

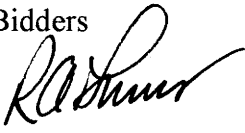


STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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.

DISADVANTAGED BUSINESS ENTERPRISE:

3-20-07

SP1 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.

- (3) 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 than 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 lessees 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.



LETTER OF INTENT TO PERFORM AS A SUBCONTRACTOR

CONTRACT:	NAME OF BIDDER:
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The undersigned intends to perform work in connection with the above contract upon execution of the bid and subsequent award of contract by the Board of Transportation as:

Name of MBE/WBE/DBE Subcontractor _____

Address _____

City _____ State _____ Zip _____

Please check all that apply:

Minority Business Enterprise (MBE) _____

Women Business Enterprise (WBE) _____

Disadvantaged Business Enterprise (DBE) _____

The MBE /WBE /DBE status of the above named subcontractor is certified by the North Carolina Department of Transportation. The above named subcontractor is prepared to perform the described work listed on the attached MBE/WBE/DBE Commitment Items sheet, in connection with the above contract upon execution of the bid and subsequent award of contract by the Board of Transportation. The above named subcontractor is prepared to perform the described work at the estimated Commitment Total for Subcontractor Price identified on the MBE/WBE/DBE Commitment Items sheet and amount indicated below.

Commitment Total based on estimated Unit Prices and Quantities on the "attached" MBE/WBE/DBE Commitment Items sheet. Amount \$ (dollar amount from MBE/WBE/DBE Commitment Items sheet)

The above named bidder and subcontractor mutually accepts the Commitment Total estimated for the Unit Prices and Quantities. This commitment total is based on estimated quantities only and most likely will vary up or down as the project is completed. Final compensation will be based on actual quantities of work performed and accepted during the pursuance of work. The above listed amount represents the entire dollar amount quoted based on these estimated quantities. No conversations, verbal agreements, and/or other forms of non-written representations shall serve to add, delete, or modify the terms as stated.

This document shall not serve in any manner as an actual subcontract between the two parties. A separate subcontractor agreement will describe in detail the contractual obligations of the bidder and the MBE/WBE/DBE subcontractor.

Affirmation

The above named MBE/ WBE/ DBE subcontractor affirms that it will perform the portion(s) of the contract for the estimated dollar value as stated above.

Name of MBE/ WBE/ DBE Subcontractor

Name of Bidder

Signature / Title

Signature / Title

Date

Date



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

August 22, 2006

NOTICE TO: All Invitation to Bid Recipients
FROM: R. A. Garris, P.E. *R.A. Garris*
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 re-advertised.

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 *RAG*
Contract Office

SUBJECT: Erosion and Sediment Control/ Stormwater Certification Training
Level III-A & Level III-B

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

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

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

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

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

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

rce

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

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CHIEF ENGINEER'S OFFICE
1537 MAIL SERVICE CENTER

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

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

LOCATION:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH NC

**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 APR 17, 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., 27699-1509. 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 MARCH 20, 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.

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

===== SUMMARY OF PROPOSALS =====

Bid Letting Number L070417

RPN	Contract Id	WBS	County	Length	JobType
001	C201225	34345.3.13 ETC.	GUILFORD, RANDOLPH	5.301 KM	WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURE.
*002	C201275	34345.3.15	GUILFORD	4.941 KM	GRADING, DRAINAGE, PAVING & STRUCTURE.
003	C201715	34345.3.13 ETC.	GUILFORD, RANDOLPH	10.242 KM	GRADING, DRAINAGE, PAVING & STRUCTURE.
005	C201620	33446.3.1	CRAVEN	0.152 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
006	C201565	33300.3.1	HALIFAX	0.166 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
007	C201742	37740	EDGEcombe	1.449 MI	GRADING, DRAINAGE, WIDENING & PAVING.
008	C201439	35011.3.2	DURHAM	0.373 MI	WIDENING, GRADING, DRAINAGE, PAVING AND CURB & GUTTER.
009	C201728	37620 ETC.	MOORE	14.210 MI	MILLING, SHOULDER RECONSTRUCTION, RESURFACING & SIGNALS.
010	C201745	39692	LEE	0.480 MI	WIDENING, GRADING, DRAINAGE, PAVING & UTILITIES.
011	C201462	34959.3.2	MECKLENBURG	0.781 MI	GRADING, DRAINAGE, CURB & GUTTER, AND PAVING.
012	C201427	33424.2.2	CATAWBA	0.161 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
013	C201497	33438.3.1	CLEVELAND	0.170 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
014	C201779	33169.3.2	BURKE	0.118 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
015	C201502	33539.3.1	MCDOWELL	0.131 MI	GRADING, DRAINAGE, PAVING, SIGNALS, & CULVERT.
016	C201781	37645 ETC.	MCDOWELL	1.927 MI	GRADING, DRAINAGE, PAVING & CULVERT EXTENSION.

Bid Letting Number L070515

RPN	Contract Id	WBS	County	Length	JobType
004	C201550	34407.2.3	BRUNSWICK	4.520 MI	GRADING, DRAINAGE, PAVING, SIGNALS, & STRUCTURES.

***NOTE: THE COST OF PLANS HAS CHANGED FOR THE NOTATED PROJECT:
 SMALL PLANS \$60.00 PER SET
 CROSS SECTIONS \$60.00 PER SET
 LARGE PLANS \$200.00 PER SET**

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 001

CONTRACT ID : C201225 34345.3.13

DIV OFFICE GREENSBORO

LENGTH = 5.301 KM

COUNTY : GUILFORD, RANDOLPH

WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 12.0% COMPLETION DATE : MAY 15 2011

US-311 (HIGH POINT EAST BELT) FROM SOUTH OF I-85 TO NORTH OF SR-1929 (SPENCER RD) FUTURE I-74 CORRIDOR.

ROADWAY ITEMS					
			1	EA	2100 X 1500MM RC PIPE TAPERED INLET, CLASS III
			51.2	M	600MM CS PIPE CULVERTS, 1.63MM THICK
Lump Sum	LS	MOBILIZATION	79.4	M	800MM CS PIPE CULVERTS, 2.01MM THICK
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	FIELD OFFICE	109.2	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
8,995	M3	GENERIC MISCELLANEOUS ITEM CHIPPED TIRE MATERIAL	378	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	CLEARING & GRUBBING ... HECTARE(S)	20.7	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
2.4	HA	SUPPLEMENTARY CLEARING & GRUBBING	25.2	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
15	EA	SEALING ABANDONED WELLS	64.4	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+84.694-Y8-)	40.2	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+84.722-Y9-)	62.4	M	1200MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+65.00 -L-, RT)	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (900MM, 2.01MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+65.00 -L-, LT)	14	EA	300MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+52.41 -Y1-)	26	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (35+60.41 -Y-)	1	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
16,896	M3	UNDERCUT EXCAVATION	2	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
500	MTN	CLASS IV SUBGRADE STABILIZATION	377.6	M	PIPE REMOVAL
10,834	M3	DRAINAGE DITCH EXCAVATION	353	M2	150MM SLOPE PROTECTION
220	M	BERM DITCH CONSTRUCTION	375	M2	GENERIC GRADING ITEM 100MM SLOPE PROTECTION
7,939	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	Lump Sum	LS	FINE GRADING
1,354	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	65,855	M2	LIME TREATED SOIL (SLURRY METHOD)
55	HR	PROOF ROLLING	724	MTN	LIME FOR LIME TREATED SOIL
4,382	M3	SELECT GRANULAR MATERIAL	38	MTN	#57 STONE
4,918	M2	FABRIC FOR SOIL STABILIZATION	953	MTN	STABILIZER AGGREGATE
100	M2	TEMPORARY SHORING - BARRIER SUPPORTED	80,535	M2	***MM SOIL CEMENT BASE (180MM)
295	MTN	SELECT MATERIAL, CLASS IV	2,428	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
2,656	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	564	MTN	AGGREGATE FOR SOIL CEMENT BASE
238.5	M	375MM SIDE DRAIN PIPE	99,533	L	ASPHALT CURING SEAL
158.2	M	450MM SIDE DRAIN PIPE	772	MTN	INCIDENTAL STONE BASE
31.7	M	600MM SIDE DRAIN PIPE	10,583	L	PRIME COAT
398	M	900MM RC PIPE CULVERTS, CLASS III	1,634	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
163.3	M	1050MM RC PIPE CULVERTS, CLASS III	8,636	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
54.8	M	1350MM RC PIPE CULVERTS, CLASS III	7,625	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
195	M	1500MM RC PIPE CULVERTS, CLASS III	27,799	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
141.4	M	1650MM RC PIPE CULVERTS, CLASS III	1,250	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
81.6	M	2100MM RC PIPE CULVERTS, CLASS III	1,717	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
56	M	***MM RC PIPE CULVERTS, CLASS IV (1050MM)	181	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
178	M	***MM RC PIPE CULVERTS, CLASS IV (1350MM)	20,586	M	MILLED RUMBLE STRIPS
205.2	M	***MM RC PIPE CULVERTS, CLASS IV (750MM)	255	EA	RIGHT OF WAY MARKERS
107.2	M	***MM RC PIPE CULVERTS, CLASS IV (900MM)	1,521	M3	SUBDRAIN EXCAVATION
1	EA	***MM PIPE END SECTION (450MM)	850	M3	SUBDRAIN FINE AGGREGATE
1	EA	***MM PIPE END SECTION (750MM)	2,021	M	150MM PERFORATED SUBDRAIN PIPE
2	EA	1500 X 900MM RC PIPE TAPERED INLET, CLASS III	201	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
			13	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
			24	M	150MM OUTLET PIPE (SUBDRAINS)
			5,529	M	SHOULDER DRAIN
			5,529	M	100MM SHOULDER DRAIN PIPE
			615	M	100MM OUTLET PIPE (SHOULDER DRAINS)
			25	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
			28	MTN	BLOTTING SAND

