

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

February 20, 2007

NOTICE TO:

All Prospective Bidders

FROM:

R.A.Garris, P.E.

Contract Officer

Re:

Disadvantaged Business Enterprise (DBE) Provision

Beginning with the March 20, 2007 letting, the project special provision titled "DISADVANTAGED BUSINESS ENTERPRISE" is being revised for all contracts utilizing Federal funds.

The Contractor's attention is directed to the fact that one of the changes requires additional information to be submitted to the Department prior to the award of a contract.

As such, this new requirement under section titled **Listing of DBE Subcontractors**, paragraph (C) requires the apparent lowest responsive bidder to submit written documentation of the bidder/offeror's commitment to use a DBE subcontractor whose participation it submits to meet a contract goal and written confirmation from each DBE, listed in the proposal, indicating their participation in the contract. This documentation will be submitted on the Department's form titled "**Letter of Intent to Perform as a Subcontractor**" and shall be received in the office of the State Contractor Utilization Engineer no later than 12:00 noon of the sixth day following opening of bids.

Attached for your convenience is a copy of the project special provision titled "Disadvantaged Business Enterprise" and a copy of the form titled "Letter of Intent to Perform as a Subcontractor".

The form "Letter of Intent to Perform as a Subcontractor" is located at the following link. http://www.ncdot.org/doh/preconstruct/ps/contracts/letting.html

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

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

LOCATION:

3-20-07 SPI G61

Policy

It is the policy of the North Carolina Department of Transportation that Disadvantaged Business Enterprises (DBEs) as defined in 49 CFR Part 26 shall have the opportunity to participate in the performance of contracts financed in whole or in part by Federal Funds in order to create a level playing field on which DBEs can compete fairly.

Obligation

The Contractor, subcontractor, and sub-recipient shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of federally assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy, as the Department deems necessary.

Definitions

Commitment - The DBE participation submitted by the prime contractor during the bidding process. Once the Department accepts the commitment, the commitment becomes the contract requirement.

Committed DBE - Any DBE listed on the DBE commitment list at the time of bid submission or any DBE utilized as a replacement for a DBE firm listed on the commitment list.

Department - North Carolina Department of Transportation

Disadvantaged Business Enterprise (DBE) – A firm certified through the North Carolina Unified Certification Program in accordance with 49 CFR Part 26.

Goal - The DBE participation specified herein.

Manufacturer - a firm that operates or maintains a factory or establishment that produces on the premises the materials or supplies obtained by the Contractor.

Regular Dealer - A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in stock, and regularly sold to the public in the usual course of business. A regular dealer engages in, as its principal business and in its own name, the purchase and sale or lease of the products in question. A regular dealer in such bulk items as steel, cement, gravel, stone, and petroleum products need not keep such products in stock, if it owns or operates distribution equipment. Brokers and packagers are not regarded as manufacturers or regular dealers within the meaning of this section.

North Carolina Unified Certification Program - A program that provides one-stop shopping to applicants for certification, such that an applicant is required to apply only once for a DBE certification that will be honored by all recipients of USDOT funds in the state.

USDOT - United States Department of Transportation, including the Office of the Secretary, the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), and the Federal Aviation Administration (FAA).

Goal

The following goal for participation by Disadvantaged Business Enterprises is established for this contract:

Disadvantaged Business Enterprises (number) %

The Contractor shall exercise all necessary and reasonable steps to ensure that Disadvantaged Business Enterprises participate in at least the percent of the contract as set forth above as the goal.

Listing of DBE Subcontractors

- (A) Bidders shall submit a listing of DBE participation in the appropriate section of Expedite, the bidding software of Bid Express®. Only those DBE firms with current certification are considered acceptable for listing in the bidder's submittal of DBE participation. The Contractor shall indicate the following required information:
 - (1) The names and addresses of DBE firms committed to participate in the contract. In the event the Bidder uses the updated listing of DBE firms shown in Expedite, the Bidder may use the dropdown menu to access the name and address of the DBE firm.
 - (2) The contract line numbers of work to be performed by each DBE firm;
 When no figures or firms are entered, the bidder will be considered to have no DBE participation.
- (B) If the DBE participation submitted in the bid by the apparent lowest responsive bidder does not meet or exceed the DBE contract goal, the apparent lowest responsive bidder shall submit to the Department documentation of its good faith efforts made to reach the contract goal. One complete set and 9 copies of this information shall be received in the office of the State Contractor Utilization Engineer no later than 12:00 noon of the sixth day following opening of bids. Where the information submitted includes repetitious solicitation letters it will be acceptable to submit a representative letter along with a distribution list of the firms that were solicited. Documentation of DBE quotations shall be a part of the good faith effort submittal as necessary to demonstrate compliance with the factors listed below which the Department considers in judging good faith efforts. This documentation may include written subcontractor quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

The following factors are used to determine if the bidder has made adequate good faith effort:

- (1) Whether the bidder attended any pre-bid meetings that were scheduled by the Department to inform DBEs of subcontracting opportunities.
- (2) Whether the bidder provided solicitations through all reasonable and available means (e.g. advertising in newspapers owned and targeted to the Disadvantaged)

at least 10 days prior to bid opening. Whether the bidder provided written notice to all DBEs listed in the NCDOT Directory of Transportation Firms, within the Divisions and surrounding Divisions where the project is located, that specialize in the areas of work (as noted in the DBE Directory) that the bidder will be subletting.

- Whether the bidder followed up initial solicitations of interests by contacting DBEs to determine with certainty whether they were interested. If a reasonable amount of DBEs within the targeted Divisions do not provide an intent to quote or no DBEs specialize in the subcontracted areas, the bidder shall notify DBEs outside of the targeted Divisions that specialize in the subcontracted areas, as well as call the Contract Compliance Manager in the Office of Civil Rights to give notification of the bidder's inability to get DBE quotes.
- (4) Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the Bidder might otherwise perform these work items with its own forces.
- (5) Whether the bidder provided interested DBEs with adequate and timely information about the plans, specifications and requirements of the contract.
- (6) Whether the bidder negotiated in good faith with interested DBEs not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.
- (7) Whether quotations were received from interested DBE firms but rejected as unacceptable without sound reasons why the quotations were considered unacceptable. The fact that the DBE firms quotation for the work is not the lowest quotation received will not in itself be considered as a sound reason for rejecting the quotation as unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered as sound reason for rejecting a DBE quote. Nothing in this provision shall be construed to require the Bidder to accept unreasonable quotes in order to satisfy contract goals.
- (8) Whether the bidder specifically negotiated with subcontractors to assume part of the responsibility to meet the contract DBE goal when the work to be sublet includes potential for DBE participation.
- (9) Whether the bidder made any efforts and/or offered assistance to interested DBEs in obtaining the necessary equipment, supplies, materials, insurance, and/or bonding to satisfy the work requirements in the bid proposal.
- (10) Any other evidence that the bidder submits which show that the bidder has made reasonable good faith efforts to meet the contract goal.

In the event a bidder is the apparent lowest responsive bidder on more that one project within the same letting located in the same geographic area of the state, as a part of the

good faith effort the Department will consider allowing the bidder to combine the DBE participation as long as the overall goal value of the combined projects is achieved.

(C) The bidder will be required to submit written documentation of the bidder/offeror's commitment to use a DBE subcontractor whose participation it submits to meet a contract goal and written confirmation from each DBE, listed in the proposal, indicating their participation in the contract. This documentation will be submitted on the Department's form titled "Letter of Intent to Perform as a Subcontractor" and shall be received in the office of the State Contractor Utilization Engineer no later than 12:00 noon of the sixth day following opening of bids.

If the bidder fails to submit written confirmation from each committed DBE, listed in the proposal, indicating their participation in the contract, the bidder shall submit information to satisfy the Department that sufficient good faith efforts have been made to meet the contract goals. The following factors are used to determine if the bidder has made adequate good faith effort to obtain written confirmation from committed DBEs indicating their participation in the contract:

- (1) Whether the apparent lowest responsive bidder, within 30 hours following bid opening, provided each DBE listed in the proposal written notification that it is participating in the contract and attaching the required forms for execution,
- (2) Whether the bidder, within 48 hours following bid opening, followed up initial notification by contacting each DBE to confirm receipt of the written documentation and to confirm the firms intent to execute and return the forms,
- (3) Whether the bidder provided each DBE with adequate and timely information about the forms,
- (4) Copies of written quotations received from each DBE listed in the proposal for which written confirmation from DBE indicating their participation in the contract is not provided and
- (5) Any other evidence that the bidder submits which show that the bidder has made reasonable good faith efforts to obtain written confirmation from DBEs indicating their participation in the contract.
- (6) If the participation supported by Letters of Intent to Perform as a Subcontractor does not meet or exceed the contract goal the bidder shall submit the information documenting good faith in accordance with item (B) of this section.
- (D) Where the bidder fails to provide the required information in the required timeframe, the Department may impose one or more of the following sanctions:
 - (1) disqualify the Contractor and any affiliated companies from further bidding for a period of time of no more than 90 days from the date of disqualification as established in notification by certified mail,
 - (2) disqualify the Contractor and any affiliated companies from award of all contracts for which bids have been received and opened,
 - (3) disqualify the Contractor from the contract in question.

(E) When the apparent lowest responsive bidder fails to submit sufficient participation by DBE firms to meet the contract goal and upon a determination by the Goal Compliance Committee based upon the information submitted that the apparent lowest responsive bidder failed to make sufficient reasonable efforts to meet the contract goal, the bidder will be offered the opportunity to meet in person for administrative reconsideration. A committee appointed by the Department will hear administrative reconsideration. Members of this committee will be officials that did not take part in the original determination by the Goal Compliance Committee. The bidder will have the opportunity to present written documentation or argument concerning the issue of whether it met the goal or made an adequate good faith effort. The bidder will receive a written decision on the reconsideration, including the basis for finding. The result of the reconsideration process will not be administratively appealable to the USDOT.

In the event that the Department does not award the contract to the apparent lowest responsive bidder, the Department reserves the right to award the contract to the next lowest responsive bidder that submits participation to meet the contract goal or documents that adequate good faith efforts have been made to meet the goal.

Directory of Transportation Firms

Real-time information about firms doing business with the Department and firms that are certified through North Carolina's Unified Certification Program is available in the Directory of Transportation Firms. The Directory can be accessed by the link on the Department's homepage or by entering http://apps.dot.state.nc.us/vendor/directory in the address bar of your web browser.

The Directory allows the display to be customized and the firms listed to be filtered by attributes, including work types, certification type and desired work area. The list can be printed or downloaded as a Microsoft Excel file. Firms identified as DBE certified in the Directory can be utilized to meet the contract goals.

The listing of an individual firm in the Department's directory shall not be construed as an endorsement of the firm's capability to perform certain work.

Replacement of DBE

The Contractor shall not terminate a committed DBE subcontractor for convenience or perform the work with its own forces or those of an affiliate. If the Contractor fails to demonstrate reasonable efforts to replace a committed DBE firm that does not perform as intended or completes the work with its own forces without the Engineer's approval, the Contractor may be disqualified from further bidding for a period of up to 6 months.

The Contractor shall comply with the following for replacement of committed DBE.

(A) Performance Related

When a DBE is terminated or fails to complete its work on the contract for any reason, the Contractor shall take all necessary, reasonable steps to replace the DBE subcontractor with another DBE subcontractor to perform at least the same amount of work as the DBE that was terminated. The Contractor is encouraged to first attempt to find another DBE firm to do the same work as the DBE that was being terminated.

To demonstrate necessary, reasonable good faith efforts, the Contractor shall document the steps he has taken to replace any DBE subcontractor who is unable to perform successfully with another DBE subcontractor. Such documentation shall include but not be limited to the following:

- (1) Copies of written notification to DBEs that their interest is solicited in subcontracting the work defaulted by the previous DBE subcontractor or in subcontracting other items of work in the contract.
- (2) Efforts to negotiate with DBEs for specific subbids including, at a minimum:
 - (a) The names, addresses, and telephone numbers of DBEs who were contacted.
 - (b) A description of the information provided to DBEs regarding the plans and specifications for portions of the work to be performed.
- (3) For each DBE contacted but rejected as unqualified, the reasons for the Contractor's conclusion.
- (4) Efforts made to assist the DBEs contacted, if needed, in obtaining bonding or insurance required by the Contractor.

(B) Decertification

- (1) When a committed DBE is decertified by the Department after a Request for Subcontract has been received by the Department, the Department will not require the Prime Contractor to solicit replacement DBE participation equal to the remaining work to be performed by the decertified firm. The participation equal to the remaining work performed by the decertified firm will count toward the contract commitment.
- (2) When a committed DBE is decertified prior to the Department receiving a Request for Subcontract for the named DBE firm, the Prime Contractor shall take all necessary and reasonable steps to replace the DBE subcontractor with another DBE subcontractor to perform at least the same amount of work to meet the contract goal or demonstrate that it has made a good faith effort to do so.

Changes in the Work

When the Engineer makes changes that result in the reduction or elimination of work to be performed by a committed DBE, the Contractor will not be required to seek additional participation. When the Engineer makes changes that result in additional work to be performed by a DBE based upon the Contractor's commitment, the DBE shall participate in additional work to the same extent as the DBE participated in the original contract work.

When the Engineer makes changes that result in extra work, which has more than a minimal impact on the contract amount, the Contractor shall seek additional participation by DBEs unless otherwise approved by the Engineer.

When the Engineer makes changes that result in an alteration of plans or details of construction and a portion or all of work had been expected to be performed by a committed DBE; the Contractor shall seek participation by DBEs unless otherwise approved by the Engineer.

When the Contractor requests changes in the work that result in the reduction or elimination of work that the Contractor committed to be performed by a DBE, the Contractor shall seek additional participation by DBEs equal to the reduced DBE participation caused by the changes.

Counting DBE Participation Toward Meeting the DBE Goal

- (A) If a firm is determined to be an eligible DBE firm, the total dollar value of the participation by the DBE will be counted toward the contract commitment. The total dollar value of participation by a certified DBE will be based upon the value of work actually performed by the DBE and the actual payments to DBE firms by the Contractor.
- (B) When a DBE performs as a participant in a joint venture, the Contractor may count toward its DBE goal a portion of the total value of participation with the DBE in the joint venture, that portion of the total dollar value being a distinct clearly defined portion of work that the DBE performs with its forces.
- (C) (1) The Contractor may count toward its DBE goal only expenditures to DBEs that perform a commercially useful function in the work of a contract. A DBE is considered to perform a commercially useful function when it is responsible for execution of a distinct element of the work of a contract and carrying out its responsibilities by actually performing, managing, and supervising the work involved. To determine whether a DBE is performing a commercially useful function, the Department will evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and other relevant factors.
 - (2) Consistent with normal industry practices, a DBE may enter into subcontracts. Work that a DBE subcontracts to another DBE firm may be counted toward the contract goal. Work that a DBE subcontracts to a non-DBE firm does not count toward the contract goal. If a DBE Contractor or subcontractor subcontracts a significantly greater portion of the work of the contract than would be expected on the basis of normal industry practices, the DBE shall be presumed not to be performing a commercially useful function. The DBE may present evidence to rebut this presumption to the Department for commercially useful functions. The Department's decision on the rebuttal of this presumption is subject to review by the Federal Highway Administration but is not administratively appealable to USDOT.
 - (3) The following factors will be used to determine if a DBE trucking firm is performing a commercially useful function.
 - (a) The DBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there cannot be a contrived arrangement for the purpose of meeting DBE goals.
 - (b) The DBE shall itself own and operate at least one fully licensed, insured, and operational truck used on the contract.

- (c) The DBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs.
- (d) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
- (e) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit for the total value of transportation services provided by non-DBE lessees not to exceed the value of transportation services provided by DBE-owned trucks on the contract. Additional participation by non-DBE lessees receives credit only for the fee or commission it receives as a result of the lease arrangement.
- (f) For purposes of this paragraph, a lease shall indicate that the DBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. Leased trucks shall display the name and identification number of the DBE.
- (D) A contractor may count toward its DBE goal 60 percent of its expenditures for materials and supplies required to complete the contract and obtained from DBE regular dealer and 100 percent of such expenditures to a DBE manufacturer.
- (E) A contractor may count toward its DBE goal the following expenditures to DBE firms that are not manufacturers or regular dealers:
 - (1) The fees or commissions charged by a DBE firm for providing a bona fide service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a DOT-assisted contract, provided the fees or commissions are determined to be reasonable and not excessive as compared with fees and commissions customarily allowed for similar services.
 - (2) The fees or commissions charged for assistance in the procurement of the materials and supplies, or for transportation charges for the delivery of materials or supplies required on a job site (but not the cost of the materials and supplies themselves), provided the fees are not from a manufacturer or regular dealer and provided the fees are determined to be reasonable and not excessive as compared with fees customarily allowed for similar services.

Reports

All requests for subcontracts involving DBE subcontractors shall be accompanied by a certification executed by both the Prime Contractor and the DBE subcontractor attesting to the agreed upon unit prices and extensions for the affected contract items. This information shall be supplied on the Department Form RS-1-D unless otherwise approved by the Engineer. In any event, the Department reserves the right to require copies of actual subcontract agreements involving DBE subcontractors.

Within 30 days of entering into an agreement with a DBE for materials, supplies or services, not otherwise documented by a Request for Subcontract as specified above, the Contractor shall furnish the Engineer a copy of the agreement. The documentation should also indicate the percentage (60% or 100%) of expenditures claimed for DBE credit.

All certifications will be considered a part of the project records, and consequently will be subject to penalties under Federal Law associated with falsifications of records related to projects.

Reporting Disadvantaged Business Enterprise Participation

The Contractor shall provide the Engineer with an accounting of payments made to Disadvantaged Business Enterprise firms, including material suppliers, contractors at all levels (prime, subcontractor, or second tier subcontractor). This accounting shall be furnished to the Engineer for any given month by the end of the following month. Failure to submit this information accordingly may result in (1) withholding of money due in the next partial pay estimate; or (2) removal of an approved contractor from the prequalified bidders list or the removal of other entities from the approved subcontractors list.

The Contractor shall report the accounting of payments through the Department's DBE Payment Tracking System, which is a web based application. The system can be accessed through the following web link: https://apps.dot.state.nc.us/Vendor/PaymentTracking/. The Contractor shall also provide the Engineer an affidavit attesting the accuracy of the information submitted in the Payment Tracking System. This too shall be submitted for any given month by the end of the following month.

Contractors reporting transportation services provided by non-DBE lesses in accordance with item (C)(3)(e) above shall evaluate the value of services provided during the month of the reporting period only.

Prior to payment of the final estimate, the Contractor shall furnish an accounting of total payment to each DBE. A responsible fiscal officer of the payee contractor, subcontractor, or second tier subcontractor who can attest to the date and amounts of the payments shall certify that the accounting is correct

While each contractor (prime, subcontractor, 2nd tier subcontractor) is responsible for accurate accounting of payments to DBEs, it shall be the prime contractors responsibility to report all monthly and final payment information in the Tracking System.

Failure on the part of the Contractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from further bidding until the required information is submitted.

Failure on the part of any subcontractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from working on any DOT project until the required information is submitted.

LE	TTER OF INTENT TO PE	ERFORM AS A SUBCONTRACTOR
Co	ONTRACT:	NAME OF BIDDER:
	nds to perform work in connected of contract by the Board of T	ction with the above contract upon execution of the bid Transportation as:
Name of MBE/WBE/	DBE Subcontractor	
Address		
City	State	Zip
	Please che	ck all that apply:
	Minority Business	s Enterprise (MBE)
	Women Business I	Enterprise (WBE)
	Disadvantaged Busin	ness Enterprise (DBE)
listed on the attached upon execution of the named subcontractor	MBE/WBE/DBE Commitmed bid and subsequent award of is prepared to perform the des	subcontractor is prepared to perform the described work and Items sheet, in connection with the above contract contract by the Board of Transportation. The above scribed work at the estimated Commitment Total for DBE Commitment Items sheet and amount indicated
		and Quantities on the "attached" MBE/WBE/DBE unt from MBE/WBE/DBECommitment Items sheet)
Prices and Quantities vary up or down as the performed and accept amount quoted based	. This commitment total is bas ne project is completed. Final ted during the pursuance of we on these estimated quantities.	ly accepts the Commitment Total estimated for the Unit sed on estimated quantities only and most likely will compensation will be based on actual quantities of work ork. The above listed amount represents the entire dollar. No conversations, verbal agreements, and/or other add, delete, or modify the terms as stated.
This document shall t	not serve in any manner as an ent will describe in detail the	actual subcontract between the two parties. A separate contractual obligations of the bidder and the
Affirmation		
	BE/ WBE/ DBE subcontractor ar value as stated above.	affirms that it will perform the portion(s) of the contract
Name of MBE/ WBE/ DB	E Subcontractor	Name of Bidder
Signature / Title		Signature / Title
Date	-	



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

August 22, 2006

NOTICE TO:

All Invitation to Bid Recipions

FROM:

R. A. Garris, P.E.

Contract Officer

SUBJECT

Release of Bid Tabulation Prior to Project Award

At the request of the Associated General Contractors (AGC) the Department will no longer post on the internet or make printed distribution of bid tabulations until after a project is awarded.

