

# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

November 20, 2007

Notice To:

Prospective Bidders, Material Suppliers, and Subcontractors

From:

R.A. Garris, P.E.

State Contract Officer

Subject:

2006 Metric Standard Specifications for Roads and Structures

and 2006 Metric Roadway Standard Drawings

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

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

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.

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



# STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

October 23, 2007

**MEMORANDUM TO:** 

Prospective Bidders

FROM:

R. A. Garris, P.E.

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 <a href="https://www.ncdot.org/~wztc">www.ncdot.org/~wztc</a> or contact Meredith McDiarmid of the Work Zone Traffic Control Unit at <a href="https://www.ncdot.org/~wztc">mmcdiarmid@dot.state.nc.us</a> 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.

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

MICHAEL F. EASLEY GOVERNOR LYNDO TIPPETT SECRETARY

September 18, 2007

Notice To:

All Prequalified Contractors

From:

R.A. Garris, P.E.

Contract Officer

Subject:

**Bonding Reminder** 

As a reminder to all Prequalified Bidders, when you requalify every three years, you are required to show the ability to obtain bonding. The requirements for bonding are described in North Carolina General Statute 44A-26. According to this statute, for contracts in excess of \$300,000, contractors must provide a performance and payment bond. Furthermore, it states, "The performance bond and the payment bond shall be executed by one or more surety companies legally authorized to do business in the State of North Carolina." Therefore, when requalifying you must give current evidence of the ability to secure bonding in excess of \$300,000 from a surety company legally authorized to do business in North Carolina. You may confirm your surety company's status at the following web link provided by the North Carolina Department of Insurance:

### http://infoportal.ncdoi.net/run\_reports.jsp?REPT=INSCMPLOA

Please click on "Fidelity and Surety". It will provide for you in real-time all the North Carolina licensed surety companies. If your surety company's name does not show up exactly as it appears on this list or does not appear at all, you may want to confirm the name with your insurance company. We will not accept bond letters or other evidence of bonding if the name of the surety does not match exactly the ones on this list.

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



## STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

September 18, 2007

**MEMORANDUM TO:** 

**Prospective Bidders** 

FROM:

Randy A. Garris, PE, Contract Officer

SUBJECT:

New On-The-Job Training Special Provision

Effective with the November 20, 2007 letting, the Project Special Provision for Training will be revised. The following are highlights of the differences between the old provision *Training Special Provisions* and the new Special Provision *On the Job Training*.

- All contractors, both existing and newcomers will be automatically placed in the Alternate Program. Standard OJT requirements typically associated with individual projects will no longer be applied at the project level; instead, these requirements will be applicable on an annual basis for each contractor.
- The number of training slots may range from no less than 1 to no more than 15 per contractor per calendar year. The Contractor shall sign an agreement to fulfill their goal for the year. A sample agreement is available at www.ncdot.org/business/ocs/ojt/.
- Contractors working in North Carolina must use the NCDOT program classifications as shown in the On-the-Job Training Program Manual available at <a href="http://www.ncdot.org/business/ocs/ojt/word/MANUAL.DOC">http://www.ncdot.org/business/ocs/ojt/word/MANUAL.DOC</a>.
- ☐ If a contractor fails to attain their training assignments for the calendar year, they may be taken off the Bidders List.
- There is no change in the payment for Trainees. There will be no compensation for providing training required by the contract documents.

The new provision for *On the Job Training* is attached for your convenience. If there are any questions, please call Marvin Butler, UCP, Training, and HBCU/MIHE Services Unit at 919-733-7174.

#### **ON-THE-JOB TRAINING:**

(10-16-07)

#### Description

The North Carolina Department of Transportation will administer a custom version of the Federal On-the-Job Training (OJT) Program, commonly referred to the Alternate OJT Program. All contractors (existing and newcomers) will be automatically placed in the Alternate Program. Standard OJT requirements typically associated with individual projects will no longer be applied at the project level. Instead, these requirements will be applicable on an annual basis for each contractor.

On the Job Training shall meet the requirements of 23 CFR 230.107 (b), 23 USC – Section 140, this provision and the *On-the-Job Training Program Manual*.

The Alternate OJT Program will allow a contractor to train employees on Federal, State and privately funded projects located in North Carolina. However, priority must be given to training employees on Federal funded projects.

#### Minorities and Women

Training and upgrading of minorities and women toward journeymen status is a primary objective of this provision. Accordingly, the Contractor shall make every effort to enroll minority trainees and women to the extent that such persons are available within a reasonable area of recruitment. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether or not members of a minority group.

#### **Assessing Training Goals**

The Department through the On-The-Job Training (OJT) Program Manager of the Contractor Support Services Section within the UCP, Training and HBCU/MIHE Services Unit will assign training goals for a calendar year based on past three years' activity and anticipated upcoming year's activity with the Department. At the beginning of each year, all contractors will be contacted by the Department to determine the number of trainees that will be assigned to the Contractor for that calendar year. At that time the Contractor shall enter into an agreement with the Department to provide a self-imposed on-the-job training program for the calendar year. This agreement will include a specific number of annual training slots agreed to by both parties. The number of training slots may range from 1 to 15 per contractor per calendar year. The Contractor shall sign an agreement to fulfill their goal for the year. A sample agreement is available at www.ncdot.org/business/ocs/ojt/.

#### **Training Classifications**

The Contractor shall provide on-the-job training aimed at developing full journey workers in the construction crafts. Preference shall be given to providing training in the following skilled work classifications:

**Equipment Operators** 

Truck Drivers

Carpenters

Concrete Finishers

Pipe Layers

Office Engineers

**Estimators** 

Iron / Reinforcing Steel Workers

Mechanics

Welders

The Department has established common training classifications and their respective training requirements that may be used by the contractors. However, the classifications established are not all-inclusive. Where the training is oriented toward construction applications, training will be allowed in lower-level management positions such as office engineers, estimators and timekeepers. Contractors shall submit new classifications for specific job functions that their employees are performing. The Department will review and recommend for acceptance to FHWA the new classifications proposed by contractors, if applicable. New classifications shall meet the following requirements:

Proposed training classifications are reasonable and realistic based on the job skill classification needs, and

The number of training hours specified in the training classification is consistent with common practices and provides enough time for the trainee to obtain journeyman level status.

The Contractor may allow trainees to be trained by a subcontractor provided that the Contractor retains primary responsibility for meeting the training and this provision is made applicable to the subcontract. However, only the Contractor will receive credit towards the annual goal for the trainee.

Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. The number of trainees shall be distributed among the work classifications on the basis of the contractor's needs and the availability of journeymen in the various classifications within a reasonable area of recruitment.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journeyman status or in which they have been employed as a journeyman.

#### **Records and Reports**

The Contractor shall furnish the trainee a copy of the training program to be followed. Additionally, the Contractor shall provide each trainee with a certification showing the type and length of training satisfactorily completed.

The Contractor will maintain and furnish monthly reports documenting company compliance under these contract documents. This information shall be provided to the On-The-Job Training (OJT) Program Manager of the Contractor Support Services Section within the UCP, Training and HBCU/MIHE Services Unit.

#### Trainee Wages

Contractors shall compensate trainees on a graduating pay scale based upon a percentage of the prevailing minimum journeyman wages (Davis-Bacon Act). Minimum pay shall be as follows:

60 percent	of the journeyman wage for the first half of the training period
75 percent	of the journeyman wage for the third quarter of the training period
90 percent	of the journeyman wage for the last quarter of the training period

In no instance shall a trainee be paid less than the local minimum wage. It is the Contractor's responsibility to adhere to the minimum rate that will satisfy both the NCDOL and the Department.

#### Achieving or Failing to Meet Training Goals

The Contractor will be credited for each trainee employed by him on the contract work who is currently enrolled or becomes enrolled in an approved program and who receives training for at least 50 percent of the specific program requirement. Trainees will be allowed to be transferred between projects if required by the Contractor's workload scheduling.

If a contractor fails to attain their training assignments for the calendar year, they may be taken off the Bidders List.

#### Measurement and Payment

No compensation will be provided for providing training required by the contract documents.



### STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY GOVERNOR

LYNDO TIPPETT SECRETARY

March 20, 2007

MEMORANDUM TO:

FROM:

Randy A. Garris, PE Robinson
Contract Office

SUBJECT:

**Erosion and Sediment Control/ Stormwater Certification Training** 

Level III-A & Level III-B

As you are aware, the Department has implemented two of the three phases of Erosion and Sediment Control/ Stormwater Certification for DOT, CEI, and Contractor's personnel. The purpose of this memo is to alert Contractors and Private Engineering Firms of changes to the Level III Certification Program. To better provide the necessary instruction and software tools for personnel tasked with E&SC plan design, two emphasis areas. Level III-A and Level III-B have been developed.

Level III-A will target Private Engineering Firms and Design Build Contractors who design erosion and sediment control and stormwater pollution prevention plans under the NCDOT Delegated program. Plans developed under the Department's Delegated Erosion and Sediment Control Program require approval by the Department prior to implementation.

Level III-B will target Bid-Build and Design-Build Contractors as well as Private Engineering Firms who design the erosion and sediment control component of reclamation plans.

The workshop for each Level III specialty area is a one-day fast paced class for engineers and advanced level technicians. Workshops will be offered on a regional basis with instructors from North Carolina State University. Engineering analysis methods for erosion prediction and design will be presented as well as hydrologic and hydraulic engineering principles. Certification exams are associated with each workshop. The implementation date for Level III-A and Level III-B is January 2008 and plans submitted after that date will be accompanied with the appropriate Level III certification number of the designer.

To obtain detailed information regarding the certification program, review locations for Level III classes or registration, or view the project special provision included in contracts, please visit the certification website at: www.bae.ncsu.edu/workshops/dot/index.html Registration for Level III workshops are currently open and accepting registrants.

Questions not addressed on the website may be directed to Ted Sherrod of the Roadside Environmental Unit at tsherrod@dot.state.nc.us or by phone at (919) 733-2920.

rce

CC:

Ellis Powell, P.E., State Construction Engineer Don Lee, CPESC, State Roadside Environmental Engineer

Mailing address: MC DEPARTMENT OF TRANSPORTATION CHIEF ENGINEER'S OFFICE 1537 MAIL SERVICE CENTER

TELEPHONE: 919-733-7621 FAX: 919-733-4141

WEBSITE: WWW.DOH.DOT.STATE.NC.US

LOCATION: TRANSPORTATION BUILDING 1 SOUTH WILMINGTON STREET RALEIGH NO

#### 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 FEBRUARY 19, 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 JANUARY 22, 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

DIV NO.	DIVISION ENGINEER	<b>LOCATION</b>	<u>TOWN</u>	<b>TELEPHONE</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	ASHEVILE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

#### ----- SUMMARY OF PROPOSALS -----

Bid I	Letting Numb	oer L080219			
RPN	Contract Id	WBS	County	Length	JobType
001	C201549	33572.3.1	PERQUIMANS	0.114 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
002	C201771	33516.3.1	JONES	0.181 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
003	C201587	33574.3.1	PITT	0.152 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
004	C202006	4CR.10331.7 ETC.	EDGECOMBE, HALIFAX	15.910 MI	RESURFACING.
005	C201999	4CR.10511.11 ETC	JOHNSTON	49.430 MI	MILLING AND RESURFACING.
006	C202005	4CR.10961.12 ETC	WAYNE	30.430 MI	RESURFACING.
007	C201585	33477.3.1	GRANVILLE	0.338 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
008	C201997	37670 ETC.	DURHAM	21.500 MI	MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
009	C201769	33483.3.1	GUILFORD	0.195 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
010	C201770	33484.3.1	GUILFORD	0.221 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
011	C201773	33596.3.1	ROCKINGHAM	0.180 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
012	C201998	41598	GUILFORD	4.340 MI	MILLING, RESURFACING, ULTRATHIN, SHLDR RECONST, & CONC ISLD.
013	C201772	33588.3.1	RANDOLPH	0.363 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
014	C201776	37331.3.1	RANDOLPH	0.630 MI	REST AREA.
015	C201774	33622.3.2	STOKES	0.121 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
016	C201684	34906.3.4	FORSYTH	2.240 KM	WIDENING, GRADING, DRAINAGE & PAVING.
017	C202003	10CR.10041.16 ET	ANSON	6.520 MI	RESURFACING.
018	C202004	10CR.10901.15 ET	UNION	9.360 MI	RESURFACING, SHOULDER CONSTRUCTION & RECONSTRUCTION.
019	C201765	33159.3.1	ASHE	0.069 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
020	C201766	33379.2.2	ASHE	0.103 MI	GRADING, DRAINAGE, PAVING, RETAINING WALL, & STRUCTURE.
021	C201775	33654.3.1	WATAUGA	0.104 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
022	C201729	33237.3.1	RUTHERFORD	0.223 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
023	C201617	33278.3.1	CHEROKEE	0.063 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
024	C201618	33303.3.1	HENDERSON	0.140 MI	
025	C201879	34351.3.23	TRANSYLVANIA	2.081 MI	

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L080219 001

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

CONTRACT ID: C201549 33572.3.1 DIV OFFICE EDENTON LENGTH = 0.114 MI

COUNTY : PERQUIMANS

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 3.0% COMPLETION DATE: SEE SPECIAL PROVISIONS

#### BRIDGE OVER SUTTON CREEK & APPROACHES ON SR-1304.

#### ROADWAY ITEMS

2 HR SPECIALIZED HAND MOWING

		ROADWAY ITEMS			
Lump Sum	LS	MOBILIZATION	12	EA	RESPONSE FOR EROSION CONTROL
Lump Sum	LS	REINFORCED BRIDGE APPROACH			
		FILL, STATION ************************************			
1	ACR	SUPPLEMENTARY CLEARING & GRUB-			STRUCTURE ITEMS
		BING			
200	CY	UNDERCUT EXCAVATION			
Lump Sum	LS	GRADING	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
850	CY	BORROW EXCAVATION			AT STATION ************************************
100	CY	SELECT GRANULAR MATERIAL	1	EA	PDA TESTING
100 10	SY TON	FABRIC FOR SOIL STABILIZATION FOUNDATION CONDITIONING MATE-	1	EA	PDA ASSISTANCE
10	TON	RIAL, MINOR STRS	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-
48	LF	***"BIT COAT CS PIPE CULVERTS,	_		TION AT STATION *******
		TYPE A *****" THICK	20.0	CN.	(14+62.50-L-)
4	EA	(15", 0.064")	39.8	CY LS	CLASS AA CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
4	LA	**" BIT COAT CS PIPE ELBOWS, TYPE A *****" THICK	Lump Sum	LO	*********
		(15", 0.064")			(14+62.50-L-)
230	TON	ASPHALT CONC BASE COURSE, TYPE	5,894	LB	EPOXY COATED REINFORCING STEEL
215	TOM	B25.0B	1.040	LE	(BRIDGE)
215	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	1,040 16	LF EA	HP12X53 STEEL PILES PILE REDRIVES
25	TON	ASPHALT BINDER FOR PLANT MIX,	175.44	LF	CONCRETE BARRIER RAIL
		GRADE PG 64-22	186	TON	RIP RAP CLASS II (2'-0" THICK)
30	CY	SUBDRAIN EXCAVATION	207	SY	FILTER FABRIC FOR DRAINAGE
20	CY	SUBDRAIN FINE AGGREGATE	Lump Sum	LS	ELASTOMERIC BEARINGS
100	LF	6" PERFORATED SUBDRAIN PIPE	1,052.62	LF	3'-0" X 2'-9" PRESTRESSED CONC
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS			BOX BEAMS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE			
_		OUTLET			
6	LF	6" OUTLET PIPE (SUBDRAINS)			
2	EA	MASONRY DRAINAGE STRUCTURES			
2	EA	FRAME WITH GRATE, STD 840.29			
40	LF	SHOULDER BERM GUTTER			
375	LF EA	STEEL BM GUARDRAIL			
5 4	EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE			
•		350			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE			
	more	B-77			
5	TON	RIP RAP, CLASS B			
160 304	SY SF	FILTER FABRIC FOR DRAINAGE WORK ZONE SIGNS (STATIONARY)			
114	SF	WORK ZONE SIGNS (BARRICADE			
		MOUNTED)			
136	LF	BARRICADES (TYPE III)			
1,050	LF	TEMPORARY SILT FENCE			
75	TON	STONE FOR EROSION CONTROL, CLASS A			
50	TON	STONE FOR EROSION CONTROL,			
50		CLASS B			
35	TON	SEDIMENT CONTROL STONE			
1.5	ACR	TEMPORARY MULCHING			
50	LB	SEED FOR TEMPORARY SEEDING			
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING			
75	LF	TEMPORARY SLOPE DRAINS			
4	EA	INLET PROTECTION AT TEMPORARY			
		SLOPE DRAINS			
200	LF	SAFETY FENCE			
40	CY	SILT EXCAVATION			
120 100	SY LF	MATTING FOR EROSION CONTROL 1/4" HARDWARE CLOTH			
100	SY	FLOATING TURBIDITY CURTAIN			
		SEEDING & MULCHING			
1		MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
50	LB	SEED FOR SUPPLEMENTAL SEEDING			
1	TON	FERTILIZER TOPDRESSING			

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L080219 002

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

CONTRACT ID: C201771 33516.3.1 DIV OFFICE GREENVILLE LENGTH = 0.181 MI

COUNTY : JONES

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

196 LF TRENCHLESS INSTALLATION OF 8" NOT IN SOIL 850 LF TEMPORARY SILT FENCE 100 TON STONE FOR EROSION CONTROL, CLASS A DBE GOAL 7.0% COMPLETION DATE: DEC 01 2008