				5	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
				2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
45.46	M3	ENDWALLS		8	EA	SIGN ERECTION, MILEMARKERS
27.53	M3	REINFORCED ENDWALLS		46.21	M3	GENERIC SIGNING ITEM OVERHEAD FOOTINGS
1.53	M3	PIPE COLLARS		44	M2	WORK ZONE SIGNS (STATIONARY)
152	EA	MASONRY DRAINAGE STRUCTURES		46	M2	WORK ZONE SIGNS (PORTABLE)
6.87	M3	MASONRY DRAINAGE STRUCTURES		29	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
25.86	M	MASONRY DRAINAGE STRUCTURES		2	EA	FLASHING ARROW PANELS, TYPE C
4	EA	FRAME WITH GRATE, STD 840.22		1	EA	CHANGEABLE MESSAGE SIGN
3	EA	FRAME WITH TWO GRATES, STD 840.16		4	EA	WARNING FLAG SETS
15	EA	FRAME WITH TWO GRATES, STD 840.20		305	EA	DRUMS
113	EA	FRAME WITH TWO GRATES, STD 840.22		124	EA	CONES
5	EA	FRAME WITH TWO GRATES, STD 840.24		417	M	BARRICADES (TYPE III)
11	EA	FRAME WITH TWO GRATES, STD 840.29		225	MD	FLAGGER
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)		6	EA	TEMPORARY CRASH CUSHIONS
1	EA	FRAME WITH COVER, STD 840.54		2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)
1	EA	CONCRETE APRON FOR DROP INLETS		315	M	PORTABLE CONCRETE BARRIER
2	EA	***MM SLUICE GATE (800MM)		44	EA	TUBULAR MARKERS (FIXED)
5	EA	***MM SLUICE GATE (900MM)		615	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	GENERIC DRAINAGE ITEM HAZARDOUS SPILL/DRY DETENTION BASINS		3,850	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
310	M2	GENERIC GRADING ITEM (M2) ROCK PLATING		3,596	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
280	M2	GENERIC GRADING ITEM (M2) TEMPORARY FABRIC WALL		170	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
323	M	750MM CONCRETE CURB & GUTTER		9	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
2,388	M	SHOULDER BERM GUTTER		12	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
1	EA	MODIFIED CONCRETE FLUME		82,426	M	PAINT PAVEMENT MARKING LINES (100MM)
100	M2	150MM CONCRETE DRIVEWAY		271	M	PAINT PAVEMENT MARKING LINES (200MM)
30	M2	100MM CONCRETE PAVED DITCH		120	M	PAINT PAVEMENT MARKING LINES (600MM)
2,140	M2	125MM MONOLITHIC CONCRETE IS- LANDS (KEYED IN)		4	EA	PAINT PAVEMENT MARKING CHARAC- TER
6,130.29	M	STEEL BM GUARDRAIL		24	EA	PAINT PAVEMENT MARKING SYMBOL
217.17	M	STEEL BM GUARDRAIL, SHOP CURVED		18,001	M	POLYUREA PAVEMENT MARKING LINES (100MM)
8	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS		14,130	M	POLYUREA PAVEMENT MARKING LINES (150MM)
20	EA	ADDITIONAL GUARDRAIL POSTS		29	EA	POLYUREA PAVEMENT MARKING SYMBOL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1		1,067	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
13	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1		665	EA	PERMANENT RAISED PAVEMENT MARKERS
22	EA	GUARDRAIL ANCHOR UNITS, TYPE III		495	EA	SNOWPLOWABLE PAVEMENT MARKERS
41	EA	GUARDRAIL ANCHOR UNITS, TYPE 350		20	EA	FLEXIBLE DELINEATORS (CRYSTAL)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350		25	EA	FLEXIBLE DELINEATORS (YELLOW)
5,565	M	CABLE GUIDERAIL		5	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
23	EA	CABLE GUIDERAIL ANCHOR UNITS		5	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
15,041	M	WOVEN WIRE FENCE, 1200MM FAB- RIC		6	EA	OBJECT MARKERS (END OF ROAD)
2,878	EA	100MM TIMBER FENCE POSTS, 2.30M LONG		2	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (VI)
825	EA	125MM TIMBER FENCE POSTS, 2.50M LONG		2	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
600	M	ADDITIONAL BARBED WIRE		20	MTN	PAVEMENT REPAIR FOR UTILITY WORK
921	MTN	PLAIN RIP RAP, CLASS I		21	M	150MM DI WATER PIPE, PC 2.41MPA
145	MTN	PLAIN RIP RAP, CLASS II		36.7	M	400MM DI WATER PIPE, PC ***MPA (2.41MPA)
34	MTN	PLAIN RIP RAP, CLASS A		2,100	KG	DI RESTRAINED JOINT WATER PIPE FITTINGS, 1.72MPA MIN WP
1,308	MTN	PLAIN RIP RAP, CLASS B		9.5	M	20MM COPPER WATER PIPE, TYPE K
245	MTN	BOULDERS		1	EA	RELOCATE EXISTING WATER METER
17,745	M2	FILTER FABRIC FOR DRAINAGE		2	EA	RELOCATE EXISTING FIRE HYDRANT
13	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON		72	M	***MM STEEL ENCASMENT PIPE, ****MM THICK, BY OPEN CUT (600MM, 6.35MM)
2	EA	GENERIC EROSION CONTROL ITEM LEVEL SPREADER		6,734	M	TEMPORARY SILT FENCE
3	M3	REINFORCED CONCRETE SIGN FOOT- INGS		2,883	MTN	STONE FOR EROSION CONTROL, CLASS A
1,418	KG	SUPPORTS, BREAKAWAY STEEL BEAM		21,496	MTN	STONE FOR EROSION CONTROL, CLASS B
413	M	SUPPORTS, 4.5KG STEEL U-CHANNEL		10,443	MTN	SEDIMENT CONTROL STONE
8	EA	SUPPORTS, 3KG STEEL U-CHANNEL		72.2	HA	TEMPORARY MULCHING
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (74+00.00)		3,289	KG	SEED FOR TEMPORARY SEEDING
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (90+20.00)		26.25	MTN	FERTILIZER FOR TEMPORARY SEED- ING
8	EA	SIGN ERECTION, TYPE D		1,651	M	TEMPORARY SLOPE DRAINS
36	EA	SIGN ERECTION, TYPE E				
17	EA	SIGN ERECTION, TYPE F				

114	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	226.6	M	1200MM RC PIPE CULVERTS, CLASS III
5,614	M	SAFETY FENCE			*** OR ***
346,926	M3	SILT EXCAVATION	1,638.2	M	375MM RC PIPE CULVERTS, CLASS III
27,868	M2	MATTING FOR EROSION CONTROL			
210	M2	COIR FIBER MAT	181.2	M	450MM RC PIPE CULVERTS, CLASS III
7,432	M2	PERMANENT SOIL REINFORCEMENT MAT	225.6	M	600MM RC PIPE CULVERTS, CLASS III
718	M	6.4MM HARDWARE CLOTH			
30	M	***MM TEMPORARY PIPE (450MM)	365.6	M	750MM RC PIPE CULVERTS, CLASS III
1,233	M3	STILLING BASINS	219.4	M	1200MM RC PIPE CULVERTS, CLASS III
87.4	HA	SEEDING & MULCHING			
41.4	HA	MOWING	7.2	M	GENERIC PIPE ITEM 1200MM HDPE PIPE CULVERTS
779	KG	SEED FOR REPAIR SEEDING			
3.29	MTN	FERTILIZER FOR REPAIR SEEDING	687.9	M	GENERIC PIPE ITEM 375MM HDPE PIPE CULVERTS
2,188	KG	SEED FOR SUPPLEMENTAL SEEDING			
146.25	MTN	FERTILIZER TOPDRESSING	1,043.4	M	GENERIC PIPE ITEM 450MM HDPE PIPE CULVERTS
186	M	IMPERVIOUS DIKE	803.3	M	GENERIC PIPE ITEM 600MM HDPE PIPE CULVERTS
37	HR	SPECIALIZED HAND MOWING			
2,469	M3	CULVERT DIVERSION CHANNEL	335.2	M	GENERIC PIPE ITEM 750MM HDPE PIPE CULVERTS
2.62	HA	REFORESTATION			*** OR ***
3	EA	GENERIC EROSION CONTROL ITEM 102MM SKIMMER	1,638.2	M	375MM RC PIPE CULVERTS, CLASS III
23	EA	GENERIC EROSION CONTROL ITEM 51MM SKIMMER	181.2	M	450MM RC PIPE CULVERTS, CLASS III
9	EA	GENERIC EROSION CONTROL ITEM 64MM SKIMMER	225.6	M	600MM RC PIPE CULVERTS, CLASS III
7	EA	GENERIC EROSION CONTROL ITEM 76MM SKIMMER	365.6	M	750MM RC PIPE CULVERTS, CLASS III
84	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR EROSION CONTROL	219.4	M	1200MM RC PIPE CULVERTS, CLASS III
860	M	GENERIC EROSION CONTROL ITEM COIR FIBER BAFFLE			
190	M	SIGNAL CABLE	7.2	M	GENERIC PIPE ITEM 1200MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
3	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)			
3	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)	687.9	M	GENERIC PIPE ITEM 400MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
1,250	M	MESSENGER CABLE (6.35MM)			
100	M	MESSENGER CABLE (9.52MM)			
120	M	TRACER WIRE	1,043.4	M	GENERIC PIPE ITEM 450MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
265	M	TRENCHING (UNPAVED)			
60	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, *****MM (** CONDUIT) (50MM, 1)	803.3	M	GENERIC PIPE ITEM 600MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
9	EA	JUNCTION BOX (STANDARD SIZE)			
5	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	335.2	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
2	EA	WOOD POLE			
10	EA	GUY ASSEMBLY			
1	EA	25MM RISER WITH WEATHERHEAD			
1	EA	50MM RISER WITH WEATHERHEAD			
3	EA	50MM RISER WITH HEAT SHRINK TUBING			*** END SCHEDULE AA ***
175	M	INDUCTIVE LOOP SAWCUT			***** BEGIN SCHEDULE AB *****
545	M	LEAD-IN CABLE	901,350	M3	UNCLASSIFIED EXCAVATION
1,240	M	COMMUNICATIONS CABLE (**FIBER) (12)	510,992	M3	BORROW EXCAVATION
3	EA	INTERCONNECT CENTER	104,422	MTN	AGGREGATE BASE COURSE
1	EA	FURNISH FIBER-OPTIC TRANSCEIVER	27,742	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
4	EA	SOIL TEST	29,533	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
1	EA	SIGNAL CABINET FOUNDATION	3,573	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			*** OR ***
4	EA	DETECTOR CARD (TYPE 2070L)	915,000	M3	UNCLASSIFIED EXCAVATION
1	EA	GENERIC SIGNAL ITEM CABINET BASE EXTENDER	505,000	M3	BORROW EXCAVATION
3	EA	GENERIC SIGNAL ITEM FIBER-OPTIC TRANSCEIVER SELF-HEALING RING	31,375	MTN	AGGREGATE BASE COURSE
4	EA	GENERIC SIGNAL ITEM METAL STRAIN SIGNAL POLE	53,454	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
18	M3	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION	37,052	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
			5,102	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
					*** END SCHEDULE AB ***

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

CULVERT ITEMS

2,326.1	M	375MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (12+23.000-Y9-)
1,224.6	M	450MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+72.00-RAMP A-)
1,028.9	M	600MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+99.00-L-)
700.8	M	750MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	CULVERT EXCAVATION, STA ***** (76+90.000-L-)

912.6	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
1,803.1	M3	CLASS A CONCRETE (CULVERT)
128,771	KG	REINFORCING STEEL (CULVERT)
Lump Sum	LS	GENERIC CULVERT ITEM PRECAST REINF CONC THREE-SIDED CULVERT AT STATION 63+06.00-L-

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 35+60.41-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 64+02.541-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 83+34.392-L-)
15.2	M	PILE EXCAVATION IN SOIL
8.5	M	PILE EXCAVATION NOT IN SOIL
3,885.9	M2	REINFORCED CONCRETE DECK SLAB
771.4	M2	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)
5,043.4	M2	GROOVING BRIDGE FLOORS
72	M3	CLASS AA CONCRETE (BRIDGE)
613.4	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (108+24.11-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+65.00 -L- LT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+65.00 -L- RT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (35+60.41-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (64+02.541-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (83+34.392-L-)
60,274	KG	REINFORCING STEEL (BRIDGE)
618	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
899	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
563,418	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
549,500	LS	APPROX KG STRUCTURAL STEEL
1,343.9	M	HP310X79 STEEL PILES
66	EA	STEEL PILE POINTS
134,736	M	TWO BAR METAL RAIL
613,947	M	CONCRETE BARRIER RAIL
139,412	M	*** X ****MM CONCRETE PARAPET (355MM X 760MM)
2,878	M2	100MM SLOPE PROTECTION
1,190.4	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
1,218.9	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 002

CONTRACT ID : C201275 34345.3.15

DIV OFFICE GREENSBORO

LENGTH = 4.941 KM

COUNTY : GUILFORD

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 11.0% COMPLETION DATE : MAY 15 2011

US-311 (HIGH POINT EAST BELT) FROM US-29 & 70 TO I-85 NORTH OF ARCHDALE.