The AGC's request is a result of their concern about release of unit prices on projects in which bids are rejected and the disadvantage that could be created when the project is readvertised.

Therefore, beginning with the August 15, 2006 Highway letting bid tabulations will not be posted on the internet or an external distribution made until after the project has been awarded. Projects that are rejected will not be part of the information posted or distributed.

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

March 20, 2007

MEMORANDUM TO:

Prospective Bidders

FROM:

Randy A. Garris, PE Robius

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

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 MAY 15, 2007. 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 APRIL 17, 2007.

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	<u>LOCATION</u>	TOWN	TELEPHONE
00001 Anthony W Roper, 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) 560-6851
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	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

Bid l	Bid Letting Number L070515									
RPN	Contract Id	I WBS	County	Length	JobType					
001	C201746	40197.3.GV1	NORTHAMPTON	6.500 MI	MILLING & RESURFACING.					
002	C201639	33480.3.1	GREENE	0.225 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
003	C201483	33567.3.1	PENDER	0.605 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
004	C201550	34407.2.3	BRUNSWICK	4.520 MI	GRADING, DRAINAGE, PAVING, SIGNALS, & STRUCTURES.					
005	C201640	33610.3.1	SAMPSON	0.161 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
006	C201794	33073.3.1	EDGECOMBE, HALIFAX	0.606 MI	GRADING, DRAINAGE, PAVING & STRUCTURES.					
007	C201637	33098.3.2	JOHNSTON	0.218 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
008	C201491	33320.3.1	NASH	0.341 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
009	C201547	33466.3.1	EDGECOMBE	0.170 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
010	C201546	33350.3.1	WAKE	0.257 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.					
011	C201446	33636.3.1	WAKE	0.129 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.					
012	C201276	34935.3.1	RANDOLPH	0.288 MI	GRADING, DRAINAGE, PAVING, SIGNALS & CULVERT.					
013	C201421	34183.3.GV1	DAVIE	4.600 MI	PAVEMENT REHABILITATION & GUARDRAIL.					
014	C201747	38730.3.GV1	ROWAN	5.618 MI	MILLING & RESURFACING.					
015	C201734	38732.3.GV1	MECKLENBURG	8.700 MI	RESURFACING.					
016	C201778	41453.3.GV1	MECKLENBURG	0.650 MI	MILLING & RESURFACING.					
017	C201548	33503.3.1	IREDELL	0.151 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.					
018	C201477	32920.3.2	HAYWOOD	0.052 MI	GRADING, DRAINAGE, PAVING, C&G, RET WALL, & STRUCTURE.					
019	C201796	37735.3.1	JACKSON	3.313 MI	GRADING, DRAINAGE, PAVING, & GUARDRAIL REHAB.					

Page: 1 of 26

L070515 001

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201746 40197.3.GV1 DIV OFFICE WILSON LENGTH = 6.500 MI

COUNTY : **NORTHAMPTON**

MILLING & RESURFACING.

DBE GOAL 5.0% COMPLETION DATE: NOV 09 2007

I-95 FROM SOUTH OF NC-46 TO THE VIRGINIA STATE LINE.

LS	MOBILIZATION
SY	MILLING ASPHALT PAVEMENT, ***"
	DEPTH (1-1/2")
TON	ASPHALT CONC SURFACE COURSE,
	TYPE S9.5C
TON	ASPHALT BINDER FOR PLANT MIX,
	GRADE PG 70-22
LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
SY	GENERIC PAVING ITEM
	NON-WOVEN FIBERGLASS/PO-
	LYESTER INTERLAYER PAVING MAT
EA	GENERIC DRAINAGE ITEM
	DROP INLET REPAIR
EA	FLASHING ARROW PANELS, TYPE C
EA	CHANGEABLE MESSAGE SIGN
EA	DRUMS
EA	TMIA
LF	PAINT PAVEMENT MARKING LINES
	(6")
LF	PAINT PAVEMENT MARKING LINES
	(12")
LF	POLYUREA PAVEMENT MARKING
	LINES (6", *********)
	(HIGHLY REFLECTIVE ELEMENTS)
LF	POLYUREA PAVEMENT MARKING
	LINES (12", *********) (HIGHLY REFLECTIVE ELEMENTS)
EΛ	SNOWPLOWABLE PAVEMENT MARKERS
EA	SNOWPLOWABLE PAVEMENT MARKERS
	TON TON LF SY EA EA EA EA EA LF

Page: 2 of 26

L070515 002

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201639 33480.3.1 **DIV OFFICE GREENVILLE** LENGTH = 0.225 MI

COUNTY : GREENE

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE: SEE SPECIAL PROVISIONS

BRIDGE OVER RAINBOW CREEK & APPROACHES ON SR-1438.

ROADWAY ITEMS

Lump Sum LS MOBILIZATION

GENERIC MISCELLANEOUS ITEM Lump Sum LS

ROADWAY CONSTRUCTION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
		(13+72.50 -L-)
1	EA	PDA TESTING
1	EA	PDA ASSISTANCE
1,310	CY	UNCLASSIFIED STRUCTURE EXCAVATION
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION **********
		(13+72.50 -L-)
425	LF	HP12X53 STEEL PILES
900	LF	HP12X53 GALVANIZED STEEL PILES
18	EA	PILE REDRIVES
725	TON	RIP RAP CLASS II (2'-0" THICK)
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM AT
		STA*******
		(13+72.50 -L-)
Lump Sum	LS	CONSTRUCTION OF SUBSTRUCTURE
Lump Sum	LS	CONSTRUCTION OF SUPERSTRUCTURE

Page: 3 of 26

L070515 003

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201483 33567.3.1 DIV OFFICE WILMINGTON LENGTH = 0.605 MI

COUNTY : PENDER

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE: DEC 31 2009

BRIDGE OVER NE CAPE FEAR RIVER AND APPROACHES ON NC-210.

Lump Sum			ROADWAY ITEMS	185 9	LF EA	WOVEN WIRE FENCE, 47" FABRIC 4" TIMBER FENCE POSTS, 7'-6"
LONG				7	EA	LONG 5" TIMBER FENCE POSTS. 8'-0"
Lamp Sum	-					
FILL STATION						
Manual	Zump Sum	20	FILL, STATION ********			
Lang				I	EA	
BING	· .			24	SF	
1.00 CY DIRECTUT EXCAVATION 7.0 COUNTY	1	ACR				
1,10 CY	1,629	CY		72	LE	
3-70 CY SELECT GRANULAR MATERIAL 2 EA DISPOSAL OF SIGN SYSTEM U.	1,100	CY	DRAINAGE DITCH EXCAVATION			
600 SY FABRIC FOR SOUL STABILIZATION 24 57 WORK ZONE SIGNS (STATIONARY)	3,700	CY	SELECT GRANULAR MATERIAL			
SUPPORTED 138 SF WORK ZONE SIGNS (PORTABLE)						
18	7,400	SF				
RIAL_MINOR STIRS	185	TON				
152 LF				20	SF	
106 LF 24" SIDE DRAIN PIPE				80	EA	,
18				50	EA	CONES
168 I. 8" RP PIPE CULVERTS, CLASS 2				72	LF	BARRICADES (TYPE III)
1	108	LF				
1	168	LF	18" RC PIPE CULVERTS, CLASS			
1. 1. 1. 1. 1. 1. 1. 1.						
15	32	LF				
Type Second Sec						
1.00	204	LF				RIER
2				44	EA	
TYPE A **** THICK	2	EΛ		4.450	LE	
4 F. *** BIT COAT CS PIPE ELBOWS,	2	LA		4,438	LF	
TYPE A *******THICK (18",0.064") 15				4,458	LF	THERMOPLASTIC PAVEMENT MARKING
(18", 0.064") 175 LF PIPE REMOVAL 1 F PIPE REMOVAL 2.115 TON AGGREGATE BASE CURSE 300 TON INCLIDENTAL STONE BASE 301 TON NICLIDENTAL STONE BASE 302 TON NICLIDENTAL STONE BASE 303 TON ASPHALT CONC BASE COURSE, TYPE 304 B25 JB 1,400 TON ASPHALT CONC INTERMEDIATE COURSE, TYPE 19 0B 1,400 TON ASPHALT CONC INTERMEDIATE COURSE, TYPE 19 0B 1,400 TON ASPHALT CONC INTERMEDIATE COURSE, TYPE 19 0B 1,400 TON ASPHALT CONC SURFACE COURSE, TYPE 59.5B 1,500 TON ASPHALT FLONE SURFACE COURSE, TYPE 59.5B 1,600 TON ASPHALT HAND THINK, 2,600 TON ASPHALT DAY THINK, 3,700 TON ASPHALT BASE COURSE, TYPE 59.5B 1,600 TON ASPHALT BASE COURSE TOR THINK, THE FROM THE ASPHALT BASE COURSE TOR THINK, THE FROM THE ASPHALT BASE TOR	4	EA				
175				3,884	LF	
2,115	175	LF	PIPE REMOVAL			
300 TON INCIDENTAL STONE BASE 100 LINES (4°) LINES (4°) 350 TON ASPHALT CONC BASE COURSE, TYPE 12 EA PERMANENT RAISED PAVEMENT MARKERS 1,400 TON ASPHALT CONC INTERMEDIATE 28 EA SNOWPLOWABLE PAVEMENT MARKERS 1,300 TON ASPHALT CONC SURFACE COURSE, TYPE 19.0B 2.217 LF 12° WATER LINE 1,300 TON ASPHALT BINDER FOR PLANT MIX,	1	EA	PIPE CLEAN-OUT	39,600	LF	
135 SY INCIDENTAL MILLING 12 EA PERMANENT RAISED PAVEMENT 350 TON ASPHALT CONC BASE COURSE, TYPE 12 EA PERMANENT RAISED PAVEMENT MARKERS 14 EA PERMANENT RAISED PAVEMENT MARKERS 15 12 VATURE LINE 1300 TON ASPHALT CONC SURFACE COURSE, TYPE 190 15 EA 12 VATURE LINE 12 VATURE LINE 1300 TON ASPHALT GONC SURFACE COURSE, TYPE 59 5 EA RELOCATE FIRE HYDRANT 15 EA RECONNECT WATER METER 160 TON ASPHALT BINDER FOR PLANT MIX, 2 EA RELOCATE FIRE HYDRANT 15 EA RECONNECT WATER METER 160 TON ASPHALT BINDER FOR PLANT MIX, 2 EA RELOCATE FIRE HYDRANT 15 EA				400	LE	
1				400	LF	
1,400 TON ASPHALT CONC INTERMEDIATE 28 EA SNOWPLOWABLE PAVEMENT MARKERS COURSE, TYPE 119.0B 2.217 LF 12" WATER LINE 1,300 TON ASPHALT CONC SURFACE COURSE, TYPE 19.0B 2.217 LF 12" WATER LINE 1,301 TON ASPHALT CONC SURFACE COURSE, TYPE 59.5B 1 EA 12" VALVE 1,502 TYPE 59.5B 1 EA 12" VALVE 1,503 TYPE 59.5B 1 EA 12" VALVE 1,504 TYPE 59.5B 1 EA RECONNECT WATER METER 1,505 LF RECONNECT WATER METER 1,507 LF ASPHALT BINDER FOR PLANT MIX, 1,508 LF ARECONNECT WATER METER 1,509 LF ARECONNECT WATER METER 1,500 LF ASPHALT PLANT MIX, PAVEMENT				12	EA	
1,300 10N ASPHALT CONC SURFACE COURSE, TYPE 119.0B 2,217 LF 12" WATER LINE 1,300 TON ASPHALT CONC SURFACE COURSE, TYPE 59.5B 1 EA RECONNECT WATER METER 160 TON ASPHALT BINDER FOR PLANT MIX, 2 EA RELOCATE FIRE HYDRANT GRADE PG 64-22 2,160 LF ABANDON 12" UTILITY PIPE 100 TON ASPHALT PLANT MIX, PAVEMENT 1,550 LF TERNCHLESS INSTALLATION OF 12" REPAIR REPAIR 1,550 LF TERNCHLESS INSTALLATION OF 12" 1						
1,300 TON ASPHALT CONC SURFACE COURSE, TYPE 30, 1	1,400	TON				
TYPE \$9.5B 1 EA RECONNECT WATER METER 160 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 2,160 LF ABANDON 12" UTILITY PIPE 100 TON ASPHALT PLANT MIX, PAVEMENT REPAIR 25 CY SUBDRAIN EXCAVATION 100 LF TRENCHLESS INSTALLATION OF 12" NOT IN SOIL 26 CY SUBDRAIN FINE AGGREGATE 27 CY SUBDRAIN FINE AGGREGATE 28 C'Y SUBDRAIN FINE AGGREGATE 30 LF TEMPORARY SILIT FENCE 31 EA 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS 40 TON STONE FOR FEROSION CONTROL, CLASS A 4 CONCRETE PAD FOR SUBDRAIN PIPE 50 CUTLET 6 CONCRETE PAD FOR SUBDRAIN PIPE 6 LF 6" OUTLET PIPE (SUBDRAINS) 7 EA MASONRY DRAINAGE STRUCTURES 7 EA MASONRY DRAINAGE STRUCTURES 8 LF BRAME WITH TWO GRATES, STD 8 ABOULDER BERM GUTTER 8 SED FOR TEMPORARY SICIPE DRAINS 8 LF SHOULDER BERM GUTTER 8 LF GUARDRAIL ANCHOR UNITS, TYPE 10 LF REMOVE EXISTING GUARDRAIL 1 LEA RECONNECT WATER HEYDRARY 1 LA BARDON 12" LABADON 12" LABADON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LITTY PIPE 1 LA BARDON 12" LITTY PIPE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1 LA REPORARY SLOPE DRAINS 1 LA SHELL PATE 1	1 200	TON				
TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 CAMPAID	1,300	TON				
100 TON ASPHALT PLANT MIX, PAVEMENT 1,550 LF TRENCHLESS INSTALLATION OF 12" IN SOIL	160	TON	ASPHALT BINDER FOR PLANT MIX,			
REPAIR 25 CY SUBDRAIN EXCAVATION 26 CY SUBDRAIN FINE AGGREGATE 27 CY SUBDRAIN FINE AGGREGATE 28 CY SUBDRAIN FINE AGGREGATE 30 EA 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS 10 TON STONE FOR EROSION CONTROL, CLASS A 11 EA CONCRETE PAD FOR SUBDRAIN PIPE 40 TON STONE FOR EROSION CONTROL, CLASS B 10 EA CONCRETE PAD FOR SUBDRAIN PIPE 40 TON STONE FOR EROSION CONTROL, CLASS B 4 ACR TEMPORARY MULCHING 4 CA TEMPORARY MULCHING 5 LF MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 6 LF 6" SUBDRAINS 6 LF 6" SUBDRAIN PIPE (SUBDRAINS) 7 EA MASONRY DRAINAGE STRUCTURES 7 EA FRAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 150 LB SEED FOR TEMPORARY SEED-ING 16 LF SHOULDER BERM GUTTER 17 EA FRAME WITH TWO GRATES, STD 18 SUBDRAIN EXCAVATION 18 SEED FOR TEMPORARY SLOPE DRAINS 19 LF SHOULDER BERM GUTTER 10 TON FERTILLZER FOR TEMPORARY SLOPE DRAINS 10 LF STEEL BM GUARDRAIL 11 SO Y SILT EXCAVATION 10 SILDE DRAINS 11 STONE FOR EROSION CONTROL 11 EA GUARDRAIL ANCHOR UNITS, TYPE 12 SY COIR FIBER MAT 11 LF TIME HARDWARE CLOTH 11 SY COIR FIBER MAT 11 LA COUR FIBER BAFFLES 10 TON STONE FOR EROSION CONTROL 11 SET STEEL BM GUARDRAIL 11 SY COIR FIBER MAT 11 LF TEMPORARY SLOPE DRAINS 11 SY COIR FIBER MAT 11 LA COUR FIBER BAFFLES 11 SECOND FIBER BAFFLES 12 EA GUARDRAIL ANCHOR UNITS, TYPE 13 SO COIR FIBER BAFFLES 14 SHOWLE SISTING GUARDRAIL 15 COIR FIBER BAFFLES 16 CIN THEMPORARY				2,160	LF	ABANDON 12" UTILITY PIPE
25 CY SUBDRAIN EXCAVATION 20 CY SUBDRAIN FINE AGGREGATE 30 CF SUBDRAIN FINE AGGREGATE 31 CF SUBDRAIN PIPE WYES, TEES, & 100 TON STONE FOR EROSION CONTROL, CLASS A ELBOWS 40 TON STONE FOR EROSION CONTROL, CLASS A ELBOWS 51 CLASS B 52 CF SUBDRAIN PIPE WYES, TEES, & 100 TON STONE FOR EROSION CONTROL, CLASS A ELBOWS 53 CLASS B 54 CF OUTLET PIPE (SUBDRAINS) 55 CF MASONRY DRAINAGE STRUCTURES 56 LF MASONRY DRAINAGE STRUCTURES 57 CF MASONRY DRAINAGE STRUCTURES 58 CF SUBDRAIN WITH TWO GRATES, STD SHOWLD STRUCTURES 59 CF SUBDRAIN GUTTER 50 CF SUBDRAIN GUTTER 50 CF SUBDRAIN GUTTER 51 CF STEEL BM GUARDRAIL 51 CF STEEL BM GUARDRAIL 52 CF STEEL BM GUARDRAIL 53 CF STEEL BM GUARDRAIL 54 CF STEEL BM GUARDRAIL 55 CF STEEL BM GUARDRAIL 56 CF SUBDRAIN GUTTER 57 COOR FIBER MAT III 57 COOR FIBER MAT III 58 COOR FIBER MAT III 58 COOR FIBER MAT III 59 COOR FIBER MAT 59 COOR FIBER MAT 50 CF SUBDRAIN GUTTER 50 CF SUBDRAIN GUARDRAIL 51 CF STEEL BM GUARDRAIL 52 CF GUARDRAIL ANCHOR UNITS, TYPE STEEL BM GUARDRAIL 54 CF GUARDRAIL ANCHOR UNITS, TYPE STEEL BM GUARDRAIL 55 CF GUARDRAIL ANCHOR UNITS, TYPE STEEL BM GUARDRAIL 56 CF SUBDRAIN SUBDRAIL STEEL STEEL STILLING BASINS 50 CF SUBDRAIN SUBDRAIN SUBDRAIN SUBDRAIL SOOL OF FIBER BAFFLES 51 CF SEMOVE EXISTING GUARDRAIL 56 CF SUBDRAIN SUBDRAIL SOOL OF FIBER BAFFLES 51 CF SEMOVE EXISTING GUARDRAIL 56 CF SUBDRAIN SUBDRAIN SUBDRAIN SUBDRAIL SOOL OF FIBER BAFFLES 51 CF SUBDRAIL ANCHOR UNITS, TYPE SUBDRAIL SOOL OF FIBER BAFFLES 52 CF SUBDRAIL ANCHOR UNITS, TYPE SUBDRAIL SOOL OF FIBER BAFFLES 52 CF SUBDRAIL ANCHOR UNITS, TYPE SUBDRAIL SOOL OF FIBER BAFFLES 52 CF SUBDRAIL ANCHOR UNITS, TYPE SUBDRAIL SOOL OF FIBER BAFFLES 53 COOR FIBER BAFFLES 54 COOR FIBER BAFFLES 55 CF SUBDRAIL ANCHOR UNITS, TYPE SUBDRAIL SUBDRAIL SOOL ON THE SUBDRAIN SUBDRAIL SUBDRAIN SU	100	TON		1,550	LF	
20 CY SUBDRAIN FINE AGGREGATE 100 LF 6" PERFORATED SUBDRAIN PIPE 3 EA 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS 100 TON STONE FOR EROSION CONTROL, CLASS B 6 CLASS B 6 CONCRETE PAD FOR SUBDRAIN PIPE 6 "OUTLET CONTROL STONE FOR EROSION CONTROL, CLASS B 6 LF 6" OUTLET PIPE (SUBDRAINS) 8 15 TON SEDIMENT CONTROL STONE 2 CY PIPE COLLARS 4 ACR TEMPORARY MULCHING 7 EA MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 5 LF FAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 225 LF **"X **" CONCRETE CURB (8" X 18") 815 LF SHOULDER BERM GUTTER 787.5 LF STEEL BM GUARDRAIL 787.5 LF STEEL BM GUARDRAIL 8 LA GUARDRAIL ANCHOR UNITS, TYPE 1 EA GUARDRAIL ANCHOR UNITS, TYPE 2 EA GUARDRAIL ANCHOR UNITS, TYPE 1 EA SPECIAL STILLING BASINS 1.50 LF REMOVE EXISTING GUARDRAIL 3 60 LF COIR FIBER BAFFLES ***SKIMMER (**)**CINCAPPERS ************************************	25	CY		100	LE	
3 EA 6"SUBDRAIN PIPE WYES, TEES, & ELBOWS 1 EA CONCRETE PAD FOR SUBDRAIN PIPE UTLET OUTLET CUASS A 1 EA CONCRETE PAD FOR SUBDRAIN PIPE OUTLET OUTLET OUTLET PIPE (SUBDRAINS) 6 LF 6"OUTLET PIPE (SUBDRAINS) 7 EA MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 7 EA FRAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 225 LF ***********************************			SUBDRAIN FINE AGGREGATE	100	LF	
ELBOWS 1 EA CONCRETE PAD FOR SUBDRAIN PIPE OUTLET OUTLET OUTLET OUTLET PIPE (SUBDRAINS) 6 LF 6" OUTLET PIPE (SUBDRAINS) 7 EA MASONRY DRAINAGE STRUCTURES TEAM ASONRY DRAINAGE STRUCTURES TEAM ACCRUCTURES TEAM ASONRY DRAINAGE STRUCTURES TEAM ACCRUCTURES TEAM ACCRUCTURES TEAM ACCRUCTURES TEAM ACCRUCTURES TEAM ACCRUCTU	100	LF	6" PERFORATED SUBDRAIN PIPE	3,260	LF	TEMPORARY SILT FENCE
1 EA CONCRETE PAD FOR SUBDRAIN PIPE OUTLET OUTLET 6 LF 6' OUTLET PIPE (SUBDRAINS) 815 TON SEDIMENT CONTROL STONE 2 CY PIPE COLLARS 4 ACR TEMPORARY MULCHING 7 EA MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 6 LF MASONRY DRAINAGE STRUCTURES 7 EA FRAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 225 LF ***" X***" CONCRETE CURB 8(" X 18") 815 LF SHOULDER BERM GUTTER 787.5 LF STEEL BM GUARDRAIL 787.5 LF STEEL BM GUARDRAIL 4 EA GUARDRAIL ANCHOR UNITS, TYPE 11 SA SPECIAL STILLING BASINS 1.950 LF REMOVE EXISTING GUARDRAIL 1.950 LF REMOVE EXISTING GUARDRAIL 1.950 LF REMOVE EXISTING GUARDRAIL **** SKIMMER **********************************	3	EA		100	TON	
OUTLET 6 LF 6" OUTLET PIPE (SUBDRAINS) 8 15 TON SEDIMENT CONTROL STONE 2 CY PIPE COLLARS 1 ACR TEMPORARY MULCHING 7 EA MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 6 LF FAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 225 LF (8" X 18") 815 LF SHOULDER BERM GUTTER 787.5 LF STEEL BM GUARDRAIL 5 EA ADDITIONAL GUARDRAIL POSTS 4 EA GUARDRAIL ANCHOR UNITS, TYPE 1 EA GUARDRAIL ANCHOR UNITS, TYPE 1 SEA GUARDRAIL ANCHOR UNITS, TYPE 1 SEA GUARDRAIL ANCHOR UNITS, TYPE 1 EA GUARDRAIL ANCHOR UNITS, TYPE 1 EA GUARDRAIL ANCHOR UNITS, TYPE 2 EA GUARDRAIL ANCHOR UNITS, TYPE 4 EA GUARDRAIL ANCHOR UNITS, TYPE 5 EA GUARDRAIL ANCHOR UNITS, TYPE 6 CON FIBER BAFFLES 7 CON FIBER BAFFLES 7 CON FIBER BAFFLES 7 CON FIBER BAFFLES 8 CON FIBER BAFFL	1	EΛ		400	TON	
2 CY	1	LA		400	ION	
7 EA MASONRY DRAINAGE STRUCTURES 5 LF MASONRY DRAINAGE STRUCTURES 6 LF MASONRY DRAINAGE STRUCTURES 7 EA FRAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 225 LF 8*"X **" CONCRETE CURB 8 INLET PROTECTION AT TEMPORARY SLOPE DRAINS 815 LF SHOULDER BERM GUTTER 2,260 LF SAFETY FENCE 787.5 LF STEEL BM GUARDRAIL 1,150 CY SILT EXCAVATION 5 EA ADDITIONAL GUARDRAIL POSTS 2,850 SY MATTING FOR EROSION CONTROL 4 EA GUARDRAIL ANCHOR UNITS, TYPE 15 SY COIR FIBER MAT III 755 LF 1/4" HARDWARE CLOTH 4 EA GUARDRAIL ANCHOR UNITS, TYPE 220 SY FLOATING TURBIDITY CURTAIN 350 1,950 LF REMOVE EXISTING GUARDRAIL 360 LF COIR FIBER BAFFLES 2 EA GUARDRAIL ANCHOR UNITS, TYPE 15 SY SILMBER BAFFLES 360 LF COIR FIBER BAFFLES 4 EA GUARDRAIL ANCHOR UNITS, TYPE 220 SY SY ELOATING TURBIDITY CURTAIN 350 LF COIR FIBER BAFFLES 4 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 5 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES	6	LF	6" OUTLET PIPE (SUBDRAINS)	815	TON	SEDIMENT CONTROL STONE
5 LF MASONRY DRAINAGE STRUCTURES 7 EA FRAME WITH TWO GRATES, STD 840.29 140 LF TEMPORARY SLOPE DRAINS 225 LF **"X **" CONCRETE CURB (8" X 18") 215 LF SHOULDER BERM GUTTER 216 ADDITIONAL GUARDRAIL ANCHOR UNITS, TYPE 11 II 1755 LF 14" HARDWARE CLOTH 115 SUPE DRAINS 217 LF AGUARDRAIL ANCHOR UNITS, TYPE 120 SY FLOATING TURBIDITY CURTAIN 11950 LF REMOVE EXISTING GUARDRAIL 1950 AG EA SPECIAL STILLING BASINS 218 LF AGUARDRAIL ANCHOR UNITS, TYPE 120 SY FLOATING TURBIDITY CURTAIN 1950 LF REMOVE EXISTING GUARDRAIL 1950 AG EA SPECIAL STILLING BASINS 219 LF REMOVE EXISTING GUARDRAIL 1950 AG EA SPECIAL STILLING BASINS 220 CON FIBER BAFFLES 15 SY COIR FIBER BAFFLES 15 SY EAGUARDRAIL ANCHOR UNITS, TYPE 15 SY COIR FIBER BAFFLES 15 SY EAGUARDRAIL ANCHOR UNITS, TYPE 15 SY COIR FIBER BAFFLES 15 SY EAGUARDRAIL ANCHOR UNITS, TYPE 15 S				4	ACR	TEMPORARY MULCHING
Teal						
Section Sect				0.75	TON	
225 LF	,	LA		140	LF	
SIDENTIFY SHOULDER BERM GUTTER 2,260	225	LF	**"X **" CONCRETE CURB			
787.5 LF STEEL BM GUARDRAIL 1,150 CY SILT EXCAVATION 1,150 CY SILT EXCAVATION 1,150 CY SILT EXCAVATION 2,850 SY MATTING FOR EROSION CONTROL 4 EA GUARDRAIL ANCHOR UNITS, TYPE 11						
5 EA ADDITIONAL GUARDRAIL POSTS 4 EA GUARDRAIL ANCHOR UNITS, TYPE 15 SY COIR FIBER MAT III 755 LF 1/4" HARDWARE CLOTH 4 EA GUARDRAIL ANCHOR UNITS, TYPE 220 SY FLOATING TURBIDITY CURTAIN 350 36 EA SPECIAL STILLING BASINS 1,950 LF REMOVE EXISTING GUARDRAIL 360 LF COIR FIBER BAFFLES 2 EA GUARDRAIL ANCHOR UNITS, TYPE 360 LF COIR FIBER BAFFLES 4 EXPERIENCE 1 EA *** SKIMMER						
4 EA GUARDRAIL ANCHOR UNITS, TYPE 15 SY COIR FIBER MAT III 755 LF 1/4" HARDWARE CLOTH 4 EA GUARDRAIL ANCHOR UNITS, TYPE 220 SY FLOATING TURBIDITY CURTAIN 350 36 EA SPECIAL STILLING BASINS 1,950 LF REMOVE EXISTING GUARDRAIL 360 LF COIR FIBER BAFFLES 2 EA GUARDRAIL ANCHOR UNITS, TYPE ************************************						
III						
4 EA GUARDRAIL ANCHOR UNITS, TYPE 350 36 EA SPECIAL STILLING BASINS 1,950 LF REMOVE EXISTING GUARDRAIL 2 EA GUARDRAIL ANCHOR UNITS, TYPE ************************************			III			
1,950 LF REMOVE EXISTING GUARDRAIL 2 EA GUARDRAIL ANCHOR UNITS, TYPE ************************************	4	EA			SY	
2 EA GUARDRAIL ANCHOR UNITS, TYPE ***********************************	1 050	IF				
**************************************			GUARDRAIL ANCHOR UNITS, TYPE			
(W-BEAM)			****** TEMPORARY	1	EΑ	
			(W-BEAM)			