#### BRIDGE OVER MUSSEL SHELL CREEK & APPROACHES ON NC-41.

		ROADWAY ITEMS	75	TON	STONE FOR EROSION CONTROL, CLASS B
			60	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	MOBILIZATION	1.5	ACR	TEMPORARY MULCHING
Lump Sum	LS	CONSTRUCTION SURVEYING	50	LB	SEED FOR TEMPORARY SEEDING
Lump Sum	LS	REINFORCED BRIDGE APPROACH	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
•		FILL, STATION *********	50	LF	ING TEMPORARY SLOPE DRAINS
		(17+30.60)	2	EA	INLET PROTECTION AT TEMPORARY
Lump Sum	LS	GRADING	2	LA	SLOPE DRAINS
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	200	LF	SAFETY FENCE
200	CY	UNDERCUT EXCAVATION	110	CY	SILT EXCAVATION
100	CY	SELECT GRANULAR MATERIAL	175	SY	MATTING FOR EROSION CONTROL
100	SY	FABRIC FOR SOIL STABILIZATION	200	LF	1/4" HARDWARE CLOTH
26	TON	FOUNDATION CONDITIONING MATE-	1.5	ACR	SEEDING & MULCHING
		RIAL, MINOR STRS	1		MOWING
28	LF	15" SIDE DRAIN PIPE	50	LB	SEED FOR REPAIR SEEDING
28	LF	18" SIDE DRAIN PIPE	0.25	TON	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
48	LF	15" RC PIPE CULVERTS, CLASS	50	LB TON	FERTILIZER TOPDRESSING
22	LF	PIPE REMOVAL	2	HR	SPECIALIZED HAND MOWING
100	TON	INCIDENTAL STONE BASE	12	EA	RESPONSE FOR EROSION CONTROL
450	TON	ASPHALT CONC BASE COURSE, TYPE	0.1	ACR	REFORESTATION
		B25.0B			
5,380	TON	ASPHALT CONC SURFACE COURSE,			
245	TON	TYPE S9.5B			CERTICETURE TERMS
345	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			STRUCTURE ITEMS
20	TON	ASPHALT PLANT MIX, PAVEMENT			
		REPAIR	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
23	CY	SUBDRAIN EXCAVATION	Lump Sum	LO	AT STATION *********
17	CY	SUBDRAIN FINE AGGREGATE			(17+30.60-L-)
100	LF	6" PERFORATED SUBDRAIN PIPE	1	EA	PDA TESTING
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	1	EA	PDA ASSISTANCE
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
	2	OUTLET			(17+30.60-L-)
6	LF	6" OUTLET PIPE (SUBDRAINS)	3,649	SF	CONCRETE WEARING SURFACE
2	EA	MASONRY DRAINAGE STRUCTURES	4,244	SF	GROOVING BRIDGE FLOORS
2	EA	FRAME WITH TWO GRATES, STD	52.8	CY	CLASS A CONCRETE (BRIDGE)
42	LE	840.29	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
42	LF EA	SHOULDER BERM GUTTER ADJUSTMENT OF METER BOXES OR			(17+30.60-L-)
2	LA	VALVE BOXES	8,988	LB	REINFORCING STEEL (BRIDGE)
625	LF	STEEL BM GUARDRAIL	420	LF	HP12X53 STEEL PILES
5	EA	ADDITIONAL GUARDRAIL POSTS	520	LF	HP12X53 GALVANIZED STEEL PILES
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	15	EA	PILE REDRIVES
		350	205.5	LF	CONCRETE BARRIER RAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	462	TON	RIP RAP CLASS II (2'-0" THICK)
2	TON	RIP RAP, CLASS B	513	SY	FILTER FABRIC FOR DRAINAGE
305	SY	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	ELASTOMERIC BEARINGS
1	EA	PREFORMED SCOUR HOLES WITH	Lump Sum 1,332.5	LS LF	EVAZOTE JOINT SEALS 3'-0" X 1'-9" PRESTRESSED CONC
		LEVEL SPREADER APRON	1,332.3	LI	CORED SLABS
523	SF	WORK ZONE SIGNS (STATIONARY)			
96 94	SF SF	WORK ZONE SIGNS (PARRICADE			
94	эг	WORK ZONE SIGNS (BARRICADE MOUNTED)			
60	EA	CONES			
80	LF	BARRICADES (TYPE III)			
30	MD	FLAGGER			
420	LF	COLD APPLIED PLASTIC PAVEMENT			
		MARKING LINES, TYPE ** (4") (II)			
184,360	LF	PAINT PAVEMENT MARKING LINES			
		(4")			
292	EA	PERMANENT RAISED PAVEMENT			
55	LF	MARKERS 8" WATER LINE			
2	EA	8" VALVE			
430	LF	ABANDON 8" UTILITY PIPE			
196	LF	TRENCHLESS INSTALLATION OF 8"			
		IN SOIL			

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L080219 003

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

CONTRACT ID: C201587 33574.3.1 DIV OFFICE GREENVILLE LENGTH = 0.152 MI

**COUNTY** : PITT

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

#### DBE GOAL 6.0% COMPLETION DATE: NOV 15 2008

#### BRIDGE OVER SWIFT CREEK AND APPROACHES ON NC-102.

		ROADWAY ITEMS	225	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4")
			227,530	LF	(TYPE 3) PAINT PAVEMENT MARKING LINES
Lump Sum Lump Sum	LS LS	MOBILIZATION CONSTRUCTION SURVEYING	720	LF	(4") PAINT PAVEMENT MARKING LINES
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	240	LF	(8") PAINT PAVEMENT MARKING LINES
Lump Sum	LS	(22+47.000 -L-) GRADING			(16")
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	576	LF	PAINT PAVEMENT MARKING LINES (24")
200	CY	BING UNDERCUT EXCAVATION	12	EA	PAINT PAVEMENT MARKING CHARAC- TER
321 100	CY SY	DRAINAGE DITCH EXCAVATION FABRIC FOR SOIL STABILIZATION	24 230	EA LF	PAINT PAVEMENT MARKING SYMBOL
100	CY	GENERIC GRADING ITEM	230	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
160	TON	SELECT GRANULAR MATERIAL FOUNDATION CONDITIONING MATE-	12	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
288	LF	RIAL, MINOR STRS 24" SIDE DRAIN PIPE	288	EA	PERMANENT RAISED PAVEMENT MARKERS
276	LF	15" BIT COAT CS PIPE CULVERTS,	850	LF	TEMPORARY SILT FENCE
3	EA	TYPE B 0.064" THICK 15" BIT COAT CS PIPE ELBOWS,	75	TON	STONE FOR EROSION CONTROL, CLASS A
10	LE	TYPE B 0.064" THICK	135	TON	STONE FOR EROSION CONTROL, CLASS B
18 150	LF TON	PIPE REMOVAL AGGREGATE BASE COURSE	65	TON	SEDIMENT CONTROL STONE
125	TON	INCIDENTAL STONE BASE	2	ACR	TEMPORARY MULCHING
7 3,600	SMI TON	SHOULDER RECONSTRUCTION ASPHALT CONC BASE COURSE, TYPE	100 0.25	LB TON	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
*		B25.0B		T.E.	ING
8,060	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	90 2	LF EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY
639	TON	ASPHALT BINDER FOR PLANT MIX,	200	T.E.	SLOPE DRAINS
70	TON	GRADE PG 64-22 ASPHALT PLANT MIX, PAVEMENT	300 210	LF CY	SAFETY FENCE SILT EXCAVATION
30	CY	REPAIR SUBDRAIN EXCAVATION	175	SY	MATTING FOR EROSION CONTROL
20	CY	SUBDRAIN EXCAVATION SUBDRAIN FINE AGGREGATE	150 2	LF ACR	1/4" HARDWARE CLOTH SEEDING & MULCHING
100	LF	6" PERFORATED SUBDRAIN PIPE	1.5	ACR	
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	50	LB	SEED FOR REPAIR SEEDING
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	0.25 50	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
6	LF	OUTLET 6" OUTLET PIPE (SUBDRAINS)	1.5	TON	FERTILIZER TOPDRESSING
9	EA	MASONRY DRAINAGE STRUCTURES	2	HR	SPECIALIZED HAND MOWING
0.3	LF	MASONRY DRAINAGE STRUCTURES	12 0.1	EA ACR	RESPONSE FOR EROSION CONTROL REFORESTATION
5	EA	FRAME WITH TWO GRATES, STD 840.29			
4	EA	FRAME WITH COVER, STD 840.54			
340 400	LF LF	SHOULDER BERM GUTTER STEEL BM GUARDRAIL			****** BEGIN SCHEDULE AA ******  ******* (3 ALTERNATES) ******
10	EA	ADDITIONAL GUARDRAIL POSTS	592	LF	18" RC PIPE CULVERTS, CLASS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	352	LF	III 24" RC PIPE CULVERTS, CLASS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE			III
100	LF	B-77 REMOVE EXISTING GUARDRAIL	592	LF	*** OR ***  ***" HDPE PIPE CULVERTS
		RIP RAP, CLASS B			(18")
219 22	SY SF	FILTER FABRIC FOR DRAINAGE	352	LF	***" HDPE PIPE CULVERTS (24")
22	SF	CONTRACTOR FURNISHED, TYPE *** SIGN			*** OR ***
54	LF	(E) SUPPORTS, WOOD	592	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****"
3	EA	SIGN ERECTION, TYPE E			THICK
5	EA	DISPOSAL OF SIGN SYSTEM, WOOD	352	IE	(18", 0.064") ***" ALUMINIZED CORRUGATED
1,092 288	SF SF	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)	332	LI	STEEL PIPE CULVERTS, ****"
89	SF	WORK ZONE SIGNS (BARRICADE			THICK (24", 0.064")
1	EA	MOUNTED) CHANGEABLE MESSAGE SIGN			
160	EA	DRUMS			*** END SCHEDULE AA ***
80	LF	BARRICADES (TYPE III)			STRUCTURE ITEMS
45 1,400	MD LF	FLAGGER THERMOPLASTIC PAVEMENT MARKING			
175	LF	LINES (4", 90 MILS) THERMOPLASTIC PAVEMENT MARKING	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
230	LF	LINES (4", 120 MILS) THERMOPLASTIC RUMBLE STRIP (4"	1	EA	(22+47.00-L-) PDA ASSISTANCE
230	LF	240 MILS)	1	ĿА	I DA AUDIOTANCE

Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ******** (22+47.00-L-)
3,178	SF	CONCRETE WEARING SURFACE
4,322	SF	GROOVING BRIDGE FLOORS
39.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION *********
		(22+47.00-L-)
5,830	LB	REINFORCING STEEL (BRIDGE)
1,150	LF	HP12X53 STEEL PILES
8	EA	PILE REDRIVES
195.44	LF	CONCRETE BARRIER RAIL
272	TON	RIP RAP CLASS II (2'-0" THICK)
302	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1,172.63	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS

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L080219 004

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C202006 4CR.10331.7 DIV OFFICE WILSON LENGTH = 15.910 MI

COUNTY : EDGECOMBE, HALIFAX

RESURFACING.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE: NOV 14 2008

#### 2 SECTIONS OF NC-97 AND 1 SECTION OF NC-42 AND NC-903.

Lump Sum	LS	MOBILIZATION
46	TON	INCIDENTAL STONE BASE
150	SY	INCIDENTAL MILLING
20,759	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,246	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
168,243	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
109,899	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
278	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
115	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
6	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
6	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,186	EA	PERMANENT RAISED PAVEMENT MARKERS

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L080219 005

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C201999 4CR.10511.11 DIV OFFICE WILSON LENGTH = 49.430 MI

**COUNTY** : **JOHNSTON** 

MILLING AND RESURFACING.

MBE GOAL 3.0% WBE 4.0% COMPLETION DATE: DEC 01 2008

 $2~\rm SECTIONS~OF~US-70, 1~SECTION~OF~US-301, NC-50, NC-27, NC-210, NC-231~\&~35~SECTIONS~OF~SECONDARY~ROADS.\\$ 

Lump Sum	LS	MOBILIZATION
12,800	SY	MILLING ASPHALT PAVEMENT, ***" TO ******* DEPTH (0" TO 1")
22,900	SY	INCIDENTAL MILLING
50	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
17,106	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
10,454	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
25,747	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2,700	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
627	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
39	EA	ADJUSTMENT OF MANHOLES
14	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1	EA	FLASHING ARROW PANELS, TYPE C
1	EA	CHANGEABLE MESSAGE SIGN
1	EA	TMIA
132,607	LF	PAINT PAVEMENT MARKING LINES (4")
139,833	LF	PAINT PAVEMENT MARKING LINES (6")
2,550	LF	PAINT PAVEMENT MARKING LINES (8")
1,930	LF	PAINT PAVEMENT MARKING LINES (12")
514	LF	PAINT PAVEMENT MARKING LINES (24")
145	EA	PAINT PAVEMENT MARKING SYMBOL
200	LF	INDUCTIVE LOOP SAWCUT

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L080219 006

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C202005 4CR.10961.12 DIV OFFICE WILSON LENGTH = 30.430 MI

COUNTY : WAYNE

RESURFACING.

MBE GOAL 4.0% WBE 5.0% COMPLETION DATE: DEC 01 2008

#### 2 SECTIONS OF US-70 AND US-13, AND 30 SECTIONS OF SECONDARY ROADS.

Lump Sum	LS	MOBILIZATION
2,940	SY	INCIDENTAL MILLING
150	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
15,950	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
29,108	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
6,774	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,403	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,747	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
1	EA	FLASHING ARROW PANELS, TYPE C
1	EA	CHANGEABLE MESSAGE SIGN
1	EA	TMIA
8,250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
9,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
15	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
14,354	LF	POLYUREA PAVEMENT MARKING LINES (4", *********)
183,355	LF	(STANDARD GLASS BEADS) POLYUREA PAVEMENT MARKING LINES (6", **********) (STANDARD GLASS BEADS)
875	LF	POLYUREA PAVEMENT MARKING LINES (8", ********)
5,930	LF	(STANDARD GLASS BEADS) POLYUREA PAVEMENT MARKING LINES (12", **********) (STANDARD GLASS BEADS)
1,142	LF	POLYUREA PAVEMENT MARKING LINES (24", **********) (STANDARD GLASS BEADS)
161	EA	POLYUREA PAVEMENT MARKING SYMBOL (*********) (STANDARD GLASS BEADS)

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L080219 007

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

CONTRACT ID: C201585 33477.3.1 DIV OFFICE DURHAM LENGTH = 0.338 MI

**COUNTY** : **GRANVILLE** 

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

#### DBE GOAL 7.0% COMPLETION DATE: DEC 31 2008

#### BRIDGE OVER TAR RIVER AND APPROACHES ON SR-1141.

		ROADWAY ITEMS	10	EA	CONES
			80 12,400	LF LF	BARRICADES (TYPE III) PAINT PAVEMENT MARKING LINES
Lump Sum Lump Sum	LS LS	MOBILIZATION REINFORCED BRIDGE APPROACH	25	EA	(4") PERMANENT RAISED PAVEMENT
		FILL, STATION ************************************	1,490	LF	MARKERS TEMPORARY SILT FENCE
Lump Sum	LS ACR	GRADING SUPPLEMENTARY CLEARING & GRUB-	105	TON	STONE FOR EROSION CONTROL, CLASS A
		BING	395	TON	STONE FOR EROSION CONTROL, CLASS B
200 100	CY TON	UNDERCUT EXCAVATION CLASS IV SUBGRADE STABILIZA-	510	TON	SEDIMENT CONTROL STONE
450	CV	TION  DRAINAGE DITCH EVGAVATION	3 150	ACR LB	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
459 100	CY CY	DRAINAGE DITCH EXCAVATION SELECT GRANULAR MATERIAL	0.5	TON	FERTILIZER FOR TEMPORARY SEED-
100	SY	FABRIC FOR SOIL STABILIZATION			ING
40	TON	FOUNDATION CONDITIONING MATE-	115	LF EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY
24	LF	RIAL, MINOR STRS 15" SIDE DRAIN PIPE	2	LA	SLOPE DRAINS
24	LF	18" SIDE DRAIN PIPE	350	LF	SAFETY FENCE
52	LF	15" RC PIPE CULVERTS, CLASS	1,690	CY	SILT EXCAVATION
100		III	1,450 10	SY SY	MATTING FOR EROSION CONTROL COIR FIBER MAT
188	LF	18" RC PIPE CULVERTS, CLASS III	80	SY	PERMANENT SOIL REINFORCEMENT MAT
44	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	560	LF	1/4" HARDWARE CLOTH
32	LF	18" BIT COAT CS PIPE CULVERTS,	8	EA	SPECIAL STILLING BASINS
2	E.	TYPE B 0.064" THICK	280	LF	COIR FIBER BAFFLES
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	1	EA	**" SKIMMER (1-1/2")
2	EA	18" BIT COAT CS PIPE ELBOWS, T	3.5	ACR	SEEDING & MULCHING
40	LF	YPE B 0.064" THICK PIPE REMOVAL	2	ACR	MOWING
50	TON	INCIDENTAL STONE BASE	50 0.25	LB	SEED FOR REPAIR SEEDING
1,092	TON	ASPHALT CONC BASE COURSE, TYPE	75	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
690	TON	B25.0B ASPHALT CONC SURFACE COURSE,	2.5	TON	FERTILIZER TOPDRESSING
		TYPE SF9.5A	2 27	HR EA	SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL
95	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	0.5	ACR	REFORESTATION
21	EA	RIGHT OF WAY MARKERS			
23 17	CY CY	SUBDRAIN EXCAVATION SUBDRAIN FINE AGGREGATE			
100	LF	6" PERFORATED SUBDRAIN PIPE			STRUCTURE ITEMS
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS		1.0	CONCEDITION MADITENANCE O
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
6	LF EA	6" OUTLET PIPE (SUBDRAINS) MASONRY DRAINAGE STRUCTURES			(20+29.00-L-)
6	EA	FRAME WITH TWO GRATES, STD 840.29	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
630	LF	SHOULDER BERM GUTTER	42	LF	PILE EXCAVATION IN SOIL
1,062.5	LF	STEEL BM GUARDRAIL	18	LF	PILE EXCAVATION NOT IN SOIL
50	LF	STEEL BM GUARDRAIL, SHOP CURVED	24	LF	4'-0" DIA DRILLED PIERS IN SO IL
3	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE	41	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
3	EA	AT-1 GUARDRAIL ANCHOR UNITS, TYPE	1 2	EA EA	SID INSPECTION CROSSHOLE SONIC LOGGING
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	780	CY	UNCLASSIFIED STRUCTURE EXCAVA- TION
		B-77	8,239	SF	REINFORCED CONCRETE DECK SLAB
490 4	LF TON	REMOVE EXISTING GUARDRAIL RIP RAP, CLASS B	7,597	SF	GROOVING BRIDGE FLOORS
544	SY	FILTER FABRIC FOR DRAINAGE	160.9 Lump Sum	CY LS	CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	Eurip Suin	Lo	**************************************
13.6	SF	CONTRACTOR FURNISHED, TYPE *** SIGN	28,606 2,972	LB LB	REINFORCING STEEL (BRIDGE) SPIRAL COLUMN REINFORCING
22	I P	(D)			STEEL (BRIDGE)
33	LF EA	SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE D	891.17	LF	54" PRESTRESSED CONCRETE GIR- DERS
12	EA	DISPOSAL OF SIGN SYSTEM, U-	430	LF	HP12X53 STEEL PILES
	c.	CHANNEL WORK GOVE GIGNS (STATIONARY)	454.56	LF	CONCRETE BARRIER RAIL
394 94	SF SF	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE	1,320	TON	RIP RAP CLASS II (2'-0" THICK)
74	OI.	MOUNTED)	1,465 Lump Sum	SY LS	FILTER FABRIC FOR DRAINAGE ELASTOMERIC BEARINGS
10	EA	DRUMS	Lump Sum	LO	DE LO TOMERIC DE MINOS

Lump Sum LS EVAZOTE JOINT SEALS

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L080219 008

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C201997 37670 DIV OFFICE DURHAM LENGTH = 21.500 MI

**COUNTY** : **DURHAM** 

MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE: AUG 01 2008

### $1~\rm SECTION$ OF US-501, $1~\rm SECTION$ OF US-501 BUS, $1~\rm SECTION$ OF US-501 BYP, $1~\rm SECTION$ OF NC-55 & 14 SECTIONS OF SECONDARY RD

Lump Sum	LS	MOBILIZATION
1,275	TON	INCIDENTAL STONE BASE
37.78	SMI	SHOULDER RECONSTRUCTION
2,200	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
121,088	SY	MILLING ASPHALT PAVEMENT, ***" TO ******* DEPTH (1-1/2" TO 3")
6,817	SY	INCIDENTAL MILLING
2,180	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
24,524	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
12,989	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,577	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
780	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
3,690	TON	PATCHING EXISTING PAVEMENT
130	EA	ADJUSTMENT OF MANHOLES
32	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
205,344	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
235,562	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
670	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
2,846	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
142	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
299	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
52,480	LF	PAINT PAVEMENT MARKING LINES (4")
450	LF	PAINT PAVEMENT MARKING LINES (16")
1,130	LF	PAINT PAVEMENT MARKING LINES (24")
20	EA	PAINT PAVEMENT MARKING SYMBOL
3,341	EA	PERMANENT RAISED PAVEMENT MARKERS
24.21	ACR	SEEDING & MULCHING
24,500	LF	INDUCTIVE LOOP SAWCUT
7,750	LF	LEAD-IN CABLE (*************) (18-4)

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L080219 009

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

CONTRACT ID: C201769 33483.3.1 DIV OFFICE GREENSBORO LENGTH = 0.195 MI

**COUNTY** : **GUILFORD** 

GRADING, DRAINAGE, PAVING & STRUCTURE.