ROADWAY ITEMS					
			177.6	M	****MM RC PIPE CULVERTS, CLASS IV (1800MM)
Lump Sum	LS	MOBILIZATION	60	M	****MM RC PIPE CULVERTS, CLASS IV (2100MM)
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	88.8	M	****MM RC PIPE CULVERTS, CLASS IV (450MM)
2	HA	SUPPLEMENTARY CLEARING & GRUBBING	85.2	M	****MM RC PIPE CULVERTS, CLASS IV (600MM)
5	EA	SEALING ABANDONED WELLS			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+61.464 -Y3-)	93.6	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+66.293 -Y1-)	297.6	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+41.484 -Y2-)	160.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+26.763 -FLY-)	96	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+25.789 -SBCD-)	24	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+32.418 -NBCD-)	12	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+01.765 -FLY-)	8.4	M	1000MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (27+10.159 -Y6- NB)	18	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (27+12.087 -Y6- SB)	3	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
18,900	M3	UNDERCUT EXCAVATION	4	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
500	MTN	CLASS IV SUBGRADE STABILIZATION	2	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
43,395	M3	DRAINAGE DITCH EXCAVATION	284.4	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1050MM, 2.77MM)
1,475	M	BERM DITCH CONSTRUCTION	132	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1350MM, 2.77MM)
35,400	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	867	M	PIPE REMOVAL
6,630	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	725	M2	150MM SLOPE PROTECTION
70	HR	PROOF ROLLING	1,550	M2	GENERIC GRADING ITEM 100MM SLOPE PROTECTION
5,000	M3	SELECT GRANULAR MATERIAL	Lump Sum	LS	FINE GRADING
2,500	M2	FABRIC FOR SOIL STABILIZATION	131,000	M2	LIME TREATED SOIL (SLURRY METHOD)
2,400	MTN	ROCK EMBANKMENT	1,460	MTN	LIME FOR LIME TREATED SOIL
16,450	MTN	SELECT MATERIAL, CLASS II	120	MTN	#57 STONE
14,825	MTN	SELECT MATERIAL, CLASS IV	1,000	MTN	STABILIZER AGGREGATE
3,100	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	88,180	M2	****MM SOIL CEMENT BASE (180MM)
190.8	M	375MM SIDE DRAIN PIPE	2,650	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
6	M	450MM SIDE DRAIN PIPE	600	MTN	AGGREGATE FOR SOIL CEMENT BASE
171.6	M	****MM RC PIPE CULVERTS, CLASS *** (1800MM, V)	148,400	L	ASPHALT CURING SEAL
105.6	M	1050MM RC PIPE CULVERTS, CLASS III	4,500	MTN	INCIDENTAL STONE BASE
60	M	1350MM RC PIPE CULVERTS, CLASS III	7,300	L	PRIME COAT
195.6	M	1500MM RC PIPE CULVERTS, CLASS III	6,300	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
112.8	M	1650MM RC PIPE CULVERTS, CLASS III	2,625	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
15.6	M	1800MM RC PIPE CULVERTS, CLASS III	17,300	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
154.8	M	****MM RC PIPE CULVERTS, CLASS IV (1050MM)	6,000	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
51.6	M	****MM RC PIPE CULVERTS, CLASS IV (1200MM)	17,550	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
276	M	****MM RC PIPE CULVERTS, CLASS IV (1350MM)	915	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
90	M	****MM RC PIPE CULVERTS, CLASS IV (1650MM)	1,629	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
			19,700	M	MILLED RUMBLE STRIPS
			1,010	M2	****MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (280MM)
			11,765	M2	****MM PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (280MM)

				2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
				3	EA	GENERIC EROSION CONTROL ITEM DRY DETENTION DRAW DOWN STRUCTURE
27,150	MTN	GENERIC PAVING ITEM ASPHALT CONC SURFACE COURSE, TYPE S9.5D		34	M3	REINFORCED CONCRETE SIGN FOOTINGS
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	10,939	KG		SUPPORTS, BREAKAWAY STEEL BEAM
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	3,536	KG		SUPPORTS, SIMPLE STEEL BEAM
184	EA	RIGHT OF WAY MARKERS	1,721	M		SUPPORTS, 4.5KG STEEL U-CHANNEL
2,070	M3	SUBDRAIN EXCAVATION	42	EA		SUPPORTS, 3KG STEEL U-CHANNEL
1,035	M3	SUBDRAIN FINE AGGREGATE	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (11+00-L-)
2,500	M	150MM PERFORATED SUBDRAIN PIPE	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (15+28-RAMP C-)
250	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (1609M FROM 6+70-Y6-)
17	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (17+20-Y6-)
34	M	150MM OUTLET PIPE (SUBDRAINS)	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (22+80-Y6-)
8,480	M	SHOULDER DRAIN	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (26+00-L-)
8,480	M	100MM SHOULDER DRAIN PIPE	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (26+50-Y6-)
540	M	100MM OUTLET PIPE (SHOULDER DRAINS)	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (27+00-L-)
45	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (27+80-Y6-)
26.6	M3	ENDWALLS	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (3+54-RAMP B-)
37	M3	REINFORCED ENDWALLS	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (31+00-Y6-)
11.19	M3	PIPE COLLARS	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (36+20-Y6-)
1	M3	PIPE PLUGS	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (39+20-Y6-)
196	EA	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (41+80-L-)
18.2	M3	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (42+00-Y6-)
48.406	M	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (43+00-L-)
18	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (50+20-Y6-)
141	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (53+10-L-)
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (55+00-Y6-)
12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (58+40-L-)
6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (6+70-Y6-)
5	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (66+20-Y6-)
5	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (67+20-Y6-)
Lump Sum	LS	GENERIC DRAINAGE ITEM EMERGENCY SPILL BASINS	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (79+20-Y6-)
2,225	M	750MM CONCRETE CURB & GUTTER	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (79+20-Y6-)
4	EA	MODIFIED CONCRETE FLUME	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (8+43-L-)
1,050	M	CONCRETE EXPRESSWAY GUTTER	Lump Sum	LS		OVERHEAD SIGN ASSEMBLY AT STA ***** (95+00-Y6-)
12	M2	CONCRETE WHEELCHAIR RAMPS	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-1 @ 420M BEYOND MM119)
205	M2	150MM CONCRETE DRIVEWAY	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
100	M2	100MM CONCRETE PAVED DITCH	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
410	M	CONCRETE BARRIER, TYPE ***** (PRECAST PERMANENT)	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
120	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
1	EA	ADJUSTMENT OF CATCH BASINS	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
1	EA	ADJUSTMENT OF DROP INLETS	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
1	EA	ADJUSTMENT OF MANHOLES	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
7,403.21	M	STEEL BM GUARDRAIL	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
10	EA	ADDITIONAL GUARDRAIL POSTS	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
29	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
31	EA	GUARDRAIL ANCHOR UNITS, TYPE III	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
55	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
5	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
3	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
3,500	M	DOUBLE FACED CABLE GUIDERAIL	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
18	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
12,530	M	WOVEN WIRE FENCE, 1200MM FABRIC	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
2,550	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
710	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
300	M	ADDITIONAL BARBED WIRE	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
1	EA	DOUBLE GATES, *****MM HIGH, *****MM WIDE, *****MM OPENING (1200MM, 3000MM, 6000MM)	Lump Sum	LS		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-**" (DMS-2 @ 20M BEYOND MM109)
865	MTN	PLAIN RIP RAP, CLASS I	20	EA		SIGN ERECTION, TYPE D
45	MTN	PLAIN RIP RAP, CLASS A	100	EA		SIGN ERECTION, TYPE E
3,460	MTN	PLAIN RIP RAP, CLASS B	89	EA		SIGN ERECTION, TYPE F
165	MTN	BOULDERS	8	EA		SIGN ERECTION, TYPE *** (OVERHEAD) (A)
10,560	M2	FILTER FABRIC FOR DRAINAGE				

			59,092	M	PAINT PAVEMENT MARKING LINES (150MM)
			8,156	M	PAINT PAVEMENT MARKING LINES (300MM)
53	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	132	M	PAINT PAVEMENT MARKING LINES (600MM)
18	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	64,200	M	POLYUREA PAVEMENT MARKING LINES (150MM)
42	EA	SIGN ERECTION, MILEMARKERS	6,000	M	POLYUREA PAVEMENT MARKING LINES (300MM)
32	EA	SIGN ERECTION, OVERLAY (OVERHEAD)	35	M	POLYUREA PAVEMENT MARKING LINES (600MM)
29	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)	24	EA	POLYUREA PAVEMENT MARKING CHARACTER
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (15+28-RAMP C-)	82	EA	POLYUREA PAVEMENT MARKING SYMBOL
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (17+20-Y6-)	2,116	M	REMOVAL OF PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (22+80-Y6-)	270	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (26+50-Y6-)	2,845	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (27+80-Y6-)	4	EA	30.5M HIGH MOUNT STANDARD
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (31+00-Y6-)	1	EA	PORTABLE DRIVE UNIT
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (36+20-Y6-)	21.41	M3	HIGH MOUNT FOUNDATIONS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (39+20-Y6-)	24	EA	HIGH MOUNT LUMINAIRES ***** (750W HPS)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (42+00-Y6-)	1	EA	ELECTRIC SERVICE POLES *** ***** (9.1M CLASS 4)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (43+00-L-)	20	M	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (53+10-L-)	1	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (58+40-L-)	117	M	ELECTRICAL DUCT, TYPE BD, SIZE ***** (TS2)
4	EA	RELOCATE SIGN, TYPE ***** (A, GROUND MOUNT)	61	M	ELECTRICAL DUCT, TYPE JA, SIZE ***** (TS3)
40	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	82	M	ELECTRICAL DUCT, TYPE JA, SIZE ***** (TS4)
97	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	86	M	**#8 W/G FEEDER CIRCUIT (2)
2	EA	DISPOSAL OF SIGN SYSTEM, WOOD	160	M	**#6 W/G FEEDER CIRCUIT (2)
9	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	86	M	**#4 W/G FEEDER CIRCUIT (2)
1,001	M3	GENERIC SIGNING ITEM OVERHEAD FOOTINGS	271	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)
203	M2	WORK ZONE SIGNS (STATIONARY)	377	M	***#6 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)
12	M2	WORK ZONE SIGNS (PORTABLE)	285	M	***#4 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)
17	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	6	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)
4	EA	FLASHING ARROW PANELS, TYPE C	3	EA	ELECTRICAL JUNCTION BOXES ***** (PC24)
2	EA	CHANGEABLE MESSAGE SIGN	2,482	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
638	EA	DRUMS	2,482	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)
219	M	BARRICADES (TYPE III)	219	MTN	PAVEMENT REPAIR FOR UTILITY WORK
1,080	MD	FLAGGER	63	M	150MM DI WATER PIPE, PC 2.41MPA
11	EA	TEMPORARY CRASH CUSHIONS	65	M	300MM DI WATER PIPE, PC 2.41MPA
3	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)	41	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (200MM, 2.41MPA)
3,434	M	PORTABLE CONCRETE BARRIER	123	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (300MM, 2.41MPA)
1,146	M	PORTABLE CONCRETE BARRIER (DRAINAGE)	1,191	KG	DI RESTRAINED JOINT WATER PIPE FITTINGS, 1.72MPA MIN WP
4,577	EA	TEMPORARY RAISED PAVEMENT MARKERS	92	M	20MM COPPER WATER PIPE, TYPE K
6,990	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	612	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP
7,932	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	2	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
25	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	1	EA	200MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA)
40,973	M	PAINT PAVEMENT MARKING LINES (100MM)	2	EA	300MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA)
			1	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)