1	EA	**" SKIMMER
		(2-1/2")
8	ACR	SEEDING & MULCHING
2.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
5.75	TON	FERTILIZER TOPDRESSING
2.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.2	ACR	REFORESTATION
1	ACR	WETLAND REFORESTATION
1	ACR	GENERIC EROSION CONTROL ITEM
		DISKING
1	ACR	GENERIC EROSION CONTROL ITEM
		RIPPING

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
		(33+52.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
1,141.52	LF	**'-**" DIA DRILLED PIERS (6'-0")
539.52	LF	PERMANENT STEEL CASING FOR **'-**" DIA DRILLED PIER
		(6'-0")
18	EA	SID INSPECTION
18	EA	SPT TESTING
6	EA	CROSSHOLE SONIC LOGGING
29,985	SF	REINFORCED CONCRETE DECK SLAB
26,064	SF	GROOVING BRIDGE FLOORS
479.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************
		(33+52.00-L-)
212,802	LB	REINFORCING STEEL (BRIDGE)
52,700	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
3,653.33	LF	54" PRESTRESSED CONCRETE GIR- DERS
715	LF	HP12X53 STEEL PILES
1,825.33	LF	TWO BAR METAL RAIL
1,840.33	LF	1'-**"X *****" CONCRETE PARA- PET (1'-2" X 2'-6")
1,020	TON	RIP RAP CLASS II (2'-0" THICK)
1,130	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM AT STA*********************************

Page: 5 of 26

L070515 004

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201550 34407.2.3 DIV OFFICE WILMINGTON LENGTH = 4.520 MI

COUNTY : BRUNSWICK

GRADING, DRAINAGE, PAVING, SIGNALS, & STRUCTURES.

DBE GOAL 6.0% COMPLETION DATE: DEC 31 2009

NEW ROUTE FROM SR-1104 (BEACH DRIVE) TO NC-211 (2ND BRIDGE TO OAK ISLAND).

		ROADWAY ITEMS	650	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C
			25,500	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
Lump Sum	LS LS	MOBILIZATION GENERIC MISCELLANEOUS ITEM	2,325	TON	ASPHALT CONC SURFACE COURSE,
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM CONSTRUCTION SURVEYING (ICW STRUCTURE ONLY)	2,670	TON	TYPE S9.5C ASPHALT BINDER FOR PLANT MIX,
75	TON	GENERIC MISCELLANEOUS ITEM DISPOSAL OF CONTAMINATED SOIL	155	TON	GRADE PG 64-22 ASPHALT BINDER FOR PLANT MIX,
Lump Sum	LS	CLEARING & GRUBBING ACRE(S)	545	TON	GRADE PG 70-22 ASPHALT PLANT MIX, PAVEMENT
3	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	68	CY	REPAIR SUBDRAIN EXCAVATION
4,700	CY	UNCLASSIFIED EXCAVATION	34	CY	SUBDRAIN FINE AGGREGATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***********	200	LF	6" PERFORATED SUBDRAIN PIPE
		(21+50.00-L-)	6	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************	1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
43,177	CY	(58+00.00-L-) UNDERCUT EXCAVATION	6	LF	6" OUTLET PIPE (SUBDRAINS)
1,000	TON	CLASS IV SUBGRADE STABILIZA-	24.4	CY	ENDWALLS
,		TION	7.9	CY	REINFORCED ENDWALLS
670,500	CY	BORROW EXCAVATION	72	EA	MASONRY DRAINAGE STRUCTURES
5,293	CY	DRAINAGE DITCH EXCAVATION	23	CY	MASONRY DRAINAGE STRUCTURES
4,900	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT	44	EA	FRAME WITH TWO GRATES, STD 840.16
3,100	SY	BREAKING OF EXISTING ASPHALT PAVEMENT	5	EA	FRAME WITH TWO GRATES, STD 840.22
34	HR	PROOF ROLLING	22	EA	FRAME WITH TWO GRATES, STD
54,000	CY	SELECT GRANULAR MATERIAL		Б.	840.29
1,000	SY	FABRIC FOR SOIL STABILIZATION	1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
18,350	SF	TEMPORARY SHORING			(F)
3,500	CY	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III	7	EA	FRAME WITH COVER, STD 840.54
9,000	SY	GENERIC GRADING ITEM FABRIC FOR REINFORCED SLOPE	Lump Sum	LS	GENERIC DRAINAGE ITEM ALUMINUM ENDWALLS FOR FIVE
1,415	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	Lump Sum	LS	PIPE CULVERT GENERIC DRAINAGE ITEM ALLIMINUM ENTRALLES FOR FOUR
84	LF	15" SIDE DRAIN PIPE			ALUMINUM ENDWALLS FOR FOUR PIPE CULVERT
68	LF	18" SIDE DRAIN PIPE	275	LF	**"X **" CONCRETE CURB
20	LF	12" RC PIPE CULVERTS, CLASS III	7,875	LF	(8" X 18") **'-**" CONCRETE CURB & GUTTER
4,780	LF	15" RC PIPE CULVERTS, CLASS III			(2'- 9")
392	LF	18" RC PIPE CULVERTS, CLASS	24,375 410	LF LF	1'-6" CONCRETE CURB & GUTTER 2'-6" CONCRETE CURB & GUTTER
17.0		III	1,600	LF	SHOULDER BERM GUTTER
176	LF	24" RC PIPE CULVERTS, CLASS III	1,075	SY	4" CONCRETE SIDEWALK
1,392	LF	42" RC PIPE CULVERTS, CLASS	4 1,800	EA SY	CONCRETE WHEELCHAIR RAMPS 5" MONOLITHIC CONCRETE ISLANDS
2,920	LF	III 48" RC PIPE CULVERTS, CLASS			(SURFACE MOUNTED)
54	LF	III 54" RC PIPE CULVERTS, CLASS	1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
368	LF	III 60" RC PIPE CULVERTS, CLASS	2,850 62.5	LF LF	STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP
		III	10	EA	CURVED ADDITIONAL GUARDRAIL POSTS
144	LF	***" HDPE PIPE CULVERTS (15")	1	EA	GUARDRAIL ANCHOR UNITS, TYPE
1,008	LF	**" X **" CAA STRUCTURAL PLATE PIPE ARCH, *****" THICK	8	EA	AT-1 GUARDRAIL ANCHOR UNITS, TYPE
170.8	LF	(60" x 46", 0.109") GENERIC PIPE ITEM	11	EA	III GUARDRAIL ANCHOR UNITS, TYPE
		STORM CHAMBER			350
6	EA	GENERIC PIPE ITEM 15" HDPE PIPE ELBOWS	337.5	LF	REMOVE & RESET EXISTING GUARD- RAIL
372	LF	PIPE REMOVAL	40,600	LF	WOVEN WIRE FENCE, 47" FABRIC
Lump Sum	LS	FINE GRADING	2,650	EA	4" TIMBER FENCE POSTS, 7'-6"
16,000	TON	STABILIZER AGGREGATE			LONG
73,000	TON	AGGREGATE BASE COURSE	520	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
		INCIDENTAL STONE BASE	3,700	LF	CHAIN LINK FENCE, 48" FABRIC
1,330	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH	310	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
500	SY	(2-1/2") INCIDENTAL MILLING	25	EA	METAL TERMINAL POSTS FOR 48"
1,300	TON	ASPHALT CONC BASE COURSE, TYPE			CHAIN LINK FENCE
		ASPHALT CONC BASE COURSE, TYPE	10	EA	METAL GATE POSTS FOR **" CHAIN LINK FENCE, SINGLE GATE
		B25.0C	100	LF	(48") ADDITIONAL BARBED WIRE
17,700	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	100		

