               |     | 70     | LF  | TEMPORARY SLOPE DRAINS  |
|               |     | 4      | EA  | INLET PROTECTION AT TEMPORARY SLOPE DRAINS                                |
|               |     | 2,700  | LF  | SAFETY FENCE  |
|               |     | 1,100  | CY  | SILT EXCAVATION   |
|               |     | 2,725  | SY  | SYNTHETIC ROVING  |
|               |     | 3,170  | SY  | MATTING FOR EROSION CONTROL   |
|               |     | 2,450  | SY  | PERMANENT SOIL REINFORCEMENT MAT  |
|               |     | 810    | LF  | 1/4" HARDWARE CLOTH   |
|               |     | 240    | LF  | COIR FIBER BAFFLES  |
|               |     | 6      | ACR | SEEDING & MULCHING  |
|               |     | 8      | ACR | MOWING  |
|               |     | 120    | LB  | SEED FOR REPAIR SEEDING   |
|               |     | 16     | HR  | SPECIALIZED HAND MOWING   |
|               |     | 8      | EA  | RESPONSE FOR EROSION CONTROL  |
|               |     | 4      | CY  | CONCRETE STEPS  |
| Lump Sum      | LS  |        |     | MOBILIZATION  |
| 1             | EA  |        |     | SEALING ABANDONED WELLS   |
| Lump Sum      | LS  |        |     | GRADING   |
| 1             | ACR |        |     | SUPPLEMENTARY CLEARING & GRUBBING   |
| 600           | CY  |        |     | DRAINAGE DITCH EXCAVATION   |
| 3,100         | LF  |        |     | BERM DITCH CONSTRUCTION   |
| 280           | TON |        |     | FOUNDATION CONDITIONING MATERIAL, MINOR STRS                              |
| 204           | LF  |        |     | 15" SIDE DRAIN PIPE   |
| 113           | LF  |        |     | 12" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK                        |
| 1,275         | LF  |        |     | 15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK                        |
| 540           | LF  |        |     | 18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK                        |
| 464           | LF  |        |     | 24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK                        |
| 16            | LF  |        |     | 30" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK                        |
| 16            | LF  |        |     | 36" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK                        |
| 14            | EA  |        |     | 12" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK                          |
| 2             | EA  |        |     | 15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK                          |
| 1             | EA  |        |     | 24" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK                          |
| 228           | LF  |        |     | PIPE REMOVAL  |
| 2,310         | TON |        |     | AGGREGATE BASE COURSE   |
| 300           | TON |        |     | INCIDENTAL STONE BASE   |
| 1,850         | GAL |        |     | PRIME COAT  |
| 160           | SY  |        |     | MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 2")                  |
| 1,600         | TON |        |     | ASPHALT CONC BASE COURSE, TYPE B25.0B                                     |
| 1,400         | TON |        |     | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B                             |
| 2,000         | TON |        |     | ASPHALT CONC SURFACE COURSE, TYPE S9.5B                                   |
| 255           | TON |        |     | ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22                              |
| 185           | TON |        |     | ASPHALT PLANT MIX, PAVEMENT REPAIR  |
| 10            | CY  |        |     | REINFORCED ENDWALLS   |
| 1             | CY  |        |     | PIPE PLUGS  |
| 28            | EA  |        |     | MASONRY DRAINAGE STRUCTURES   |
| 2             | LF  |        |     | MASONRY DRAINAGE STRUCTURES   |
| 23            | EA  |        |     | FRAME WITH TWO GRATES, STD 840.16   |
| 1             | EA  |        |     | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)                          |
| 3             | EA  |        |     | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)                          |
| 1             | EA  |        |     | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)                          |
| 322           | LF  |        |     | ***X *** CONCRETE CURB (8" X 12")   |
| 1,342         | LF  |        |     | 2'-6" CONCRETE CURB & GUTTER  |
| 210           | SY  |        |     | 6" CONCRETE DRIVEWAY  |
| 50            | SY  |        |     | 4" CONCRETE PAVED DITCH   |
| 1             | EA  |        |     | ADJUSTMENT OF MANHOLES  |
| 1             | EA  |        |     | ADJUSTMENT OF METER BOXES OR VALVE BOXES                                  |
| 1             | EA  |        |     | CONVERT EXISTING DROP INLET TO JUNCTION BOX                               |
| 1,044         | LF  |        |     | STEEL BM GUARDRAIL  |
| 5             | EA  |        |     | ADDITIONAL GUARDRAIL POSTS  |
| 2             | EA  |        |     | GUARDRAIL ANCHOR UNITS, TYPE AT-1   |
| 6             | EA  |        |     | GUARDRAIL ANCHOR UNITS, TYPE 350  |
| 2,600         | LF  |        |     | WOVEN WIRE FENCE RESET  |