			3.5	MTN	FERTILIZER FOR REPAIR SEEDING
			2,250	KG	SEED FOR SUPPLEMENTAL SEEDING
			134	MTN	FERTILIZER TOPDRESSING
8	EA	RELOCATE EXISTING WATER METER	85	M	IMPERVIOUS DIKE
3	EA	REMOVE EXISTING WATER METER	21.5	HR	SPECIALIZED HAND MOWING
6	EA	RELOCATE EXISTING FIRE HYDRANT	1,250	M3	CULVERT DIVERSION CHANNEL
690.2	M	200MM PVC SEWER PIPE, SDR ** (26)	2	HA	REFORESTATION
126.3	M	200MM DI SEWER PIPE, PC 2.41MPA	1.2	HA	STREAMBANK REFORESTATION
423.5	M	***MM RC SEWER PIPE, CLASS *** (525MM,CL V)	4	EA	GENERIC EROSION CONTROL ITEM 102MM SKIMMER
7	EA	SANITARY SEWER CLEAN-OUT	89	EA	GENERIC EROSION CONTROL ITEM 51MM SKIMMER
2	EA	*****MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH (1800MM)	23	EA	GENERIC EROSION CONTROL ITEM 64MM SKIMMER
21	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	9	EA	GENERIC EROSION CONTROL ITEM 76MM SKIMMER
9	EA	1500MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	48	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR EROSION CONTROL
35.2	M	PRECAST CONC MANHOLE WALL, *****MM DIA, OVER 1.8M HT (1200MM)	2,750	M	GENERIC EROSION CONTROL ITEM COIR FIBER BAFFLE
66.3	M	PRECAST CONC MANHOLE WALL, *****MM DIA, OVER 1.8M HT (1500MM)	585	M	SIGNAL CABLE
1	M	PRECAST CONC MANHOLE WALL, *****MM DIA, OVER 1.8M HT (1800MM)	17	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
3.4	M	SEWER MANHOLE OUTSIDE DROP ASSEMBLY	2	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
44	M	REMOVE ABANDONED ***MM PIPE (450MM)	945	M	MESSENGER CABLE (6.35MM)
30	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (150MM, CI WATER)	300	M	MESSENGER CABLE (9.52MM)
201	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, TC SEWER)	6,600	M	TRACER WIRE
120	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (300MM, DI WATER)	510	M	TRENCHING (UNPAVED)
809	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (450MM, CONC SEWER)	2,012	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (2)
18	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (500MM, DI SEWER)	16	EA	JUNCTION BOX (STANDARD SIZE)
387	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (525MM, CONC SEWER)	13	EA	WOOD POLE
17	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	44	EA	GUY ASSEMBLY
2	EA	REMOVE EXISTING MANHOLE	3	EA	25MM RISER WITH WEATHERHEAD
106.9	M	***MM STEEL ENCASUREMENT PIPE, *****MM THICK, BY OPEN CUT (600MM, 6.35MM)	14	EA	50MM RISER WITH WEATHERHEAD
20	EA	STEEL PILE PIERS	13	EA	50MM RISER WITH HEAT SHRINK TUBING
2	EA	GENERIC UTILITY ITEM INSTALL & REMOVE FIRE HYDRANT	625	M	INDUCTIVE LOOP SAWCUT
6	EA	GENERIC UTILITY ITEM REMOVE EXISTING STEEL PIER	1,180	M	LEAD-IN CABLE
170	M	GENERIC UTILITY ITEM 600MM DIRJ SEWER PIPE, PC 2.41MPA	1,092	M	COMMUNICATIONS CABLE (**FIBER) (12)
1,094	M	GENERIC UTILITY ITEM 600MM FIBERGLASS SEWER PIPE	19,206	M	COMMUNICATIONS CABLE (**FIBER) (24)
11,000	M	TEMPORARY SILT FENCE	488	M	DROP CABLE
7,200	MTN	STONE FOR EROSION CONTROL, CLASS A	6	EA	AERIAL SPLICE ENCLOSURE
14,000	MTN	STONE FOR EROSION CONTROL, CLASS B	12	EA	INTERCONNECT CENTER
11,440	MTN	SEDIMENT CONTROL STONE	42	EA	DELINEATOR MARKER
84	HA	TEMPORARY MULCHING	1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
3,350	KG	SEED FOR TEMPORARY SEEDING	9	EA	SIGN FOR SIGNALS
27	MTN	FERTILIZER FOR TEMPORARY SEEDING	2	EA	SIGNAL CABINET FOUNDATION
580	M	TEMPORARY SLOPE DRAINS	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
40	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	6	EA	DETECTOR CARD (TYPE 2070L)
6,880	M	SAFETY FENCE	1	EA	CONTROLLER WITH CABINET (NEMA TS-2, TYPE 2 CONTROLLER, TYPE 1 CABINET, BASE MOUNTED)
392,700	M3	SILT EXCAVATION	14	EA	DETECTOR CARD (NEMA TS-2)
11,300	M2	MATTING FOR EROSION CONTROL	2	EA	GENERIC SIGNAL ITEM 1:8 VIDEO DE-MULTIPLER
1,750	M2	COIR FIBER MAT	2	EA	GENERIC SIGNAL ITEM 8:1 VIDEO MULTIPLER
700	M2	PERMANENT SOIL REINFORCEMENT MAT	2	EA	GENERIC SIGNAL ITEM CABINET BASE EXTENDER
265	M	6.4MM HARDWARE CLOTH	8	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY
1	EA	***X ***X***MM PERFORATED CS PIPE TEE RISER, 2.01MM THICK (800MM X 800MM X 800MM)	8	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
240	M3	STILLING BASINS	2	EA	GENERIC SIGNAL ITEM DESKTOP JOYSTICK CONTROLLER
20	EA	SPECIAL STILLING BASINS	3	EA	GENERIC SIGNAL ITEM FIBER-OPTIC TRANSCEIVER SELF-HEALING RING
80	HA	SEEDING & MULCHING	2	EA	GENERIC SIGNAL ITEM FURNISH 1:8 VIDEO DE-MULTI-PLER
47.5	HA	MOWING	2	EA	GENERIC SIGNAL ITEM FURNISH 8:1 VIDEO MULTIPLER
1,025	KG	SEED FOR REPAIR SEEDING	2	EA	GENERIC SIGNAL ITEM FURNISH SMFO 10/100 ETHERNET TRANSCEIVER
			2	EA	GENERIC SIGNAL ITEM FURNISH SMFO VIDEO RECEIVER (CENTRAL)
			2	EA	GENERIC SIGNAL ITEM FURNISH SMFO VIDEO TRANSCEIVER (FIELD)
			16	EA	GENERIC SIGNAL ITEM FUSION SPLICE 1 FIBER
			16	EA	GENERIC SIGNAL ITEM FUSION SPLICE 2 FIBERS
			1	EA	GENERIC SIGNAL ITEM FUSION SPLICE 3 FIBERS

			736.8	M	600MM RC PIPE CULVERTS, CLASS III	
			214.8	M	750MM RC PIPE CULVERTS, CLASS III	
1	EA	GENERIC SIGNAL ITEM FUSION SPLICE 4 FIBERS	166.8	M	900MM RC PIPE CULVERTS, CLASS III	
4	EA	GENERIC SIGNAL ITEM FUSION SPLICE 5 FIBERS	128.4	M	1200MM RC PIPE CULVERTS, CLASS III	
10	EA	GENERIC SIGNAL ITEM FUSION SPLICE 6 FIBERS	12	M	GENERIC PIPE ITEM 1200MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.77MM THICK	
52	EA	GENERIC SIGNAL ITEM JUNCTION BOX (OVER-SIZED)				
1	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE	1,429.2	M	GENERIC PIPE ITEM 400MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK	
8	EA	GENERIC SIGNAL ITEM MODIFY EXISTING INTERCONNECT CENTER	561.6	M	GENERIC PIPE ITEM 450MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK	
8	EA	GENERIC SIGNAL ITEM NEW ELECTRICAL SERVICE				
2	EA	GENERIC SIGNAL ITEM NEW PHONE SERVICE	502	M	GENERIC PIPE ITEM 600MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK	
2	EA	GENERIC SIGNAL ITEM SMFO 10/100 ETHERNET TRANS-CEIVER	476.4	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK	
8	EA	GENERIC SIGNAL ITEM SMFO VIDEO TRANSCEIVER (CENTRAL)				
8	EA	GENERIC SIGNAL ITEM SMFO VIDEO TRANSCEIVER (FIELD)	12	M	GENERIC PIPE ITEM 900MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK	
3	EA	GENERIC SIGNAL ITEM TRANSCEIVER RACK WITH POWER SUPPLY				
1	EA	GENERIC SIGNAL ITEM VIDEO SWITCH				*** END SCHEDULE AA ***
Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN "DMS-1"				***** BEGIN SCHEDULE AB ***** (2 ALTERNATES) *****
Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN "DMS-2"	1,472,000	M3	UNCLASSIFIED EXCAVATION	
Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-1"	75,200	M3	BORROW EXCAVATION	
Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-2"	138,250	MTN	AGGREGATE BASE COURSE	
Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-1"	73,800	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-2"	41,650	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D	
Lump Sum	LS	GENERIC SIGNAL ITEM SYSTEM INTEGRATION	4,801	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
4,588	M	GENERIC SIGNAL ITEM TRENCH/PLOW UNDERGROUND CONDUIT (31.75MM, 2 CONDUITS)	3,011	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
						*** OR ***
			1,455,900	M3	UNCLASSIFIED EXCAVATION	
			83,600	M3	BORROW EXCAVATION	
			51,300	MTN	AGGREGATE BASE COURSE	
			130,600	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
3,027.6	M	375MM RC PIPE CULVERTS, CLASS III	45,400	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D	
1,504.8	M	450MM RC PIPE CULVERTS, CLASS III	7,241	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
1,238.8	M	600MM RC PIPE CULVERTS, CLASS III	3,183	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
691.2	M	750MM RC PIPE CULVERTS, CLASS III				
178.8	M	900MM RC PIPE CULVERTS, CLASS III				*** END SCHEDULE AB ***
140.4	M	1200MM RC PIPE CULVERTS, CLASS III				
						*** OR ***
1,598.4	M	375MM RC PIPE CULVERTS, CLASS III				Lump Sum LS CULVERT EXCAVATION, STA ***** (33+42.000 -L-)
943.2	M	450MM RC PIPE CULVERTS, CLASS III				Lump Sum LS CULVERT EXCAVATION, STA ***** (45+88.000 -L-)
736.8	M	600MM RC PIPE CULVERTS, CLASS III	1,050	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	
214.8	M	750MM RC PIPE CULVERTS, CLASS III	1,941.4	M3	CLASS A CONCRETE (CULVERT)	
166.8	M	900MM RC PIPE CULVERTS, CLASS III	145,604	KG	REINFORCING STEEL (CULVERT)	
128.4	M	1200MM RC PIPE CULVERTS, CLASS III				
12	M	GENERIC PIPE ITEM 1200MM HDPE PIPE CULVERTS				
1,429.2	M	GENERIC PIPE ITEM 375MM HDPE PIPE CULVERTS				Lump Sum LS REMOVAL OF EXISTING STRUCTURE AT STATION ***** (28+77.454 -L-)
561.6	M	GENERIC PIPE ITEM 450MM HDPE PIPE CULVERTS				Lump Sum LS FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,13+45.031 -L-)
502	M	GENERIC PIPE ITEM 600MM HDPE PIPE CULVERTS				Lump Sum LS FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,38+45.624 -L-)
476.4	M	GENERIC PIPE ITEM 750MM HDPE PIPE CULVERTS				Lump Sum LS FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,13+45.031 -L-)
12	M	GENERIC PIPE ITEM 900MM HDPE PIPE CULVERTS				Lump Sum LS FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,38+45.624 -L-)
						*** OR ***
1,598.4	M	375MM RC PIPE CULVERTS, CLASS III				Lump Sum LS FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,13+45.031 -L-)
943.2	M	450MM RC PIPE CULVERTS, CLASS III				Lump Sum LS FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,13+45.031 -L-)

CULVERT ITEMS

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,19+26.763 -FLY-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,38+45.624 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,51+85.394 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+13.020 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+65.808 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+93.640 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,19+26.763 -FLY-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,19+26.763 -FLY-)
119.8	M	PILE EXCAVATION IN SOIL
212.4	M	PILE EXCAVATION NOT IN SOIL
19.8	M	1066MM DIA DRILLED PIERS IN SOIL
14.4	M	1220MM DIA DRILLED PIERS IN SOIL
61	M	1066MM DIA DRILLED PIERS NOT IN SOIL
12	M	1220MM DIA DRILLED PIERS NOT IN SOIL
7	EA	SID INSPECTION
2	EA	CROSSHOLE SONIC LOGGING
11,636	M2	REINFORCED CONCRETE DECK SLAB
11,615.1	M2	GROOVING BRIDGE FLOORS
1,463.3	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+45.031 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+26.763 -FLY-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+77.454 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (38+45.624 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (51+85.394 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+13.020 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+65.808 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+93.640 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (54+36.375 -L-)
155,361	KG	REINFORCING STEEL (BRIDGE)
8,576	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,270,400	LS	APPROX KG STRUCTURAL STEEL
1,319.2	M	HP310X79 STEEL PILES
512.392	M	TWO BAR METAL RAIL
1,189.51	M	CONCRETE BARRIER RAIL
526.516	M	*** X ****MM CONCRETE PARAPET (355MM X 915MM)
4,056	M2	100MM SLOPE PROTECTION
1,530	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
1,500	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 003

CONTRACT ID : C201715 34345.3.13

DIV OFFICE GREENSBORO

LENGTH = 10.242 KM

COUNTY : GUILFORD, RANDOLPH

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 12.0% COMPLETION DATE : MAY 15 2011

US-311 (HIGH POINT EAST BELT) FROM US-29 & 70 TO NORTH OF SR-1929 (SPENCER RD) FUTURE I-74 CORRIDOR.