			196	LF	ABANDON 6" UTILITY PIPE
			2,096	LF	ABANDON 8" UTILITY PIPE
			2,123	LF	ABANDON 12" UTILITY PIPE
5	EA	SINGLE GATES, **" HIGH, **' WIDE, **' OPENING	275 450	LF LF	ABANDON 14" UTILITY PIPE TRENCHLESS INSTALLATION OF 12"
		(48" HIGH, 12' WIDE, 12' OPEN)	430	Li	IN SOIL
4	EA	SINGLE GATES, **" HIGH, **'	47,000	LF	TEMPORARY SILT FENCE
		WIDE, **' OPENING (48" HIGH, 16' WIDE, 16' OPEN)	550	TON	STONE FOR EROSION CONTROL, CLASS A
1	EA	DOUBLE GATES, **" HIGH, **'	5,040	TON	STONE FOR EROSION CONTROL,
		WIDE, **' OPENING (48" HIGH, 10' WIDE, 20' OPEN)	2 120	TON	CLASS B SEDIMENT CONTROL STONE
125	TON	RIP RAP, CLASS I	3,120 40	ACR	TEMPORARY MULCHING
1,610	TON	RIP RAP, CLASS II	1,350	LB	SEED FOR TEMPORARY SEEDING
65 4,020	TON SY	RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE	5.5	TON	FERTILIZER FOR TEMPORARY SEED- ING
1	EA	PREFORMED SCOUR HOLES WITH	2,650	LF	TEMPORARY SLOPE DRAINS
1 210	LE	LEVEL SPREADER APRON	87	EA	INLET PROTECTION AT TEMPORARY
1,310 6	LF EA	SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE D	17,930	LF	SLOPE DRAINS SAFETY FENCE
56	EA	SIGN ERECTION, TYPE E	7,755	CY	SILT EXCAVATION
6	EA	SIGN ERECTION, TYPE F	5,000	SY	MATTING FOR EROSION CONTROL
19	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	10 350	SY SY	COIR FIBER MAT PERMANENT SOIL REINFORCEMENT
1,096	SF	WORK ZONE SIGNS (STATIONARY)	330	31	MAT
552	SF	WORK ZONE SIGNS (PORTABLE)	5,400	LF	1/4" HARDWARE CLOTH
210	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	130	LF	**" TEMPORARY PIPE (24")
2	EA	FLASHING ARROW PANELS, TYPE C	175	SY	FLOATING TURBIDITY CURTAIN
430	EA EA	CHANGEABLE MESSAGE SIGN DRUMS	300	CY	STILLING BASINS
430	EA	CONES	32 140	EA LF	SPECIAL STILLING BASINS COIR FIBER BAFFLES
376	LF	BARRICADES (TYPE III)	1	EA	**" SKIMMER
10,000	HR	FLAGGER	92	A CID	(2")
8 2	EA EA	TEMPORARY CRASH CUSHIONS RESET TEMPORARY CRASH CUSHIONS	82 22.5	ACR ACR	SEEDING & MULCHING MOWING
2	EA	TMIA	350	LB	SEED FOR REPAIR SEEDING
670	LF	PORTABLE CONCRETE BARRIER	0.75	TON	FERTILIZER FOR REPAIR SEEDING
220	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)	900 61.25	LB TON	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING
400	LF	RESET PORTABLE CONCRETE BAR-	30	LF	IMPERVIOUS DIKE
200	IID	RIER	7.5	HR	SPECIALIZED HAND MOWING
200 84	HR EA	POLICE SKINNY DRUM	36	EA	RESPONSE FOR EROSION CONTROL
623	EA	TEMPORARY RAISED PAVEMENT	0.5 2,264	ACR LF	REFORESTATION SIGNAL CABLE
652	LF	MARKERS COLD APPLIED PLASTIC PAVEMENT	8	EA	VEHICLE SIGNAL HEAD (12", 3
032	LI	MARKING LINES, TYPE ** (4")	471	LF	SECTION) MESSENGER CABLE (3/8")
197,322	LF	(4) PAINT PAVEMENT MARKING LINES	189	LF	PAVED TRENCHING (********)
177,322	Li	(4")	2,299	LF	(1, 2") UNPAVED TRENCHING (********)
340	LF	PAINT PAVEMENT MARKING LINES (8")	482	LF	(1, 2") DIRECTIONAL DRILL (********)
1,740	LF	PAINT PAVEMENT MARKING LINES (24")			(2, 2")
16	EA	PAINT PAVEMENT MARKING CHARAC- TER	19 5	EA EA	JUNCTION BOX (STANDARD SIZE) WOOD POLE
122	EA	PAINT PAVEMENT MARKING SYMBOL	8	EA	GUY ASSEMBLY
95,764	LF	POLYUREA PAVEMENT MARKING	1	EA EA	1" RISER WITH WEATHERHEAD 2" RISER WITH WEATHERHEAD
		LINES (4", *********) (STANDARD GLASS BEADS)	6 3,331	LF	INDUCTIVE LOOP SAWCUT
74	LF	POLYUREA PAVEMENT MARKING	4,820	LF	LEAD-IN CABLE (*********)
		LINES (8", *********) (STANDARD GLASS BEADS)	120	LF	(18-2) LEAD-IN CABLE (*************)
418	LF	POLYUREA PAVEMENT MARKING	120	LI	(18-4)
		LINES (24", *********) (STANDARD GLASS BEADS)	2	EA	MICROWAVE VEHICLE DETECTOR
16	EA	POLYUREA PAVEMENT MARKING	8	EA	METAL POLE WITH SINGLE MAST ARM
		CHARACTER (*********) (STANDARD GLASS BEADS)	8	EA	SOIL TEST
76	EA	POLYUREA PAVEMENT MARKING	60	CY	DRILLED PIER FOUNDATION
		SYMBOL (********) (STANDARD GLASS BEADS)	8	EA	MAST ARM WITH METAL POLE DE- SIGN
3,119	LF	REMOVAL OF PAVEMENT MARKING	2	EA	SIGN FOR SIGNALS
84	LF	LINES (4") REMOVAL OF PAVEMENT MARKING	2 2	EA EA	SIGNAL CABINET FOUNDATION CABINET BASE ADAPTER
64	LF	LINES (8")	2 2	EA	CONTROLLER WITH CABINET (TYPE
86	LF	REMOVAL OF PAVEMENT MARKING			2070L, BASE MOUNTED)
3	EA	LINES (24") REMOVAL OF PAVEMENT MARKING	12 14	EA EA	DETECTOR CARD (TYPE 2070L) GENERIC SIGNAL ITEM
		SYMBOLS & CHARACTERS	14	LA	POLYCARBONATE VEHICLE SIGNAL
27	EA	PERMANENT RAISED PAVEMENT MARKERS	2	EA	HEAD, (12", 3 SECT) GENERIC SIGNAL ITEM
888	EA	SNOWPLOWABLE PAVEMENT MARKERS	2	LA	POLYCARBONATE VEHICLE SIGNAL
248	LF	**" WATER LINE			HEAD, (12", 5 SECT)
270	LF	(14") 4" WATER LINE			
55	LF	8" WATER LINE			CIII VEDT ITEMS
4,660	LF	12" WATER LINE			CULVERT ITEMS
2	EA EA	4" VALVE 8" VALVE			
11	EA	12" VALVE	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (23+98.00 -Y7-)
21	EA	RECONNECT WATER METER	47	TON	FOUNDATION CONDITIONING MATER-
8	EA	RELOCATE FIRE HYDRANT			IAL, BOX CULVERT

90.8 CY CLASS A CONCRETE (CULVERT) 11,529 LB EPOXY COATED REINFORCING STEEL (CULVERT)

WALL ITEMS

Lump Sum LS GENERIC RETAINING WALL ITEM REMOVAL OF EXISTING STRUCTURES AT STA 56+40.47 -L
1,976 SF GENERIC STRUCTURE ITEM STEEL SHEET PILE BULKHEAD

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
Lump Sum	LS	(58+00.00 -L-) REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
1,264	LF	**'-**" DIA DRILLED PIERS (6'-0")
336.52	LF	PERMANENT STEEL CASING FOR **'.**" DIA DRILLED PIER (6'-0")
16	EA	SID INSPECTION
16	EA	SPT TESTING
4	EA	CROSSHOLE SONIC LOGGING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ************************************
16,845	SF	REINFORCED CONCRETE DECK SLAB
49,701	SF	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)
6,595	SF	CONCRETE WEARING SURFACE
64,672	SF	GROOVING BRIDGE FLOORS
1.833.2	CY	CLASS AA CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(21+50.00 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(58+00.00 -L-)
547,913	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
49,670	LB	EPOXY COATED SPIRAL COLUMN RE- INFORCING STEEL (BRIDGE)
53,300	LS	APPROX LBS STRUCTURAL STEEL
1,280	LF	16" PRESTRESSED CONC PILES
9,400	LF	HP12X53 STEEL PILES
2,254.41	LF	TWO BAR METAL RAIL
2,119.54	LF	1'-**"X *****" CONCRETE PARA- PET
164.00		(1'-2" X 2'-6")
164.88	LF	1'-**"X *****" CONCRETE PARA- PET (1'-2" X 3'-1-1/2")
1,660	SY	4" SLOPE PROTECTION
1,549	TON	RIP RAP CLASS II (2'-0" THICK)
1,715	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	SOLAR ARRAY SUPPORT PLATFORM
2,634	LF	3'-0" X 1'-9" PRESTRESSED CONC
		CORED SLABS
Lump Sum	LS	GENERIC STRUCTURE ITEM POST-TENSIONING TENDONS
5,768	LF	GENERIC STRUCTURE ITEM 78" POST-TENSIONED PRESTRESSED CONCRETE GIRDERS
1,972	LF	GENERIC STRUCTURE ITEM 78" PRESTRESSED CONCRETE GIRDE RS

Page: 8 of 26

L070515 005

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201640 33610.3.1 DIV OFFICE WILMINGTON LENGTH = 0.161 MI

COUNTY : SAMPSON

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE: NOV 15 2007

BRIDGE OVER LITTLE COHAIRE CREEK & APPROACHES ON SR-1214.

ROADWAY ITEMS

2 HR SPECIALIZED HAND MOWING
 8 EA RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

		ROADWAY ITEMS				STRUCTURE ITEMS
Lump Sum	LS	MOBILIZATION	Lu	amp Sum	LS	REMOVAL OF EXISTING STRUCTURE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION **********				AT STATION ************************************
		(17+81.43-L-)	Lu	ump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-
Lump Sum	LS	GRADING				TION AT STATION *******
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	Le	amp Sum	LS	(17+81.43 -L-) BRIDGE APPROACH SLABS, STATION
200	CY	BING UNDERCUT EXCAVATION	Et	amp Sum	Lo	*********
25	CY	DRAINAGE DITCH EXCAVATION				(17+81.43 -L-)
100	CY	SELECT GRANULAR MATERIAL		720	LF	HP12X53 STEEL PILES HP14X73 GALVANIZED STEEL PILES
100	SY	FABRIC FOR SOIL STABILIZATION		600 267	LF TON	RIP RAP CLASS II (2'-0" THICK)
52	LF	15" RC PIPE CULVERTS, CLASS III	Lu	ump Sum	LS	CONSTRUCTION OF SUBSTRUCTURE
680	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		ump Sum	LS	CONSTRUCTION OF SUPERSTRUCTURE
410	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A				
60	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22				
22.4	CY	SUBDRAIN EXCAVATION				
16.8	CY	SUBDRAIN FINE AGGREGATE				
100	LF	6" PERFORATED SUBDRAIN PIPE				
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS				
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET				
6 2	LF EA	6" OUTLET PIPE (SUBDRAINS) MASONRY DRAINAGE STRUCTURES				
2	EA	FRAME WITH GRATE, STD 840.29				
60	LF	SHOULDER BERM GUTTER				
600	LF	STEEL BM GUARDRAIL				
5	EA	ADDITIONAL GUARDRAIL POSTS				
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III				
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350				
35	TON	RIP RAP, CLASS B				
240	SY	FILTER FABRIC FOR DRAINAGE				
256	SF	WORK ZONE SIGNS (STATIONARY)				
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)				
7 200	LF	BARRICADES (TYPE III)				
7,200	LF	PAINT PAVEMENT MARKING LINES (4")				
20	EA	PERMANENT RAISED PAVEMENT MARKERS				
985	LF	TEMPORARY SILT FENCE				
50	TON	STONE FOR EROSION CONTROL, CLASS A				
90	TON	STONE FOR EROSION CONTROL, CLASS B				
40	TON	SEDIMENT CONTROL STONE				
1	ACR	TEMPORARY MULCHING				
50	LB	SEED FOR TEMPORARY SEEDING				
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING				
50	LF	TEMPORARY SLOPE DRAINS				
2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS				
250	LF	SAFETY FENCE				
320	CY	SILT EXCAVATION				
455	SY	MATTING FOR EROSION CONTROL				
40 230	LF LF	1/4" HARDWARE CLOTH COIR FIBER BAFFLES				
	ACR	SEEDING & MULCHING				
0.5	ACR	MOWING				
50	LB	SEED FOR REPAIR SEEDING				
0.25	TON	FERTILIZER FOR REPAIR SEEDING				
50	LB	SEED FOR SUPPLEMENTAL SEEDING				
0.75	TON HR	FERTILIZER TOPDRESSING SPECIALIZED HAND MOWING				

Page: 9 of 26

L070515 006

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201794 33073.3.1 DIV OFFICE WILSON LENGTH = 0.606 MI

COUNTY : EDGECOMBE, HALIFAX

GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE: AUG 01 2009

BRIDGES OVER FISHING CREEK & OVERFLOW AND APPROACHES ON US-301.

		ROADWAY ITEMS	2,150 2	LF EA	STEEL BM GUARDRAIL STEEL BM GUARDRAIL TERMINAL SECTIONS
		MODEL VILLEYON	10	EA	ADDITIONAL GUARDRAIL POSTS
Lump Sum	LS	MOBILIZATION	8	EA	GUARDRAIL ANCHOR UNITS, TYPE
Lump Sum 1	LS ACR	CLEARING & GRUBBING ACRE(S) SUPPLEMENTARY CLEARING & GRUB-			III
•		BING	6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2,100	CY	UNCLASSIFIED EXCAVATION	570	LF	REMOVE EXISTING GUARDRAIL
Lump Sum	LS	REINFORCED BRIDGE APPROACH	2,300	TON	PLAIN RIP RAP, CLASS II
		FILL, STATION ************************************	13	TON	PLAIN RIP RAP, CLASS B
Lump Sum	LS	REINFORCED BRIDGE APPROACH	4,071	SY	FILTER FABRIC FOR DRAINAGE
r		FILL, STATION *********	2	EA	PREFORMED SCOUR HOLES WITH
		(29+15.00)			LEVEL SPREADER APRON
4,000	CY	UNDERCUT EXCAVATION	151	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
31,100	CY	BORROW EXCAVATION	36 5	LF EA	SUPPORTS, WOOD SIGN ERECTION, TYPE D
4 180	EA CY	EMBANKMENT SETTLEMENT GAUGES DRAINAGE DITCH EXCAVATION	2	EA	SIGN ERECTION, TYPE E
7,550	SY	REMOVAL OF EXISTING ASPHALT	1	EA	SIGN ERECTION, TYPE ***
.,		PAVEMENT			(GROUND MOUNTED)
13,400	CY	SELECT GRANULAR MATERIAL			(A)
3,000	SY	FABRIC FOR SOIL STABILIZATION	2	EA	RELOCATE SIGN, TYPE ***** (E)
3,000	SF	TEMPORARY SHORING	1	EA	DISPOSAL OF SUPPORT, WOOD
1,200	TON	SELECT MATERIAL, CLASS *****	18	EA	DISPOSAL OF SIGN SYSTEM, U-
62	TON	(VI) FOUNDATION CONDITIONING MATE-			CHANNEL
02	ION	RIAL, MINOR STRS	4	EA	DISPOSAL OF SIGN SYSTEM, WOOD
140	LF	18" SIDE DRAIN PIPE	1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
72	LF	15" RC PIPE CULVERTS, CLASS	104	SF	WORK ZONE SIGNS (STATIONARY)
		III	192	SF	WORK ZONE SIGNS (PORTABLE)
64	LF	18" RC PIPE CULVERTS, CLASS III	20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
112	LF	24" RC PIPE CULVERTS, CLASS	2	EA	WARNING FLAG SETS
112	ш	III	129	EA	DRUMS
190	LF	15" BIT COAT CS PIPE CULVERTS,	100	EA	CONES
		TYPE B 0.064" THICK	48	LF	BARRICADES (TYPE III)
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	160	HR	FLAGGER
132	LF	**" WELDED STEEL PIPE, *****"	4	EA	TEMPORARY CRASH CUSHIONS
152		THICK, GRADE B, INSTALLED BY	3	EA	RESET TEMPORARY CRASH CUSHIONS
		BORING & JACKING	246	LF LF	PORTABLE CONCRETE BARRIER
156	LF	(18", 0.500") PIPE REMOVAL	463	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
3	EA	PIPE CLEAN-OUT	1,606	LF	PORTABLE CONCRETE BARRIER
Lump Sum	LS	FINE GRADING			(DRAINAGE)
400	TON	AGGREGATE BASE COURSE	1,852	LF	REMOVABLE TAPE PAVEMENT MARK-
200	TON	INCIDENTAL STONE BASE	194	EA	ING LINES (4") TEMPORARY RAISED PAVEMENT
350	SY	INCIDENTAL MILLING	1)4	LA	MARKERS
1,790	TON	ASPHALT CONC BASE COURSE, TYPE	5,474	LF	THERMOPLASTIC PAVEMENT MARKING
1,990	TON	B25.0C ASPHALT CONC INTERMEDIATE			LINES (4", 90 MILS)
1,990	TON	COURSE, TYPE 119.0C	7,039	LF	THERMOPLASTIC PAVEMENT MARKING
1,590	TON	ASPHALT CONC SURFACE COURSE,	76	LF	LINES (4", 120 MILS) THERMOPLASTIC PAVEMENT MARKING
		TYPE S9.5C	70	Li	LINES (8", 90 MILS)
171	TON	ASPHALT BINDER FOR PLANT MIX,	1	EA	THERMOPLASTIC PAVEMENT MARKING
96	TON	GRADE PG 64-22 ASPHALT BINDER FOR PLANT MIX,			SYMBOL (90 MILS)
70	1011	GRADE PG 70-22	22,095	LF	PAINT PAVEMENT MARKING LINES (4")
23	EA	RIGHT OF WAY MARKERS	1,852	LF	POLYUREA PAVEMENT MARKING
45	CY	SUBDRAIN EXCAVATION	-,		LINES (4")
34	CY	SUBDRAIN FINE AGGREGATE	97	EA	PERMANENT RAISED PAVEMENT
200	LF	6" PERFORATED SUBDRAIN PIPE			MARKERS
6	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	5,725	LF	TEMPORARY SILT FENCE
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	150	ION	STONE FOR EROSION CONTROL, CLASS A
•		OUTLET	375	TON	STONE FOR EROSION CONTROL,
6	LF	6" OUTLET PIPE (SUBDRAINS)			CLASS B
1.105	CY	PIPE COLLARS			SEDIMENT CONTROL STONE
0.13	CY	PIPE PLUGS			TEMPORARY MULCHING
55	CY	FLOWABLE FILL	300	LB	SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-
10	EA LF	MASONRY DRAINAGE STRUCTURES MASONRY DRAINAGE STRUCTURES	1.25	ION	ING
1	EA	FRAME WITH GRATE, STD 840.24	50	LF	TEMPORARY SLOPE DRAINS
1	EA	FRAME WITH TWO GRATES, STD	2	EA	INLET PROTECTION AT TEMPORARY
1 9		840.29			SLOPE DRAINS
1 9			4,000	LF	SAFETY FENCE
	EA	CONCRETE APRON FOR DROP INLETS			
9	EA LF	CONCRETE APRON FOR DROP INLETS SHOULDER BERM GUTTER	1,870	CY	SILT EXCAVATION
9					

Page: 10 of 26

12 EA SPECIAL STILLING BASINS
9.5 ACR SEEDING & MULCHING
5 ACR MOWING
100 LB SEED FOR REPAIR SEEDING
0.25 TON FERTILIZER FOR REPAIR SEEDING
200 LB SEED FOR SUPPLEMENTAL SEEDING
7.25 TON FERTILIZER TOPDRESSING
5 HR SPECIALIZED HAND MOWING
8 EA GENERIC EROSION CONTROL ITEM RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
		(20+32.50 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
83.97	LF	4'-0" DIA DRILLED PIERS IN SO IL
49.7	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
87.65	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
2	EA	SID INSPECTION
2	EA	CROSSHOLE SONIC LOGGING
1,630	CY	UNCLASSIFIED STRUCTURE EXCAVA-
15,678	SF	REINFORCED CONCRETE DECK SLAB
16,822	SF	GROOVING BRIDGE FLOORS
208.6	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(20+32.50 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(29+15.00 -L-)
47,258	LB	REINFORCING STEEL (BRIDGE)
5,400	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,347.5	LF	45" PRESTRESSED CONCRETE GIR- DERS
197,900	LS	APPROX LBS STRUCTURAL STEEL
1,210	LF	HP12X53 STEEL PILES
630	LF	HP14X73 STEEL PILES
Lump Sum	LS	GALVANIZING STEEL PILES AT STA *********
		(29+15.00 -L-)
725	LF	CONCRETE BARRIER RAIL
928	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
1,030	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

Page: 11 of 26

L070515 007

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201637 33098.3.2 DIV OFFICE WILSON LENGTH = 0.218 MI

: JOHNSTON

GRADING, DRAINAGE, PAVING & STRUCTURE.

175 TON STONE FOR EROSION CONTROL, CLASS B 325 TON SEDIMENT CONTROL STONE 3 ACR TEMPORARY MULCHING 100 LB SEED FOR TEMPORARY SEEDING 0.5 TON FERTILIZER FOR TEMPORARY SEEDING
ING TEMPORARY SLOPE DRAINS

SLOPE DRAINS

INLET PROTECTION AT TEMPORARY

125 LF

3 EA

DBE GOAL 6.0% COMPLETION DATE: MAR 31 2008

BRIDGE OVER LITTLE RIVER & APPROACHES ON NC-96.