#### DBE GOAL 6.0% COMPLETION DATE: DEC 31 2009

#### BRIDGE OVER ALAMANCE CREEK & APPROACHES ON SR-3045.

		DO ADWAY ITEMS	23,420	LF	PAINT PAVEMENT MARKING LINES
		ROADWAY ITEMS	13	EA	(4") PERMANENT RAISED PAVEMENT
Luman Cum	1.0	MODII IZATION			MARKERS
Lump Sum Lump Sum	LS LS	MOBILIZATION REINFORCED BRIDGE APPROACH	1,000	LF	TEMPORARY SILT FENCE
Lump Sum	Lo	FILL, STATION ************************************	75	TON	STONE FOR EROSION CONTROL, CLASS A
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	310	TON	STONE FOR EROSION CONTROL, CLASS B
500	CY	UNDERCUT EXCAVATION	190	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	GRADING	2.5	ACR	TEMPORARY MULCHING
100	TON	CLASS IV SUBGRADE STABILIZA- TION	100 0.5	LB TON	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
5,500	CY	BORROW EXCAVATION	35	LF	ING TEMPORARY SLOPE DRAINS
40	CY	DRAINAGE DITCH EXCAVATION	1	EA	INLET PROTECTION AT TEMPORARY
400	CY	SELECT GRANULAR MATERIAL	1	Lit	SLOPE DRAINS
400	SY	FABRIC FOR SOIL STABILIZATION	250	LF	SAFETY FENCE
20	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	1,025	CY	SILT EXCAVATION
72	LF	18" SIDE DRAIN PIPE	885	SY	MATTING FOR EROSION CONTROL
52	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	210	SY	PERMANENT SOIL REINFORCEMENT MAT
61	LF	PIPE REMOVAL	60	LF	1/4" HARDWARE CLOTH
100	TON	INCIDENTAL STONE BASE	4	EA	SPECIAL STILLING BASINS
100	SY	INCIDENTAL MILLING	300	LF	COIR FIBER BAFFLES
600	TON	ASPHALT CONC BASE COURSE, TYPE	2.5 1.5	ACR ACR	SEEDING & MULCHING MOWING
		B25.0B	50	LB	SEED FOR REPAIR SEEDING
350	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	0.25	TON	FERTILIZER FOR REPAIR SEEDING
450	TON	ASPHALT CONC SURFACE COURSE,	50	LB	SEED FOR SUPPLEMENTAL SEEDING
430	1011	TYPE S9.5B	2	TON	FERTILIZER TOPDRESSING
70	TON	ASPHALT BINDER FOR PLANT MIX,	2	HR	SPECIALIZED HAND MOWING
		GRADE PG 64-22	12	EA	RESPONSE FOR EROSION CONTROL
19	EA	RIGHT OF WAY MARKERS	0.5	ACR	REFORESTATION
70	CY	SUBDRAIN EXCAVATION			
55	CY	SUBDRAIN FINE AGGREGATE			
300 9	LF EA	6" PERFORATED SUBDRAIN PIPE 6" SLIDDD AIN DIDE WYES TEES &			****** BEGIN SCHEDULE AA ******
,	LA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS			****** (3 ALTERNATES) ******
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	44	LF	15" RC PIPE CULVERTS, CLASS III
6	LF	6" OUTLET PIPE (SUBDRAINS)			*** OR ***
3	EA	MASONRY DRAINAGE STRUCTURES	28	LF	15" RC PIPE CULVERTS, CLASS
1	EA	FRAME WITH TWO GRATES, STD 840.24	16	LF	III ***" HDPE PIPE CULVERTS (15")
2	EA	FRAME WITH TWO GRATES, STD 840.29			*** OR ***
56	LF	SHOULDER BERM GUTTER	28	LF	15" RC PIPE CULVERTS, CLASS
450	LF	STEEL BM GUARDRAIL			III
5	EA	ADDITIONAL GUARDRAIL POSTS	16	LF	***" ALUMINIZED CORRUGATED
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			STEEL PIPE CULVERTS, ****" THICK (15", 0.064")
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			(15", 0.064")
30	TON	RIP RAP, CLASS I			*** END SCHEDULE AA ***
75	TON	RIP RAP, CLASS B			STRUCTURE ITEMS
580	SY	FILTER FABRIC FOR DRAINAGE			
5	SF	CONTRACTOR FURNISHED, TYPE *** SIGN			
		(E)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
13	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			(21+95.00-L-)
1	EA	SIGN ERECTION, TYPE E	75	LF	PILE EXCAVATION IN SOIL
11	EA	DISPOSAL OF SIGN SYSTEM, U-	15	LF	PILE EXCAVATION NOT IN SOIL
49	CE	CHANNEL WORK ZONE SIGNS (STATIONARY)	25	LF	3'-6" DIA DRILLED PIERS IN
48 96	SF SF	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)			SOIL
52	SF	WORK ZONE SIGNS (FORTABLE) WORK ZONE SIGNS (BARRICADE MOUNTED)	11	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
2	EA	CHANGEABLE MESSAGE SIGN	1	EA EA	SID INSPECTION CROSSHOLE SONIC LOGGING
50	EA	DRUMS	6,600	SF	REINFORCED CONCRETE DECK SLAB
50	EA	CONES	6,017	SF	GROOVING BRIDGE FLOORS
32	LF	BARRICADES (TYPE III)	59.2	CY	CLASS A CONCRETE (BRIDGE)
640	HR	FLAGGER	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
2	EA	TEMPORARY CRASH CUSHIONS	-		**************************************
2	EA	TMIA	11 521	ΙD	(21+95.00-L-) PEINEOPCING STEEL (PRIDGE)
650	LF EA	PORTABLE CONCRETE BARRIER TEMPORARY RAISED PAVEMENT	11,531 1,119	LB LB	REINFORCING STEEL (BRIDGE) SPIRAL COLUMN REINFORCING
103	сA	MARKERS	1,117	LD	STEEL (BRIDGE)

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205,700 LS APPROX ...... LBS STRUCTURAL STEEL

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L080219 010

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

DIV OFFICE GREENSBORO **CONTRACT ID: C201770** 33484.3.1 LENGTH = 0.221 MI

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING & STRUCTURE.

48 SF WORK ZONE SIGNS (STATIONARY) 96 SF WORK ZONE SIGNS (PORTABLE) WORK ZONE SIGNS (BARRICADE MOUNTED)

92 SF

#### DBE GOAL 7.0% COMPLETION DATE: DEC 31 2009

#### BRIDGE OVER BIG ALAMANCE CREEK & APPROACHES ON SR-3394.

		ROADWAY ITEMS	50	EA	DRUMS
			50	EA	CONES
			64	LF	BARRICADES (TYPE III)
Lump Sum	LS	MOBILIZATION	640	HR	FLAGGER
Lump Sum	LS	CONSTRUCTION SURVEYING	136	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************	30,048	LF	PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	(15+35.000) GRADING	13	EA	PERMANENT RAISED PAVEMENT MARKERS
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	3,230	LF	TEMPORARY SILT FENCE
500 50	CY TON	UNDERCUT EXCAVATION CLASS IV SUBGRADE STABILIZA-	105	TON	STONE FOR EROSION CONTROL, CLASS A
		TION	785	TON	STONE FOR EROSION CONTROL, CLASS B
40 500	CY CY	DRAINAGE DITCH EXCAVATION SELECT GRANULAR MATERIAL	215	TON	SEDIMENT CONTROL STONE
500	SY	FABRIC FOR SOIL STABILIZATION	1.5	ACR	TEMPORARY MULCHING
30	TON	FOUNDATION CONDITIONING MATE-	50	LB	SEED FOR TEMPORARY SEEDING
		RIAL, MINOR STRS	0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
24	LF	15" SIDE DRAIN PIPE	90	LF	TEMPORARY SLOPE DRAINS
188	LF	18" SIDE DRAIN PIPE	3	EA	INLET PROTECTION AT TEMPORARY
40 28	LF LF	24" SIDE DRAIN PIPE 15" BIT COAT CS PIPE CULVERTS,			SLOPE DRAINS
20		TYPE B 0.064" THICK	300	LF	SAFETY FENCE
148	LF	PIPE REMOVAL	2,800	CY SY	SILT EXCAVATION
1,056	TON	AGGREGATE BASE COURSE	600 1,385	SY	MATTING FOR EROSION CONTROL PERMANENT SOIL REINFORCEMENT
200	TON	INCIDENTAL STONE BASE	1,505	51	MAT
450	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	50	LF	1/4" HARDWARE CLOTH
250	TON	ASPHALT CONC INTERMEDIATE	600	LF	COIR FIBER BAFFLES
		COURSE, TYPE I19.0B	2	ACR	SEEDING & MULCHING
800	TON	ASPHALT CONC SURFACE COURSE,	1	ACR	MOWING
00	TON	TYPE S9.5B	50 0.25	LB TON	SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING
80	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	50	LB	SEED FOR SUPPLEMENTAL SEEDING
10	EA	RIGHT OF WAY MARKERS	1.5	TON	FERTILIZER TOPDRESSING
25	CY	SUBDRAIN EXCAVATION	2	HR	SPECIALIZED HAND MOWING
20	CY	SUBDRAIN FINE AGGREGATE	27	EA	RESPONSE FOR EROSION CONTROL
100	LF	6" PERFORATED SUBDRAIN PIPE	0.25	ACR	REFORESTATION
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS			
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET			STRUCTURE ITEMS
6	LF	6" OUTLET PIPE (SUBDRAINS)			
0.1	CY	PIPE PLUGS			
1	EA	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
1 1	LF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD			REMOVAL OF TEMP STRUCTURE AT STA ********
		840.29			(15+35.00-L-)
23	LF	SHOULDER BERM GUTTER	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION *********
1	EA	ADJUSTMENT OF MANHOLES			(15+35.00-L-)
275	LF	STEEL BM GUARDRAIL	30	LF	PILE EXCAVATION IN SOIL
150	LF	STEEL BM GUARDRAIL, SHOP CURVED	105	LF	PILE EXCAVATION NOT IN SOIL
5	EA	ADDITIONAL GUARDRAIL POSTS	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
3	EA	GUARDRAIL ANCHOR UNITS, TYPE			(15+35.00-L-)
		AT-1	3,933	SF	REINFORCED CONCRETE DECK SLAB
1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	3,986	SF	GROOVING BRIDGE FLOORS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	43.4 Lump Sum	CY LS	CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
275	LF	TEMPORARY STEEL BM GUARDRAIL	-		******
100	LF	TEMPORARY STEEL BM GUARDRAIL	5 975	LB	(15+35.00-L-) REINFORCING STEEL (BRIDGE)
		(SHOP CURVED)	5,875 120,700	LS	APPROX LBS STRUCTURAL
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ********* TEMPORARY	270	LE	STEEL NI ES
		(AT-1)	270 220	LF LF	HP12X53 STEEL PILES CONCRETE BARRIER RAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ******** TEMPORARY	397	TON	RIP RAP CLASS II (2'-0" THICK)
		(B-77)	441	SY	FILTER FABRIC FOR DRAINAGE
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	Lump Sum	LS	EVAZOTE JOINT SEALS
30	TON	RIP RAP, CLASS I			
80	TON	RIP RAP, CLASS B			
425	SY	FILTER FABRIC FOR DRAINAGE			

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L080219 011

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

**CONTRACT ID: C201773** 33596.3.1 **DIV OFFICE GREENSBORO** LENGTH = 0.180 MI

: ROCKINGHAM

15 TON RIP RAP, CLASS I 75 TON RIP RAP, CLASS B

ING

25 SY COIR FIBER MAT 185 LF 1/4" HARDWARE CLOTH 105 LF COIR FIBER BAFFLES

25 LF TEMPORARY SLOPE DRAINS 250 LF SAFETY FENCE 330 CY SILT EXCAVATION

800 SY MATTING FOR EROSION CONTROL

406 SF

310 SY FILTER FABRIC FOR DRAINAGE

WORK ZONE SIGNS (STATIONARY) 94 SF WORK ZONE SIGNS (BARRICADE MOUNTED) 64 LF BARRICADES (TYPE III) 7,600 LF PAINT PAVEMENT MARKING LINES 12 EA PERMANENT RAISED PAVEMENT MARKERS 355 LF TEMPORARY SILT FENCE 75 TON STONE FOR EROSION CONTROL, CLASS A 70 TON STONE FOR EROSION CONTROL, CLASS B 75 TON SEDIMENT CONTROL STONE 1 ACR TEMPORARY MULCHING 50 LB SEED FOR TEMPORARY SEEDING 0.25 TON FERTILIZER FOR TEMPORARY SEED-

GRADING, DRAINAGE, PAVING & STRUCTURE.

#### DBE GOAL 6.0% COMPLETION DATE: SEE SPECIAL PROVISIONS

#### BRIDGE OVER ROSE CREEK AND APPROACHES ON SR-2627.

		ROADWAY ITEMS	2	EA	**" SKIMMER (1-1/2")
			1	ACR	SEEDING & MULCHING
Lump Sum	LS	MOBILIZATION	0.5	ACR	MOWING
Lump Sum	LS	REINFORCED BRIDGE APPROACH	50	LB	SEED FOR REPAIR SEEDING
Lump Sum	Lo	FILL, STATION *********	0.25	TON	FERTILIZER FOR REPAIR SEEDING
		(18+00.000)	50	LB	SEED FOR SUPPLEMENTAL SEEDING
Lump Sum	LS	GRADING	0.75	TON	FERTILIZER TOPDRESSING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	2.5	HR	SPECIALIZED HAND MOWING
		BING	12	EA	RESPONSE FOR EROSION CONTROL
500	CY	UNDERCUT EXCAVATION			
100	TON	CLASS IV SUBGRADE STABILIZA- TION			
60	CY	DRAINAGE DITCH EXCAVATION			STRUCTURE ITEMS
400	CY	SELECT GRANULAR MATERIAL			
400	SY	FABRIC FOR SOIL STABILIZATION			
10	TON	FOUNDATION CONDITIONING MATE-	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
		RIAL, MINOR STRS			AT STATION ************************************
24	LF	15" RC PIPE CULVERTS, CLASS	Lump Sum	LS	(18+00.00-L-) UNCLASSIFIED STRUCTURE EXCAVA
24		III	Lump sum	LS	TION AT STATION *******
24	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			(18+00.00-L-)
2	EA	15" BIT COAT CS PIPE ELBOWS,	50.4	CY	CLASS A CONCRETE (BRIDGE)
2	LA	TYPE B 0.064" THICK	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
35	TON	AGGREGATE BASE COURSE	_		*****
225	SY	INCIDENTAL MILLING			(18+00.00-L-)
220	TON		7,420	LB	REINFORCING STEEL (BRIDGE)
		B25.0B	400	LF	HP12X53 STEEL PILES
490	TON	ASPHALT CONC SURFACE COURSE,	195.33	LF	CONCRETE BARRIER RAIL
		TYPE SF9.5A	170	TON	RIP RAP CLASS II (2'-0" THICK)
45	TON	ASPHALT BINDER FOR PLANT MIX,	189	SY	FILTER FABRIC FOR DRAINAGE
4.5	CV.	GRADE PG 64-22	Lump Sum	LS	ELASTOMERIC BEARINGS
45	CY	SUBDRAIN EXCAVATION	1,074.33	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
35	CY	SUBDRAIN FINE AGGREGATE			BOA BEAWS
200	LF EA	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			
-	Lit	840.29			
84	LF	SHOULDER BERM GUTTER			
962.5	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
1.5	TON	DID DAD, CLASS I			

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L080219 012

#### STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C201998 41598 DIV OFFICE GREENSBORO LENGTH = 4.340 MI

COUNTY : GUILFORD

MILLING, RESURFACING, ULTRATHIN, SHLDR RECONST, & CONC ISLD.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : OCT 31 2008

#### US-29 FROM I-40 TO NORTH OF CONE.

Lump Sum	LS	MOBILIZATION
Lump Sum 4	LS LF	GRADING 15" RC PIPE CULVERTS, CLASS
1.61	SMI	III SHOULDER RECONSTRUCTION
64,025	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (2")
424	SY	INCIDENTAL MILLING
19,972	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,197	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
377	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-28
6,472	TON	ULTRATHIN HOT MIX ASPHALT, TYPE B
185,347	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT
244,074	SY	GENERIC PAVING ITEM VARIABLE DEPTH MILLING
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
265	LF	2'-6" CONCRETE CURB & GUTTER
1,026	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
17	EA	ADJUSTMENT OF MANHOLES
8	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE COVER
2	EA	FLASHING ARROW PANELS, TYPE C
2	EA	CHANGEABLE MESSAGE SIGN
50	EA	DRUMS
1	EA	TEMPORARY CRASH CUSHIONS
1	EA	TMIA
400	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)
100	EA	SKINNY DRUM
111,020	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
25,367	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
14,445	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
270	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
67	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
92	EA EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) THERMOPLASTIC PAVEMENT MARKING
60 199,730		SYMBOL (90 MILS) PAINT PAVEMENT MARKING LINES
28,240	LF LF	(4") PAINT PAVEMENT MARKING LINES
184	EA	(8") PAINT PAVEMENT MARKING CHARAC-
108	EA	TER PAINT PAVEMENT MARKING SYMBOL
1,669	EA	SNOWPLOWABLE PAVEMENT MARKERS
384	EA	GENERIC TRAFFIC CONTROL ITEM REPLACE EXIST BARRIER DELINEAT ORS
Lump Sum	LS	PORTABLE LIGHTING
1.6	ACR	SEEDING & MULCHING
30	LF	PAVED TRENCHING (*********) (1", 2)
460	LF	INDUCTIVE LOOP SAWCUT
30	LF	LEAD-IN CABLE (************) (14-2)

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L080219 013

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

CONTRACT ID: C201772 33588.3.1 DIV OFFICE ABERDEEN LENGTH = 0.363 MI

COUNTY : RANDOLPH

GRADING, DRAINAGE, PAVING & STRUCTURE.