ROADWAY ITEMS					
			31.7	M	600MM SIDE DRAIN PIPE
			171.6	M	****MM RC PIPE CULVERTS, CLASS *** (1800MM, V)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING	398	M	900MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	FIELD OFFICE			
8,995	M3	GENERIC MISCELLANEOUS ITEM CHIPPED TIRE MATERIAL	268.9	M	1050MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	CLEARING & GRUBBING ... HEC- TARE(S)	114.8	M	1350MM RC PIPE CULVERTS, CLASS III
4.4	HA	SUPPLEMENTARY CLEARING & GRUB- BING	390.6	M	1500MM RC PIPE CULVERTS, CLASS III
20	EA	SEALING ABANDONED WELLS	254.2	M	1650MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+61.464 -Y3-)	15.6	M	1800MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (12+66.293 -Y1-)	81.6	M	2100MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+41.484 -Y2-)	210.8	M	****MM RC PIPE CULVERTS, CLASS IV (1050MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+84.694 -Y8-)	51.6	M	****MM RC PIPE CULVERTS, CLASS IV (1200MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+84.722 -Y9-)	454	M	****MM RC PIPE CULVERTS, CLASS IV (1350MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+26.763 -FLY-)	90	M	****MM RC PIPE CULVERTS, CLASS IV (1650MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+25.789 -SBCD-)	177.6	M	****MM RC PIPE CULVERTS, CLASS IV (1800MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+32.418 -NBCD-)	60	M	****MM RC PIPE CULVERTS, CLASS IV (2100MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+01.765 -FLY-)	88.8	M	****MM RC PIPE CULVERTS, CLASS IV (450MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+65.00 -L-, RT)	85.2	M	****MM RC PIPE CULVERTS, CLASS IV (600MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+65.00 -L-, LT)	205.2	M	****MM RC PIPE CULVERTS, CLASS IV (750MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (27+10.159 -Y6- NB)	200.8	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (27+12.087 -Y6- SB)	1	EA	***MM PIPE END SECTION (450MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+52.41 -Y1-)	1	EA	***MM PIPE END SECTION (750MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (35+60.41 -Y-)	2	EA	1500 X 900MM RC PIPE TAPERED INLET, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (35+60.41 -Y-)	1	EA	2100 X 1500MM RC PIPE TAPERED INLET, CLASS III
35,796	M3	UNDERCUT EXCAVATION	51.2	M	600MM CS PIPE CULVERTS, 1.63MM THICK
1,000	MTN	CLASS IV SUBGRADE STABILIZA- TION	79.4	M	800MM CS PIPE CULVERTS, 2.01MM THICK
54,229	M3	DRAINAGE DITCH EXCAVATION	109.2	M	300MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
1,695	M	BERM DITCH CONSTRUCTION	675.6	M	400MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
43,339	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	181.5	M	450MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
6,630	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	121.2	M	600MM BIT COAT CS PIPE CUL- VERTS, TYPE B 1.63MM THICK
1,354	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	88.4	M	800MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.01MM THICK
125	HR	PROOF ROLLING	52.2	M	900MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.01MM THICK
9,382	M3	SELECT GRANULAR MATERIAL	8.4	M	1000MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.77MM THICK
7,418	M2	FABRIC FOR SOIL STABILIZATION			
100	M2	TEMPORARY SHORING - BARRIER SUPPORTED	62.4	M	1200MM BIT COAT CS PIPE CUL- VERTS, TYPE B 2.77MM THICK
2,400	MTN	ROCK EMBANKMENT			
16,450	MTN	SELECT MATERIAL, CLASS II	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (900MM, 2.01MM)
15,120	MTN	SELECT MATERIAL, CLASS IV			
5,756	MTN	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	14	EA	300MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
429.3	M	375MM SIDE DRAIN PIPE	44	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
164.2	M	450MM SIDE DRAIN PIPE			

			5	EA	FRAME WITH TWO GRATES, STD 840.24
			11	EA	FRAME WITH TWO GRATES, STD 840.29
4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	8	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
4	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
4	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK	6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
284.4	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1050MM, 2.77MM)	6	EA	FRAME WITH COVER, STD 840.54
132	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1350MM, 2.77MM)	5	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
1,244.6	M	PIPE REMOVAL	1	EA	CONCRETE APRON FOR DROP INLETS
1,078	M2	150MM SLOPE PROTECTION	2	EA	*****MM SLUICE GATE (800MM)
1,925	M2	GENERIC GRADING ITEM 100MM SLOPE PROTECTION	5	EA	*****MM SLUICE GATE (900MM)
Lump Sum	LS	FINE GRADING	Lump Sum	LS	GENERIC DRAINAGE ITEM EMERGENCY SPILL BASINS
196,855	M2	LIME TREATED SOIL (SLURRY METHOD)	Lump Sum	LS	GENERIC DRAINAGE ITEM HAZARDOUS SPILL/DRY DETENTION BASINS
2,184	MTN	LIME FOR LIME TREATED SOIL	310	M2	GENERIC GRADING ITEM (M2) ROCK PLATING
158	MTN	#57 STONE	280	M2	GENERIC GRADING ITEM (M2) TEMPORARY FABRIC WALL
1,953	MTN	STABILIZER AGGREGATE	2,548	M	750MM CONCRETE CURB & GUTTER
168,715	M2	***MM SOIL CEMENT BASE (180MM)	2,388	M	SHOULDER BERM GUTTER
5,078	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	5	EA	MODIFIED CONCRETE FLUME
1,164	MTN	AGGREGATE FOR SOIL CEMENT BASE	1,050	M	CONCRETE EXPRESSWAY GUTTER
247,933	L	ASPHALT CURING SEAL	12	M2	CONCRETE WHEELCHAIR RAMPS
5,272	MTN	INCIDENTAL STONE BASE	305	M2	150MM CONCRETE DRIVEWAY
17,883	L	PRIME COAT	130	M2	100MM CONCRETE PAVED DITCH
7,934	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	2,140	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)
11,261	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	410	M	CONCRETE BARRIER, TYPE ***** (PRECAST PERMANENT)
13,625	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	120	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
45,349	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	1	EA	ADJUSTMENT OF CATCH BASINS
2,165	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	1	EA	ADJUSTMENT OF DROP INLETS
1,629	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	1	EA	ADJUSTMENT OF MANHOLES
181	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR	13,533.5	M	STEEL BM GUARDRAIL
40,286	M	MILLED RUMBLE STRIPS	217.17	M	STEEL BM GUARDRAIL, SHOP CURVED
1,010	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (280MM)	8	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
11,765	M2	***MM PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (280MM)	30	EA	ADDITIONAL GUARDRAIL POSTS
27,150	MTN	GENERIC PAVING ITEM ASPHALT CONC SURFACE COURSE, TYPE S9.5D	4	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	42	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	53	EA	GUARDRAIL ANCHOR UNITS, TYPE III
439	EA	RIGHT OF WAY MARKERS	96	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
3,591	M3	SUBDRAIN EXCAVATION	7	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
1,885	M3	SUBDRAIN FINE AGGREGATE	3	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
4,521	M	150MM PERFORATED SUBDRAIN PIPE	5,565	M	CABLE GUIDERAIL
451	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	3,500	M	DOUBLE FACED CABLE GUIDERAIL
30	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	41	EA	CABLE GUIDERAIL ANCHOR UNITS
58	M	150MM OUTLET PIPE (SUBDRAINS)	27,571	M	WOVEN WIRE FENCE, 1200MM FABRIC
14,009	M	SHOULDER DRAIN	5,428	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
14,009	M	100MM SHOULDER DRAIN PIPE	1,535	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
1,155	M	100MM OUTLET PIPE (SHOULDER DRAINS)	900	M	ADDITIONAL BARBED WIRE
70	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	1	EA	DOUBLE GATES, *****MM HIGH, *****MM WIDE, *****MM OPENING (1200MM, 3000MM, 6000MM)
28	MTN	BLOTTING SAND	1,786	MTN	PLAIN RIP RAP, CLASS I
72.06	M3	ENDWALLS	145	MTN	PLAIN RIP RAP, CLASS II
64.53	M3	REINFORCED ENDWALLS	79	MTN	PLAIN RIP RAP, CLASS A
12.72	M3	PIPE COLLARS	4,768	MTN	PLAIN RIP RAP, CLASS B
1	M3	PIPE PLUGS	410	MTN	BOULDERS
348	EA	MASONRY DRAINAGE STRUCTURES	28,305	M2	FILTER FABRIC FOR DRAINAGE
25.07	M3	MASONRY DRAINAGE STRUCTURES	15	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
74.266	M	MASONRY DRAINAGE STRUCTURES	3	EA	GENERIC EROSION CONTROL ITEM DRY DETENTION DRAW DOWN STRUCTURE
4	EA	FRAME WITH GRATE, STD 840.22	2	EA	GENERIC EROSION CONTROL ITEM LEVEL SPREADER
3	EA	FRAME WITH TWO GRATES, STD 840.16	37	M3	REINFORCED CONCRETE SIGN FOOTINGS
33	EA	FRAME WITH TWO GRATES, STD 840.20	12,357	KG	SUPPORTS, BREAKAWAY STEEL BEAM
254	EA	FRAME WITH TWO GRATES, STD 840.22	3,536	KG	SUPPORTS, SIMPLE STEEL BEAM

				58	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
2,134	M	SUPPORTS, 4.5KG STEEL U-CHANNEL		20	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
50	EA	SUPPORTS, 3KG STEEL U-CHANNEL		50	EA	SIGN ERECTION, MILEMARKERS
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (11+00-L-)		32	EA	SIGN ERECTION, OVERLAY (OVER- HEAD)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (15+28-RAMP C-)		29	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (1609M FROM 6+70-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (15+28-RAMP C-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (17+20-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (17+20-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (22+80-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (22+80-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (26+00-L-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (26+50-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (26+50-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (27+80-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (27+00-L-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (31+00-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (27+80-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (36+20-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (3+54-RAMP B-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (39+20-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (31+00-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (42+00-Y6-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (36+20-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (43+00-L-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (39+20-Y6-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (53+10-L-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (41+80-L-)		Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (58+40-L-)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (42+00-Y6-)		4	EA	RELOCATE SIGN, TYPE ***** (A, GROUND MOUNT)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (43+00-L-)		40	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (50+20-Y6-)		97	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (53+10-L-)		2	EA	DISPOSAL OF SIGN SYSTEM, WOOD
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (55+00-Y6-)		9	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (58+40-L-)		1,047.21	M3	GENERIC SIGNING ITEM OVERHEAD FOOTINGS
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (6+70-Y6-)		247	M2	WORK ZONE SIGNS (STATIONARY)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (66+20-Y6-)		58	M2	WORK ZONE SIGNS (PORTABLE)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (74+00.00)		46	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (79+20-Y6-)		6	EA	FLASHING ARROW PANELS, TYPE C
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (8+43-L-)		3	EA	CHANGEABLE MESSAGE SIGN
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (90+20.00)		4	EA	WARNING FLAG SETS
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (95+00-Y6-)		943	EA	DRUMS
Lump Sum	LS	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS.*" (DMS-1 @ 420M BEYOND MM119)		124	EA	CONES
Lump Sum	LS	OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS.*" (DMS-2 @ 20M BEYOND MM109)		636	M	BARRICADES (TYPE III)
28	EA	SIGN ERECTION, TYPE D		1,305	MD	FLAGGER
136	EA	SIGN ERECTION, TYPE E		17	EA	TEMPORARY CRASH CUSHIONS
106	EA	SIGN ERECTION, TYPE F		2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)
8	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (A)		3	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)
				3,749	M	PORTABLE CONCRETE BARRIER
				1,146	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
				44	EA	TUBULAR MARKERS (FIXED)
				5,192	EA	TEMPORARY RAISED PAVEMENT MARKERS
				10,840	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
				11,528	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
				170	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)