		ROADWAY ITEMS	300	LF	SAFETY FENCE
		None will likely	840	CY	SILT EXCAVATION
			1,600	SY	MATTING FOR EROSION CONTROL
Lump Sum	LS	MOBILIZATION	30	SY	COIR FIBER MAT
Lump Sum	LS	CONSTRUCTION SURVEYING	927	SY	PERMANENT SOIL REINFORCEMENT MAT
Lump Sum	LS	REINFORCED BRIDGE APPROACH	375	LF	1/4" HARDWARE CLOTH
		FILL, STATION ************************************	8	EA	SPECIAL STILLING BASINS
Lump Sum	LS	GRADING	225	LF	COIR FIBER BAFFLES
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	4	EA	**" SKIMMER
		BING			(2")
10	TON	FOUNDATION CONDITIONING MATE-	3		SEEDING & MULCHING
5.0		RIAL, MINOR STRS	2	ACR	MOWING
56	LF	15" RC PIPE CULVERTS, CLASS	50	LB	SEED FOR REPAIR SEEDING
28	LF	18" BIT COAT CS PIPE CULVERTS,	0.25 75	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING
		TYPE B 0.064" THICK	2.25	TON	FERTILIZER TOPDRESSING
2	EA	18" BIT COAT CS PIPE ELBOWS, T	2.23	HR	SPECIALIZED HAND MOWING
610	TON	YPE B 0.064" THICK	- 8	EA	RESPONSE FOR EROSION CONTROL
610	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	0.1	ACR	REFORESTATION
390	TON	ASPHALT CONC INTERMEDIATE			
		COURSE, TYPE I19.0B			
525	TON	ASPHALT CONC SURFACE COURSE,			STRUCTURE ITEMS
	TON	TYPE S9.5B			STRUCTURE ITEMS
77	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
50	TON	ASPHALT PLANT MIX, PAVEMENT	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
		REPAIR	•		REMOVAL OF TEMP ACCESS AT STA
14	EA	RIGHT OF WAY MARKERS			**************************************
3	EA	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	(19+25.00 -L-) REMOVAL OF EXISTING STRUCTURE
3	EA	FRAME WITH TWO GRATES, STD	Eurip Sun	Lo	AT STATION *********
60	LF	840.29 SHOULDER BERM GUTTER			(19+25.00 -L-)
625	LF	STEEL BM GUARDRAIL	55.68	LF	3'-6" DIA DRILLED PIERS IN
10	EA	ADDITIONAL GUARDRAIL POSTS	27	LF	SOIL 3'-6" DIA DRILLED PIERS NOT IN
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	21	LI.	SOIL
		350	53.4	LF	PERMANENT STEEL CASING FOR
4	EA	GUARDRAIL ANCHOR UNITS, TYPE			3'-6" DIA DRILLED PIER
310	LF	B-77 WOVEN WIRE FENCE RESET	1	EA	SID INSPECTION
50	LF	GENERIC FENCING ITEM	1	EA	CROSSHOLE SONIC LOGGING
		2-STRAND ELECTRIC FENCE RESET	650	CY	UNCLASSIFIED STRUCTURE EXCAVA- TION
68	TON	RIP RAP, CLASS B	7,850	SF	REINFORCED CONCRETE DECK SLAB
927	SY	FILTER FABRIC FOR DRAINAGE	7,482	SF	GROOVING BRIDGE FLOORS
1	EA	PREFORMED SCOUR HOLES WITH	90.3	CY	CLASS A CONCRETE (BRIDGE)
14.6	SF	LEVEL SPREADER APRON CONTRACTOR FURNISHED, TYPE ***	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
14.0	51	SIGN			**************************************
		(D)	26,454	LB	REINFORCING STEEL (BRIDGE)
67	LF	SUPPORTS, 3-LB STEEL U-CHANNEL	2,582	LB	SPIRAL COLUMN REINFORCING
2	EA	SIGN ERECTION, TYPE D			STEEL (BRIDGE)
7	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	786	LF	54" PRESTRESSED CONCRETE GIR-
684	SF	WORK ZONE SIGNS (STATIONARY)	350	LF	DERS HP12X53 STEEL PILES
174	SF	WORK ZONE SIGNS (BARRICADE	396.67	LF	CONCRETE BARRIER RAIL
		MOUNTED)			RIP RAP CLASS II (2'-0" THICK)
128	LF	BARRICADES (TYPE III)	794	SY	FILTER FABRIC FOR DRAINAGE
1,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	Lump Sum	LS	ELASTOMERIC BEARINGS
1,900	LF	THERMOPLASTIC PAVEMENT MARKING	Lump Sum	LS	EVAZOTE JOINT SEALS
1,,,00		LINES (4", 120 MILS)			
800	LF	COLD APPLIED PLASTIC PAVEMENT			
		MARKING LINES, TYPE ** (4")			
15	EA	(1) PERMANENT RAISED PAVEMENT			
13	LA	MARKERS			
430	LF	TEMPORARY SILT FENCE			
150	TON	STONE FOR EROSION CONTROL,			
175	TON	CLASS A			

Page: 12 of 26

L070515 008

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201491 33320.3.1 DIV OFFICE WILSON LENGTH = 0.341 MI

COUNTY : NASH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE: DEC 31 2008

BRIDGE OVER PIG BASKET CREEK & APPROACHES ON SR-1004.

ROADWAY ITEMS

Lump Sum LS MOBILIZATION

Lump Sum LS GENERIC MISCELLANEOUS ITEM ROADWAY CONSTRUCTION

STRUCTURE ITEMS

Lump Sum LS REMOVAL OF EXISTING STRUCTURE

AT STATION ***

(22+03.60-L-) Lump Sum LS BRIDGE APPROACH SLABS, STATION

(22+03.60-L-) 280 LF HP12X53 STEEL PILES

280 LF HP14X73 GALVANIZED STEEL PILES 16 EA STEEL PILE POINTS

486 TON RIP RAP CLASS II (2'-0" THICK)
Lump Sum LS CONSTRUCTION OF SUBSTRUCTURE

Lump Sum LS CONSTRUCTION OF SUPERSTRUCTURE

Page: 13 of 26

L070515 009

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201547 33466.3.1 DIV OFFICE WILSON LENGTH = 0.170 MI

COUNTY : EDGECOMBE

GRADING, DRAINAGE, PAVING & STRUCTURE.

ROADWAY ITEMS

DBE GOAL 5.0% COMPLETION DATE: DEC 31 2007

150 TON STONE FOR EROSION CONTROL, CLASS A

BRIDGE OVER COKEY SWAMP AND APPROACHES ON SR-1135.

		NOME WITH THE MIS			CLASS A
			75	TON	STONE FOR EROSION CONTROL,
					CLASS B
Lump Sum	LS	MOBILIZATION	35	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
		(16+21.50)	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
Lump Sum	LS	GRADING			ING
			50	LF	TEMPORARY SLOPE DRAINS
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	2	EA	INLET PROTECTION AT TEMPORARY
		BING	2	LA	SLOPE DRAINS
200	CY	UNDERCUT EXCAVATION	250		
30	CY	DRAINAGE DITCH EXCAVATION	250	LF	SAFETY FENCE
100	SY	FABRIC FOR SOIL STABILIZATION	315	CY	SILT EXCAVATION
			175	SY	MATTING FOR EROSION CONTROL
100	CY	GENERIC GRADING ITEM	20	SY	COIR FIBER MAT
		SELECT GRANULAR MATERIAL,	40	LF	
		CLASS III			1/4" HARDWARE CLOTH
20.3	TON	FOUNDATION CONDITIONING MATE-	150	SY	FLOATING TURBIDITY CURTAIN
		RIAL, MINOR STRS	40	LF	COIR FIBER BAFFLES
28	LF	15" SIDE DRAIN PIPE	3	EA	**" SKIMMER
88	LF	15" RC PIPE CULVERTS, CLASS			(2")
		III	1	ACR	SEEDING & MULCHING
29	LF	PIPE REMOVAL			
			0.5	ACR	MOWING
300	TON	ASPHALT CONC BASE COURSE, TYPE	50	LB	SEED FOR REPAIR SEEDING
		B25.0B	0.25	TON	FERTILIZER FOR REPAIR SEEDING
411	TON	ASPHALT CONC SURFACE COURSE,	50	LB	SEED FOR SUPPLEMENTAL SEEDING
		TYPE SF9.5A			
40	TON	ASPHALT BINDER FOR PLANT MIX,	0.75	TON	FERTILIZER TOPDRESSING
.0		GRADE PG 64-22	2	HR	SPECIALIZED HAND MOWING
12	TON		8	EA	RESPONSE FOR EROSION CONTROL
13	TON	ASPHALT PLANT MIX, PAVEMENT	0.1	ACR	REFORESTATION
		REPAIR	0.1	nen	KEI OKESTATION
17	EA	RIGHT OF WAY MARKERS			
23	CY	SUBDRAIN EXCAVATION			
17	CY	SUBDRAIN FINE AGGREGATE			
					STRUCTURE ITEMS
100	LF	6" PERFORATED SUBDRAIN PIPE			
3	EA	6" SUBDRAIN PIPE WYES, TEES, &			
		ELBOWS		T C	DEMONAL OF EVICENIC CERTICELINE
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
		OUTLET			AT STATION ********
	IE	6" OUTLET DIDE (CUDDE AINC)			(16+21.50 -L-)
6	LF	6" OUTLET PIPE (SUBDRAINS)	1	EA	PDA TESTING
6 2	LF EA	6" OUTLET PIPE (SUBDRAINS) MASONRY DRAINAGE STRUCTURES	1	EA EA	PDA TESTING
			1	EA	PDA TESTING PDA ASSISTANCE
2	EA	MASONRY DRAINAGE STRUCTURES			PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA-
2	EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD	1 800	EA CY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION
2 2 81	EA EA LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER	1 800 47.2	EA CY CY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE)
2 2 81 550	EA EA LF LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL	1 800	EA CY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
2 2 81 550 5	EA EA LF LF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS	1 800 47.2	EA CY CY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550	EA EA LF LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE	1 800 47.2	EA CY CY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
2 2 81 550 5	EA EA LF LF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS	1 800 47.2	EA CY CY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5	EA EA LF LF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE	1 800 47.2 Lump Sum 7,810	EA CY CY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4	EA EA LF LF EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350	1 800 47.2 Lump Sum 7,810 720	EA CY CY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4	EA EA LF LF EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77	1 800 47.2 Lump Sum 7,810 720 600	EA CY CY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4	EA EA LF LF EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B	1 800 47.2 Lump Sum 7,810 720	EA CY CY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410	EA EA LF LF EA EA TON SY	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE	1 800 47.2 Lump Sum 7,810 720 600	EA CY CY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4	EA EA LF LF EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE ***	1 800 47.2 Lump Sum 7,810 720 600 6	EA CY CY LS LB LF LF EA LF	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410	EA EA LF LF EA EA TON SY	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN	1 800 47.2 Lump Sum 7,810 720 600 6 265 305	EA CY CY LS LB LF LF EA LF TON	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************** (16+21.50 - L-) REINFORCING STEEL (BRIDGE) HP12X53 STEEL PILES HP14X73 GALVANIZED STEEL PILES PILE REDRIVES CONCRETE BARRIER RAIL RIP RAP CLASS II (2'-0" THICK)
2 2 81 550 5 4 4 2 410	EA EA LF LF EA EA TON SY	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE ***	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345	EA CY CY LS LB LF LF EA LF TON SY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************* (16+21.50-1-) REINFORCING STEEL (BRIDGE) HP12X53 STEEL PILES HP14X73 GALVANIZED STEEL PILES PILE REDRIVES CONCRETE BARRIER RAIL RIP RAP CLASS II (2'-0" THICK) FILTER FABRIC FOR DRAINAGE
2 2 81 550 5 4 4 2 410	EA EA LF LF EA EA TON SY	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN	1 800 47.2 Lump Sum 7,810 720 600 6 265 305	EA CY CY LS LB LF LF EA LF TON	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75	EA EA LF LF EA EA TON SY SF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E)	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345	EA CY CY LS LB LF LF EA LF TON SY	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75	EA EA LF LF EA EA TON SY SF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75	EA EA LF LF EA EA TON SY SF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75	EA EA LF EA EA TON SY SF LF EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75	EA EA LF LF EA EA TON SY SF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75	EA EA LF EA EA TON SY SF LF EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353	EA EA LF LF EA EA TON SY SF LF EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY)	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 1 353 96	EA EA LF EA EA TON SY SF LF EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN RECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL USION SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353	EA EA LF LF EA EA TON SY SF LF EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN RECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE) WORK ZONE SIGNS (BARRICADE	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96	EA EA LF LF EA EA TON SY SF LF EA EA EA SF SF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE) WOORK ZONE SIGNS (BARRICADE MOUNTED)	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76	EA EA EA TON SY SF EA EA SF SF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (FORTABLE) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96	EA EA LF LF EA EA TON SY SF LF EA EA EA SF SF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE) WOORK ZONE SIGNS (BARRICADE MOUNTED)	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76	EA EA EA TON SY SF EA EA SF SF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (FORTABLE) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL UISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III)	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA EA EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN RECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA EA EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL SISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4")	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA EA EA EA EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGNS (STATIONARY) WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760	EA EA LF LF EA EA TON SY SF LF EA EA EA LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL SISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4")	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760	EA EA LF LF EA EA TON SY SF LF EA EA EA LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGNS (STATIONARY) WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 2 81 550 5 4 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760 26	EA EA LF LF EA EA TON SY SF LF EA EA EA LF EA EA LF LF EA LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN REECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT MARKERS 10" WATER LINE	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA EA LIF HR LIF EA	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL SIGNS SYSTEM, U-CHANNEL USIPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT MARKERS 10" WATER LINE TRENCHLESS INSTALLATION OF 10"	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760 26	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA LIF HR LIF EA LIF LIF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT MARKERS 10" WATER LINE TRENCHLESS INSTALLATION OF 10" IN SOIL	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 2 81 550 5 4 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760 26	EA EA LF LF EA EA TON SY SF LF EA EA EA LF EA EA LF LF EA LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN RECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGNS (STATIONARY) WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT MARKERS 10" WATER LINE TRENCHLESS INSTALLATION OF 10" IN SOIL TRENCHLESS INSTALLATION OF 10"	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760 26 501 394	EA EA LF LF EA EA TON SY SF LF EA EA EA LF LF LF LF LF LF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN ERECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT MARKERS 10" WATER LINE TRENCHLESS INSTALLATION OF 10" IN SOIL TRENCHLESS INSTALLATION OF 10" NOT IN SOIL	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************
2 2 81 550 5 4 4 2 410 18.75 40 3 11 1 353 96 76 27 20 96 80 7,760 26	EA EA LIF LIF EA EA TON SY SF LIF EA EA EA LIF HR LIF EA LIF LIF	MASONRY DRAINAGE STRUCTURES FRAME WITH TWO GRATES, STD 840.20 SHOULDER BERM GUTTER STEEL BM GUARDRAIL ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE 350 GUARDRAIL ANCHOR UNITS, TYPE B-77 RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE CONTRACTOR FURNISHED, TYPE *** SIGN (E) SUPPORTS, 3-LB STEEL U-CHANNEL SIGN RECTION, TYPE E DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGN SYSTEM, U-CHANNEL DISPOSAL OF SIGNS (STATIONARY) WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (BARRICADE MOUNTED) DRUMS CONES BARRICADES (TYPE III) FLAGGER PAINT PAVEMENT MARKING LINES (4") PERMANENT RAISED PAVEMENT MARKERS 10" WATER LINE TRENCHLESS INSTALLATION OF 10" IN SOIL TRENCHLESS INSTALLATION OF 10"	1 800 47.2 Lump Sum 7,810 720 600 6 265 305 345 Lump Sum	EA CY CY LS LB LF LF EA LF TON SY LS	PDA TESTING PDA ASSISTANCE UNCLASSIFIED STRUCTURE EXCAVA- TION CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION ************************************

Page: 14 of 26

L070515 010

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID : C201546 33350.3.1 **DIV OFFICE DURHAM LENGTH = 0.257 MI**

COUNTY : WAKE

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE: DEC 31 2008

BRIDGE OVER MIDDLE CREEK AND APPROACHES ON SB US-401.

		ROADWAY ITEMS	2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			13.3	SF	CONTRACTOR FURNISHED, TYPE *** SIGN
Lump Sum	LS	MOBILIZATION			(D)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************	26	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
Lump Sum	LS	GRADING	136	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	2	EA	SIGN ERECTION, TYPE D
		BING	4	EA	SIGN ERECTION, TYPE E
500	CY	UNDERCUT EXCAVATION	1	EA	SIGN ERECTION, RELOCATE, TYPE
700	CY	DRAINAGE DITCH EXCAVATION			**** (GROUND MOUNTED)
200 960	CY SY	SELECT GRANULAR MATERIAL FABRIC FOR SOIL STABILIZATION	-	EA	(D)
750	SF	TEMPORARY SHORING	6	LA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
51	TON	FOUNDATION CONDITIONING MATE-	1	EA	DISPOSAL OF SIGN SYSTEM, WOOD
		RIAL, MINOR STRS	260	SF	WORK ZONE SIGNS (STATIONARY)
36	LF	24" SIDE DRAIN PIPE	128	SF	WORK ZONE SIGNS (PORTABLE)
160	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	52	SF	WORK ZONE SIGNS (BARRICADE
64	LF	**" WELDED STEEL PIPE IN SOIL	1	EA	MOUNTED) FLASHING ARROW PANELS, TYPE C
04	Li	(15")	1	EA	CHANGEABLE MESSAGE SIGN
55	LF	PIPE REMOVAL	136	EA	DRUMS
1,805	TON	AGGREGATE BASE COURSE	48	LF	BARRICADES (TYPE III)
75	TON	INCIDENTAL STONE BASE	1	EA	TEMPORARY CRASH CUSHIONS
1,350	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	1	EA	RESET TEMPORARY CRASH CUSHIONS
1,105	TON	ASPHALT CONC INTERMEDIATE	1	EA	TMIA
		COURSE, TYPE I19.0C	83	EA	TEMPORARY RAISED PAVEMENT MARKERS
1,305	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	2,710	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
110	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	408	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
74	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	1	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	385	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4")
6 45	EA CY	RIGHT OF WAY MARKERS SUBDRAIN EXCAVATION	12.904	LE	(4)
35	CY	SUBDRAIN FINE AGGREGATE	13,894	LF	PAINT PAVEMENT MARKING LINES (4")
200	LF	6" PERFORATED SUBDRAIN PIPE	60	LF	PAINT PAVEMENT MARKING LINES
6	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	1,202	LF	(24") REMOVAL OF PAVEMENT MARKING
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	17	EA	LINES (4") SNOWPLOWABLE PAVEMENT MARKERS
6	LF	6" OUTLET PIPE (SUBDRAINS)	1,950	LF	TEMPORARY SILT FENCE
2	CY	ENDWALLS	150	TON	STONE FOR EROSION CONTROL,
6	EA	MASONRY DRAINAGE STRUCTURES			CLASS A
5	EA	FRAME WITH TWO GRATES, STD	230	TON	STONE FOR EROSION CONTROL, CLASS B
1	EA	840.24 FRAME WITH TWO GRATES, STD	375	TON	
	Lit	840.29	2	ACR	TEMPORARY MULCHING
40	LF	SHOULDER BERM GUTTER	100	LB	SEED FOR TEMPORARY SEEDING
787.5	LF	STEEL BM GUARDRAIL	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
62.5	LF	STEEL BM GUARDRAIL, SHOP CURVED	150	LF	ING TEMPORARY SLOPE DRAINS
5	EA	ADDITIONAL GUARDRAIL POSTS	4	EA	INLET PROTECTION AT TEMPORARY
1	EA	GUARDRAIL ANCHOR UNITS, TYPE			SLOPE DRAINS
	Б.	AT-1	350	LF	SAFETY FENCE
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	1,150 2,500	CY SY	SILT EXCAVATION MATTING FOR EROSION CONTROL
2	EA	GUARDRAIL ANCHOR UNITS, TYPE	2,300	SY	COIR FIBER MAT
4	EA	M-350 GUARDRAIL ANCHOR UNITS, TYPE	1,015	SY	PERMANENT SOIL REINFORCEMENT MAT
1,048	LF	B-77 REMOVE EXISTING GUARDRAIL	150	LF	1/4" HARDWARE CLOTH
325	LF	TEMPORARY STEEL BM GUARDRAIL	12	EA	SPECIAL STILLING BASINS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ********* TEMPORARY	160 2	LF EA	COIR FIBER BAFFLES **" SKIMMER (2-1/2")
4	EA	(CAT-1) GUARDRAIL ANCHOR UNITS, TYPE	2		SEEDING & MULCHING MOWING
		****** TEMPORARY (TYPE III)	50	LB	SEED FOR REPAIR SEEDING
5	EA	GUARDRAIL ANCHOR UNITS, TYPE	0.25	TON	
		350 TEMPORARY	50	LB	SEED FOR SUPPLEMENTAL SEEDING
25		RIP RAP, CLASS I	1.5	TON	
900	TON TON	RIP RAP, CLASS II RIP RAP, CLASS B	2 8	HR EA	SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL
1,590	SY	FILTER FABRIC FOR DRAINAGE	8	ĿА	RESTORSE FOR EROSION CONTROL

Page: 15 of 26

0.88 ACR REFORESTATION

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

284 LF 15" RC PIPE CULVERTS, CLASS

*** OR ***

LF 15" RC PIPE CULVERTS, CLASS III 148 LF ***" HDPE PIPE CULVERTS

136

*** OR ***

15" RC PIPE CULVERTS, CLASS III 148 LF

" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, *" THICK 136 LF

(15", 0.064")

*** END SCHEDULE AA ***

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ********************************
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA
		(20+35.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
135	LF	4'-0" DIA DRILLED PIERS IN SO IL
60	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
90	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
6	EA	SID INSPECTION
6	EA	SPT TESTING
1	EA	CROSSHOLE SONIC LOGGING
1,310	CY	UNCLASSIFIED STRUCTURE EXCAVATION
10,008	SF	REINFORCED CONCRETE DECK SLAB
10,317	SF	GROOVING BRIDGE FLOORS
136.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION *************
		(20+35.50-L-)
33,850	LB	REINFORCING STEEL (BRIDGE)
6,062	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,333.33	LF	36" PRESTRESSED CONCRETE GIR- DERS
520	LF	HP12X53 STEEL PILES
337.83	LF	CONCRETE BARRIER RAIL
390	TON	RIP RAP CLASS II (2'-0" THICK)
435	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

Page: 16 of 26

L070515 011

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201446 33636.3.1 DIV OFFICE DURHAM LENGTH = 0.129 MI

COUNTY : WAKE

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE: SEE SPECIAL PROVISIONS

BRIDGE # 255 OVER A CREEK AND APPROACHES ON SR-1006 (OLD STAGE RD).