#### DBE GOAL 7.0% COMPLETION DATE: NOV 01 2008

#### BRIDGE #257 & #228 OVER RICHLAND CREEK AND APPROACHES ON SR-2824 & SR-2834.

Page						
			ROADWAY ITEMS			INLET PROTECTION AT TEMPORARY
Limp Seas   1.5   SOURCE   1.5   SC   ST   EXCAVATION   1.5   SC   ST   EXCAVATION   1.5   SC   SC   ST   EXCAVATION   1.5   SC   SC   SC   SC   SC   SC   SC   S				500	ΙF	
Section   1.5	Lump Sum		MOBILIZATION			
	Lump Sum	LS				
				· · · · · · · · · · · · · · · · · · ·		
THIS   STRICK   STR	Lumn Sum	LS				
	Dump Sum	Lo		1.0	٠.	
2 ACR   SUPPLEMENTARY CLAREND & GRUE   10   10   10   10   10   10   10   1				40	LF	1/4" HARDWARE CLOTH
BING	Lump Sum	LS	GRADING	8	EA	SPECIAL STILLING BASINS
CV   INDERCUT EXCAVATION   CP	2	ACR		530	LF	COIR FIBER BAFFLES
C				2	EA	**" SKIMMER
Column						
50   SY   FABRIC POR SOLE STABLIZATION   100   111   115						
The content of the						
RIAL_MINOR STRES						
1.   18   SIDE DRAIN PIPE	25	ION				
2	60	LE				
TYPE BOOST THICK						
EA	2-1	Li				
1	2	EA	15" BIT COAT CS PIPE ELBOWS,	24	EA	RESPONSE FOR EROSION CONTROL
1.98			TYPE B 0.064" THICK			
1,080 TON   ASPIRALT CONC BASE COURSE, TYPE   190    8	60	LF	PIPE REMOVAL			
100   100   ASSIGN   AND ASSIGN   AND ASSIGN   AND ASSIGN   AND ASSIGN   AND ASSIGN   AND ASSIGN   A	50	TON	INCIDENTAL STONE BASE			
1	1,080	TON				(**************************************
COURSE, TYPE 19-98				8	LF	
The color	300	TON		28	IE	
110   TON   ASPHALT BINDER FOR PLANT MIX, GRADE FG 64-22   TON   ASPHALT BINDER FOR PLANT MIX, PAVEMENT   SEPAR   SE	755	TON		20	LI	
11	133	TON		12	LF	36" RC PIPE CULVERTS, CLASS
25   TOW ASPIRALT PLANT MIX, PAVEMENT   REPAIR	110	TON				
26   E. A.   RIGHT OF WAY MARKERS   28   15   15   15   16   16   17   17   17   17   17   17						*** OR ***
26   EA   RIGHT OF WAY MARKERS   28   LF   C   C   C   C   C   C   C   C   C	25	TON		8	LF	***" HDPE PIPE CULVERTS
0.13   CV   PIPE PLUGS						
3				28	LF	
3.7   LF   MASONRY DRAINAGE STRUCTURES     36°)				12		` /
### PROPRIES   FRAME WITH TWO GRATES, STD   ### PROPRIES   ### PRO				12	LF	
1						
1	2	EA		o	LE	
HICK   1	1	FΔ		8	LF	
175						
10 EA ADDITIONAL GUARDRAIL POSTS 4 EA GUARDRAIL ANCHOR UNITS, TYPE 11 III 8 EA GUARDRAIL ANCHOR UNITS, TYPE 12 III 8 EA GUARDRAIL ANCHOR UNITS, TYPE 350 12 LF STEEL PIPE CULVERTS, ***** THICK (24*, 064*)  12 LF **** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (36*: 0.064*)  13 TON RIP RAP, CLASS B 12 PR FAP, CLASS B 12 PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON 14 SF WORK ZONE SIGNS (BARRICADE MOUNTED) 15 BARRICADES (TYPE III) 16 BARRICADES (TYPE III) 17 LE BARRICADES (TYPE III) 18 JEAGGER 18 LUMP SUM 18 JEAGGER 19 LUMP SUM 18 REMOVAL OF EMP ACCESS AT STA 19 LINES (4**, 90 MILS) 18 REMOVAL OF EXISTING STRUCTURE 18 LINES (4**, 90 MILS) 18 REMOVAL OF EXISTING STRUCTURE 19 LINES (4**, 120 MILS) 10 TON STONE FOR EROSION CONTROL CLASS A 10 LINES (4**, 120 MILS) 10 STONE FOR EROSION CONTROL CLASS A 10 LINES (4**, 120 MILS) 10 STONE FOR EROSION CONTROL CLASS A 10 LF THERMOPARY SILE TENCE 10 LS STRUCTURE AT STATION 10 LS REMOVAL OF EXISTING STRUCTURE 11 AT STATION 11 ANT STATION SOIL 11 F GROWEN SILED PIERS IN SO II. 12 STONE FOR EROSION CONTROL CLASS A 15 TON SEDMENT CONTROL STONE 14 EA SID INSPECTION 15 TON SEDMENT CONTROL STONE 16 EA SID INSPECTION 16 EXPENDIANCY SEED- 17 SED FOR TEMPORARY SEED- 18 SUNCLASSIFIED STRUCTURE EXCAVA- TIONA ST STATION ************************************						
Bacterial Control of the Control o				28	LF	
II	4	EA				
8 EA GUARDRAIL ANCHOR UNITS, TYPE 350 4 EA GUARDRAIL ANCHOR UNITS, TYPE 350 6 LF GUARDRAIL ANCHOR UNITS, TYPE 350 700 LF WOVEN WIRE FENCE RESET 103 TON RIP RAP, CLASS B 1,212 SY FILTER FABRIC FOR DAINAGE 1 EA PREFORMED SCOUR HOLES WITH 1,212 SY FILTER FABRIC FOR DAINAGE 1 EVEL SPREADER APRON 40 SF WORK ZONE SIGNS (BARRICADE MOUNTED) 41 MR FLAGGER 41 LF BARRICADES (TYPE III) 42 Lump Sum 43 LS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA 45 LT THERMOPLASTIC PAVEMENT MARKING 1,101 HR FLAGGER 1,102 THERMOPLASTIC PAVEMENT MARKING 1,103 LINES (4", 190 MILS) 1,105 LINES (4", 190 MILS) 1,106 LY THERMOPLASTIC PAVEMENT MARKING 1,107 LINES (4", 190 MILS) 1,108 LF THERMOPLASTIC PAVEMENT MARKING 1,109 LINES (4", 190 MILS) 1,109 LF THERMOPLASTIC PAVEMENT MARKING 1,109 LINES (4", 190 MILS) 1,109 LF THERMOPLASTIC PAVEMENT MARKING 1,109 LE PREMAMENT RAISED PAVEMENT 1,107 LAD MILES (4", 190 MILS) 1,108 LF THERMOPLASTIC PAVEMENT 1,108 LS REMOVAL OF EXISTING STRUCTURE 1,109 LAD MILES (4", 190 MILS) 1,109 LS REMOVAL OF EXISTING STRUCTURE EXCAVA- 1,100 AT STRUCTURE EXCAVA- 1,10						
4 EA GUARDRAIL ANCHOR UNITS, TYPE B-77  700 LF WOVEN WIRE FENCE RESET  103 TON RIP RAP, CLASS B  1,212 SY FILTER FABRIC FOR DRAINAGE  1 EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  40 HR FLAGGER  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)  4 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  4 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  5 TON STONE FOR EROSION CONTROL, CLASS A  5 TON STONE FOR EROSION CONTROL, CLASS B  5 CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************	8	EA	GUARDRAIL ANCHOR UNITS, TYPE	12	LF	
B-77  FOOL LF WOVEN WIRE FENCE RESET  103 TON RIP RAP, CLASS B  1,212 SY FILTER FABRIC FOR DRAINAGE  1 EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  64 LF BARRICADES (TYPE III)  65 LINES (4", 90 MILS)  66 LF HERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)  67 LINES (4", 120 MILS)  68 LF PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  69 LF 12" FORCE MAIN SEWER  60 LF 12" FORCE MAIN SEWER  60 LF 12" FORCE MAIN SEWER  61 TO STONE FOR EROSION CONTROL, CLASS A  62 LF TEMPORARY SILT FENCE  63 TON STONE FOR EROSION CONTROL, CLASS B  64 LF DEPARTMENT CONTROL STONE  65 LONS TRUCTURE ITEMS   ****END SCHEDULE AA ****  *****************************						
700 LF WOVEN WIRE FENCE RESET  103 TON RIP RAP, CLASS B  1,212 SY FILTER FABRIC FOR DRAINAGE  1 EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  40 LEVEL SPREADER APRON  41 LEVEL SPREADER APRON  42 LUMP Sum LEVEL SPREADER APRON  43 LIMES (4", 90 MILS)  44 LEVEL SPREADER APRON  45 LINES (4", 90 MILS)  46 LEVEL SPREADER APRON  47 LINES (4", 90 MILS)  48 LEVEL SPREADER MOVAL OF TEMP ACCESS AT STA ******************************	4	EA	,			
103 TON RIP RAP, CLASS B  1,212 SY FILTER FABRIC FOR DRAINAGE  1, EA PERFORMEDS SCOUR HOLES WITH LEVEL SPREADER APRON  1, EVEL SPREADER APRON  1, EMEMOVAL OF EXISTING STRUCTURE  1, EMEMOVAL OF EX	700	LE				(36". 0.064")
1,212 SY FILTER FABRIC FOR DRAINAGE  1 EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  41 LEVEL SPREADER STRUCTURE ITEMS  42 LIMP SUM LS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA (16+42.50-L-)  11 LIMP SUM LS REMOVAL OF EXISTING STRUCTURE AT STATION ************************************						
1 EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  40 LEVEL SPREADER APRON  41 LEVEL SPREADER APRON  42 LOWER ZONE SIGNS (BARRICADE MOUNTED)  43 LEVEL SPREADER APRON  44 LEF BARRICADES (TYPE III)  45 LEVEL SPREADER APRON  46 LEF BARRICADES (TYPE III)  46 LINES (4", 90 MILS)  47 LINES (4", 90 MILS)  48 LUMP SUM LINES (4", 90 MILS)  48 LUMP SUM LINES (4", 120 MILS)  48 LUMP SUM LINES (4", 120 MILS)  49 LINES (4", 120 MILS)  40 LUMP SUM LINES (4", 120 MILS)  40 LINES (4", 120 MILS)  41 LUMP SUM LINES (4", 120 MILS)  42 LUMP SUM LINES (4", 120 MILS)  43 LUMP SUM LINES (4", 120 MILS)  44 LUMP SUM LINES (4", 120 MILS)  45 LEMPORARY SILT FENCE  46 LEF LEMPORARY SILT FENCE  47 LEF LEMPORARY SILT FENCE  48 LEF JA-0" DIA DRILLED PIERS IN SO IL LINES (4", 120 MILS)  46 LEVEL STRUCTURE TEMS  47 LEMPORARY SILT OF TEMPORARY SILT FENCE  48 LEP LEMPORARY SILT FENCE  49 LEP LEMPORARY SILT FENCE  40 LEVEL STRUCTION STORE FOR EROSION CONTROL, CLASS A  587 LEF PERMANENT STEEL CASING FOR SI-D FOR EROSION CONTROL, CLASS B  587 LEF PERMANENT STEEL CASING FOR SI-D FOR EROSION CONTROL, CLASS B  587 LEF PERMANENT STEEL CASING FOR SI-D FOR EROSION CONTROL, CLASS B  587 LEF PERMANENT STEEL CASING FOR SI-D FOR EROSION CONTROL, CLASS B  587 LEF SEMPORARY MULCHING  580 LUMP SUM  580 LUMP SUM  58 LEVENOVAL OF TEMPORARY SEEDING  58 LUMP SUM  58 LUMP SUM  58 LEWOVAL OF TEMPORARY SEEDING  59 LUMP SUM  50 LEMPOVAL OF TEMPORARY SEEDING  50 LUMP SUM  50 LUMP SUM  50 LUMP SUM  50 L						*** END SCHEDULE AA ***
LEVEL SPREADER APRON  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  40 SF WORK ZONE SIGNS (BARRICADE MOUNTED)  41 LIMP SUM LS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ******************************						STRUCTURE ITEMS
40 SF WORK ZONE SIGNS (BARRICADE MOUNTED) Lump Sum LS CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA  44 LF BARRICADES (TYPE III)  45 FLAGGER  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)  46 LINES (4", 90 MILS)  47 LINES (4", 120 MILS)  48 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  48 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  49 LF 12" FORCE MAIN SEWER  40 LF 12" FORCE MAIN SEWER  41 SADJON 12" UTILITY PIPE  42 LF TEMPORARY SILT FENCE  45 SOIL  46 TON STONE FOR EROSION CONTROL, CLASS A  46 TON STONE FOR EROSION CONTROL, CLASS B  47 STATION SEDIMENT CONTROL STONE  48 SPOT TESTING  49 LE SCONSTRUCTION, MAINTENANCE, & REMOVAL OF EXISTING STRUCTURE AT STATION ************************************	1	LA				
64 LF BARRICADES (TYPE III)  100 HR FLAGGER  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)  28 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  17 LF BABANDON 12" UTILITY PIPE  21 LF TEMPORARY SILT FENCE  22 LO STONE FOR EROSION CONTROL, CLASS A  365 TON STONE FOR EROSION CONTROL, CLASS B  365 TON SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY SEEDING  150 LB SEED FOR TEMPORARY SEEDING  150 LB SEED FOR TEMPORARY SEEDING  150 LB SEED FOR TEMPORARY SEEDING  150 Lump Sum  150 STONE FOR EROSION CONTROL, SOIL  150 LUMP SUM  150	40	SF				
100   HR   FLAGGER			MOUNTED)	Lump Sum	LS	
100 HR FLAGGER  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)  28 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  17 LF 12" FORCE MAIN SEWER  17 LF ABANDON 12" UTILITY PIPE  18 LF TEMPORARY SILT FENCE  19 STONE FOR EROSION CONTROL, CLASS A  365 TON STONE FOR EROSION CONTROL, CLASS B  10 SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY MULCHING  150 LB SEED FOR TEMPORARY SEEDING  150 LB SEED FOR TEMPORARY SEEDING  150 LUmp Sum Lump S	64	LF	BARRICADES (TYPE III)			
Lump Sum LS LINES (4", 90 MILS)  3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)  EAP PERMANENT RAISED PAVEMENT MARKERS  EA PERMANENT RAISED PAVEMENT MARKERS  67 LF 12" FORCE MAIN SEWER  177 LF ABANDON 12" UTILITY PIPE  180 LINES (4", 120 MILS)  Lump Sum LS REMOVAL OF EXISTING STRUCTURE AT STATION ************************************	100	HR				
3,836 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)  28 EA PERMANENT RAISED PAVEMENT MARKING LINES (4", 120 MILS)  67 LF 12" FORCE MAIN SEWER  177 LF ABANDON 12" UTILITY PIPE  180 TON STONE FOR EROSION CONTROL, CLASS B  160 TON STONE FOR EROSION CONTROL, CLASS B  170 SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY SILED FOR EROSION CONTROL SEDIMENT CONTROL S	3,836	LF		Lumn Sum	15	
1642.50-L-)  Lump Sum  Lum				Lump Sum	LO	AT STATION *********
28	3,836	LF				
MARKERS	20	EA		Lump Sum	LS	
134.7   LF   12" FORCE MAIN SEWER   134.7   LF   3'-0" DIA DRILLED PIERS IN SO   LF   12" FORCE MAIN SEWER   134.7   LF   3'-0" DIA DRILLED PIERS IN SO   LF   15.0   LF   1	20	LA				
177 LF ABANDON 12" UTILITY PIPE  2,195 LF TEMPORARY SILT FENCE  15.8 LF 3'-0" DIA DRILLED PIERS NOT IN SOIL  STONE FOR EROSION CONTROL,  CLASS A  365 TON STONE FOR EROSION CONTROL,  CLASS B  2 EA SID INSPECTION  315 TON SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY MULCHING  150 LB SEED FOR TEMPORARY SEEDING  150 LUmp Sum  Lump Sum  LUMP Sum  LUCLASSIFIED STRUCTURE EXCAVA-  TION AT STATION **********	67	LF		124.7	LE	
2,195 LF TEMPORARY SILT FENCE 15.8 LF 3'-0" DIA DRILLED PIERS NOT IN SOIL  STONE FOR EROSION CONTROL, CLASS A 58.7 LF PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIERS NOT IN SOIL  STONE FOR EROSION CONTROL, CLASS B 2 EA SID INSPECTION  315 TON SEDIMENT CONTROL STONE 4 EA SPT TESTING  4.5 ACR TEMPORARY MULCHING 1 EA CROSSHOLE SONIC LOGGING  150 LB SEED FOR TEMPORARY SEEDING Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA-  170 TON FERTILIZER FOR TEMPORARY SEED-				134.7	LF	
150 TON STONE FOR EROSION CONTROL, CLASS A  365 TON STONE FOR EROSION CONTROL, CLASS B  315 TON SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY MULCHING  150 LB SEED FOR TEMPORARY SEEDING  150 LB SEED FOR TEMPORARY SEEDING  150 TON FERTILIZER FOR TEMPORARY SEED-  SOIL  380 SOIL  380 SOIL  380 SOIL  380 SOIL  380 SOIL  380 SEDIMENT STEEL CASING FOR  380 SID INSPECTION  4 EA SPIT TESTING  4 CROSSHOLE SONIC LOGGING  Lump Sum LS  UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ************************************				15.8	LF	
CLASS A  58.7 LF PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER  CLASS B  2 EA SID INSPECTION  315 TON SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY MULCHING  150 LB SEED FOR TEMPORARY SEEDING  0.75 TON FERTILIZER FOR TEMPORARY SEED-  150 LB SEED FOR TEMPORARY SEED-				13.0		
CLASS B  2 EA SID INSPECTION  315 TON SEDIMENT CONTROL STONE  4.5 ACR TEMPORARY MULCHING  150 LB SEED FOR TEMPORARY SEEDING  0.75 TON FERTILIZER FOR TEMPORARY SEED-  2 EA SID INSPECTION  4 EA SPT TESTING  CROSSHOLE SONIC LOGGING  Lump Sum  Lump Sum  Lump Sum  TION AT STATION ************************************				58.7	LF	PERMANENT STEEL CASING FOR
315 TON SEDIMENT CONTROL STONE 4.5 ACR TEMPORARY MULCHING 150 LB SEED FOR TEMPORARY SEEDING 1.75 TON FERTILIZER FOR TEMPORARY SEED-  315 TON SEDIMENT CONTROL STONE 4.5 EA SPT TESTING 1 EA CROSSHOLE SONIC LOGGING 1 Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ********* 1 TION AT STATION ***********	365	TON				3'-0" DIA DRILLED PIER
4.5 ACR TEMPORARY MULCHING 150 LB SEED FOR TEMPORARY SEEDING 1.75 TON FERTILIZER FOR TEMPORARY SEED-  1 EA CROSSHOLE SONIC LOGGING Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *********		me			EA	
150 LB SEED FOR TEMPORARY SEEDING Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA- 0.75 TON FERTILIZER FOR TEMPORARY SEED- TION AT STATION *********						
0.75 TON FERTILIZER FOR TEMPORARY SEED- TION AT STATION **********						
				Lump Sum	LS	
11111 + / 1111 + / 1111 - 1	0.75	ION	ING			(16+42.50-L-)

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4,100	SF	CONCRETE WEARING SURFACE
5,123	SF	GROOVING BRIDGE FLOORS
114.1	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
		(16+42.50-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
		(17+04.00-L-)
28,630	LB	REINFORCING STEEL (BRIDGE)
3,154	LB	SPIRAL COLUMN REINFORCING
		STEEL (BRIDGE)
690	LF	HP12X53 STEEL PILES
7	EA	STEEL PILE POINTS
228.46	LF	TWO BAR METAL RAIL
188.25	LF	CONCRETE BARRIER RAIL
244.8	LF	1'-**"X *****" CONCRETE PARA- PET
		(1'-2" X 2'-11")
540	TON	RIP RAP CLASS II (2'-0" THICK)
594	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1,128	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS
1,465.38	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

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L080219 014

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

CONTRACT ID: C201776 37331.3.1 DIV OFFICE ABERDEEN LENGTH = 0.630 MI

COUNTY : RANDOLPH

REST AREA.