			2,482	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)	
			239	MTN	PAVEMENT REPAIR FOR UTILITY WORK	
	34	M		84	M	150MM DI WATER PIPE, PC 2.41MPA
	12	EA		65	M	300MM DI WATER PIPE, PC 2.41MPA
123,399	M			36.7	M	400MM DI WATER PIPE, PC ***MPA (2.41MPA)
59,092	M			41	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (200MM, 2.41MPA)
	271	M		123	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (300MM, 2.41MPA)
8,156	M			3,291	KG	DI RESTRAINED JOINT WATER PIPE FITTINGS, 1.72MPA MIN WP
	252	M		101.5	M	20MM COPPER WATER PIPE, TYPE K
	4	EA		612	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP
	24	EA		2	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
18,001	M			1	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA)
78,330	M			2	EA	300MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA)
6,000	M			1	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)
	35	M		9	EA	RELOCATE EXISTING WATER METER
	24	EA		3	EA	REMOVE EXISTING WATER METER
111	EA			8	EA	RELOCATE EXISTING FIRE HYDRANT
1,067	M			690.2	M	200MM PVC SEWER PIPE, SDR ** (26)
2,116	M			126.3	M	200MM DI SEWER PIPE, PC 2.41MPA
	935	EA		423.5	M	***MM RC SEWER PIPE, CLASS *** (525MM,CL V)
3,340	EA			7	EA	SANITARY SEWER CLEAN-OUT
20	EA			2	EA	***MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH (1800MM)
25	EA			21	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH
5	EA			9	EA	1500MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH
	5	EA		35.2	M	PRECAST CONC MANHOLE WALL, ***MM DIA, OVER 1.8M HT (1200MM)
	6	EA		66.3	M	PRECAST CONC MANHOLE WALL, ***MM DIA, OVER 1.8M HT (1500MM)
	4	EA		1	M	PRECAST CONC MANHOLE WALL, ***MM DIA, OVER 1.8M HT (1800MM)
	1	EA		3.4	M	SEWER MANHOLE OUTSIDE DROP ASSEMBLY
21.41	M3			44	M	REMOVE ABANDONED ***MM PIPE (450MM)
24	EA			30	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (150MM, CI WATER)
	1	EA		201	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, TC SEWER)
	20	M		120	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (300MM, DI WATER)
	1	EA		809	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (450MM, CONC SEWER)
	117	M		18	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (500MM, DI SEWER)
	61	M		387	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (525MM, CONC SEWER)
	82	M		17	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE
	86	M		2	EA	REMOVE EXISTING MANHOLE
	160	M		178.9	M	***MM STEEL ENCASMENT PIPE, ***MM THICK, BY OPEN CUT (600MM, 6.35MM)
	86	M		20	EA	STEEL PILE PIERS
	271	M		2	EA	GENERIC UTILITY ITEM INSTALL & REMOVE FIRE HYDRANT
	377	M		6	EA	GENERIC UTILITY ITEM REMOVE EXISTING STEEL PIER
	285	M		170	M	GENERIC UTILITY ITEM 600MM DIRJ SEWER PIPE, PC 2.41MPA
	6	EA		1,094	M	GENERIC UTILITY ITEM 600MM FIBERGLASS SEWER PIPE
	3	EA		17,734	M	TEMPORARY SILT FENCE
2,484	MTN					
	2	MTN				

10,083	MTN	STONE FOR EROSION CONTROL, CLASS A	10	EA	DETECTOR CARD (TYPE 2070L)
35,496	MTN	STONE FOR EROSION CONTROL, CLASS B	1	EA	CONTROLLER WITH CABINET (NEMA TS-2, TYPE 2 CONTROLLER, TYPE 1 CABINET, BASE MOUNTED)
21,883	MTN	SEDIMENT CONTROL STONE	14	EA	DETECTOR CARD (NEMA TS-2)
156.2	HA	TEMPORARY MULCHING	2	EA	GENERIC SIGNAL ITEM 1:8 VIDEO DE-MULTIPLEXER
6,639	KG	SEED FOR TEMPORARY SEEDING	2	EA	GENERIC SIGNAL ITEM 8:1 VIDEO MULTIPLEXER
53.25	MTN	FERTILIZER FOR TEMPORARY SEEDING	3	EA	GENERIC SIGNAL ITEM CABINET BASE EXTENDER
2,231	M	TEMPORARY SLOPE DRAINS	8	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY
154	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	8	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
12,494	M	SAFETY FENCE	2	EA	GENERIC SIGNAL ITEM DESKTOP JOYSTICK CONTROLLER
739,626	M3	SILT EXCAVATION	6	EA	GENERIC SIGNAL ITEM FIBER-OPTIC TRANSCEIVER SELF-HEALING RING
39,168	M2	MATTING FOR EROSION CONTROL	2	EA	GENERIC SIGNAL ITEM FURNISH 1:8 VIDEO DE-MULTIPLEXER
1,960	M2	COIR FIBER MAT	2	EA	GENERIC SIGNAL ITEM FURNISH 8:1 VIDEO MULTIPLEXER
8,132	M2	PERMANENT SOIL REINFORCEMENT MAT	2	EA	GENERIC SIGNAL ITEM FURNISH SMFO 10/100 ETHERNET TRANSCEIVER
983	M	6.4MM HARDWARE CLOTH	2	EA	GENERIC SIGNAL ITEM FURNISH SMFO VIDEO RECEIVER (CENTRAL)
30	M	***MM TEMPORARY PIPE (450MM)	2	EA	GENERIC SIGNAL ITEM FURNISH SMFO VIDEO TRANSCEIVER (FIELD)
1	EA	***X ***X***MM PERFORATED CS PIPE TEE RISER, 2.01MM THICK (800MM X 800MM X 800MM)	16	EA	GENERIC SIGNAL ITEM FUSION SPLICE 1 FIBER
1,473	M3	STILLING BASINS	16	EA	GENERIC SIGNAL ITEM FUSION SPLICE 2 FIBERS
20	EA	SPECIAL STILLING BASINS	1	EA	GENERIC SIGNAL ITEM FUSION SPLICE 3 FIBERS
167.4	HA	SEEDING & MULCHING	1	EA	GENERIC SIGNAL ITEM FUSION SPLICE 4 FIBERS
88.9	HA	MOWING	4	EA	GENERIC SIGNAL ITEM FUSION SPLICE 5 FIBERS
1,804	KG	SEED FOR REPAIR SEEDING	10	EA	GENERIC SIGNAL ITEM FUSION SPLICE 6 FIBERS
6.79	MTN	FERTILIZER FOR REPAIR SEEDING	52	EA	GENERIC SIGNAL ITEM JUNCTION BOX (OVER-SIZED)
4,438	KG	SEED FOR SUPPLEMENTAL SEEDING	4	EA	GENERIC SIGNAL ITEM METAL STRAIN SIGNAL POLE
280.25	MTN	FERTILIZER TOPDRESSING	1	EA	GENERIC SIGNAL ITEM MODIFY EXISTING ELECTRICAL SERVICE
271	M	IMPERVIOUS DIKE	8	EA	GENERIC SIGNAL ITEM MODIFY EXISTING INTERCONNECT CENTER
58.5	HR	SPECIALIZED HAND MOWING	8	EA	GENERIC SIGNAL ITEM NEW ELECTRICAL SERVICE
3,719	M3	CULVERT DIVERSION CHANNEL	2	EA	GENERIC SIGNAL ITEM NEW PHONE SERVICE
4.62	HA	REFORESTATION	2	EA	GENERIC SIGNAL ITEM SMFO 10/100 ETHERNET TRANSCEIVER
1.2	HA	STREAMBANK REFORESTATION	8	EA	GENERIC SIGNAL ITEM SMFO VIDEO TRANSCEIVER (CENTRAL)
7	EA	GENERIC EROSION CONTROL ITEM 102MM SKIMMER	8	EA	GENERIC SIGNAL ITEM SMFO VIDEO TRANSCEIVER (FIELD)
112	EA	GENERIC EROSION CONTROL ITEM 51MM SKIMMER	3	EA	GENERIC SIGNAL ITEM TRANSCEIVER RACK WITH POWER SUPPLY
32	EA	GENERIC EROSION CONTROL ITEM 64MM SKIMMER	1	EA	GENERIC SIGNAL ITEM VIDEO SWITCH
16	EA	GENERIC EROSION CONTROL ITEM 76MM SKIMMER	Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN "DMS-1"
132	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR EROSION CONTROL	Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN "DMS-2"
3,610	M	GENERIC EROSION CONTROL ITEM COIR FIBER BAFFLE	Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-1"
775	M	SIGNAL CABLE	Lump Sum	LS	GENERIC SIGNAL ITEM DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-2"
20	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	Lump Sum	LS	GENERIC SIGNAL ITEM SYSTEM INTEGRATION
5	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)	4,588	M	GENERIC SIGNAL ITEM TRENCH/PLOW UNDERGROUND CONDUIT (31.75MM, 2 CONDUITS)
2,195	M	MESSENGER CABLE (6.35MM)	18	M3	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION
400	M	MESSENGER CABLE (9.52MM)			
6,720	M	TRACER WIRE			
775	M	TRENCHING (UNPAVED)			
60	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, *****MM (** CONDUIT) (50MM, 1)			
2,012	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (2)			
25	EA	JUNCTION BOX (STANDARD SIZE)			
5	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			
15	EA	WOOD POLE			
54	EA	GUY ASSEMBLY			
4	EA	25MM RISER WITH WEATHERHEAD			
15	EA	50MM RISER WITH WEATHERHEAD			
16	EA	50MM RISER WITH HEAT SHRINK TUBING			
800	M	INDUCTIVE LOOP SAWCUT			
1,725	M	LEAD-IN CABLE			
2,332	M	COMMUNICATIONS CABLE (**FIBER) (12)			
19,206	M	COMMUNICATIONS CABLE (**FIBER) (24)			
488	M	DROP CABLE			
6	EA	AERIAL SPLICE ENCLOSURE			
15	EA	INTERCONNECT CENTER			
42	EA	DELINEATOR MARKER			
2	EA	FURNISH FIBER-OPTIC TRANSCEIVER			
4	EA	SOIL TEST			
9	EA	SIGN FOR SIGNALS			
3	EA	SIGNAL CABINET FOUNDATION	5,353.7	M	375MM RC PIPE CULVERTS, CLASS III
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			

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

2,729.4	M	450MM RC PIPE CULVERTS, CLASS III
2,267.7	M	600MM RC PIPE CULVERTS, CLASS III
1,392	M	750MM RC PIPE CULVERTS, CLASS III
178.8	M	900MM RC PIPE CULVERTS, CLASS III
367	M	1200MM RC PIPE CULVERTS, CLASS III
*** OR ***		
3,236.6	M	375MM RC PIPE CULVERTS, CLASS III
1,124.4	M	450MM RC PIPE CULVERTS, CLASS III
962.4	M	600MM RC PIPE CULVERTS, CLASS III
580.4	M	750MM RC PIPE CULVERTS, CLASS III
166.8	M	900MM RC PIPE CULVERTS, CLASS III
347.8	M	1200MM RC PIPE CULVERTS, CLASS III
19.2	M	GENERIC PIPE ITEM 1200MM HDPE PIPE CULVERTS
2,117.1	M	GENERIC PIPE ITEM 375MM HDPE PIPE CULVERTS
1,605	M	GENERIC PIPE ITEM 450MM HDPE PIPE CULVERTS
1,305.3	M	GENERIC PIPE ITEM 600MM HDPE PIPE CULVERTS
811.6	M	GENERIC PIPE ITEM 750MM HDPE PIPE CULVERTS
12	M	GENERIC PIPE ITEM 900MM HDPE PIPE CULVERTS
*** OR ***		
3,236.6	M	375MM RC PIPE CULVERTS, CLASS III
1,124.4	M	450MM RC PIPE CULVERTS, CLASS III
962.4	M	600MM RC PIPE CULVERTS, CLASS III
580.4	M	750MM RC PIPE CULVERTS, CLASS III
166.8	M	900MM RC PIPE CULVERTS, CLASS III
347.8	M	1200MM RC PIPE CULVERTS, CLASS III
7.2	M	GENERIC PIPE ITEM 1200MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
12	M	GENERIC PIPE ITEM 1200MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.77MM THICK
2,117.1	M	GENERIC PIPE ITEM 400MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
1,605	M	GENERIC PIPE ITEM 450MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
1,305.3	M	GENERIC PIPE ITEM 600MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
335.2	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 1.63MM THICK
476.4	M	GENERIC PIPE ITEM 800MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK
12	M	GENERIC PIPE ITEM 900MM ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, 2.01MM THICK

*** END SCHEDULE AA ***

***** BEGIN SCHEDULE AB *****
 ***** (2 ALTERNATES) *****

2,373,350	M3	UNCLASSIFIED EXCAVATION
586,192	M3	BORROW EXCAVATION
242,672	MTN	AGGREGATE BASE COURSE
101,542	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
46,833	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
41,650	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D

8,374	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
4,728	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
*** OR ***		
2,370,900	M3	UNCLASSIFIED EXCAVATION
588,600	M3	BORROW EXCAVATION
82,675	MTN	AGGREGATE BASE COURSE
184,054	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
54,352	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
45,400	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D
12,343	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
4,900	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22

*** END SCHEDULE AB ***

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (12+23.000-Y9-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+72.00-RAMP A-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (33+42.000 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+88.000 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+99.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (76+90.000-L-)
1,962.6	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
3,744.5	M3	CLASS A CONCRETE (CULVERT)
274,375	KG	REINFORCING STEEL (CULVERT)
Lump Sum	LS	GENERIC CULVERT ITEM PRECAST REINF CONC THREE-SIDED CULVERT AT STATION 63+06.00-L-