		ROADWAY ITEMS	190 2	SY EA	FILTER FABRIC FOR DRAINAGE PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
		MODEL VILLEYON	439	SF	WORK ZONE SIGNS (STATIONARY)
Lump Sum	LS	MOBILIZATION	288	SF	WORK ZONE SIGNS (PORTABLE)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ************************************	119	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
Lump Sum	LS	GRADING	2	EA	FLASHING ARROW PANELS, TYPE C
Lump Sum	ACR	SUPPLEMENTARY CLEARING & GRUB-	56	DAY	CHANGEABLE MESSAGE SIGN (SHORT
1	ACK	BING			TERM)
200	CY	UNDERCUT EXCAVATION	80	EA	DRUMS
100	TON	CLASS IV SUBGRADE STABILIZA-	112	LF	BARRICADES (TYPE III)
		TION	32	HR	FLAGGER
65	CY	DRAINAGE DITCH EXCAVATION	32	HR	POLICE
100	CY	SELECT GRANULAR MATERIAL	12	EA	TEMPORARY RAISED PAVEMENT
100	SY	FABRIC FOR SOIL STABILIZATION			MARKERS
40	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	3,106	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
80	LF	15" RC PIPE CULVERTS, CLASS III	3,679	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
56	LF	18" RC PIPE CULVERTS, CLASS III	55	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
200	LF	24" RC PIPE CULVERTS, CLASS III	117	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
20	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	8	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	1,845	LF	PAINT PAVEMENT MARKING LINES (4")
187 100	LF TON	PIPE REMOVAL INCIDENTAL STONE BASE	394	LF	PAINT PAVEMENT MARKING LINES (8")
185	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH	108	LF	PAINT PAVEMENT MARKING LINES (24")
		(1-1/2")	4	EA	PAINT PAVEMENT MARKING SYMBOL
300 540	SY TON	INCIDENTAL MILLING ASPHALT CONC BASE COURSE, TYPE	1,851	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
130	TON	B25.0B ASPHALT CONC BASE COURSE, TYPE	197	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
		B25.0C	52	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
320	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B	2	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
65	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE II9.0C	45	EA	PERMANENT RAISED PAVEMENT MARKERS
440	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	Lump Sum	LS	PORTABLE LIGHTING
80	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	1,090 150	LF TON	TEMPORARY SILT FENCE STONE FOR EROSION CONTROL,
74	TON	ASPHALT BINDER FOR PLANT MIX,	255	TON	CLASS A STONE FOR EROSION CONTROL,
5	TON	GRADE PG 64-22 ASPHALT BINDER FOR PLANT MIX, GRADE RG 70-22	185	TON	CLASS B SEDIMENT CONTROL STONE
55	TON	GRADE PG 70-22 ASPHALT PLANT MIX, PAVEMENT	0.5	ACR	TEMPORARY MULCHING
55	1011	REPAIR	50	LB	SEED FOR TEMPORARY SEEDING
4	EA	RIGHT OF WAY MARKERS	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
25	CY	SUBDRAIN EXCAVATION			ING
20	CY	SUBDRAIN FINE AGGREGATE	15	LF	TEMPORARY SLOPE DRAINS
100	LF	6" PERFORATED SUBDRAIN PIPE	1	EA	INLET PROTECTION AT TEMPORARY
3	EA	6" SUBDRAIN PIPE WYES, TEES, &			SLOPE DRAINS
		ELBOWS	350	LF	SAFETY FENCE
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	1,270	CY	SILT EXCAVATION
6	LF		650	SY	MATTING FOR EROSION CONTROL
6 5	EA	6" OUTLET PIPE (SUBDRAINS) MASONRY DRAINAGE STRUCTURES	10	SY	COIR FIBER MAT
2	EA	FRAME WITH TWO GRATES, STD 840.24	265	SY	PERMANENT SOIL REINFORCEMENT MAT COIR FIBER BAFFLES
3	EA	FRAME WITH TWO GRATES, STD 840.29	350 1	LF EA	**" SKIMMER
75	LF	SHOULDER BERM GUTTER	0.5	ACR	(2") SEEDING & MULCHING
120	LF	CONCRETE EXPRESSWAY GUTTER		ACR	
187.5	LF	STEEL BM GUARDRAIL	50	LB	SEED FOR REPAIR SEEDING
100	LF	STEEL BM GUARDRAIL, SHOP		TON	
		CURVED	50	LB	SEED FOR SUPPLEMENTAL SEEDING
5	EA	ADDITIONAL GUARDRAIL POSTS	0.5	TON	FERTILIZER TOPDRESSING
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	2 8	HR EA	SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	0.1	ACR	REFORESTATION
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	170 1	LF EA	SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3
330 10	LF TON	WOVEN WIRE FENCE RESET RIP RAP, CLASS B			SECTION)

Page: 17 of 26

1	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
20	LF	UNPAVED TRENCHING (*******) (1, 2")
1	EA	JUNCTION BOX (STANDARD SIZE)
1	EA	2" RISER WITH WEATHERHEAD
60	LF	INDUCTIVE LOOP SAWCUT
380	LF	LEAD-IN CABLE (**********) (18-2)
3	EA	SIGN FOR SIGNALS

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
77	LF	PILE EXCAVATION IN SOIL
33	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ******** (22+70.00-L-)
2,787	SF	CONCRETE WEARING SURFACE
4,423	SF	GROOVING BRIDGE FLOORS
42.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
		(22+70.00-L-)
6,471	LB	REINFORCING STEEL (BRIDGE)
275	LF	HP12X53 STEEL PILES
135.208	LF	CONCRETE BARRIER RAIL
277	TON	RIP RAP CLASS II (2'-0" THICK)
306	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1,014.063	LF	3'-0" X 2'-3" PRESTRESSED CONC BOX BEAMS
1,000	DOL	CONTRACT TIME

Page: 18 of 26

L070515 012

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201276 34935.3.1 DIV OFFICE ABERDEEN LENGTH = 0.288 MI

COUNTY : RANDOLPH

GRADING, DRAINAGE, PAVING, SIGNALS & CULVERT.

DBE GOAL 8.0% COMPLETION DATE: AUG 15 2008

INTERSECTION OF US-64, NC-49 AND NC-42 IN ASHEBORO.

Lamp Sum			ROADWAY ITEMS	1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
Lump Sum L. MOBILZATION S				1	EA	GUARDRAIL ANCHOR UNITS, TYPE
Lump Sum L. CONSTRUCTION SURVEYING 20 L. REMOVE EXISTING GUARDRAIL 1 1 ACR SUPPLEMENTARY CLEARING & GRUB- 10 TON RIP RAP, CLASS 1 1 1 1 1 1 1 1 1	Lump Sum	LS	MOBILIZATION	3	FΔ	
1 ACR SUPPLEMENTARY CLEARING & GRUB- BING	Lump Sum	LS	CONSTRUCTION SURVEYING	3	Lit	
1 ACR SUPPLEMENTARY CLEARING & GRUB- BING	Lump Sum	LS	GRADING	200	LF	
1,000 CV UNDERCUT EXCAVATION 2 TON RIP RAP, CLASS II	1	ACR	SUPPLEMENTARY CLEARING & GRUB-			
1,000 CY UNDRECUTEXCAVATION 2 TON RP RAP, CLASS B 500 CLASS IS UNDRECORD EXCAVATION 1,112 LF 510 CASA IN SURGRADE STABILIZATION 6 EA SIGN BERIE FOR DRAINAGE 1,100 CY SELECT GRANULAR MATERIAL 2 EA SIGN BERIETON, TYPE E 1,200 SF TEMPORARY SHORING 1 EA SIGN BERIETON, TYPE E 1,200 SF TEMPORARY SHORING 1 EA SIGN BERIETON, TYPE E 1,200 SF TEMPORARY SHORING 1 EA SIGN BERIETON, TYPE E 1,200 SF TEMPORARY SHORING 1 EA SIGN BERIETON, TYPE E 1,200 SENERCE GRANING HEM DISPOSAL OF CONTAMINATED SOIL DISPOSAL OF SIGN SYSTEM, UNCHANGED STABLE 1 ST SIDE DRAIN PIPE 3 GO SERVETCO STABLE 1 ST SIDE DRAIN PIPE 3 GO SERVETCO STABLE 3 STABLE DRAIN PIPE 3 STABLE DRAIN PIPE CULVERTS, CLASS 4 STABLE DRAIN PIPE CULVERTS, CLASS 4 STABLE DRAIN PIPE CULVERTS, O.064* 1 STABLE DRAIN PIPE CULVERTS, O.064* 1 STABLE DRAIN PIPE CULVERTS, O.064* 1 STABLE DRAIN PARE STABLE DRAIN PIPE CULVERTS, O.064* 1 STABLE DRAIN PARE STABLE DRAIN PARE STABLE DRAIN PARE STABLE PARE STABLE PARE STABLE DRAIN PARE STABLE P			BING			
500 TON CLASS IV SUBGRADE STABILIZATION 1,112 FADRIC FOR RAINAGE 170 CY DEALTY GRANNED INTO 1,112 FADRIC FOR RAINAGE 1,100 CY SELECT GRANULAR MATERIAL 21 EA SIGN ERECTION, TYPE E 2,100 SY FABRIC FOR SOIL STABILIZATION 15 EA SIGN ERECTION, TYPE E 2,100 SY FABRIC FOR SOIL STABILIZATION 15 EA SIGN ERECTION, TYPE E 2,100 SY FABRIC FOR SOIL STABILIZATION 15 EA SIGN ERECTION, TYPE E 2,100 SY FABRIC FOR SOIL STABILIZATION 15 EA SIGN ERECTION, TYPE E 2,100 SY FEMPORARY STORING 4 EA SIGN ERECTION, TYPE E 2,100 SY FEMPORARY STORING 2 EA SIGN ERECTION, TYPE E 2,100 SY FEMPORARY STORING 2 EA SIGN ERECTION, TYPE E 2 SIGN EREC	1,000	CY	UNDERCUT EXCAVATION			
110	500	TON				
1,00 CY SELECT GRANULAR MATERIAL 2 1						
1,000 CY						
1.500 SY TEMPORARY SHORING						
2000 SP CEMPURE CRADING FIRM SIGN ERRECTION, RELOCATE, TYPE						
##************************************						
659 TON DOUNDATION CONDITIONING MATE- RIAL MINOR STRS 31 EA DISPOSAL OF SIGN SYSTEM, U- CHANNEL	50	TON		•		
RIAL MINOR STES	(50	TOM				(E)
1	039	ION		31	EA	
12	68	IE				
12						
II				448	SF	WORK ZONE SIGNS (PORTABLE)
16	12	LI		40	SF	
1	16	LF				
15						
100	36	LF	18" CS PIPE CULVERTS, 0.064"			
1,440 HR			THICK			
1,634	32	LF	24" CS PIPE CULVERTS, 0.064"			
1 EA PPE CLEAN-OUT			THICK			
50 TON STABILIZER AGGREGATE 2 EA TMIA 500 TON INCIDENTAL STONE BASE 580 LF FOOTRABLE CONCRETE BARRIER 150 SY INCIDENTAL MILLING 170 LF RESET PORTABLE CONCRETE BARRIER 4,200 TON ASPHALT CONC BASE COURSE, TYPE B25.0C 80 HR 8,600 TON ASPHALT CONC INTERMEDIATE 20 EA GENERIC TRAFFIC CONTROL ITEM 4,600 TON ASPHALT CONC SURFACE COURSE, TYPE 19.0C 4,900 TON ASPHALT CONC SURFACE COURSE, TYPE 19.0C 4,900 TON ASPHALT CONC SURFACE COURSE, TYPE S9.5C 52 EA THEMPORASTIC PAVEMENT MARKERS 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 52 EA THEMPORASTIC PAVEMENT MARKERS 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 52 EA THEMPORASTIC PAVEMENT MARKERS 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 52 EA THEMPORASTIC PAVEMENT MARKERS 400 TON ASPHALT PLANT MIX, PAVEMENT 4,600 LF THEMPORASTIC PAVEMENT MARKERS 400 TON ASPHALT PLANT MIX, PAVEMENT 4,600 LF THEMPORASTIC PAVEMENT MARKERS 400 TON ASPHALT PLANT MIX, PAVEMENT MARKERS 4,100 MILS) 400 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 4,100 MILS 500 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 4,100 MILS 500 TON ASPHALT PLANT MIX, PAVEMENT MARKERS 4,100 MILS 500 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 4,100 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 4,100 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 4,100 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKING LINES (24*) 120 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKING LINES (24*) 120 MILS 60 TON ASPHALT BINDER FOR PLANT MARKING LINES (24*) 120 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKING LINES (24*) 120 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKING LINES (24*) 120 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKING LINES (24*) 120 MILS 60 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKING LINES	1,634	LF	PIPE REMOVAL			
500 TON INCIDENTAL STONE BASE 580 LF PORTABLE CONCRETE BARRIER 150 SY INCIDENTAL MILLING 170 LF RESET PORTABLE CONCRETE BARRIER 150 SY INCIDENTAL MILLING 170 LF RESET PORTABLE CONCRETE BARRIER 150 SY INCIDENTAL MILLING 170 LF RESET PORTABLE CONCRETE BARRIER 150 SY INCIDENTAL MILLING 170 LF RESET PORTABLE CONCRETE BARRIER 150 SO	1	EA	PIPE CLEAN-OUT			
150 SY INCIDENTAL MILLING	50	TON	STABILIZER AGGREGATE			
4,200 TON ASPHALT CONC BASE COURSE, TYPE 80 HR POLICE	500	TON	INCIDENTAL STONE BASE	580		
ASOLITION ASPHALT CONC BASE COORSE, TITE B25.0C	150	SY	INCIDENTAL MILLING	170	LF	
4,600 TON ASPHALT CONC INTERMEDIATE 20 EA GENERIC TRAFFIC CONTROL ITEM TEMP CONC BARRIER DELINEATOR ASPHALT SONC SURFACE COURSE, TYPE 19.9.5 C	4,200	TON		-	***	
COURSE, TYPE 119.0C 4,900 TON ASPHALT CONC SURFACE COURSE, TYPE 59.5C 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 501 THERMOPLASTIC PAVEMENT MARKERS 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 502 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 503 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 504 ASPHALT PLANT MIX, PAVEMENT MARKERS 505 LF THERMOPLASTIC PAVEMENT MARKERS LINES (4", 90 MILS) 506 CY REINFORCED ENDWALLS 506 CY PIPE COLLARS 507 THERMOPLASTIC PAVEMENT MARKERS LINES (4", 120 MILS) 508 CY REINFORCED ENDWALLS 509 MILS 500 LF THERMOPLASTIC PAVEMENT MARKERS 500 LF THERMOPLASTIC PAVEMENT MARKERS 500 LF THERMOPLASTIC PAVEMENT MARKERS 500 LF PAINT PAVEMENT MARKERS 501 EA THERMOPLASTIC PAVEMENT MARKERS 502 EA THERMOPLASTIC PAVEMENT MARKERS 503 EA THERMOPLASTIC PAVEMENT MARKERS 504 LF PAINT PAVEMENT MARKERS 505 LF PAINT PAVEMENT MARKERS 506 EA THERMOPLASTIC PAVEMENT MARKERS 507 EA THERMOPLASTIC PAVEMENT MARKERS 508 LF PAINT PAVEMENT MARKERS 509 MILS 500 MILS 509 MILS 500 MILS 509 MILS 500 MILS 50						
4,900 TON ASPHALT CONC SURFACE COURSE, TYPE \$9,5C 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 295 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 100 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 101 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 102 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT MARKERS 103 LF THERMOPLASTIC PAVEMENT MARKED LINES (4", 120 MILS) 104 TON ASPHALT PLANT MIX, PAVEMENT LINES (4", 120 MILS) 105 CY REINFORCED ENDWALLS 106 CY PIPE COLLARS 107 LF THERMOPLASTIC PAVEMENT MARKED LINES (2", 120 MILS) 108 CY PIPE PLUGS 109 LF THERMOPLASTIC PAVEMENT MARKED LINES (2", 120 MILS) 110 CY PIPE PLUGS 120 LF MASONRY DRAINAGE STRUCTURES 121 CY MASONRY DRAINAGE STRUCTURES 122 LF MASONRY DRAINAGE STRUCTURES 134 LF PAINT PAVEMENT MARKED LINES (4") 135 LF PAINT PAVEMENT MARKING LINES (4") 140 EA FRAME WITH TWO GRATES, STD 150 EA FRAME WITH GRATE & HOOD, STD 151 ABAOG, TYPE ** 152 EA FRAME WITH GRATE & HOOD, STD 153 BAOG, TYPE ** 154 EA FRAME WITH GRATE & HOOD, STD 155 EA FRAME WITH GRATE & HOOD, STD 156 BAOG, TYPE ** 157 EA FRAME WITH GRATE & HOOD, STD 158 BAOG, TYPE ** 158 LF RAME WITH GRATE & HOOD, STD 158 BAOG, TYPE ** 159 EA FRAME WITH GRATE & HOOD, STD 150 BAOG, TYPE ** 151 BAOG, TYPE ** 15	4,600	TON		20	EA	
TYPE \$9.5C 400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 295 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 100 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 100 TON ASPHALT BINDER FOR PLANT MIX, PAVEMENT GRADE PG 70-22 100 TON ASPHALT PLANT MIX, PAVEMENT LINES (4*, 120 MILS) 8 CY REINFORCED ENDWALLS 1 CY PIPE COLLARS 1 CY PIPE COLLARS 1 CY PIPE PLUGS 6 EA MASONRY DRAINAGE STRUCTURES 10 EA FRAME WITH TWO GRATES, STD 8 A0.16 6 EA FRAME WITH TWO GRATES, STD 8 A0.24 6 EA FRAME WITH GRATE & HOOD, STD 8 40.03, TYPE ** (F) 15 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 4 EA PAINT PAVEMENT MARKING CHARLINES (4*) 15 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 4 EA PAINT PAVEMENT MARKING SYMBE (F) 15 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 4 EA PAINT PAVEMENT MARKING SYMBE (F) 2 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 4 EA PAINT PAVEMENT MARKING SYMBE (F) 2 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 4 EA PAINT PAVEMENT MARKING SYMBE (F) 2 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA PAINT PAVEMENT MARKING SYMBE (F) 2 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 4 EA SNOWPLOWABLE PAVEMENT MARKING SYMBE 840.03, TYPE ** 840.03, TYPE *	4.000	TON		620	EΑ	
400 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 295 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 100 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 100 TON ASPHALT PLANT MIX, PAVEMENT REPAIR 100 TON ASPHALT PLANT MIX, PAVEMENT LINES (4", 120 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT LINES (3", 90 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT LINES (3", 90 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARE LINES (3", 90 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARE LINES (3", 90 MILS) 110 EX PIPE COLLARS 111 CY PIPE PLUGS 111 CY PIPE PLUGS 112 CY MASONRY DRAINAGE STRUCTURES 113 EA MASONRY DRAINAGE STRUCTURES 114 EA MASONRY DRAINAGE STRUCTURES 115 EA FRAME WITH TWO GRATES, STD 840.16 175 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) 180 LF PAINT PAVEMENT MARKING LINES (24") 180 LF PAINT PAVEMENT MARKING LINES (24") 180 LF PAINT PAVEMENT MARKING CHAR. TER 180 LF PAINT PAVEMENT MARKING CHAR. TERM 180 LF PAINT PAVEMENT MARKING CHAR. TERM 180 LF PAINT PAVEMENT MARKING CHAR. TER	4,900	ION		630	EA	
STADE PG 64-22 LINES (4", 90 MILS)	400	TON		850	LF	
295 TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22 100 TON ASPHALT PLANT MIX, PAVEMENT REPAIR 100 TON ASPHALT PLANT MIX, PAVEMENT MARK LINES (8", 120 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARK LINES (8", 90 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARK LINES (8", 90 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARK LINES (8", 120 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARK LINES (24", 120 MILS) 100 TON ASPHALT PLANT MIX, PAVEMENT MARK LINES (24", 120 MILS) 110 CY PIPE PLUGS 111 CY PIPE COLLARS 112 CY PIPE PLUGS 113 THERMOPLASTIC PAVEMENT MARK CHARCHER (120 MILS) 114 CHARCHER MARK LINES (4", 120 MILS) 115 EA FRAME WITH TWO GRATES, STD SHOW ASONRY DRAINAGE STRUCTURES 116 EA FRAME WITH TWO GRATES, STD SHOW ASONRY DRAINAGE STRUCTURES 117 CHARCHER MIXED AND ASSONRY DRAINAGE STRUCTURES 118 CHARCHER MIXED AND ASSONRY DRAINAGE STRUCTURES 119 EA FRAME WITH TWO GRATES, STD SHOW ASONRY DRAINAGE STRUCTURES 120 EA FRAME WITH TWO GRATES, STD SHOW ASONRY DRAINAGE STRUCTURES 121 EA FRAME WITH GRATE & HOOD, STD SHOW ASONRY DRAINAGE STRUCTURES 122 EA PAINT PAVEMENT MARKING CHARCHER MARKING CHARCHER MARKING STANDER SHOW ASONRY DRAINAGE STRUCTURES 123 EA PAINT PAVEMENT MARKING CHARCHER MARKING STANDER SHOW ASONRY DRAINAGE STRUCTURES 124 EA PAINT PAVEMENT MARKING CHARCHER MARKING STANDER SHOW ASONRY DRAINAGE STRUCTURES 125 EA FRAME WITH GRATE & HOOD, STD SHOW ASONRY DRAIN ASO	400	TON		030	Li	
GRADE PG 70-22	295	TON		14,100	LF	THERMOPLASTIC PAVEMENT MARKING
REPAIR						
8 CY REINFORCED ENDWALLS 6 CY PIPE COLLARS 1 CY PIPE COLLARS 1 CY PIPE FLUGS 2 EA THERMOPLASTIC PAVEMENT MARK LINES (24", 120 MILS) 6 EA MASONRY DRAINAGE STRUCTURES 6 EA MASONRY DRAINAGE STRUCTURES 6 EA FRAME WITH TWO GRATES, STD 840.16 6 EA FRAME WITH TWO GRATES, STD 840.24 6 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) EA SNOWPLOWABLE PAVEMENT MARKING LINES (4")	100	TON	ASPHALT PLANT MIX, PAVEMENT	1,600	LF	THERMOPLASTIC PAVEMENT MARKING
1			REPAIR			LINES (8", 90 MILS)
1 CY PIPE PLUGS 2 EA THERMOPLASTIC PAVEMENT MARK 66 EA MASONRY DRAINAGE STRUCTURES 12 CY MASONRY DRAINAGE STRUCTURES 3 CHERMOPLASTIC PAVEMENT MARK 66 EA MASONRY DRAINAGE STRUCTURES 61 EA THERMOPLASTIC PAVEMENT MARK 67 EA FRAME WITH TWO GRATES, STD 68 EA FRAME WITH TWO GRATES, STD 840.16 6 EA FRAME WITH TWO GRATES, STD 840.24 6 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) 22 EA THERMOPLASTIC PAVEMENT MARK CHARACTER (120 MILS) 6 1 EA THERMOPLASTIC PAVEMENT MARK SYMBOL (90 MILS) 6 (4") 6 (4") 6 (50) 6 (50) 6 (80) 6 (8") 7 PAINT PAVEMENT MARKING LINES (8") 8 (8") 8 (8") 8 (9") 8 (4") 8 (4") 8 (4") 8 (5") 8 (5") 8 (6") 8 (7") 8 (7") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (8") 8 (4") 8 (8") 8	8	CY	REINFORCED ENDWALLS	350	LF	THERMOPLASTIC PAVEMENT MARKING
CHARACTER (120 MILS)	6	CY	PIPE COLLARS	2	г.	
12 CY MASONRY DRAINAGE STRUCTURES 61 EA THERMOPLASTIC PAVEMENT MARK SYMBOL (90 MILS)	1	CY	PIPE PLUGS	2	EA	
12 CY MASONRY DRAINAGE STRUCTURES SYMBOL (90 MILS)	66	EA	MASONRY DRAINAGE STRUCTURES	61	EΛ	
22	12	CY	MASONRY DRAINAGE STRUCTURES	01	LA	
10 EA FRAME WITH TWO GRATES, STD 840.16 6,800 LF PAINT PAVEMENT MARKING LINES (8") (9")	22	LF	MASONRY DRAINAGE STRUCTURES	63,600	LF	
6 EA FRAME WITH TWO GRATES, STD 840.24 6 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) 22 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) 25 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (A PAINT PAVEMENT MARKING LINES (C4") 26 PAINT PAVEMENT MARKING LINES (C4") 27 EA PAINT PAVEMENT MARKING SYMB (CF) 28 PAINT PAVEMENT MARKING SYMB (CF) 29 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (B PAINT PAVEMENT MARKING SYMB (CF) 29 EA PAINT PAVEMENT MARKING SYMB (CF) 20 EA PAINT PAVEMENT MARKING SYMB (CF) 20 EA PAINT PAVEMENT MARKING LINES (C4") 4 EA PAINT PAVEMENT MARKING LINES (C4")	10	EA				
840.24 800				6,800	LF	PAINT PAVEMENT MARKING LINES
6 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) 22 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) 4 EA PAINT PAVEMENT MARKING CHAR. TER 22 EA PAINT PAVEMENT MARKING SYMB 122 EA PAINT PAVEMENT MARKING SYMB (F) 2,800 LF REMOVAL OF PAVEMENT MARKING LINES (4") LINES (4") 840.03, TYPE ** 480 EA SNOWPLOWABLE PAVEMENT MARKING	6	EA				(8")
840.03, TYPE **	6	EA		800	LF	
(E) FAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) FRAME WITH GRATE & HOOD, STD 122 EA PAINT PAVEMENT MARKING SYMBULE FAME OF PAVEMENT MARKING SYMBULE FAME WITH GRATE & HOOD, STD 840.03, TYPE ** (B) FAME WITH GRATE & HOOD, STD 840.03, TYPE ** (B) FAME WITH GRATE & HOOD, STD 840.03, TYPE ** (B) FAME WITH GRATE & HOOD, STD 840.03, TYPE ** (B) FAME WITH GRATE & HOOD, STD 840.03, TYPE ** (B) FAME WITH GRATE & HOOD, STD 840.03, TYPE **	0	EA				
22 EA FRAME WITH GRATE & HOOD, STD 122 EA PAINT PAVEMENT MARKING SYMB 15 EA FRAME WITH GRATE & HOOD, STD 15 EA FRAME WITH GRATE & HOOD, STD 16 EA FRAME WITH GRATE & HOOD, STD 17 EA 17 EA 18 EA 18 EA 18 EA 18 EA 19 EA				4	EA	
\$40.03, 1 YPE ** (F) 2,800 LF REMOVAL OF PAVEMENT MARKING LINES (4") 15 EA FRAME WITH GRATE & HOOD, STD & SNOWPLOWABLE PAVEMENT MARI ARKING LINES (4")	22	EA	FRAME WITH GRATE & HOOD, STD	122	E.	
15 EA FRAME WITH GRATE & HOOD, STD LINES (4") 840.03, TYPE ** 480 EA SNOWPLOWABLE PAVEMENT MARI						
15 EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** 480 EA SNOWPLOWABLE PAVEMENT MARI				2,800	LI.	
040.03, 1112	15	EA		480	EA	* *
						FLEXIBLE DELINEATORS (CRYSTAL
2 EA FRAME WITH COVER, STD 840.54 & RED)	2	FΔ				
50 LF FRAME WITH GRATES, DRIVEWAY Lump Sum LS PORTABLE LIGHTING				Lump Sum	LS	PORTABLE LIGHTING
DROP INLET 64 LF 6" WATER LINE	20			64	LF	6" WATER LINE
5,465 LF 2'-6' CONCRETE CURB & GUTTER 871 LF 8" WATER LINE	5,465	LF				
2,400 SY 4" CONCRETE SIDEWALK 2 EA 8" VALVE				2	EA	
34 EA CONCRETE WHEELCHAIR RAMPS 1 EA 12" VALVE				1	EA	12" VALVE
100 SY 6" CONCRETE DRIVEWAY 17 EA RELOCATE WATER METER				17	EA	RELOCATE WATER METER
10 SY 4" CONCRETE PAVED DITCH 3 EA RECONNECT WATER METER				3	EA	
1,000 SY 5" MONOLITHIC CONCRETE ISLANDS 2 EA RELOCATE FIRE HYDRANT				2	EA	RELOCATE FIRE HYDRANT
(SURFACE MOUNTED) 1,305 LF ABANDON 8" UTILITY PIPE	,			1,305	LF	ABANDON 8" UTILITY PIPE
850 LF STEEL BM GUARDRAIL 34 LF TRENCHLESS INSTALLATION OF 16'	850	LF	STEEL BM GUARDRAIL	34	LF	TRENCHLESS INSTALLATION OF 16"
50 LF STEEL BM GUARDRAIL, SHOP IN SOIL	50	LF				IN SOIL
				34	LF	TRENCHLESS INSTALLATION OF 16"
10 EA ADDITIONAL GUARDRAIL POSTS NOT IN SOIL	10	EA	ADDITIONAL GUARDRAIL POSTS			NOT IN SOIL