#### DBE GOAL 10.0% COMPLETION DATE: DEC 31 2009

#### REST AREAS ON 1-73 / 74 & US-220 BYPASS NB & SB SOUTH OF SEAGROVE.

		ROADWAY ITEMS	12	LF	6" OUTLET PIPE (SUBDRAINS)
			20	TON	BLOTTING SAND
			7.9	CY	ENDWALLS
Lump Sum	LS	MOBILIZATION	1.06	CY	PIPE COLLARS
Lump Sum	LS	CLEARING & GRUBBING ACRE(S)	100	EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH GRATE, STD 840.****
3	ACR	SUPPLEMENTARY CLEARING & GRUB-	3	EA	(840.20)
181,200	CY	BING UNCLASSIFIED EXCAVATION	17	EA	FRAME WITH GRATE, STD 840.22
17,635	CY	UNDERCUT EXCAVATION	7	EA	FRAME WITH GRATE & HOOD, STD
8,400	TON	CLASS IV SUBGRADE STABILIZA-			840.03, TYPE **
0,100	1011	TION			(E)
111,600	CY	BORROW EXCAVATION	40	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
10,910	CY	DRAINAGE DITCH EXCAVATION			(F)
2,970	SY	REMOVAL OF EXISTING ASPHALT	27	EA	FRAME WITH GRATE & HOOD, STD
4.0	***	PAVEMENT			840.03, TYPE **
18	HR	PROOF ROLLING		E.	(G)
5,650 5,650	CY SY	SELECT GRANULAR MATERIAL FABRIC FOR SOIL STABILIZATION	5 2	EA EA	FRAME WITH COVER, STD 840.54 **" SLUICE GATE
1,000	TON	FOUNDATION CONDITIONING MATE-	2	EA	(24")
1,000	1011	RIAL, MINOR STRS	2	EA	**" SLUICE GATE
1,432	LF	18" RC PIPE CULVERTS, CLASS			(6")
		III	1	EA	GENERIC DRAINAGE ITEM
192	LF	30" RC PIPE CULVERTS, CLASS			RETICULINE FRAME & GRATE
1.40	LE	III	2	EA	GENERIC DRAINAGE ITEM TRASH RACK
148	LF	42" RC PIPE CULVERTS, CLASS III	1,197	SY	GENERIC DRAINAGE ITEM
548	LF	15" BIT COAT CS PIPE CULVERTS,	1,197	31	10MM IMPERVIOUS PLASTIC
540	1.1	TYPE B 0.064" THICK	1	CY	GENERIC DRAINAGE ITEM
452	LF	24" BIT COAT CS PIPE CULVERTS,			4" CONCRETE PAD FOR TRASH RACK
		TYPE B 0.064" THICK	112	CY	GENERIC DRAINAGE ITEM
132	LF	30" BIT COAT CS PIPE CULVERTS,	40.500		WASHED CONCRETE SAND
0.4	LE	TYPE B 0.079" THICK	18,600	LF	2'-6" CONCRETE CURB & GUTTER
84	LF	36" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK	5,075	SY	4" CONCRETE SIDEWALK
2	EA	**" BIT COAT CS PIPE ELBOWS,	20 500	EA SY	CONCRETE WHEELCHAIR RAMPS 6" CONCRETE DRIVEWAY
		TYPE B *****" THICK	2,450	LF	STEEL BM GUARDRAIL
		(36", 0.079")	2,430	EA	ADDITIONAL GUARDRAIL POSTS
14	EA	15" BIT COAT CS PIPE ELBOWS,	4	EA	GUARDRAIL ANCHOR UNITS, TYPE
0	EA	TYPE B 0.064" THICK	•		CAT-1
8	EA	24" BIT COAT CS PIPE ELBOWS, T YPE B 0.064" THICK	2	EA	GUARDRAIL ANCHOR UNITS, TYPE
4	EA	30" BIT COAT CS PIPE ELBOWS, T			350
		YPE B 0.079" THICK	1,780	LF	REMOVE EXISTING GUARDRAIL
48	LF	GENERIC PIPE ITEM	13,420	LF	WOVEN WIRE FENCE, 47" FABRIC
		6" HDPE PIPE	875	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
105	LF	GENERIC PIPE ITEM 6" PERF. HDPE	171	EA	5" TIMBER FENCE POSTS, 8'-0"
17	EA	GENERIC PIPE ITEM	-,-		LONG
- 7		6" HDPE CAPS, TEES, Y'S	550	LF	VINYL COATED CHAIN LINK FENCE,
		& ELBOWS			**" FABRIC
181	LF	PIPE REMOVAL	460	I F	(72")
Lump Sum	LS	FINE GRADING	460 54	LF EA	CHAIN LINK FENCE, 48" FABRIC METAL LINE POSTS FOR **" CHAIN
49,078	SY	LIME TREATED SOIL (SLURRY	34	LA	LINK FENCE
2.15	TON	METHOD) LIME FOR LIME TREATED SOIL			(72")
345 100	TON	#57 STONE	40	EA	METAL LINE POSTS FOR 48" CHAIN
1,000	TON	STABILIZER AGGREGATE			LINK FENCE
		AGGREGATE BASE COURSE	2	EA	METAL TERMINAL POSTS FOR **" CHAIN LINK FENCE
49.078	SY	SOIL CEMENT BASE			(72")
405	TON	PORTLAND CEMENT FOR SOIL CE-	5	EA	METAL TERMINAL POSTS FOR 48"
		MENT BASE			CHAIN LINK FENCE
7,363		ASPHALT CURING SEAL	40	LF	GENERIC FENCING ITEM
		INCIDENTAL STONE BASE	1.000		6' WOOD FENCE
2,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	1,009	LF	GENERIC FENCING ITEM WOOD SPLIT RAIL FENCE
12.960	TON	ASPHALT CONC INTERMEDIATE	788	TON	RIP RAP, CLASS I
12,900	TON	COURSE, TYPE I19.0C	117	TON	RIP RAP, CLASS B
10.030	TON	ASPHALT CONC SURFACE COURSE,	615	SY	FILTER FABRIC FOR DRAINAGE
.,		TYPE S9.5C	6	CY	REINFORCED CONCRETE SIGN FOUN-
730	TON	ASPHALT BINDER FOR PLANT MIX,			DATIONS
		GRADE PG 64-22	719	LB	SUPPORTS, BREAKAWAY STEEL BEAM
605	TON	ASPHALT BINDER FOR PLANT MIX,	3,839	LB	SUPPORTS, SIMPLE STEEL BEAM
224	CY	GRADE PG 70-22 SUBDRAIN EXCAVATION	939	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
168	CY	SUBDRAIN FINE AGGREGATE	2	EA	SUPPORTS, 2-LB STEEL U-CHANNEL
1,000	LF	6" PERFORATED SUBDRAIN PIPE	6	EA	SIGN ERECTION, TYPE D
30	EA	6" SUBDRAIN PIPE WYES, TEES, &	36	EA	SIGN ERECTION, TYPE E
50		ELBOWS	7	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE			(A)
		OUTLET			

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			2,150	TON	STONE FOR EROSION CONTROL, CLASS B
			1,700	TON	SEDIMENT CONTROL STONE
1	EA	SIGN ERECTION, TYPE ***	49	ACR	TEMPORARY MULCHING
1	LA	(GROUND MOUNTED)	1,750	LB	SEED FOR TEMPORARY SEEDING
2	E.4	(B)	7	TON	FERTILIZER FOR TEMPORARY SEED- ING
2 2	EA EA	SIGN ERECTION, MILEMARKERS DISPOSAL OF SUPPORT, STEEL	1,050	LF	TEMPORARY SLOPE DRAINS
2	LA	BEAM	13	EA	INLET PROTECTION AT TEMPORARY
4	EA	DISPOSAL OF SIGN SYSTEM, U-	2.250	LE	SLOPE DRAINS
352	SF	CHANNEL WORK ZONE SIGNS (STATIONARY)	2,350 18,630	LF CY	SAFETY FENCE SILT EXCAVATION
192	SF	WORK ZONE SIGNS (STATIONART) WORK ZONE SIGNS (PORTABLE)	17,375	SY	MATTING FOR EROSION CONTROL
40	SF	WORK ZONE SIGNS (BARRICADE	50	SY	COIR FIBER MAT
_		MOUNTED)	6,125	SY	PERMANENT SOIL REINFORCEMENT
2 2	EA EA	FLASHING ARROW PANELS, TYPE C CHANGEABLE MESSAGE SIGN	1,500	LF	MAT 1/4" HARDWARE CLOTH
88	EA	DRUMS	2,700	LF	COIR FIBER BAFFLES
48	LF	BARRICADES (TYPE III)	4	EA	**" SKIMMER
2	EA	TMIA	1	EA	(1-1/2") **" SKIMMER
7,200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	1	LA	(2")
7,600	LF	THERMOPLASTIC PAVEMENT MARKING	1	EA	**" SKIMMER
		LINES (6", 90 MILS)	1	EA	(2-1/2") **" SKIMMER
593	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1	Lit	(4")
2,900	LF	THERMOPLASTIC PAVEMENT MARKING	1	EA	**" SKIMMER
40	ЕА	LINES (8", 90 MILS)	62	ACR	(6") SEEDING & MULCHING
49	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	29		MOWING
6,400	LF	COLD APPLIED PLASTIC PAVEMENT	450	LB	SEED FOR REPAIR SEEDING
		MARKING LINES, TYPE ** (6") (IV)	1	TON	FERTILIZER FOR REPAIR SEEDING
167	EA	SNOWPLOWABLE PAVEMENT MARKERS	1,150 3,650	LB SY	SEED FOR SUPPLEMENTAL SEEDING SODDING
73	EA	FLEXIBLE DELINEATORS (CRYSTAL)	46.5	TON	FERTILIZER TOPDRESSING
48	EA EA	FLEXIBLE DELINEATORS (YELLOW) STANDARD FOUNDATION ********	2	HR	SPECIALIZED HAND MOWING
76	EA	(TYPE R1)	27	EA	RESPONSE FOR EROSION CONTROL REFORESTATION
803	LF	ELECTRICAL DUCT, TYPE BD, SIZE	7.05 28	EA	CERCIS CANADENSIS, REDBUD,
		***** (3")			(6'-8', B&B)
50	LF	ELECTRICAL DUCT, TYPE BD, SIZE	31	EA	CORNUS FLORIDA, FLOWERING DOG- WOOD,
		***** (4")			(6'-8', B&B)
196	LF	** #4 W/G FEEDER CIRCUIT	38	EA	JUNIPERUS VIRGINIANA, EASTERN
		(2)			RED CEDAR, (6'-8', B&B)
535	LF	** #2 W/G FEEDER CIRCUIT (2)	3	EA	QUERCUS COCCINEA, SCARLET OAK,
5,523	LF	** #8 W/G FEEDER CIRCUIT IN	8	EA	(10'-12', B&B) QUERCUS PHELLOS, WILLOW OAK,
		*****" CONDUIT (2, 1-1/2")	o .	L. I	(10'-12', B&B)
385	LF	** #6 W/G FEEDER CIRCUIT IN	2	EA	QUERCUS RUBRA, NORTHERN RED OAK.
		*****" CONDUIT (2, 1-1/2")			(10'-12', B&B)
8,166	LF	** #4 W/G FEEDER CIRCUIT IN	13	EA	GENERIC PLANTING ITEM
		*****" CONDUIT (2, 1-1/2")			ACER SACCHARUM 'LEGACY', LEGACY SUGAR MAPLE, 10'-12',
4,501	LF	** #2 W/G FEEDER CIRCUIT IN	50	г.	B&B
		*****" CONDUIT	50	EA	GENERIC PLANTING ITEM AMELANCHER 'AUTUMN BRILLIANCE'
14	EA	(2, 1-1/2") ELECTRICAL JUNCTION BOXES			AUTUMN BRILLIANCE SERVICEBERY,
1-7	Lit	*******	126	EA	6'-8',B&B GENERIC PLANTING ITEM
	ЕА	(TYPE PC18)	120	LA	CELPHALOTAXUS HARRINGTONIA
6	EA	ELECTRICAL JUNCTION BOXES ************************************			PROTRATA PROSTRATE JAPANESE YEW,
		(TYPE PG30)			#7 CONT
2	EA	ELECTRICAL JUNCTION BOXES  ***********************************	59	EA	GENERIC PLANTING ITEM
		(TYPE PG36)			ECHINACEA PURPUREA, PURPLE CONEFLOWER, 4" POT
48	LF	GENERIC LIGHTING ITEM 2-#2 W/ NEUTRAL FEEDER CIRCUIT	6,955	EA	GENERIC PLANTING ITEM
687	LF	GENERIC LIGHTING ITEM			ERAGROSTIS CURVULA ,LOVE GRASS 2-1/2" PLUG
		2-#2 W/ NEUTRAL FEEDER CIRCUIT	44	EA	GENERIC PLANTING ITEM
20	EA	IN 2" CONDUIT GENERIC LIGHTING ITEM			ILEX 'LIBERTY', LIBERTY HOLLY, 6', B&B
		BOLLARD LGT STD	76	EA	GENERIC PLANTING ITEM
2	EA	GENERIC LIGHTING ITEM DAVIT STYLE LGT STD, MH 25',			ILEX VOMITORIA 'NANA, DWARF YAUPON HOLLY , # 7 CONT
		SA 6'	59	EA	GENERIC PLANTING ITEM
74	EA	GENERIC LIGHTING ITEM DAVIT STYLE LGT STD, MH 35',			JUNCUS EFFUSUS, SOFT RUSH
		SA 6'	7	EA	# 1 CONT GENERIC PLANTING ITEM
2	EA	GENERIC LIGHTING ITEM			LAGERSTROEMIA 'NATCHEZ',
		LIGHT CONTROL EQUIPMENT, TYPE RA, 120/208V			NATCHEZ CRAPE MYRTLE, 10'- 12', B&B
56	EA	GENERIC LIGHTING ITEM	11	EA	GENERIC PLANTING ITEM
56	EA	POST TOP LGT STD GENERIC LIGHTING ITEM			MAGNOLIA GRANDIFLORA 'BRACKEN' S BROWN
30	LA	POST TOP LUMINAIRE, 100W, MH,			BEAUTY, SOUTHERN MAGNOLIA ,10'
20	EA	TYPE 5, CUTOFF GENERIC LIGHTING ITEM	157	EA	-12', B&B GENERIC PLANTING ITEM
20	ĿА	STD FOUNDATION, TYPE B1	137	LA	MUHLENBERGIA CAPILLARIS, PINK
56	EA	GENERIC LIGHTING ITEM	87	EA	MUHLY GRASS , # 1 CONT GENERIC PLANTING ITEM
2,280	LF	STD FOUNDATION, TYPE R1S TEMPORARY SILT FENCE	8/	ĽА	PINUS TAEDA, LOBLOLLY PINE,
580	TON	STONE FOR EROSION CONTROL,			8'-10', B&B
		CLASS A			

2	EA	GENERIC PLANTING ITEM QUERCUS FALCATA, SOUTHERN RED OAK,
11	EA	10'-12', B&B GENERIC PLANTING ITEM QUERCUS LYRATA, OVERCUP OAK,
15	EA	10'-12', B&B GENERIC PLANTING ITEM QUERCUS SHUMARDII, SHUMARD
67	EA	OAK, 10'-12', B&B GENERIC PLANTING ITEM RUDBECKIA FULGIDA 'GOLDSTRUM'
12	EA	ORANGE CONEFLOWER , 4" POT GENERIC PLANTING ITEM ULMUS AMERICANA 'PRINCETON'
1.600	CV	PRINCETON ELM , 10'-12', B&B
1,600 10	CY M/G	MULCH FOR PLANTING WATER FOR PLANTING
100	SY	POSTEMERGENT HERBICIDAL TREAT-
100	SY	MENT FOR PLANT BEDS PREEMERGENT HERBICIDAL TREAT- MENT FOR PLANT BEDS
Lump Sum	LS	GENERIC PLANTING ITEM (LS) LANDSCAPE GRADING
365	LF	GENERIC PLANTING ITEM STEEL LANDSCAPE EDGING
133	SY	6" CONCRETE REINFORCED PAD
90 191	CY LF	CONCRETE STEPS HANDRAIL ON STEPS
300	CY	TOPSOIL
8	EA	PICNIC TABLE, TERRAZZO & STEEL
11	EA	PICNIC SHELTER, SINGLE PICNIC TABLE
6	EA	OUTDOOR PARK STOVE
9 7	EA EA	3/4" POST TYPE YARD HYDRANT GENERIC REST AREA ITEM
,	LA	1" GATE VALVE AND BOX
11	EA EA	GENERIC REST AREA ITEM 3/4" GATE VALVE AND BOX GENERIC REST AREA ITEM
13	LA	BENCH WITH STONE BASE
20	EA	GENERIC REST AREA ITEM BOULDER PLACEMENT
4	EA	GENERIC REST AREA ITEM
4	EA	CONCRETE PATIO TABLE GENERIC REST AREA ITEM
1	EA	FLAGPOLE, ALUMINUM GENERIC REST AREA ITEM SPECIAL REST AREA SIGNAGE
1	EA	(NBL) GENERIC REST AREA ITEM SPECIAL REST AREA SIGNAGE
2	EA	(SBL) GENERIC REST AREA ITEM
2	EA	STONE ENTRANCE SIGN BASE GENERIC REST AREA ITEM
26	EA	STORAGE BUILDING CONSTRUCTION GENERIC REST AREA ITEM
Lump Sum	LS	WASTE CONTAINER GENERIC REST AREA ITEM CONSTRUCTION OF REST
Lump Sum	LS	AREA BUILDING (NLB) GENERIC REST AREA ITEM
		CONSTRUCTION OF REST AREA BUILDING (SBL)
Lump Sum	LS	GENERIC REST AREA ITEM CONSTRUCTION OF VENDING MACHINE BUILDING (NBL)
Lump Sum	LS	GENERIC REST AREA ITEM CONSTRUCTION OF VENDING MACHINE BUILDING (SBL)
Lump Sum	LS	GENERIC REST AREA ITEM CONSTRUCTION OF VISITOR CENTER BUILDING (NBL)
Lump Sum	LS	GENERIC REST AREA ITEM CONSTRUCTION OF VISITOR CENTER BUILDING (SBL)
Lump Sum	LS	GENERIC REST AREA ITEM IRRIGATION SYSTEM (NBL)
Lump Sum	LS	GENERIC REST AREA ITEM
Lump Sum	LS	IRRIGATION SYSTEM (SBL) GENERIC REST AREA ITEM LANDSCAPE LIGHTING (NBL)
Lump Sum	LS	GENERIC REST AREA ITEM
Lump Sum	LS	LANDSCAPE LIGHTING (SBL) GENERIC REST AREA ITEM PATIO HANDRAIL (NRL)
Lump Sum	LS	PATIO HANDRAIL (NBL) GENERIC REST AREA ITEM WATER EFATURE (NBL)
2,170	LF	WATER FEATURE (NBL) GENERIC REST AREA ITEM
534	LF	1" PVC WATER PIPE, SCH 80 GENERIC REST AREA ITEM
		3" PVC ENCASEMENT PIPE