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (28+77.454 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,13+45.031-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (1,38+45.624 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,13+45.031 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,38+45.624 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 35+60.41-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 64+02.541-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 83+34.392-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,13+45.031 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,19+26.763 -FLY-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,38+45.624 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,51+85.394 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+13.020 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+65.808 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,52+93.640 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,19+26.763 -FLY-)

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,19+26.763 -FLY-)	Lump Sum	LS	EXPANSION JOINT SEALS
135	M	PILE EXCAVATION IN SOIL			
220.9	M	PILE EXCAVATION NOT IN SOIL			
19.8	M	1066MM DIA DRILLED PIERS IN SOIL			
14.4	M	1220MM DIA DRILLED PIERS IN SOIL			
61	M	1066MM DIA DRILLED PIERS NOT IN SOIL			
12	M	1220MM DIA DRILLED PIERS NOT IN SOIL			
7	EA	SID INSPECTION			
2	EA	CROSSHOLE SONIC LOGGING			
15,521.9	M2	REINFORCED CONCRETE DECK SLAB			
771.4	M2	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)			
16,658.5	M2	GROOVING BRIDGE FLOORS			
72	M3	CLASS AA CONCRETE (BRIDGE)			
2,076.7	M3	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (108+24.11-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (13+45.031 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+26.763 -FLY-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+65.00 -L- LT LN)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+65.00 -L- RT LN)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+77.454 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (35+60.41-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (38+45.624 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (51+85.394 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+13.020 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+65.808 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+93.640 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (54+36.375 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (64+02.541-L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (83+34.392-L-)			
215,635	KG	REINFORCING STEEL (BRIDGE)			
618	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)			
9,475	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
563.418	M	MODIFIED 1600MM PRESTRESSED CONC GIRDBERS			
2,819,900	LS	APPROX KG STRUCTURAL STEEL			
2,663.1	M	HP310X79 STEEL PILES			
66	EA	STEEL PILE POINTS			
647.128	M	TWO BAR METAL RAIL			
1,803.457	M	CONCRETE BARRIER RAIL			
139.412	M	*** X ***MM CONCRETE PARAPET (355MM X 760MM)			
526.516	M	*** X ***MM CONCRETE PARAPET (355MM X 915MM)			
6,934	M2	100MM SLOPE PROTECTION			
2,720.4	MTN	PLAIN RIP RAP CLASS II (600MM THICK)			
2,718.9	M2	FILTER FABRIC FOR DRAINAGE			
Lump Sum	LS	POT BEARINGS			
Lump Sum	LS	ELASTOMERIC BEARINGS			
Lump Sum	LS	EVAZOTE JOINT SEALS			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 005

CONTRACT ID : C201620 33446.3.1

DIV OFFICE WILMINGTON

LENGTH = 0.152 MI

COUNTY : CRAVEN

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER BRANCH OF UPPER BROAD RIVER & APPROACHES ON SR-1615.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (STA 21+45 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
200	CY	UNDERCUT EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
100	SY	FABRIC FOR SOIL STABILIZATION
60	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
24	LF	24" SIDE DRAIN PIPE
100	TON	INCIDENTAL STONE BASE
580	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
500	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
60	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
23	CY	SUBDRAIN EXCAVATION
17	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
42	LF	SHOULDER BERM GUTTER
675	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
3	TON	RIP RAP, CLASS B
185	SY	FILTER FABRIC FOR DRAINAGE
355	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
5	EA	DRUMS
36	EA	CONES
64	LF	BARRICADES (TYPE III)
80	HR	FLAGGER
6,400	LF	PAINT PAVEMENT MARKING LINES (4")
10	EA	PERMANENT RAISED PAVEMENT MARKERS
498	LF	6" WATER LINE
2	EA	6" VALVE
2	EA	RECONNECT WATER METER
Lump Sum	LS	GENERIC UTILITY ITEM PIER ADJUSTMENTS
1,175	LF	TEMPORARY SILT FENCE
50	TON	STONE FOR EROSION CONTROL, CLASS A
20	TON	STONE FOR EROSION CONTROL, CLASS B
50	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
50	LF	TEMPORARY SLOPE DRAINS
2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
20	CY	SILT EXCAVATION
175	SY	MATting FOR EROSION CONTROL
225	LF	1/4" HARDWARE CLOTH
1.5	ACR	SEEDING & MULCHING

1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION
***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****		
48	LF	18" RC PIPE CULVERTS, CLASS III
*** OR ***		
32	LF	18" RC PIPE CULVERTS, CLASS III
16	LF	**** HDPE PIPE CULVERTS (18")
*** OR ***		
32	LF	18" RC PIPE CULVERTS, CLASS III
16	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (18", 0.064")
*** END SCHEDULE AA ***		

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (21+45.00 -L-)
1	EA	PDA TESTING
1	EA	PDA ASSISTANCE
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (21+45.00 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (21+45.00 -L-)
720	LF	HP12X53 STEEL PILES
320	LF	HP14X73 STEEL PILES
23	EA	PILE REDRIVES
215	TON	RIP RAP CLASS II (2'-0" THICK)
Lump Sum	LS	CONSTRUCTION OF SUBSTRUCTURE
Lump Sum	LS	CONSTRUCTION OF SUPERSTRUCTURE

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 006

CONTRACT ID : C201565 33300.3.1

DIV OFFICE WILSON

LENGTH = 0.166 MI

COUNTY : HALIFAX

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2008

BRIDGE OVER MARSH SWAMP AND APPROACHES ON NC-561.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+42.25)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
100	CY	UNDERCUT EXCAVATION
75	CY	DRAINAGE DITCH EXCAVATION
1,900	CY	SELECT GRANULAR MATERIAL
1,900	SY	FABRIC FOR SOIL STABILIZATION
18	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
24	LF	*** SIDE DRAIN PIPE (30")
32	LF	15" SIDE DRAIN PIPE
32	LF	15" RC PIPE CULVERTS, CLASS III
16	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
24	LF	PIPE REMOVAL
675	TON	AGGREGATE BASE COURSE
100	TON	INCIDENTAL STONE BASE
490	GAL	PRIME COAT
325	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
869	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
71	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
13	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
8	EA	RIGHT OF WAY MARKERS
23	CY	SUBDRAIN EXCAVATION
17	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.20
45	LF	SHOULDER BERM GUTTER
600	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
300	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
185	TON	RIP RAP, CLASS II
2	TON	RIP RAP, CLASS B
1,010	SY	FILTER FABRIC FOR DRAINAGE
162	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
52	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
55	EA	DRUMS
60	EA	CONES
48	LF	BARRICADES (TYPE III)
50	MD	FLAGGER
1	EA	TMIA
143	EA	TEMPORARY RAISED PAVEMENT MARKERS
1,758	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2,295	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)

24,364	LF	PAINT PAVEMENT MARKING LINES (4")
7,660	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
48	EA	PERMANENT RAISED PAVEMENT MARKERS
786	LF	12" WATER LINE
470	LF	ABANDON 12" UTILITY PIPE
662	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
90	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL
2,240	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
480	TON	STONE FOR EROSION CONTROL, CLASS B
420	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
215	LF	TEMPORARY SLOPE DRAINS
9	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
350	LF	SAFETY FENCE
630	CY	SILT EXCAVATION
170	SY	MATTING FOR EROSION CONTROL
40	LF	1/4" HARDWARE CLOTH
12	EA	SPECIAL STILLING BASINS
2	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.5	TON	FERTILIZER TOPDRESSING
3	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.8	ACR	WETLAND REFORESTATION
0.8	ACR	GENERIC EROSION CONTROL ITEM DISKING
0.8	ACR	GENERIC EROSION CONTROL ITEM RIPPING

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (17+42.25 -L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (17+42.25 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+42.25 -L-)
148.8	LF	3'-6" DIA DRILLED PIERS IN SOIL
60	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
148.3	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
1	EA	SID INSPECTION
3	EA	SPT TESTING
1	EA	CROSSHOLE SONIC LOGGING
1,245	CY	UNCLASSIFIED STRUCTURE EXCAVATION
71	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+42.25 -L-)
24,113	LB	REINFORCING STEEL (BRIDGE)
4,726	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
500	LF	HP12X53 STEEL PILES
360	LF	CONCRETE BARRIER RAIL

724	TON	RIP RAP CLASS II (2'-0" THICK)
804	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
2,514.75	LF	3'-0" X 2'-3" PRESTRESSED CONC BOX BEAMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L070417 007

CONTRACT ID : C201742 37740

DIV OFFICE WILSON

LENGTH = 1.449 MI

COUNTY : EDGECOMBE

GRADING, DRAINAGE, WIDENING & PAVING.

MBE GOAL 2.0% WBE 4.0% COMPLETION DATE : MAY 01 2008

NC-97 FROM WEST OF SR-1400 (SPRING FIELD RD) TO EAST OF SR-1442 (DEER RUN RD).

		ROADWAY ITEMS				
				1	EA	CHANGEABLE MESSAGE SIGN
				100	EA	DRUMS
				4,000	HR	FLAGGER
				2	EA	TEMPORARY CRASH CUSHIONS
				1	EA	RESET TEMPORARY CRASH CUSHIONS
				250	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
				125	LF	RESET PORTABLE CONCRETE BARRIER (ANCHORED)
				100	EA	TEMPORARY RAISED PAVEMENT MARKERS
				100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
				16,500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
				750	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
				60	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
				90	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
				50,000	LF	PAINT PAVEMENT MARKING LINES (4")
				60	LF	PAINT PAVEMENT MARKING LINES (24")
				200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
				400	EA	PERMANENT RAISED PAVEMENT MARKERS
				8,800	LF	TEMPORARY SILT FENCE
				50	TON	STONE FOR EROSION CONTROL, CLASS B
				120	TON	SEDIMENT CONTROL STONE
				5	ACR	TEMPORARY MULCHING
				4,000	LB	SEED FOR TEMPORARY SEEDING
				2	TON	FERTILIZER FOR TEMPORARY SEEDING
				100	LF	TEMPORARY SLOPE DRAINS
				5	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
				500	LF	SAFETY FENCE
				450	CY	SILT EXCAVATION
				1,000	SY	MATTING FOR EROSION CONTROL
				200	SY	PERMANENT SOIL REINFORCEMENT MAT
				1,200	LF	1/4" HARDWARE CLOTH
				2	EA	SPECIAL STILLING BASINS
				13	ACR	SEEDING & MULCHING
				13	ACR	MOWING
				2,000	LB	SEED FOR REPAIR SEEDING
				2	TON	FERTILIZER FOR REPAIR SEEDING
				1,000	LB	SEED FOR SUPPLEMENTAL SEEDING
				150	LF	IMPERVIOUS DIKE
				10	HR	SPECIALIZED HAND MOWING
				12	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR EROSION CONTROL
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	GRADING				
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING				
3,000	CY	UNDERCUT EXCAVATION				
3,630	TON	CLASS IV SUBGRADE STABILIZATION				
688	CY	DRAINAGE DITCH EXCAVATION				
8,000	SY	FABRIC FOR SOIL STABILIZATION				
2,000	SF	TEMPORARY SHORING				
510	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS				
3,894	LF	15" RC PIPE CULVERTS, CLASS III				
742	LF	18" RC PIPE CULVERTS, CLASS III				
124	LF	24" RC PIPE CULVERTS, CLASS III				
12	LF	36" RC PIPE CULVERTS, CLASS III				
12	LF	54" RC PIPE CULVERTS, CLASS III				
1,064	LF	PIPE REMOVAL				
630	TON	INCIDENTAL STONE BASE				
500	SY	INCIDENTAL MILLING				
3,400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B				
10,400	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B				
775	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22				
150	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR				
23	CY	SUBDRAIN EXCAVATION				
17	CY	SUBDRAIN FINE AGGREGATE				
100	LF	6" PERFORATED SUBDRAIN PIPE				
3	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS				
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET				
6	LF	6" OUTLET PIPE (SUBDRAINS)				
5	CY	REINFORCED ENDWALLS				
3.34	CY	PIPE COLLARS				
0.31	CY	PIPE PLUGS				
52	EA	MASONRY DRAINAGE STRUCTURES				
6	LF	MASONRY DRAINAGE STRUCTURES				
14	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)				
17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)				
21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)				
94	CY	CONCRETE BLOCK MASONRY RETAINING WALLS				
13,600	LF	2'-6" CONCRETE CURB & GUTTER				
600	SY	6" CONCRETE DRIVEWAY				
75	SY	4" CONCRETE PAVED DITCH				
2	EA	ADJUSTMENT OF MANHOLES				
2	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES				
875	LF	STEEL BM GUARDRAIL				
10	EA	ADDITIONAL GUARDRAIL POSTS				
5	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1				
10	EA	GUARDRAIL ANCHOR UNITS, TYPE 350				
242	LF	REMOVE EXISTING GUARDRAIL				
40	TON	PLAIN RIP RAP, CLASS B				
240	SY	FILTER FABRIC FOR DRAINAGE				
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON				
128	SF	WORK ZONE SIGNS (STATIONARY)				
200	SF	WORK ZONE SIGNS (PORTABLE)				

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 008

CONTRACT ID : C201439 35011.3.2

DIV OFFICE DURHAM

LENGTH = 0.373 MI

COUNTY : DURHAM

WIDENING, GRADING, DRAINAGE, PAVING AND CURB & GUTTER.