Page: 19 of 26

					****** BEGIN SCHEDULE AA ******
	EA	CENEDIC LITH ITV ITEM	054	LE	****** (3 ALTERNATES) ******
1	EA	GENERIC UTILITY ITEM REMOVE EXISTING VALVE & VALVE BOX	954	LF	12" RC PIPE CULVERTS, CLASS III
2,850	LF	TEMPORARY SILT FENCE	2,100	LF	15" RC PIPE CULVERTS, CLASS
1,530	TON	STONE FOR EROSION CONTROL, CLASS A	676	LF	18" RC PIPE CULVERTS, CLASS III
585	TON	STONE FOR EROSION CONTROL, CLASS B	628	LF	24" RC PIPE CULVERTS, CLASS III
1,550 10	TON ACR	SEDIMENT CONTROL STONE TEMPORARY MULCHING	736	LF	30" RC PIPE CULVERTS, CLASS III
350	LB	SEED FOR TEMPORARY SEEDING			*** OR ***
1.5	TON	FERTILIZER FOR TEMPORARY SEED-ING	838	LF	12" RC PIPE CULVERTS, CLASS III
60 2	LF EA	TEMPORARY SLOPE DRAINS INLET PROTECTION AT TEMPORARY	1,836	LF	15" RC PIPE CULVERTS, CLASS III
		SLOPE DRAINS	296	LF	18" RC PIPE CULVERTS, CLASS III
135 4,600	LF CY	SAFETY FENCE SILT EXCAVATION	128	LF	24" RC PIPE CULVERTS, CLASS III
2,100 40	SY SY	MATTING FOR EROSION CONTROL COIR FIBER MAT	172	LF	30" RC PIPE CULVERTS, CLASS
2,450	SY	PERMANENT SOIL REINFORCEMENT MAT	116	LF	III ***" HDPE PIPE CULVERTS
200 30	LF LF	1/4" HARDWARE CLOTH **" TEMPORARY PIPE	264	LF	(12") ***" HDPE PIPE CULVERTS
		(18")	380	LF	(15") ***" HDPE PIPE CULVERTS
240	LF	**" TEMPORARY PIPE (24")	500	LF	(18") ***" HDPE PIPE CULVERTS
27 725	CY LF	STILLING BASINS COIR FIBER BAFFLES	564	LF	(24") ***" HDPE PIPE CULVERTS
5	EA	**" SKIMMER (2")	304	Li	(30") *** OR ***
1	EA	**" SKIMMER (2-1/2")	838	LF	12" RC PIPE CULVERTS, CLASS
10.5 6	ACR ACR	SEEDING & MULCHING MOWING	1,836	LF	III 15" RC PIPE CULVERTS, CLASS
100	LB	SEED FOR REPAIR SEEDING	296	LF	III 18" RC PIPE CULVERTS, CLASS
0.25 250	TON LB	FERTILIZER FOR REPAIR SEEDING SEED FOR SUPPLEMENTAL SEEDING	128	LF	III 24" RC PIPE CULVERTS, CLASS
8	TON LF	FERTILIZER TOPDRESSING	172	LF	III 30" RC PIPE CULVERTS, CLASS
100 2.5	HR	IMPERVIOUS DIKE SPECIALIZED HAND MOWING			III
8 0.1	EA ACR	RESPONSE FOR EROSION CONTROL REFORESTATION	116	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****"
3,710 26	LF EA	SIGNAL CABLE VEHICLE SIGNAL HEAD (12", 3			THICK (12", 0.064")
4	EA	SECTION) VEHICLE SIGNAL HEAD (12", 5	264	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****" THICK
1,240	LF	SECTION) MESSENGER CABLE (3/8")	380	LF	(15", 0.064") ***" ALUMINIZED CORRUGATED
2,040	LF	TRACER WIRE			STEEL PIPE CULVERTS, ****" THICK
180	LF	PAVED TRENCHING (********) (1 CONDUIT, 2")	500		(18", 0.064")
1,100	LF	UNPAVED TRENCHING (*******) (1 CONDUIT, 2")	500	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****"
1,770	LF	DIRECTIONAL DRILL (*******) (1 CONDUIT, 2")			THICK (24", 0.064")
12	EA EA	JUNCTION BOX (STANDARD SIZE) JUNCTION BOX (OVER-SIZED, HEA-	564	LF	***" ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ****"
6		VY DUTY)			THICK (30", 0.064")
4 8	EA EA	WOOD POLE GUY ASSEMBLY			
1	EA	1" RISER WITH WEATHERHEAD			*** END SCHEDULE AA ***
2	EA	2" RISER WITH WEATHERHEAD			CULVERT ITEMS
2,420	LF	INDUCTIVE LOOP SAWCUT			
7,860	LF	LEAD-IN CABLE (**********) (18-2)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
2,040	LF	(1600' of 18-4 pair) COMMUNICATIONS CABLE (**FIBER)			AT STATION ************************************
1	EA	(12) INTERCONNECT CENTER	Lump Sum	LS	CULVERT EXCAVATION, STA ****** (30+24.50 -Y-)
1	EA	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT	74.1	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
5	EA	DELINEATOR MARKER	94	CY LB	CLASS A CONCRETE (CULVERT)
1	EA	FURNISH FIBER-OPTIC TRANSCEIV- ER	11,684	டம	REINFORCING STEEL (CULVERT)
1,870	LF	REMOVE EXISTING COMMUNICATIONS CABLE			
4	EA	METAL STRAIN SIGNAL POLE			WALL ITEMS
4 24	EA CY	SOIL TEST DRILLED PIER FOUNDATION			
2	EA	SIGN FOR SIGNALS	903	SF	GRAVITY RETAINING WALLS
1 1	EA EA	SIGNAL CABINET FOUNDATION CONTROLLER WITH CABINET (TYPE	2,792	SF	MSE RETAINING WALL
		2070L, BASE MOUNTED)			
10 1	EA EA	DETECTOR CARD (TYPE 2070L) CABINET BASE EXTENDER			

Page: 20 of 26

L070515 013

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

DIV OFFICE WINSTON-SALEM CONTRACT ID: C201421 34183.3.GV1 LENGTH = 4.600 MI

COUNTY : DAVIE

PAVEMENT REHABILITATION & GUARDRAIL.

4 EA DISPOSAL OF SUPPORT, STEEL

26 EA DISPOSAL OF SIGN SYSTEM, U-CHANNEL

4 EA DISPOSAL OF SIGN SYSTEM, STEEL

BEAM

BEAM

DBE GOAL 5.0% COMPLETION DATE: SEP 01 2008

I-40 FROM SR-1436 (PINEBROOK DR) AT MP-175 TO WEST OF NC-801 AT MP-179.6.

		ROADWAY ITEMS	7	EA	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
			840	SF	WORK ZONE SIGNS (STATIONARY)
Lumn Sum	1.0	MOBILIZATION	902	SF	WORK ZONE SIGNS (PORTABLE)
73,800	LS CY	UNCLASSIFIED EXCAVATION	40	SF	WORK ZONE SIGNS (BARRICADE
4,825	CY	UNDERCUT EXCAVATION UNDERCUT EXCAVATION			MOUNTED)
13,120	CY	BORROW EXCAVATION	4	EA	FLASHING ARROW PANELS, TYPE C
75,600	SY	REMOVAL OF EXISTING ASPHALT	4	EA	CHANGEABLE MESSAGE SIGN
,		PAVEMENT	400	EA	DRUMS
133,150	SY	FABRIC FOR SOIL STABILIZATION	48	LF EA	BARRICADES (TYPE III)
Lump Sum	LS	FINE GRADING	14	EA	TEMPORARY CRASH CUSHIONS RESET TEMPORARY CRASH CUSHIONS
79,580	TON	AGGREGATE BASE COURSE	4	EA	TMIA
500	SY	MILLING ASPHALT PAVEMENT, ***"	600	LF	PORTABLE CONCRETE BARRIER
		DEPTH (1-1/2")	300	LF	PORTABLE CONCRETE BARRIER
20,225	TON				(DRAINAGE)
,		B25.0C	4,200	LF	RESET PORTABLE CONCRETE BAR-
23,000	TON	ASPHALT CONC INTERMEDIATE			RIER
		COURSE, TYPE I19.0C	2,100	LF	RESET PORTABLE CONCRETE BAR-
40,975	TON	ASPHALT CONC INTERMEDIATE	330	HR	RIER (DRAINAGE) POLICE
9,500	TON	COURSE, TYPE 119.0D ASPHALT CONC SURFACE COURSE,	1,480	EA	TEMPORARY RAISED PAVEMENT
9,500	TON	TYPE S9.5C	1,400	Lit	MARKERS
40,025	TON	ASPHALT CONC SURFACE COURSE,	42,660	LF	COLD APPLIED PLASTIC PAVEMENT
		TYPE S9.5D			MARKING LINES, TYPE ** (6")
1,951	TON	ASPHALT BINDER FOR PLANT MIX,	CO.4. CO.O.		(4)
	morr	GRADE PG 64-22	684,680	LF	PAINT PAVEMENT MARKING LINES (6")
2,496	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	9,600	LF	PAINT PAVEMENT MARKING LINES
2,402	TON	ASPHALT BINDER FOR PLANT MIX,	>,000		(12")
2,102	1011	GRADE PG 76-22	12	EA	PAINT PAVEMENT MARKING SYMBOL
97,200	LF	MILLED RUMBLE STRIPS (ASPHALT	118,900	LF	POLYUREA PAVEMENT MARKING
		CEMENT CONCRETE)			LINES (6", *********)
104	TON	GENERIC PAVING ITEM	1,600	LF	(STANDARD GLASS BEADS) POLYUREA PAVEMENT MARKING
450	SY	ABC FOR BACKFILL GENERIC PAVING ITEM	1,000	LI	LINES (12", *********)
430	31	8" CONTINUOUSLY REINFORCED			(STANDARD GLASS BEADS)
		CONCRETE PAVEMENT REPAIR	6	EA	POLYUREA PAVEMENT MARKING
31,500	LF	SHOULDER DRAIN			SYMBOL (********) (STANDARD GLASS BEADS)
31,500	LF	4" SHOULDER DRAIN PIPE	81,330	LF	REMOVAL OF PAVEMENT MARKING
3,220	LF	4" OUTLET PIPE FOR SHOULDER	61,550	LI	LINES (4")
49	EA	DRAINS	105,600	LF	REMOVAL OF PAVEMENT MARKING
47	LA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET			LINES (6")
2	EA	ADJUSTMENT OF DROP INLETS	1,600	LF	REMOVAL OF PAVEMENT MARKING
13,975	LF	STEEL BM GUARDRAIL	920	E.	LINES (12")
10	EA	ADDITIONAL GUARDRAIL POSTS	820 1,000	EA LF	SNOWPLOWABLE PAVEMENT MARKERS TEMPORARY SILT FENCE
17	EA	GUARDRAIL ANCHOR UNITS, TYPE	200	TON	STONE FOR EROSION CONTROL,
		CAT-1	200	TON	CLASS A
17	EA	GUARDRAIL ANCHOR UNITS, TYPE	500	TON	STONE FOR EROSION CONTROL,
422.4	LF	350 REMOVE & RESET EXISTING GUARD-			CLASS B
422.4	LF	RAIL	200	TON	SEDIMENT CONTROL STONE
500	LF	REMOVE & RESET EXISTING GUIDE-	21.5		TEMPORARY MULCHING
		RAIL	750	LB	SEED FOR TEMPORARY SEEDING
14,925	LF	REMOVE EXISTING GUARDRAIL	3	TON	FERTILIZER FOR TEMPORARY SEED- ING
375	SY	FILTER FABRIC FOR DRAINAGE	1,200	CY	SILT EXCAVATION
6	CY	REINFORCED CONCRETE SIGN FOUN-	2,000	SY	MATTING FOR EROSION CONTROL
4.706	I D	DATIONS CHIPDOPTS DREAKAWAY STEEL DEAM	1,000	LF	1/4" HARDWARE CLOTH
4,796 435	LB LF	SUPPORTS, BREAKAWAY STEEL BEAM SUPPORTS, 3-LB STEEL U-CHANNEL	29.5		SEEDING & MULCHING
10	EA	SUPPORTS, 2-LB STEEL U-CHANNEL	12.5	ACR	MOWING
20	EA	SIGN ERECTION, TYPE E	250	LB	SEED FOR REPAIR SEEDING
3	EA	SIGN ERECTION, TYPE F	0.5	TON	FERTILIZER FOR REPAIR SEEDING
12	EA	SIGN ERECTION, TYPE ***	500	LB	SEED FOR SUPPLEMENTAL SEEDING
		(GROUND MOUNTED)	22	TON	FERTILIZER TOPDRESSING
		(A)	34	HR	SPECIALIZED HAND MOWING
4	EA	SIGN ERECTION, TYPE ***	8	EA	RESPONSE FOR EROSION CONTROL
		(GROUND MOUNTED) (B)			
10	EA	SIGN ERECTION, MILEMARKERS			
2	EA	SIGN ERECTION, MILEMARKERS SIGN ERECTION, RELOCATE, TYPE			
-		**** (GROUND MOUNTED)			
		(A)			
4	EA	DISPOSAL OF SUPPORT, STEEL			

Page: 21 of 26

L070515 014

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201747 38730.3.GV1 DIV OFFICE WINSTON-SALEM LENGTH = 5.618 MI

COUNTY : ROWAN

MILLING & RESURFACING.