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		rage.
135	LF	GENERIC REST AREA ITEM 3/4" PVC WATER PIPE, SCH 80
302	LF	GENERIC REST AREA ITEM STONE WALL
225	LF	GENERIC REST AREA ITEM TREE PROTECTION FENCE
4,153	SF	GENERIC REST AREA ITEM COBBLESTONE PAVERS
15	CY	GENERIC REST AREA ITEM PLACEMENT OF FIELD STONE
		******* BEGIN SCHEDULE AA *******  ******* (3 ALTERNATES) *******
4,240	LF	15" RC PIPE CULVERTS, CLASS III
1,724	LF	24" RC PIPE CULVERTS, CLASS III
816	LF	36" RC PIPE CULVERTS, CLASS III
		*** OR ***
3,640	LF	15" RC PIPE CULVERTS, CLASS III
1,172	LF	24" RC PIPE CULVERTS, CLASS III
600	LF	***" HDPE PIPE CULVERTS (15")
552	LF	***" HDPE PIPE CULVERTS (24")
816	LF	***" HDPE PIPE CULVERTS (36")
		*** OR ***
3,640	LF	15" RC PIPE CULVERTS, CLASS III
1,172	LF	24" RC PIPE CULVERTS, CLASS III
600	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****" THICK (15",0.064")
552	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****" THICK (24",0.064")
816	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****" THICK (36",0.064")
		*** END SCHEDULE AA ***

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L080219 015

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

CONTRACT ID: C201774 33622.3.2 DIV OFFICE WINSTON-SALEM LENGTH = 0.121 MI

COUNTY : STOKES

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MARKERS

475 LF TEMPORARY SILT FENCE

12 EA SNOWPLOWABLE PAVEMENT MARKERS

#### DBE GOAL 5.0% COMPLETION DATE: DEC 31 2008

#### BRIDGE OVER PINCH GUT CREEK AND APPROACHES ON NC-66.

		ROADWAY ITEMS	90	TON	STONE FOR EROSION CONTROL, CLASS A
	1.0	MODILIZATION	90	TON	STONE FOR EROSION CONTROL, CLASS B
Lump Sum	LS	MOBILIZATION	350	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	CONSTRUCTION SURVEYING	1	ACR	TEMPORARY MULCHING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION *********	50	LB	SEED FOR TEMPORARY SEEDING
		(18+20.37)	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
Lump Sum	LS	GRADING			ING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	200	LF	TEMPORARY SLOPE DRAINS
		BING	4	EA	INLET PROTECTION AT TEMPORARY
350	CY	UNDERCUT EXCAVATION	255		SLOPE DRAINS
21	CY	DRAINAGE DITCH EXCAVATION	275	LF	SAFETY FENCE
100	LF	BERM DITCH CONSTRUCTION	450	CY	SILT EXCAVATION
500	CY	SELECT GRANULAR MATERIAL	375	SY	MATTING FOR EROSION CONTROL
500	SY	FABRIC FOR SOIL STABILIZATION	25	SY	COIR FIBER MAT
29	TON	FOUNDATION CONDITIONING MATE-	150	LF	1/4" HARDWARE CLOTH
		RIAL, MINOR STRS	12	EA	SPECIAL STILLING BASINS
68	LF	15" SIDE DRAIN PIPE	130	LF	COIR FIBER BAFFLES
200	LF	15" BIT COAT CS PIPE CULVERTS,	4	EA	**" SKIMMER (1-1/2")
		TYPE B 0.064" THICK	1	ACR	SEEDING & MULCHING
10	EA	15" BIT COAT CS PIPE ELBOWS,	0.5	ACR	MOWING
20	TON	TYPE B 0.064" THICK	50	LB	SEED FOR REPAIR SEEDING
30	TON	INCIDENTAL STONE BASE			
240	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	0.25	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
155	TON	ASPHALT CONC INTERMEDIATE	50	TON	
155	1011	COURSE, TYPE I19.0B	0.5	HR	FERTILIZER TOPDRESSING SPECIALIZED HAND MOWING
225	TON	ASPHALT CONC SURFACE COURSE,	2 12	EA	
		TYPE SF9.5A			RESPONSE FOR EROSION CONTROL
33	TON	ASPHALT BINDER FOR PLANT MIX,	0.1	ACR	REFORESTATION
		GRADE PG 64-22			
8	EA	RIGHT OF WAY MARKERS			
5	EA	MASONRY DRAINAGE STRUCTURES			STRUCTURE ITEMS
1	EA	FRAME WITH TWO GRATES, STD			
		840.24			
4	EA	FRAME WITH TWO GRATES, STD	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
105		840.29	*		REMOVAL OF TEMP ACCESS AT STA
105	LF	SHOULDER BERM GUTTER			*******
375	LF	STEEL BM GUARDRAIL			(18+20.37-L-)
5	EA	ADDITIONAL GUARDRAIL POSTS	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			(18+20.37-L-)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	162.25	LF	4'-0" DIA DRILLED PIERS IN SO
7	Lit	B-77			IL
160	TON	RIP RAP, CLASS B	37	LF	4'-0" DIA DRILLED PIERS NOT IN
1,210	SY	FILTER FABRIC FOR DRAINAGE			SOIL
2	EA	PREFORMED SCOUR HOLES WITH	44.87	LF	PERMANENT STEEL CASING FOR
		LEVEL SPREADER APRON			4'-0" DIA DRILLED PIER
9	SF	CONTRACTOR FURNISHED, TYPE ***	6	EA	SID INSPECTION
		SIGN	6	EA	SPT TESTING
		(D)	2	EA	CROSSHOLE SONIC LOGGING
12.5	SF	CONTRACTOR FURNISHED, TYPE ***	1,760	CY	UNCLASSIFIED STRUCTURE EXCAVA-
		SIGN (E)	112.0	CV.	TION
62	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	112.8	CY	CLASS A CONCRETE (BRIDGE)
1	EA	SIGN ERECTION, TYPE D	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
2	EA	SIGN ERECTION, TYPE E			(18+20.37-L-)
7	EA	DISPOSAL OF SIGN SYSTEM, U-	35,328	LB	REINFORCING STEEL (BRIDGE)
,		CHANNEL	6,573	LB	SPIRAL COLUMN REINFORCING
375	SF	WORK ZONE SIGNS (STATIONARY)			STEEL (BRIDGE)
151	SF	WORK ZONE SIGNS (BARRICADE	603	LF	HP12X53 STEEL PILES
		MOUNTED)	324.21	LF	CONCRETE BARRIER RAIL
64	LF	BARRICADES (TYPE III)	950	TON	RIP RAP CLASS II (2'-0" THICK)
16	EA	TEMPORARY RAISED PAVEMENT	1,060	SY	FILTER FABRIC FOR DRAINAGE
		MARKERS	Lump Sum	LS	ELASTOMERIC BEARINGS
1,000	LF	THERMOPLASTIC PAVEMENT MARKING	1,945.25	LF	3'-0" X 3'-3" PRESTRESSED CONC
		LINES (4", 90 MILS)			BOX BEAMS
1,000	LF	THERMOPLASTIC PAVEMENT MARKING			
660	LF	LINES (4", 120 MILS) COLD APPLIED PLASTIC PAVEMENT			
660	Lľ	MARKING LINES, TYPE ** (4")			
		(III)			
200	LF	REMOVAL OF PAVEMENT MARKING			
		LINES (4")			
5	EA	PERMANENT RAISED PAVEMENT MARKERS			

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L080219 016

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

CONTRACT ID: C201684 34906.3.4 DIV OFFICE WINSTON-SALEM LENGTH = 2.240 KM

COUNTY : FORSYTH

WIDENING, GRADING, DRAINAGE & PAVING.

#### DBE GOAL 13.0% COMPLETION DATE: JUN 15 2009

### SR-1103 (LEWISVILLE-CLEMMONS RD) FROM SR-1891(PEACE HAVEN RD) TO SR-3580 (FOREST OAKS DR) IN WINSTON-SALEM.

		ROADWAY ITEMS	19	EA	WHEELCHAIR RAMPS
			460 1,370	M2 M2	150MM CONCRETE DRIVEWAY 125MM MONOLITHIC CONCRETE IS-
Lump Sum	LS	MOBILIZATION CDA DDIG	50	EA	LANDS (KEYED IN) ADJUSTMENT OF METER BOXES OR
Lump Sum 0.8	LS HA	GRADING SUPPLEMENTARY CLEARING & GRUB-	40	MTNI	VALVE BOXES
2 000	1.62	BING	40 910	M1N M2	PLAIN RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE
2,000 550	M3 MTN	UNDERCUT EXCAVATION CLASS IV SUBGRADE STABILIZA-	22	M2	CONTRACTOR FURNISHED, TYPE ***
		TION			SIGN (E)
1,000 1,500	M3 M2	SELECT GRANULAR MATERIAL FABRIC FOR SOIL STABILIZATION	208	M	SUPPORTS, 4.5KG STEEL
885	MTN	FOUNDATION CONDITIONING MATE-	44	EA	U-CHANNEL SIGN ERECTION, TYPE E
12	M	RIAL, MINOR STRS 375MM SIDE DRAIN PIPE	1	EA	RELOCATE SIGN, TYPE *****
55	M	400MM BIT COAT CS PIPE CUL-	20	EA	(E) DISPOSAL OF SIGN SYSTEM, U-
22	M	VERTS, TYPE B 1.63MM THICK 450MM BIT COAT CS PIPE CUL-			CHANNEL
22	IVI	VERTS, TYPE B 1.63MM THICK	1 22	EA M2	DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY)
4.9	M	600MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK	21	M2	WORK ZONE SIGNS (PORTABLE)
14.6	M	900MM BIT COAT CS PIPE CUL-	13	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
12	EA	VERTS, TYPE B 2.01MM THICK	2	EA	FLASHING ARROW PANELS, TYPE C
12	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	2	EA	CHANGEABLE MESSAGE SIGN
1	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	190 100	EA EA	DRUMS CONES
22	M	GENERIC PIPE ITEM	56	M	BARRICADES (TYPE III)
		600MM WELDED STEEL PIPE IN SOIL	2,400	HR	FLAGGER
780.3	M	PIPE REMOVAL	2 2	EA EA	TEMPORARY CRASH CUSHIONS RESET TEMPORARY CRASH CUSHIONS
,	MTN	STABILIZER AGGREGATE	2	EA	TRUCK MOUNTED IMPACT ATTENUA-
625 595	MTN M2	INCIDENTAL STONE BASE MILLING ASPHALT PAVEMENT, ***	240	M	TOR (60 MPH) PORTABLE CONCRETE BARRIER
0,0	2	TO ***MM DEPTH	240	141	(ANCHORED)
8.660	MTN	(0MM TO 40MM) ASPHALT CONC BASE COURSE, TYPE	195	M	RESET PORTABLE CONCRETE BAR- RIER (ANCHORED)
		B25.0C	200	HR	POLICE
5,490	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C	68	EA	TEMPORARY RAISED PAVEMENT MARKERS
6,810	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	750	M	THERMOPLASTIC PAVEMENT MARKING
615	MTN	ASPHALT BINDER FOR PLANT MIX,	2,331	M	LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING
205	A CTA I	GRADE PG 64-22	2,331	141	LINES (100MM, 3.1MM)
395	MIN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	53	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
350	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR	74	EA	THERMOPLASTIC PAVEMENT MARKING
65	EA	RIGHT OF WAY MARKERS	23,594	M	SYMBOL (2.3MM) PAINT PAVEMENT MARKING LINES
83	M3	SUBDRAIN EXCAVATION	20,07.		(100MM)
62 150	M3 M	SUBDRAIN FINE AGGREGATE 150MM PERFORATED SUBDRAIN PIPE	460	M	PAINT PAVEMENT MARKING LINES (200MM)
15	EA	150MM SUBDRAIN PIPE WYES,	106	M	PAINT PAVEMENT MARKING LINES
1	EA	TEES, & ELBOWS CONCRETE PAD FOR SUBDRAIN PIPE	148	EA	(600MM) PAINT PAVEMENT MARKING SYMBOL
	LA	OUTLET	229	EA	SNOWPLOWABLE PAVEMENT MARKERS
0.66	M M3	150MM OUTLET PIPE (SUBDRAINS) PIPE PLUGS	1	EA	GENERIC UTILITY ITEM 150MM VALVE
144	EA	MASONRY DRAINAGE STRUCTURES	1	EA	GENERIC UTILITY ITEM
29.02	M	MASONRY DRAINAGE STRUCTURES	1	EA	200MM VALVE GENERIC UTILITY ITEM
2 41	EA EA	FRAME WITH GRATE, STD 840.22 FRAME WITH TWO GRATES, STD	I	EA	600MM VALVE
41	EA	840.16	9	EA	GENERIC UTILITY ITEM FIRE HYDRANT
1	EA	FRAME WITH TWO GRATES, STD 840.24	7	EA	GENERIC UTILITY ITEM
14	EA	FRAME WITH GRATE & HOOD, STD	27	EA	RELOCATE FIRE HYDRANT GENERIC UTILITY ITEM
		840.03, TYPE ** (E)	21	EA	RELOCATE WATER METER
42	EA	FRAME WITH GRATE & HOOD, STD	28	M	GENERIC UTILITY ITEM 150MM WATER LINE
		840.03, TYPE ** (F)	612	M	GENERIC UTILITY ITEM
40	EA	FRAME WITH GRATE & HOOD, STD	155		200MM WATER LINE
		840.03, TYPE ** (G)	155	M	GENERIC UTILITY ITEM 600MM WATER LINE
3	EA	FRAME WITH COVER, STD 840.54	155	M	GENERIC UTILITY ITEM ABANDON 600MM UTILITY PIPE
8	M	FRAME WITH GRATES, DRIVEWAY DROP INLET	1,910	M	TEMPORARY SILT FENCE
1,970	M	450MM CONCRETE CURB & GUTTER	565	MTN	STONE FOR EROSION CONTROL,
3,950	M M2	750MM CONCRETE CURB & GUTTER 100MM CONCRETE SIDEWALK			CLASS A
3,200	ıvı∠	TOOMINI CONCRETE SIDEWALK			

775	MTN	STONE FOR EROSION CONTROL, CLASS B
1,275	MTN	SEDIMENT CONTROL STONE
4.5	HA	TEMPORARY MULCHING
175	KG	SEED FOR TEMPORARY SEEDING
1.5	MTN	FERTILIZER FOR TEMPORARY SEED-
		ING
1,400	M3	SILT EXCAVATION
170	M2	MATTING FOR EROSION CONTROL
1,000	M	6.4MM HARDWARE CLOTH
4.5	HA	SEEDING & MULCHING
2.5	HA	MOWING
50	KG	SEED FOR REPAIR SEEDING
0.25	MTN	FERTILIZER FOR REPAIR SEEDING
125	KG	SEED FOR SUPPLEMENTAL SEEDING
7	MTN	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
27	EA	GENERIC EROSION CONTROL ITEM
25		RESPONSE FOR EROSION CONTROL
25	M	GENERIC EROSION CONTROL ITEM COIR FIBER BAFFLES
		COIR FIDER BAFFLES
		****** BEGIN SCHEDULE AA ******
		****** (3 ALTERNATES) ******
2,064.2	M	375MM RC PIPE CULVERTS, CLASS
200.7		III
289.7	M	450MM RC PIPE CULVERTS, CLASS
423.4	M	III  COMMA DO DIDE CHI VEDTE CLASS
423.4	IVI	600MM RC PIPE CULVERTS, CLASS III
40.2	M	750MM RC PIPE CULVERTS, CLASS
		III
		*** OR ***
1,842.2	M	375MM RC PIPE CULVERTS, CLASS
,-		III
254.3	M	450MM RC PIPE CULVERTS, CLASS
		III
403.9	M	600MM RC PIPE CULVERTS, CLASS
		III
21.9	M	750MM RC PIPE CULVERTS, CLASS III
222	M	
222	M	GENERIC PIPE ITEM 375MM HDPE PIPE CULVERTS
35.4	M	GENERIC PIPE ITEM
55		450MM HDPE PIPE CULVERTS
19.5	M	GENERIC PIPE ITEM
		600MM HDPE PIPE CULVERTS
18.3	M	GENERIC PIPE ITEM
		750MM HDPE PIPE CULVERTS
		*** OR ***
1,842.2	M	375MM RC PIPE CULVERTS, CLASS
		III
254.3	M	450MM RC PIPE CULVERTS, CLASS
402.0		III
403.9	M	600MM RC PIPE CULVERTS, CLASS
21.9	M	750MM RC PIPE CULVERTS, CLASS
21.7	IVI	III
222	M	GENERIC PIPE ITEM
	•	400MM ALUM CS PIPE CULVERT
35.4	M	GENERIC PIPE ITEM
		450MM ALUM CS PIPE CULVERT
19.5	M	GENERIC PIPE ITEM
10.3		600MM ALUM CS PIPE CULVERT
18.3	M	GENERIC PIPE ITEM 800MM ALUM CS PIPE CULVERT
		COLLETTE OF THE COLVERT
		*** END COLEDINE AA ***
		*** END SCHEDULE AA ***

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

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L080219 017

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C202003 10CR.10041.16 DIV OFFICE ALBEMARLE LENGTH = 6.520 MI

COUNTY : ANSON

RESURFACING.

DBE GOAL 2.0% COMPLETION DATE: NOV 15 2008

NC-109 FROM SR-1142 (CITY POND RD) TO SR-1211 (HORTON RD) AND 3 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
616	TON	INCIDENTAL STONE BASE
746	SY	INCIDENTAL MILLING
3,585	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
923	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
3,265	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
910	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
270	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
251	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
9,714	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,215	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
113,672	LF	PAINT PAVEMENT MARKING LINES (4")
432	EA	PERMANENT RAISED PAVEMENT MARKERS

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L080219 018

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C202004 10CR.10901.15 DIV OFFICE ALBEMARLE LENGTH = 9.360 MI

**COUNTY** : UNION

RESURFACING, SHOULDER CONSTRUCTION & RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE: NOV 15 2008

US-601 FROM SR-1367 TO NC-218, NC-522 FROM SR-2166 TO THE SOUTH CAROLINA STATE LINE & 2 SECTIONS OF SECONDARY ROADS.

## ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	
406	TON	STABILIZER AGGREGATE	
360	TON	INCIDENTAL STONE BASE	
7	SMI	SHOULDER CONSTRUCTION	
11.82	SMI	SHOULDER RECONSTRUCTION	
2,304	SY	INCIDENTAL MILLING	
2,443	TON	ASPHALT CONC BASE COURSE, TYPE	
		B25.0C	
16,923	TON	ASPHALT CONC INTERMEDIATE	
		COURSE, TYPE 119.0C	
12,674	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
680	TON	ASPHALT CONC SURFACE COURSE,	
		TYPE S9.5C (LEVELING COURSE)	
900	TON	ASPHALT BINDER FOR PLANT MIX,	
		GRADE PG 64-22	
804	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
2,175	TON	PATCHING EXISTING PAVEMENT	
270	SY	6" CONCRETE DRIVEWAY	
25	SY	5" MONOLITHIC CONCRETE ISLANDS	
		(KEYED IN)	
3	EA	ADJUSTMENT OF MANHOLES	
3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	
98,516	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	
74,582	LF	THERMOPLASTIC PAVEMENT MARKING	
74,502	Li	LINES (4", 120 MILS)	
335	LF	THERMOPLASTIC PAVEMENT MARKING	
		LINES (8", 120 MILS)	
292	LF	THERMOPLASTIC PAVEMENT MARKING	
		LINES (24", 120 MILS)	
12	EA	THERMOPLASTIC PAVEMENT MARKING	
12	EA	CHARACTER (120 MILS) THERMOPLASTIC PAVEMENT MARKING	
12	EA	SYMBOL (90 MILS)	
91,108	LF	PAINT PAVEMENT MARKING LINES	
		(4")	
670	EA	PERMANENT RAISED PAVEMENT MARKERS	
1,899	LF	TEMPORARY SILT FENCE	
220	TON	STONE FOR EROSION CONTROL,	
		CLASS B	
110	TON	SEDIMENT CONTROL STONE	
13.3	ACR	SEEDING & MULCHING	

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L080219 019

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

CONTRACT ID: C201765 33159.3.1 DIV OFFICE NORTH WILKESBORO LENGTH = 0.069 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING & STRUCTURE.

135 TON STONE FOR EROSION CONTROL, CLASS B
 135 TON SEDIMENT CONTROL STONE
 1 ACR TEMPORARY MULCHING

## DBE GOAL 3.0% COMPLETION DATE: DEC 31 2008

## BRIDGE OVER BIG HORSE CREEK & APPROACHES ON SR-1366.

		ROADWAY ITEMS	50 0.25	LB TON	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED- ING
			40	LF	TEMPORARY SLOPE DRAINS
Lump Sum	LS	MOBILIZATION	1	EA	INLET PROTECTION AT TEMPORARY
Lump Sum	LS	CONSTRUCTION SURVEYING	•	Lit	SLOPE DRAINS
1	EA	SEALING ABANDONED WELLS	410	LF	SAFETY FENCE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	225	CY	SILT EXCAVATION
		FILL, STATION ************************************	500	SY	MATTING FOR EROSION CONTROL
		(11+65.00)	10	SY	COIR FIBER MAT
Lump Sum	LS	GRADING	20	LF	1/4" HARDWARE CLOTH
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	4	EA	SPECIAL STILLING BASINS
200	CM	BING UNDERCUT EXCAVATION	25	LF	COIR FIBER BAFFLES
200	CY		1	EA	**" SKIMMER
350	TON	CLASS IV SUBGRADE STABILIZA- TION	1	LA	(1-1/2")
300	CY	SELECT GRANULAR MATERIAL	1	ACR	SEEDING & MULCHING
300	SY	FABRIC FOR SOIL STABILIZATION	0.5	ACR	MOWING
			50	LB	SEED FOR REPAIR SEEDING
12	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS		TON	
26	IE		0.25		FERTILIZER FOR REPAIR SEEDING
36	LF	18" RC PIPE CULVERTS, CLASS III	50	LB	SEED FOR SUPPLEMENTAL SEEDING
16	LF	18" BIT COAT CS PIPE CULVERTS,	0.75	TON	FERTILIZER TOPDRESSING
10	Li	TYPE B 0.064" THICK	2	HR	SPECIALIZED HAND MOWING
48	LF	30" BIT COAT CS PIPE CULVERTS,	12	EA	RESPONSE FOR EROSION CONTROL
40	LI	TYPE B 0.079" THICK	0.15	ACR	REFORESTATION
2	EA	18" BIT COAT CS PIPE ELBOWS, T			
-		YPE B 0.064" THICK			
1	EA	30" BIT COAT CS PIPE ELBOWS, T			CEDITORIDE LEEMS
		YPE B 0.079" THICK			STRUCTURE ITEMS
48	LF	PIPE REMOVAL			
180	TON	AGGREGATE BASE COURSE			
100	TON	INCIDENTAL STONE BASE	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
185	GAL	PRIME COAT			REMOVAL OF TEMP ACCESS AT STA
80	TON	ASPHALT CONC INTERMEDIATE			(11+65.00-L-)
00	10.1	COURSE, TYPE I19.0B	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
120	TON	ASPHALT CONC SURFACE COURSE,	Lump Sum	LO	AT STATION ********
		TYPE SF9.5A			(11+65.00-L-)
12	TON	ASPHALT BINDER FOR PLANT MIX,	15	LF	3'-6" DIA DRILLED PIERS IN
		GRADE PG 64-22			SOIL
5	EA	RIGHT OF WAY MARKERS	13	LF	3'-6" DIA DRILLED PIERS NOT IN
45	CY	SUBDRAIN EXCAVATION			SOIL
34	CY	SUBDRAIN FINE AGGREGATE	14	LF	PERMANENT STEEL CASING FOR
200	LF	6" PERFORATED SUBDRAIN PIPE			3'-6" DIA DRILLED PIER
6	EA	6" SUBDRAIN PIPE WYES, TEES, &	1	EA	SID INSPECTION
		ELBOWS	1	EA	SPT TESTING
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	1	EA	CROSSHOLE SONIC LOGGING
		OUTLET	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA
6	LF	6" OUTLET PIPE (SUBDRAINS)			TION AT STATION *******
1	EA	MASONRY DRAINAGE STRUCTURES	56	CN/	(11+65.00-L-)
1	EA	FRAME WITH TWO GRATES, STD	56	CY	CLASS A CONCRETE (BRIDGE)
		840.29	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
27	LF	SHOULDER BERM GUTTER			(11+65.00-L-)
25	LF	STEEL BM GUARDRAIL	10,384	LB	REINFORCING STEEL (BRIDGE)
5	EA	ADDITIONAL GUARDRAIL POSTS	823	LB	SPIRAL COLUMN REINFORCING
3	EA	GUARDRAIL ANCHOR UNITS, TYPE	623	LD	STEEL (BRIDGE)
		**************************************	225	LF	HP12X53 STEEL PILES
		(TL-2)	515	SF	**" STEEL SHEET PILES
1	EA	GUARDRAIL ANCHOR UNITS, TYPE	515		(18")
1	EA	GUARDRAIL ANCHOR UNITS, TYPE	238.65	LF	ONE BAR METAL RAIL
1	EA	350	254.8	LF	1'-**"X *****" CONCRETE PARA-
25	TON	RIP RAP, CLASS II			PET
13	TON	RIP RAP, CLASS B			(1'-0"X1'-11")
430	SY		253	TON	RIP RAP CLASS II (2'-0" THICK)
	SF	FILTER FABRIC FOR DRAINAGE WORK ZONE SIGNS (STATIONARY)	281	SY	FILTER FABRIC FOR DRAINAGE
223		WORK ZONE SIGNS (STATIONARY)	Lump Sum	LS	ELASTOMERIC BEARINGS
69	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	1,145.34	LF	3'-0" X 2'-3" PRESTRESSED CONC
96	LF	BARRICADES (TYPE III)			BOX BEAMS
	LF LF				
3,000	Lľ	PAINT PAVEMENT MARKING LINES (4")			
32	LF	PAINT PAVEMENT MARKING LINES			
32	1.1	(24")			
440	LF	TEMPORARY SILT FENCE			
		STONE FOR EROSION CONTROL,			
, 5		CLASS A			
125	TON	STONE FOR FROSION CONTROL			

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L080219 020

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

CONTRACT ID: C201766 33379.2.2 DIV OFFICE NORTH WILKESBORO LENGTH = 0.103 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING, RETAINING WALL, & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE: DEC 31 2008

## BRIDGE OVER MILL CREEK AND APPROACHES ON SR-1106 (RAILROAD GRADE ROAD).

		ROADWAY ITEMS	30	SY	COIR FIBER MAT
			255	LF	1/4" HARDWARE CLOTH
I C	1.0	MODIL 17 A TION	45	LF EA	COIR FIBER BAFFLES  **" SKIMMER
Lump Sum Lump Sum	LS LS	MOBILIZATION CONSTRUCTION SURVEYING	,		(1-1/2")
1,700	CY	UNCLASSIFIED EXCAVATION	2	ACR	SEEDING & MULCHING
Lump Sum	LS	REINFORCED BRIDGE APPROACH	1	ACR	MOWING
		FILL, STATION ************************************	50 0.25	LB TON	SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	50	LB	SEED FOR SUPPLEMENTAL SEEDING
		BING	1.25	TON	FERTILIZER TOPDRESSING
500	CY	UNDERCUT EXCAVATION	2	HR	SPECIALIZED HAND MOWING
Lump Sum 600	LS TON	GRADING CLASS IV SUBGRADE STABILIZA-	12 0.1	EA ACR	RESPONSE FOR EROSION CONTROL REFORESTATION
-		TION	0.1	nen	KEI OKESIATION
500	CY	SELECT GRANULAR MATERIAL			
500 16	SY TON	FABRIC FOR SOIL STABILIZATION FOUNDATION CONDITIONING MATE-			WALL ITEMS
10	TON	RIAL, MINOR STRS			WILLIEMS
24	LF	15" SIDE DRAIN PIPE			
120	LF	15" RC PIPE CULVERTS, CLASS	1,154.32	SF	PILE PANEL RETAINING WALLS
45	TON	INCIDENTAL STONE BASE			
60	TON	ASPHALT CONC BASE COURSE, TYPE			
105	TON	B25.0B			STRUCTURE ITEMS
105	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
10	TON	ASPHALT BINDER FOR PLANT MIX,	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
10	TON	GRADE PG 64-22	-		AT STATION ************************************
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	40	LF	(17+52.50-L-) PILE EXCAVATION IN SOIL
12	EA	RIGHT OF WAY MARKERS	100	LF	PILE EXCAVATION NOT IN SOIL
68	CY	SUBDRAIN EXCAVATION	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-
51	CY	SUBDRAIN FINE AGGREGATE 6" PERFORATED SUBDRAIN PIPE			TION AT STATION ************************************
300 9	LF EA	6" SUBDRAIN PIPE WYES, TEES, &	2,678	SF	REINFORCED CONCRETE DECK SLAB
		ELBOWS	2,637	SF	GROOVING BRIDGE FLOORS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	32.7	CY	CLASS A CONCRETE (BRIDGE)
6	LF	6" OUTLET PIPE (SUBDRAINS)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
3	EA	MASONRY DRAINAGE STRUCTURES			(17+52.50-L-)
1	EA	FRAME WITH GRATE, STD 840.24	4,660	LB	REINFORCING STEEL (BRIDGE)
2	EA	FRAME WITH TWO GRATES, STD 840.29	80,200	LS	APPROX LBS STRUCTURAL STEEL
184	LF	SHOULDER BERM GUTTER	140	LF	HP12X53 STEEL PILES
300	LF	STEEL BM GUARDRAIL	196.67	LF	CONCRETE BARRIER RAIL
5	EA	ADDITIONAL GUARDRAIL POSTS	90 100	TON SY	RIP RAP CLASS II (2'-0" THICK) FILTER FABRIC FOR DRAINAGE
1	EA	GUARDRAIL ANCHOR UNITS, TYPE *************	Lump Sum	LS	EVAZOTE JOINT SEALS
		(TEST LEVEL 2)			
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE			
		B-77			
9	TON	RIP RAP, CLASS I RIP RAP, CLASS B			
250	SY	FILTER FABRIC FOR DRAINAGE			
242	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE			
96	LF	MOUNTED) BARRICADES (TYPE III)			
4,400	LF	PAINT PAVEMENT MARKING LINES			
2.00		(4")			
260 75	LF TON	TEMPORARY SILT FENCE STONE FOR EROSION CONTROL,			
13	TON	CLASS A			
135	TON	STONE FOR EROSION CONTROL,			
110	TON	CLASS B SEDIMENT CONTROL STONE			
	ACR	TEMPORARY MULCHING			
50	LB	SEED FOR TEMPORARY SEEDING			
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING			
40	LF	TEMPORARY SLOPE DRAINS			
1	EA	INLET PROTECTION AT TEMPORARY			
200	LE	SLOPE DRAINS			
280 265	LF CY	SAFETY FENCE SILT EXCAVATION			
500	SY	MATTING FOR EROSION CONTROL			

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L080219 021

# FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201775 33654.3.1 DIV OFFICE NORTH WILKESBORO LENGTH = 0.104 MI

**COUNTY** : WATAUGA

GRADING, DRAINAGE, PAVING, & STRUCTURE.

## DBE GOAL 5.0% COMPLETION DATE: DEC 31 2008

## BRIDGE OVER MIDDLE FORK CREEK AND APPROACHES ON SR-1541.

		ROADWAY ITEMS	80 4,840	LF LF	BARRICADES (TYPE III) PAINT PAVEMENT MARKING LINES
			500	LF	(4") TEMPORARY SILT FENCE
Lump Sum	LS	MOBILIZATION	150	TON	STONE FOR EROSION CONTROL,
Lump Sum	LS ACR	GRADING SUPPLEMENTARY CLEARING & GRUB-			CLASS A
1	ACK	BING	120	TON	STONE FOR EROSION CONTROL, CLASS B
50	CY	UNDERCUT EXCAVATION	75	TON	SEDIMENT CONTROL STONE
25	TON	CLASS IV SUBGRADE STABILIZA- TION	0.5	ACR	TEMPORARY MULCHING
25	CY	SELECT GRANULAR MATERIAL	50	LB	SEED FOR TEMPORARY SEEDING
25	SY	FABRIC FOR SOIL STABILIZATION	0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
30	TON	FOUNDATION CONDITIONING MATE-	45	LF	TEMPORARY SLOPE DRAINS
56	LF	RIAL, MINOR STRS 15" RC PIPE CULVERTS, CLASS	1	EA	INLET PROTECTION AT TEMPORARY
50		III	145	LE	SLOPE DRAINS
8	LF	18" RC PIPE CULVERTS, CLASS	290	LF CY	SAFETY FENCE SILT EXCAVATION
212	LF	III 24" RC PIPE CULVERTS, CLASS	360	SY	MATTING FOR EROSION CONTROL
2.2		III	25	SY	COIR FIBER MAT
57	LF	PIPE REMOVAL	55	SY	PERMANENT SOIL REINFORCEMENT MAT
131 100	TON TON	AGGREGATE BASE COURSE	60	LF	1/4" HARDWARE CLOTH
30	GAL	INCIDENTAL STONE BASE PRIME COAT	25	LF	COIR FIBER BAFFLES
225	TON	ASPHALT CONC BASE COURSE, TYPE	2	EA	**" SKIMMER
	me	B25.0B	0.5	ACR	(1-1/2") SEEDING & MULCHING
230	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	0.5	ACR	MOWING
25	TON	ASPHALT BINDER FOR PLANT MIX,	50	LB	SEED FOR REPAIR SEEDING
		GRADE PG 64-22	0.25	TON	FERTILIZER FOR REPAIR SEEDING
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	50	LB	SEED FOR SUPPLEMENTAL SEEDING
17	EA	RIGHT OF WAY MARKERS	0.5	TON HR	FERTILIZER TOPDRESSING SPECIALIZED HAND MOWING
44.8	CY	SUBDRAIN EXCAVATION	12	EA	RESPONSE FOR EROSION CONTROL
33.6	CY	SUBDRAIN FINE AGGREGATE	0.1		REFORESTATION
200	LF EA	6" PERFORATED SUBDRAIN PIPE			
6	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS			
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE			WALL ITEMS
	LE	OUTLET			
6 4	LF EA	6" OUTLET PIPE (SUBDRAINS) MASONRY DRAINAGE STRUCTURES	77	CV	CLASS A CONCRETE (BETAINING
0.1	LF	MASONRY DRAINAGE STRUCTURES	77	CY	CLASS A CONCRETE (RETAINING WALL)
1	EA	FRAME WITH TWO GRATES, STD	10,386	LB	REINFORCING STEEL (RETAINING
2	EA	840.24 FRAME WITH TWO GRATES, STD	75	LF	WALL) GENERIC RETAINING WALL ITEM
2	LA	840.29	/3	LI	PVC COATED 5'-0" HIGH CHAIN
1	EA	FRAME WITH COVER, STD 840.54			LINK FENCE
1	EA	MODIFIED CONCRETE FLUME			
100 10	LF SY	CONCRETE EXPRESSWAY GUTTER 4" CONCRETE PAVED DITCH			
75	LF	PRECAST REINFORCED CONCRETE			STRUCTURE ITEMS
		BARRIER, SINGLE FACED			
75	LF	STEEL BM GUARDRAIL, SHOP CURVED	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
5	EA	ADDITIONAL GUARDRAIL POSTS	1		AT STATION ********
1	EA	GUARDRAIL ANCHOR UNITS, TYPE	15	LF	(15+11.00-L-) PILE EXCAVATION IN SOIL
		**************************************	9	LF	PILE EXCAVATION NOT IN SOIL
5	EA	GUARDRAIL ANCHOR UNITS, TYPE	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-
		AT-1			TION AT STATION ******** (15+11.00-L-)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	2,121	SF	REINFORCED CONCRETE DECK SLAB
9	TON	RIP RAP, CLASS I	2,298	SF	GROOVING BRIDGE FLOORS
	TON	RIP RAP, CLASS B	73.1	CY	CLASS A CONCRETE (BRIDGE)
322	SY	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
6.25	SF	CONTRACTOR FURNISHED, TYPE *** SIGN			(15+11.00-L-)
		(E)	8,634	LB	REINFORCING STEEL (BRIDGE)
14	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	304	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
1 7	EA EA	SIGN ERECTION, TYPE E	59,400	LS	APPROX LBS STRUCTURAL
/	EΑ	DISPOSAL OF SIGN SYSTEM, U- CHANNEL			STEEL
2	EA	DISPOSAL OF SIGN SYSTEM, WOOD	210	LF	HP12X53 STEEL PILES  **" STEEL SHEET BILES
274	SF	WORK ZONE SIGNS (STATIONARY)	1,160	SF	**" STEEL SHEET PILES (22.6")
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	135.78	LF	CONCRETE BARRIER RAIL
10	EA	DRUMS	104	TON	RIP RAP CLASS II (2'-0" THICK)
10	EA	CONES	116	SY	FILTER FABRIC FOR DRAINAGE

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Lump SumLSELASTOMERIC BEARINGSLump SumLSEVAZOTE JOINT SEALS