DBE GOAL 5.0% COMPLETION DATE: OCT 01 2007

I-85 FROM THE CABARRUS COUNTY LINE TO NORTH OF NC-152.

Lump Sum	LS	MOBILIZATION	
Lump Sum	LS	GRADING	
200	CY	UNDERCUT EXCAVATION	
200	TON	INCIDENTAL STONE BASE	
14,654	SY	MILLING ASPHALT PAVEMENT. ***"	
14,054	51	TO ******" DEPTH	
		(0" TO 2")	
500	SY	INCIDENTAL MILLING	
1,143	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	
824	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
33,611	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	
88	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
2,019	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	
50	TON	PATCHING EXISTING PAVEMENT	
120,000	LF	MILLED RUMBLE STRIPS (ASPHALT	
		CEMENT CONCRETE)	
4,000	LB	GENERIC PAVING ITEM POLYMER MOD CONC PVMT REPAIR	
256	SF	WORK ZONE SIGNS (STATIONARY)	
2	EA	FLASHING ARROW PANELS, TYPE C	
2	EA	CHANGEABLE MESSAGE SIGN	
300	EA	DRUMS	
2	EA	TMIA	
50	HR	POLICE	
121,396	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	
14,899	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	
350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	
44	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	
131,957	LF	PAINT PAVEMENT MARKING LINES (4")	
800	EA	SNOWPLOWABLE PAVEMENT MARKERS	
Lump Sum	LS	PORTABLE LIGHTING	

Page: 22 of 26

L070515 015

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201734 38732.3.GV1 DIV OFFICE ALBEMARLE LENGTH = 8.700 MI

COUNTY : MECKLENBURG

RESURFACING.

DBE GOAL 6.0% COMPLETION DATE: OCT 31 2007

I-77 FROM I-277 (EXIT 9) TO SOUTH CAROLINA STATE LINE.

Lump Sum	LS	MOBILIZATION
2,400	SY	INCIDENTAL MILLING
1,418	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
19,650	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED
500	TON	PATCHING EXISTING PAVEMENT
3,000	TON	GENERIC PAVING ITEM ASPHALT CONC SURFACE COURSE, TYPE S9.5D (LEVELING COURSE)
956	SF	WORK ZONE SIGNS (STATIONARY)
2	EA	FLASHING ARROW PANELS, TYPE C
2	EA	CHANGEABLE MESSAGE SIGN
100	EA	DRUMS
2	EA	TMIA
350	EA	SKINNY DRUM
217,400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
64,300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
27,850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
60	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
65,000	LF	PAINT PAVEMENT MARKING LINES (4")
27,850	LF	PAINT PAVEMENT MARKING LINES (8")
4,400	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING

Page: 23 of 26

L070515 016

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201778 41453.3.GV1 DIV OFFICE ALBEMARLE LENGTH = 0.650 MI

COUNTY : MECKLENBURG

MILLING & RESURFACING.

DBE GOAL 4.0% COMPLETION DATE: OCT 01 2007

I-85 NBL & SBL FROM GASTON CO LINE TO BEGINNING OF CONCRETE PAVEMENT IN MECKLENBURG CO NEAR SR-1601.

I C	LS	MOBILIZATION	
Lump Sum 8,790	SY		
8,790	31	MILLING ASPHALT PAVEMENT, ***" DEPTH	
		(1-1/2")	
38,450	SY	MILLING ASPHALT PAVEMENT, ***"	
		DEPTH	
		(3")	
7,200	TON		
550	TON	TYPE S9.5D	
550	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	
1.850	TON	OPEN-GRADED ASPHALT FRICTION	
1,050	1011	COURSE, TYPE FC-1 MODIFIED	
14,415	LF	MILLED RUMBLE STRIPS (ASPHALT	
		CEMENT CONCRETE)	
84	SF	WORK ZONE SIGNS (STATIONARY)	
2	EA	FLASHING ARROW PANELS, TYPE C	
1	EA	CHANGEABLE MESSAGE SIGN	
150	EA	DRUMS	
2	EA	TMIA	
15,180	LF	THERMOPLASTIC PAVEMENT MARKING	
		LINES (6", 90 MILS)	
5,175	LF	THERMOPLASTIC PAVEMENT MARKING	
1 250		LINES (6", 120 MILS)	
1,350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	
20,355	LF	PAINT PAVEMENT MARKING LINES	
20,333	LI	(4")	
1,350	LF	PAINT PAVEMENT MARKING LINES	
		(8")	
360	EA	SNOWPLOWABLE PAVEMENT MARKERS	
Lump Sum	LS	PORTABLE LIGHTING	

Page: 24 of 26

L070515 017

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201548 33503.3.1 DIV OFFICE SHELBY LENGTH = 0.151 MI

COUNTY : IREDELL

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE: NOV 15 2007

BRIDGE OVER THIRD CREEK AND APPROACHES ON SR-1521.

ROADWAY ITEMS

 Lump Sum
 LS
 MOBILIZATION

 Lump Sum
 LS
 GENERIC MISCELLANEOUS ITEM ROADWAY CONSTRUCTION

STRUCTURE ITEMS

Lump Sum

Lump Sum LS REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
AT STATION ************************************
(14+40.00 -L-)
24.8 LF 3'-6" DIA DRILLED PIERS IN
SOIL
13 LF 3'-6" DIA DRILLED PIERS NOT IN
SOIL
20.7 LF PERMANENT STEEL CASING FOR
3'-6" DIA DRILLED PIER
2 EA SID INSPECTION
2 EA SPT TESTING
1 EA CROSSHOLE SONIC LOGGING
Lump Sum LS UNCLASSIFIED STRUCTURE EXCAVA-
TION AT STATION *******
(14+40.00 -L-)
Lump Sum LS BRIDGE APPROACH SLABS, STATION ************************************
(14+40.00 -L-)
250 LF HP12X53 STEEL PILES
343 TON RIP RAP CLASS II (2'-0" THICK)
Lump Sum LS CONSTRUCTION OF SUBSTRUCTURE
Lump Sum LS CONSTRUCTION OF SUPERSTRUCTURE

Page: 25 of 26

L070515 018

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201477 32920.3.2 DIV OFFICE SYLVA LENGTH = 0.052 MI

COUNTY : HAYWOOD

140 LF BARRICADES (TYPE III)

GRADING, DRAINAGE, PAVING, C&G, RET WALL, & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE: MAY 15 2009

BRIDGE OVER NORFOLK SOUTHERN CORP & APPROACHES ON SR-1643 (BRIDGE ST) IN CANTON.

		ROADWAY ITEMS	100	HR	FLAGGER
		TOTAL TILLING	30	EA	SKINNY DRUM
			1,252	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
Lump Sum Lump Sum	LS LS	MOBILIZATION CONSTRUCTION SURVEYING	291	LF	THERMOPLASTIC PAVEMENT MARKING
Lump Sum	LS	REINFORCED BRIDGE APPROACH	100	LE	LINES (8", 120 MILS)
•		FILL, STATION ************************************	108	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
Lump Sum	LS	(11+52.00-L1-) GRADING	97	LF	6" WATER LINE
1	ACR	SUPPLEMENTARY CLEARING & GRUB-	1	EA	6" VALVE
		BING	1 Lump Sum	EA LS	RELOCATE FIRE HYDRANT GENERIC UTILITY ITEM
100	CY TON	UNDERCUT EXCAVATION CLASS IV SUBGRADE STABILIZA-	Lump Sum	Lo	6" DI RJ WATER MAIN ATTACHMENT
100	ION	TION	335	LF	TEMPORARY SILT FENCE
100	CY	SELECT GRANULAR MATERIAL	115	TON	STONE FOR EROSION CONTROL, CLASS A
100	SY	FABRIC FOR SOIL STABILIZATION	105	TON	STONE FOR EROSION CONTROL,
10	TON	GENERIC GRADING ITEM DISPOSAL OF CONTAMINATED SOIL			CLASS B
30	TON	FOUNDATION CONDITIONING MATE-	80	TON ACR	SEDIMENT CONTROL STONE
100	LE	RIAL, MINOR STRS	50	LB	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
108	LF	18" RC PIPE CULVERTS, CLASS III	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
40	LF	GENERIC PIPE ITEM			ING
02		24" PVC PIPE	85	CY	SILT EXCAVATION
82 100	LF TON	PIPE REMOVAL INCIDENTAL STONE BASE	160	SY ACR	MATTING FOR EROSION CONTROL SEEDING & MULCHING
520	SY	MILLING ASPHALT PAVEMENT, ***"	0.5	ACR	MOWING
		TO ******" DEPTH	50	LB	SEED FOR REPAIR SEEDING
40	TON	(0" TO 3") ASPHALT CONC BASE COURSE, TYPE	0.25	TON	FERTILIZER FOR REPAIR SEEDING
	1011	B25.0B	50 0.75	LB TON	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING
40	TON	ASPHALT CONC INTERMEDIATE	2	HR	SPECIALIZED HAND MOWING
145	TON	COURSE, TYPE I19.0B ASPHALT CONC SURFACE COURSE,	4	EA	RESPONSE FOR EROSION CONTROL
1.5	1011	TYPE S9.5B	1	CY	CONCRETE STEPS
13	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
100	TON				WALL ITEMS
45	CY	REPAIR SUBDRAIN EXCAVATION			WALLITEMS
34	CY	SUBDRAIN FINE AGGREGATE			
200	LF	6" PERFORATED SUBDRAIN PIPE	1,820	SF	GENERIC RETAINING WALL ITEM CAST-IN-PLACE CONCRETE FACED
6	EA	6" SUBDRAIN PIPE WYES, TEES, &			MSE RETAINING WALLS
1	EA	ELBOWS CONCRETE PAD FOR SUBDRAIN PIPE	800	SF	GENERIC RETAINING WALL ITEM
		OUTLET	1,250	SF	TEMPORARY SHORING GENERIC RETAINING WALL ITEM
6	LF	6" OUTLET PIPE (SUBDRAINS)	1,200	51	TEMPORARY TIEBACK RETAINING
5 28	EA LF	MASONRY DRAINAGE STRUCTURES MASONRY DRAINAGE STRUCTURES			WALL
3	EA	FRAME WITH TWO GRATES, STD			
		840.29			
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **			STRUCTURE ITEMS
1	EA	(E) FRAME WITH COVER, STD 840.54			
150	LF	2'-6" CONCRETE CURB & GUTTER	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
85	SY	4" CONCRETE SIDEWALK			(11+83.94-L1-)
2	EA	CONCRETE WHEELCHAIR RAMPS	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION *******
3 161	TON SY	RIP RAP, CLASS B FILTER FABRIC FOR DRAINAGE			(11+83.94-L1-)
16.5	SF	CONTRACTOR FURNISHED, TYPE ***	5,287	SF	REINFORCED CONCRETE DECK SLAB
		SIGN	4,357	SF	GROOVING BRIDGE FLOORS
44	LF	(E) SUPPORTS, 3-LB STEEL U-CHANNEL	76.4 Lump Sum	CY LS	CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
4	EA	SIGN ERECTION, TYPE E			*******
1	EA	SIGN ERECTION, RELOCATE, TYPE	0.502	I D	(11+83.94-L1-) REINFORCING STEEL (BRIDGE)
		**** (GROUND MOUNTED) (E)	9,593 262,400	LB LS	APPROX LBS STRUCTURAL
4	EA	DISPOSAL OF SIGN SYSTEM, U-			STEEL
	Е.	CHANNEL DISPOSAL OF SUPPOPT IL CHANNEL	500	LF	HP12X53 STEEL PILES
1 3	EA EA	DISPOSAL OF SUPPORT, U-CHANNEL DISPOSAL OF SIGN, D, E OR F	227 Lump Sum	SY LS	4" SLOPE PROTECTION ELASTOMERIC BEARINGS
208	SF	WORK ZONE SIGNS (STATIONARY)	Lump Sum	LS	EVAZOTE JOINT SEALS
96	SF	WORK ZONE SIGNS (PORTABLE)	Lump Sum	LS	GENERIC STRUCTURE ITEM
116	SF	WORK ZONE SIGNS (BARRICADE	255 92	117	VIBRATION MONITORING GENERIC STRUCTURE ITEM
15	EA	MOUNTED) DRUMS	255.83	LF	GENERIC STRUCTURE ITEM CLASSIC CONCRETE BRIDGE RAIL
15	EA	CONES			
140	IE	BARRICADES (TVPE III)			

Page: 26 of 26

L070515 019

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

CONTRACT ID: C201796 37735.3.1 DIV OFFICE SYLVA LENGTH = 3.313 MI

COUNTY : JACKSON

GRADING, DRAINAGE, PAVING, & GUARDRAIL REHAB.

DBE GOAL 8.0% COMPLETION DATE: OCT 01 2008

US-74 & 441 FROM EAST OF SR-1391 (SHULLER COVE RD) TO SR-1514 & SR-1387 (TAYLOR RD).

		ROADWAY ITEMS
Lump Sum Lump Sum	LS LS	MOBILIZATION CONSTRUCTION SURVEYING
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
140	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
948	LF	15" RC PIPE CULVERTS, CLASS III
72	LF	18" RC PIPE CULVERTS, CLASS III
172	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
100	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
24	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
55	LF	PIPE REMOVAL
15,280	TON	AGGREGATE BASE COURSE
500	TON	INCIDENTAL STONE BASE
80 5.650	SY	INCIDENTAL MILLING ASPHALT CONC INTERMEDIATE
5,650 6,320	TON	COURSE, TYPE 119.0B ASPHALT CONC SURFACE COURSE.
650	TON	TYPE S9.5B ASPHALT BINDER FOR PLANT MIX.
360	TON	GRADE PG 64-22 ASPHALT BINDER FOR PLANT MIX.
5,720	TON	GRADE PG 76-22 OPEN-GRADED ASPHALT FRICTION
100	TON	COURSE, TYPE FC-1 MODIFIED ASPHALT PLANT MIX, PAVEMENT
62,320	LF	REPAIR MILLED RUMBLE STRIPS (ASPHALT
12.98	CY	CEMENT CONCRETE) PIPE COLLARS
43	EA	MASONRY DRAINAGE STRUCTURES
83.5	LF	MASONRY DRAINAGE STRUCTURES
11	EA	FRAME WITH TWO GRATES, STD 840.24
28	EA	FRAME WITH TWO GRATES, STD 840.29
4	EA	FRAME WITH COVER, STD 840.54
1	EA	GENERIC DRAINAGE ITEM BOLT DOWN RING AND COVER
120	LF	1'-6" CONCRETE CURB & GUTTER
40	LF	SHOULDER BERM GUTTER 4" CONCRETE PAVED DITCH
10 1,290	SY SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
10,640	LF	CONCRETE BARRIER, TYPE ****** (SINGLE SLOPE)
460	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
1	EA	ADJUSTMENT OF DROP INLETS
15	EA	IMPACT ATTENUATOR UNIT, TYPE 350
137.5	LF	STEEL BM GUARDRAIL
50	LF	STEEL BM GUARDRAIL, SHOP CURVED
2,487.5	LF	STEEL BM GUARDRAIL, DOUBLE FACED
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
1	EA	GUARDRAIL ANCHOR UNITS, TYPE

6 EA GUARDRAIL ANCHOR UNITS, TYPE B-77 410 LF REMOVE EXISTING GUARDRAIL

25 SY FILTER FABRIC FOR DRAINAGE 604 SF WORK ZONE SIGNS (STATIONARY) 104 SF WORK ZONE SIGNS (PORTABLE)

10 TON RIP RAP, CLASS B

40	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW PANELS, TYPE C
2	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)
160	EA	DRUMS
160	EA	CONES
120	LF	BARRICADES (TYPE III)
960	HR	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
2	EA	TMIA
60	EA	TUBULAR MARKERS (FIXED)
400	LF	GENERIC TRAFFIC CONTROL ITEM DEPARTMENT FURNISHED PORTABLE CONCRETE BARRIER
360	EA	TEMPORARY RAISED PAVEMENT MARKERS
159,878	LF	PAINT PAVEMENT MARKING LINES (4")
980	LF	PAINT PAVEMENT MARKING LINES (8")
120	LF	PAINT PAVEMENT MARKING LINES (24")
84,452	LF	POLYUREA PAVEMENT MARKING LINES (4", *********)
		(HIGHLY REFLECTIVE ELEMENTS)
1,600	LF	POLYUREA PAVEMENT MARKING
		LINES (8", *********) (HIGHLY REFLECTIVE ELEMENTS)
60	LE	
60	LF	POLYUREA PAVEMENT MARKING LINES (24", *********)
		(HIGHLY REFLECTIVE ELEMENTS)
45	EA	POLYUREA PAVEMENT MARKING
		SYMBOL (********)
		(HIGHLY REFLECTIVE ELEMENTS)
900	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,096	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,940	LF	TEMPORARY SILT FENCE
45	TON	STONE FOR EROSION CONTROL,
43	ION	CLASS A
50	TON	STONE FOR EROSION CONTROL, CLASS B
140	TON	SEDIMENT CONTROL STONE
3.5	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEED-ING
620	CY	SILT EXCAVATION
8,770	SY	MATTING FOR EROSION CONTROL
905	LF	1/4" HARDWARE CLOTH
3.5	ACR	SEEDING & MULCHING
2.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.5	TON	FERTILIZER TOPDRESSING
1	HR	SPECIALIZED HAND MOWING
12	EA	RESPONSE FOR EROSION CONTROL
924	SF	PILE PANEL RETAINING WALLS
2,844	SF	GENERIC RETAINING WALL ITEM GABION AND RENO MATTRESS RETAINING WALLS