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L080219 022

# FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201729 33237.3.1 DIV OFFICE ASHEVILE LENGTH = 0.223 MI

COUNTY : RUTHERFORD

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

## DBE GOAL 6.0% COMPLETION DATE: DEC 31 2009

## BRIDGE OVER BROAD RIVER AND APPROACHED ON SR-1155.

		ROADWAY ITEMS	385	TON	STONE FOR EROSION CONTROL, CLASS B
			275	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	MOBILIZATION	1.5	ACR	TEMPORARY MULCHING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	50 0.25	LB TON	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
		(16+92.50 -L-)	45	LF	ING TEMPORARY SLOPE DRAINS
Lump Sum 1	LS ACR	GRADING SUPPLEMENTARY CLEARING & GRUB-	1	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,400	CY	BING UNDERCUT EXCAVATION	250	LF	SAFETY FENCE
325	TON	CLASS IV SUBGRADE STABILIZA-	1,460	CY	SILT EXCAVATION
		TION	1,500	SY	MATTING FOR EROSION CONTROL
76	CY	DRAINAGE DITCH EXCAVATION	385	SY	PERMANENT SOIL REINFORCEMENT MAT
215 500	LF CY	BERM DITCH CONSTRUCTION SELECT GRANULAR MATERIAL	4	EA	SPECIAL STILLING BASINS
500	SY	FABRIC FOR SOIL STABILIZATION	330	LF	COIR FIBER BAFFLES
70	TON	FOUNDATION CONDITIONING MATE-	2	ACR	SEEDING & MULCHING
		RIAL, MINOR STRS	1	ACR	MOWING
68	LF	18" RC PIPE CULVERTS, CLASS III	50	LB	SEED FOR REPAIR SEEDING
192	LF	15" BIT COAT CS PIPE CULVERTS,	0.25 50	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
1,2		TYPE B 0.064" THICK	1.5	TON	FERTILIZER TOPDRESSING
72	LF	18" BIT COAT CS PIPE CULVERTS,	2	HR	SPECIALIZED HAND MOWING
4	EA	TYPE B 0.064" THICK	27	EA	RESPONSE FOR EROSION CONTROL
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	0.2	ACR	REFORESTATION
2	EA	18" BIT COAT CS PIPE ELBOWS, T YPE B 0.064" THICK			
1,056	TON	AGGREGATE BASE COURSE			****** BEGIN SCHEDULE AA ******
25	TON	INCIDENTAL STONE BASE	222		****** (3 ALTERNATES) ******
750	GAL	PRIME COAT	328	LF	15" RC PIPE CULVERTS, CLASS III
45	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	1	EA	**" RC PIPE ELBOWS, CLASS III (15")
340	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			*** OR ***
25	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	328	LF	***" HDPE PIPE CULVERTS (15")
25	TON	ASPHALT PLANT MIX, PAVEMENT	1	EA	GENERIC PIPE ITEM
24	EA	REPAIR RIGHT OF WAY MARKERS			15" HDPE PIPE ELBOW
67.2	CY	SUBDRAIN EXCAVATION	229	LE	*** OR ***
50.4	CY	SUBDRAIN FINE AGGREGATE	328	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****"
300	LF	6" PERFORATED SUBDRAIN PIPE			THICK
9	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	1	EA	(15", 0.064") GENERIC PIPE ITEM
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE			15" ALUM CORR STL PIPE ELBOW
6	LE	OUTLET 6" OUTLET DIDE (SUDDO A DIS)			*** 5375 00715577 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
6 5	LF EA	6" OUTLET PIPE (SUBDRAINS) MASONRY DRAINAGE STRUCTURES			*** END SCHEDULE AA ***
4	EA	FRAME WITH GRATE, STD 840.24			STRUCTURE ITEMS
1	EA	FRAME WITH GRATE, STD 840.29			
50	LF	SHOULDER BERM GUTTER	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
22	SY	4" CONCRETE PAVED DITCH	Eurip Sum	Lo	REMOVAL OF TEMP ACCESS AT STA
200	LF EA	STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS			**************************************
5 2	EA	GUARDRAIL ANCHOR UNITS, TYPE	Lump Sum	LS	(16+92.50-L-) REMOVAL OF EXISTING STRUCTURE
		350			AT STATION *********
2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	29	LF	(16+92.50-L-) **'-**" DIA DRILLED PIERS IN
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	29	LF	SOIL (4'-6")
15	TON	RIP RAP, CLASS I	19	LF	**'_**" DIA DRILLED PIERS NOT
35	TON	RIP RAP, CLASS B			IN SOIL
395	SY	FILTER FABRIC FOR DRAINAGE	22		(4'-6")
225	SF	WORK ZONE SIGNS (STATIONARY)	32	LF	PERMANENT STEEL CASING FOR **'-**" DIA DRILLED PIER
96	SF	WORK ZONE SIGNS (PORTABLE)			(4'-6")
58	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	1	EA	SID INSPECTION
80	EA	DRUMS	0.522	EA	CROSSHOLE SONIC LOGGING
25	EA	CONES	9,533 8,497	SF SF	REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS
100	LF	BARRICADES (TYPE III)	74.9	CY	CLASS A CONCRETE (BRIDGE)
100	MD	FLAGGER	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
14,100	LF	PAINT PAVEMENT MARKING LINES (4")	-		**************************************
1,010	LF	TEMPORARY SILT FENCE	15,784	LB	REINFORCING STEEL (BRIDGE)
175	TON	STONE FOR EROSION CONTROL, CLASS A	2,349	LB	SPIRAL COLUMN REINFORCING
		CEAGO A			STEEL (BRIDGE)

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390,635 LS APPROX ...... LBS STRUCTURAL STEEL

430 LF HPI2X53 STEEL PILES
556.73 LF CONCRETE BARRIER RAIL
577 TON RIP RAP CLASS II (2'-0" THICK)

643 SY FILTER FABRIC FOR DRAINAGE
Lump Sum LS POT BEARINGS
Lump Sum LS EVAZOTE JOINT SEALS

Lump Sum LS GENERIC STRUCTURE ITEM DISPOSAL OF THE TRUSS

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L080219 023

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

CONTRACT ID: C201617 33278.3.1 DIV OFFICE SYLVA LENGTH = 0.063 MI

COUNTY : CHEROKEE

GRADING, DRAINAGE, PAVING & STRUCTURE.

## DBE GOAL 4.0% COMPLETION DATE: NOV 01 2008

## BRIDGE OVER BATES CREEK & APPROACHES ON SR-1331.

			2	Ε.	TEMPOD A DV. CD A CH. CHICHIONIC
		ROADWAY ITEMS	2 2	EA EA	TEMPORARY CRASH CUSHIONS TMIA
			310	LF	PORTABLE CONCRETE BARRIER
Lump Sum	LS	MOBILIZATION	30	EA	SKINNY DRUM
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********	104	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	10+87.86 GRADING	1,060	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4")
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	17	LF	(IV) COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (24")
100	CY	UNDERCUT EXCAVATION			(IV)
500	TON	CLASS IV SUBGRADE STABILIZA- TION	7,096	LF	PAINT PAVEMENT MARKING LINES (4")
1.5 500	CY CY	DRAINAGE DITCH EXCAVATION SELECT GRANULAR MATERIAL	92	LF	PAINT PAVEMENT MARKING LINES
500	SY	FABRIC FOR SOIL STABILIZATION	410	LF	(24") TEMPORARY SILT FENCE
190	SF	TEMPORARY SHORING	160	TON	STONE FOR EROSION CONTROL,
30	TON	FOUNDATION CONDITIONING MATE-			CLASS A
24	LF	RIAL, MINOR STRS  **" SIDE DRAIN PIPE	225	TON	STONE FOR EROSION CONTROL, CLASS B
180	LF	(48") 15" RC PIPE CULVERTS, CLASS III	175 0.5	TON ACR	SEDIMENT CONTROL STONE TEMPORARY MULCHING
28	LF	**" CS PIPE CULVERTS, *****"	50	LB	SEED FOR TEMPORARY SEEDING
		THICK (84",TYPE B 0.168")	0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
140	LF	PIPE REMOVAL	200 380	LF CY	SAFETY FENCE SILT EXCAVATION
500	TON	INCIDENTAL STONE BASE	240	SY	MATTING FOR EROSION CONTROL
135	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	80	LF	1/4" HARDWARE CLOTH
95	TON	ASPHALT CONC INTERMEDIATE	2	EA	SPECIAL STILLING BASINS
		COURSE, TYPE I19.0B	0.65	ACR	SEEDING & MULCHING
140	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	0.5	ACR	MOWING
20	TON	ASPHALT BINDER FOR PLANT MIX,	50 0.25	LB TON	SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING
		GRADE PG 64-22	50	LB	SEED FOR SUPPLEMENTAL SEEDING
20	CY	SUBDRAIN EXCAVATION	0.25	TON	FERTILIZER TOPDRESSING
170	CY	SUBDRAIN FINE AGGREGATE	2	HR	SPECIALIZED HAND MOWING
1,000 30	LF EA	6" PERFORATED SUBDRAIN PIPE 6" SUBDRAIN PIPE WYES, TEES, &	8	EA	RESPONSE FOR EROSION CONTROL
2	EA	ELBOWS CONCRETE PAD FOR SUBDRAIN PIPE	0.02 590	ACR LF	STREAMBANK REFORESTATION SIGNAL CABLE
12	LF	OUTLET 6" OUTLET PIPE (SUBDRAINS)	6	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
3	EA	MASONRY DRAINAGE STRUCTURES	440	LF	MESSENGER CABLE (3/8")
1	EA	FRAME WITH TWO GRATES, STD	5 7	EA EA	WOOD POLE GUY ASSEMBLY
2	E.	840.24	1	EA	1" RISER WITH WEATHERHEAD
2	EA	FRAME WITH TWO GRATES, STD 840.29	3	EA	2" RISER WITH WEATHERHEAD
125	LF	SHOULDER BERM GUTTER	420	LF	INDUCTIVE LOOP SAWCUT
37.5	LF	STEEL BM GUARDRAIL	840	LF	LEAD-IN CABLE (************) (14-2)
81.25	LF	STEEL BM GUARDRAIL, SHOP CURVED	4	EA	SIGN FOR SIGNALS
5	EA	ADDITIONAL GUARDRAIL POSTS	1	EA	CONTROLLER WITH CABINET (TYPE
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	2	EA	2070L, POLE MOUNTED) DETECTOR CARD (TYPE 2070L)
4	EA	AT-1 GUARDRAIL ANCHOR UNITS, TYPE	2	EA	DETECTOR CARD (TTPE 20/0L)
1	EA	III GUARDRAIL ANCHOR UNITS, TYPE 350			STRUCTURE ITEMS
112.5	LF	TEMPORARY STEEL BM GUARDRAIL			
37.5	LF	TEMPORARY STEEL BM GUARDRAIL	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
2	EA	(SHOP CURVED) GUARDRAIL ANCHOR UNITS, TYPE ******** TEMPORARY	Eurip Suii	LO	AT STATION ************************************
		(AT-1)	80	LF	PILE EXCAVATION IN SOIL
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	64	LF	PILE EXCAVATION NOT IN SOIL
	TOM	350 TEMPORARY	36	CY	CLASS A CONCRETE (BRIDGE)
4 329	TON SY	RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
280	SF	WORK ZONE SIGNS (STATIONARY)			(10+87.86-L-)
112	SF	WORK ZONE SIGNS (PORTABLE)	5,068	LB	REINFORCING STEEL (BRIDGE)
20	SF	WORK ZONE SIGNS (BARRICADE	200	LF	HP12X53 GALVANIZED STEEL PILES
2	E A	MOUNTED)	770	SF	**" STEEL SHEET PILES (18")
32	EA EA	CHANGEABLE MESSAGE SIGN DRUMS	39.81	LF	ONE BAR METAL RAIL
30	EA	CONES	55.34	LF	1'-**"X *****" CONCRETE PARA-
40	LF	BARRICADES (TYPE III)			PET (1'-0" X 1'-8")
600	HR	FLAGGER	Lump Sum	LS	ELASTOMERIC BEARINGS

332.06 LF 3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

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L080219 024

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

**CONTRACT ID: C201618** 33303.3.1 DIV OFFICE SYLVA LENGTH = 0.140 MI

: HENDERSON

GRADING, DRAINAGE, PAVING & CULVERT.

## DBE GOAL 4.0% COMPLETION DATE: NOV 01 2008

#### **CULVERT ON MUD CREEK & APPROACHES ON SR-1238.**

		ROADWAY ITEMS
Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
1,500	CY	UNDERCUT EXCAVATION
500	TON	CLASS IV SUBGRADE STABILIZA- TION
1,625	CY	DRAINAGE DITCH EXCAVATION
500	CY	SELECT GRANULAR MATERIAL
500	SY	FABRIC FOR SOIL STABILIZATION
200	SF	TEMPORARY SHORING
30	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
40 184	LF LF	18" SIDE DRAIN PIPE  **" CS PIPE CULVERTS, *****"
104	LI	THICK (36", 0.079")
48	LF	**" CS PIPE CULVERTS, *****" THICK (90", 0.109")
232	LF	PIPE REMOVAL
30	TON	#57 STONE
416	TON	AGGREGATE BASE COURSE
75	TON	INCIDENTAL STONE BASE
215	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
225	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
24	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
168 126	CY CY	SUBDRAIN EXCAVATION SUBDRAIN FINE AGGREGATE
750	LF	6" PERFORATED SUBDRAIN PIPE
24	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE (SUBDRAINS)
575 50	LF LF	STEEL BM GUARDRAIL, SHOP
_	E.4	CURVED
5	EA EA	ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
375	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
11	TON	RIP RAP, CLASS B
85	TON	BOULDERS
222 104	SY SF	FILTER FABRIC FOR DRAINAGE WORK ZONE SIGNS (STATIONARY)
104	SF	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)
56	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
41	EA	DRUMS
96	LF	BARRICADES (TYPE III)
480	HR	FLAGGER
5,736	LF	PAINT PAVEMENT MARKING LINES (4")
1,050	LF	TEMPORARY SILT FENCE
40	TON	STONE FOR EROSION CONTROL, CLASS A
170	TON	STONE FOR EROSION CONTROL, CLASS B
140	TON	SEDIMENT CONTROL STONE
1.5 50	ACR LB	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING

0.25 TON FERTILIZER FOR TEMPORARY SEED-

| 1,000 | CY | SILT EXCAVATION | 1,000 | SY | MATTING FOR EROSION CONTROL | 25 | SY | COIR FIBER MAT |

ING 1,200 LF SAFETY FENCE

185	SY	PERMANENT SOIL REINFORCEMENT MAT
330	LF	1/4" HARDWARE CLOTH
35	CY	STILLING BASINS
180	LF	COIR FIBER BAFFLES
4	EA	**" SKIMMER
		(1-1/2")
1.5	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
145	LF	IMPERVIOUS DIKE
2.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.3	ACR	STREAMBANK REFORESTATION

#### **CULVERT ITEMS**

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (13+65.00-L-)
79	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
133.9	CY	CLASS A CONCRETE (CULVERT)
22.068	LB	REINFORCING STEEL (CULVERT)

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L080219 025

## STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

CONTRACT ID: C201879 34351.3.23 DIV OFFICE SYLVA LENGTH = 2.081 MI

COUNTY : TRANSYLVANIA

GRADING, DRAINAGE, AND PAVING.

## MBE GOAL 2.0% WBE 8.0% COMPLETION DATE: NOV 15 2008

## NC-281 FROM WEST OF SR-1306 (SLICK FISHER RD) TO NORTH OF SR-1307.

RO	ΑÌ	DV	٧A	Y	IT	ΈN	ЛS

		ROADWAY ITEMS	
Lump Sum	LS	MOBILIZATION	
Lump Sum	LS	CLEARING & GRUBBING ACRE(S)	
2	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	
105,200	CY	UNCLASSIFIED EXCAVATION	
400	CY	UNDERCUT EXCAVATION	
180	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	
160	SY	GENERIC GRADING ITEM GABION WALL	
255	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	
270	LF	15" SIDE DRAIN PIPE	
50	LF	18" SIDE DRAIN PIPE	
1,330	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	
135	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	
215	LF	30" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK	
260	LF	36" BIT COAT CS PIPE CULVERTS, TYPE B 0.079" THICK	
45	LF	48" BIT COAT CS PIPE CULVERTS, TYPE B 0.109" THICK	
75	LF	***" X ***" BIT COAT CS PIPE ARCH CULVERTS, TYPE B *****"	
		THICK (95" X 67", 0.109")	
300	LF	PIPE REMOVAL	
Lump Sum	LS	FINE GRADING	
12,300	TON	AGGREGATE BASE COURSE	
11,250	TON	INCIDENTAL STONE BASE	
180	CY	SUBDRAIN EXCAVATION	
135	CY	SUBDRAIN FINE AGGREGATE	
800	LF	6" PERFORATED SUBDRAIN PIPE	
24	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
12	LF	6" OUTLET PIPE (SUBDRAINS)	
13.3	CY	ENDWALLS	
8.6	CY	REINFORCED ENDWALLS	
0.6	CY	PIPE COLLARS	
1	EA	MASONRY DRAINAGE STRUCTURES	
1	EA	FRAME WITH TWO GRATES, STD 840.22	
4,500 750	LF LF	STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP	
15	EA	CURVED ADDITIONAL GUARDRAIL POSTS	
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	
26	EA	GUARDRAIL ANCHOR UNITS, TYPE	
130	LF	350 REMOVE EXISTING GUARDRAIL	
530	LF	WOVEN WIRE FENCE, 47" FABRIC	
16	EA	4" TIMBER FENCE POSTS, ***** LONG	
14	EA	(8') 4" TIMBER FENCE POSTS, 7'-6"	
10	EA	LONG 5" TIMBER FENCE POSTS, *****	
		LONG (8'-6")	
10	EA	5" TIMBER FENCE POSTS, 8'-0" LONG	
300	LF	ADDITIONAL BARBED WIRE	
970	LF	** STRAND BARBED WIRE FENCE WITH POSTS (3)	
730	LF	** STRAND BARBED WIRE FENCE WITH POSTS (4)	
230	LF	** STRAND BARBED WIRE FENCE WITH POSTS (5)	
525	LF	WOVEN WIRE FENCE RESET	

1,925	LF	BARBED WIRE FENCE RESET		
2,000	TON	RIP RAP, CLASS A		
90	TON	RIP RAP, CLASS B		
37	TON	BOULDERS		
5,800	SY	FILTER FABRIC FOR DRAINAGE		
334	SF	WORK ZONE SIGNS (STATIONARY)		
96	SF	WORK ZONE SIGNS (PORTABLE)		
120	EA	DRUMS		
128	LF	BARRICADES (TYPE III)		
500	MD	FLAGGER		
1,500	LF	WATER FILLED BARRIER		
10,000	LF	RESET WATER FILLED BARRIER		
5,500	LF	TEMPORARY SILT FENCE		
70	TON	STONE FOR EROSION CONTROL, CLASS A		
3,000	TON	STONE FOR EROSION CONTROL, CLASS B		
1,100	TON	SEDIMENT CONTROL STONE		
11	ACR	TEMPORARY MULCHING		
200	LB	SEED FOR TEMPORARY SEEDING		
2.1	TON	FERTILIZER FOR TEMPORARY SEED-ING		
800	LF	TEMPORARY SLOPE DRAINS		
22	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS		
3,410	LF	SAFETY FENCE		
5,600	CY	SILT EXCAVATION		
63,000	SY	MATTING FOR EROSION CONTROL		
530	SY	COIR FIBER MAT		
2,000	SY	PERMANENT SOIL REINFORCEMENT MAT		
4,000	LF	1/4" HARDWARE CLOTH		
500	LF	**" TEMPORARY PIPE		
		(12")		
1,200	LF	COIR FIBER BAFFLES		
57	EA	**" SKIMMER		
4	EA	(2") **" SKIMMER		
22	ACR	(3") SEEDING & MULCHING		
33	LB			
2,250 2.1	TON	SEED FOR REPAIR SEEDING		
0.8	TON	FERTILIZER FOR REPAIR SEEDING FERTILIZER TOPDRESSING		
120	LF	IMPERVIOUS DIKE		
160	HR	SPECIALIZED HAND MOWING		
30	EA	RESPONSE FOR EROSION CONTROL		
1,320	LF	GENERIC EROSION CONTROL ITEM		
1,320	LF	TEMPORARY CHANNEL DIVERSION		