DBE GOAL 6.0% COMPLETION DATE : JUN 15 2008

NC-98 (HOLLOWAY ST) FROM EAST OF US-70 TO EAST OF JUNCTION RD IN DURHAM.

		ROADWAY ITEMS				
				27	EA	CONCRETE WHEELCHAIR RAMPS
				455	SY	6" CONCRETE DRIVEWAY
				645	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
Lump Sum	LS	MOBILIZATION		2	EA	ADJUSTMENT OF CATCH BASINS
70	LF	GENERIC MISCELLANEOUS ITEM		22	EA	ADJUSTMENT OF MANHOLES
		STEEL PIPE HANDRAIL FOR		3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
		RETAINING WALL		25	LF	CHAIN LINK FENCE, 48" FABRIC
Lump Sum	LS	GRADING		2	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING		2	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
1,500	CY	UNDERCUT EXCAVATION		10	TON	RIP RAP, CLASS B
325	TON	CLASS IV SUBGRADE STABILIZATION		255	SY	FILTER FABRIC FOR DRAINAGE
2	CY	DRAINAGE DITCH EXCAVATION		78.58	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (D)
500	CY	SELECT GRANULAR MATERIAL		165.65	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
500	SY	FABRIC FOR SOIL STABILIZATION		120.81	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (F)
495	TON	GENERIC GRADING ITEM		865	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
258	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS		6	EA	SIGN ERECTION, TYPE D
1,040	LF	15" RC PIPE CULVERTS, CLASS III		31	EA	SIGN ERECTION, TYPE E
56	LF	18" RC PIPE CULVERTS, CLASS III		6	EA	SIGN ERECTION, TYPE F
824	LF	24" RC PIPE CULVERTS, CLASS III		8	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
336	LF	30" RC PIPE CULVERTS, CLASS III		30	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
48	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK		7	EA	DISPOSAL OF SUPPORT, U-CHANNEL
6	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK		436	SF	WORK ZONE SIGNS (STATIONARY)
1,200	LF	PIPE REMOVAL		346	SF	WORK ZONE SIGNS (PORTABLE)
500	LB	SEALING EXISTING PAVEMENT CRACKS		88	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
500	TON	STABILIZER AGGREGATE		2	EA	FLASHING ARROW PANELS, TYPE C
184	TON	AGGREGATE BASE COURSE		1	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)
75	TON	INCIDENTAL STONE BASE		130	EA	DRUMS
5,320	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (2-1/2" TO 3")		110	EA	CONES
2,320	SY	INCIDENTAL MILLING		270	LF	BARRICADES (TYPE III)
2,190	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		180	MD	FLAGGER
3,110	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B		8	HR	POLICE
3,210	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		35	EA	TUBULAR MARKERS (FIXED)
433	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22		650	LF	GENERIC TRAFFIC CONTROL ITEM DEPARTMENT FURNISHED WATER-FILLED BARRIER
573	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		2	EA	GENERIC TRAFFIC CONTROL ITEM DEPARTMENT FURNISHED CMS'S
36	EA	RIGHT OF WAY MARKERS		266	EA	TEMPORARY RAISED PAVEMENT MARKERS
112	CY	SUBDRAIN EXCAVATION		325	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
84	CY	SUBDRAIN FINE AGGREGATE		5,423	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
500	LF	6" PERFORATED SUBDRAIN PIPE		53	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
15	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS		1,185	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET		172	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
6	LF	6" OUTLET PIPE (SUBDRAINS)		402	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
3	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
1	CY	PIPE COLLARS		37	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1	CY	PIPE PLUGS		41,021	LF	PAINT PAVEMENT MARKING LINES (4")
38	EA	MASONRY DRAINAGE STRUCTURES		475	LF	PAINT PAVEMENT MARKING LINES (8")
10	EA	FRAME WITH TWO GRATES, STD 840.16		946	LF	PAINT PAVEMENT MARKING LINES (16")
13	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)		1,472	LF	PAINT PAVEMENT MARKING LINES (24")
11	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		52	EA	PAINT PAVEMENT MARKING CHARACTER
4	EA	FRAME WITH COVER, STD 840.54				
360	LF	***X *** CONCRETE CURB (8" x 18")				
4,000	LF	2'-6" CONCRETE CURB & GUTTER				
1,850	SY	4" CONCRETE SIDEWALK				

	4	EA	SIGNAL CABINET FOUNDATION
	4	EA	CONTROLLER WITH CABINET (TYPE 170E, BASE MOUNTED)
	13	EA	DETECTOR CARD (TYPE 170)
	4	EA	CABINET BASE EXTENDER
	8	EA	GENERIC SIGNAL ITEM SYSTEM DETECTOR AMPLIFIER (2 CHANNEL)
	4	EA	GENERIC SIGNAL ITEM SYSTEM MICROLOOP PROBE
	410	SF	GRAVITY RETAINING WALLS
	78	EA	PAINT PAVEMENT MARKING SYMBOL
6,792	LF		REMOVAL OF PAVEMENT MARKING LINES (4")
593	LF		REMOVAL OF PAVEMENT MARKING LINES (8")
244	LF		REMOVAL OF PAVEMENT MARKING LINES (24")
12	EA		REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
170	EA		PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS		PORTABLE LIGHTING
48	LF		12" WATER LINE
24	EA		RELOCATE WATER METER
2	EA		RELOCATE FIRE HYDRANT
3	EA		GENERIC UTILITY ITEM INSTALL NEW METER BOX
1	EA		GENERIC UTILITY ITEM INSTALL NEW VALVE BOX
6	EA		GENERIC UTILITY ITEM RELOCATE SANITARY SEWER CLEANOUT
2,200	LF		TEMPORARY SILT FENCE
115	TON		STONE FOR EROSION CONTROL, CLASS A
285	TON		STONE FOR EROSION CONTROL, CLASS B
370	TON		SEDIMENT CONTROL STONE
4	ACR		TEMPORARY MULCHING
150	LB		SEED FOR TEMPORARY SEEDING
0.75	TON		FERTILIZER FOR TEMPORARY SEEDING
135	CY		SILT EXCAVATION
1,500	SY		MATTING FOR EROSION CONTROL
1,100	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
2.75	TON		FERTILIZER TOPDRESSING
3	HR		SPECIALIZED HAND MOWING
8	EA		RESPONSE FOR EROSION CONTROL
10	EA		PEDESTRIAN SIGNAL HEAD (***, ** SECTION) (16", 1 SECTION WITH COUNTDOWN)
4	EA		PEDESTRIAN SIGNAL HEAD (12", 1 SECTION)
6,210	LF		SIGNAL CABLE
39	EA		VEHICLE SIGNAL HEAD (12", 3 SECTION)
8	EA		VEHICLE SIGNAL HEAD (12", 5 SECTION)
1,125	LF		MESSENGER CABLE (3/8")
180	LF		TRACER WIRE
1,510	LF		UNPAVED TRENCHING (***** (2, 2"))
950	LF		DIRECTIONAL DRILL (***** (2, 2"))
33	EA		JUNCTION BOX (STANDARD SIZE)
4	EA		JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
12	EA		WOOD POLE
21	EA		GUY ASSEMBLY
2	EA		1" RISER WITH WEATHERHEAD
8	EA		2" RISER WITH WEATHERHEAD
2	EA		2" RISER WITH HEAT SHRINK TUBING
4,870	LF		INDUCTIVE LOOP SAWCUT
4,650	LF		LEAD-IN CABLE (***** (18-2))
690	LF		LEAD-IN CABLE (***** (18-4))
450	LF		DROP CABLE
50	LF		REMOVE EXISTING COMMUNICATIONS CABLE
6	EA		METAL POLE WITH SINGLE MAST ARM
3	EA		METAL POLE WITH DUAL MAST ARM
9	EA		SOIL TEST
72	CY		DRILLED PIER FOUNDATION
3	EA		SIGNAL PEDESTAL WITH FOUNDATION
9	EA		MAST ARM WITH METAL POLE DESIGN
6	EA		SIGN FOR SIGNALS
1	EA		LED BLANKOUT SIGN
1	EA		RELOCATE EXISTING BLANKOUT SIGN

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L070417 009

CONTRACT ID : C201728 37620

DIV OFFICE GREENSBORO

LENGTH = 14.210 MI

COUNTY : MOORE

MILLING, SHOULDER RECONSTRUCTION, RESURFACING & SIGNALS.

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

3 SECTIONS OF US-15/501 & SIGNAL INSTALLATION ON US-15/501 AT SR-1838 AND NC-73.

Lump Sum		LS	MOBILIZATION	500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
Lump Sum	LS	LS	GRADING	490	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
	1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING	80	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
	150	CY	UNDERCUT EXCAVATION	207	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
	100	CY	DRAINAGE DITCH EXCAVATION	1,798	EA	SNOWFLOWABLE PAVEMENT MARKERS
	538	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	3,528	LF	10" WATER LINE
	64	LF	15" SIDE DRAIN PIPE	2	EA	10" VALVE
	240	LF	18" SIDE DRAIN PIPE	3,528	LF	ABANDON 10" UTILITY PIPE
	2	EA	*** PIPE END SECTION (15")	1	EA	GENERIC UTILITY ITEM BREAKDOWN & REBUILD EXISTING MANHOLE
	236	LF	PIPE REMOVAL	12,328	LF	TEMPORARY SILT FENCE
	25	TON	AGGREGATE BASE COURSE	70	TON	STONE FOR EROSION CONTROL, CLASS A
	275	TON	INCIDENTAL STONE BASE	140	TON	STONE FOR EROSION CONTROL, CLASS B
	14.36	SMI	SHOULDER RECONSTRUCTION	80	TON	SEDIMENT CONTROL STONE
	1,494	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")	1,050	CY	SILT EXCAVATION
	3,678	SY	INCIDENTAL MILLING	6,460	SY	MATTING FOR EROSION CONTROL
	20,225	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	30	SY	PERMANENT SOIL REINFORCEMENT MAT
	29,855	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	8	ACR	SEEDING & MULCHING
	881	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	61	LB	SEED FOR REPAIR SEEDING
	1,791	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	0.25	TON	FERTILIZER FOR REPAIR SEEDING
	60	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	1	ACR	RESIDENTIAL SEEDING
	1,999	TON	PATCHING EXISTING PAVEMENT	900	LF	SIGNAL CABLE
	5,360	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	11	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
	3	EA	RIGHT OF WAY MARKERS	3	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
	5	CY	PIPE COLLARS	800	LF	MESSENGER CABLE (3/8")
	5	EA	MASONRY DRAINAGE STRUCTURES	1,710	LF	UNPAVED TRENCHING (***** (1, 2"))
	4	EA	FRAME WITH TWO GRATES, STD 840.16	16	EA	JUNCTION BOX (STANDARD SIZE)
	1	EA	FRAME WITH TWO GRATES, STD 840.29	14	EA	WOOD POLE
	1	EA	FRAME WITH COVER, STD 840.54	14	EA	GUY ASSEMBLY
	1	EA	GENERIC DRAINAGE ITEM CONVERT EXISTING DROP INLET TO TBJB	4	EA	1" RISER WITH WEATHERHEAD
	130	LF	***X*** CONCRETE CURB (8" X 12")	9	EA	2" RISER WITH WEATHERHEAD
	25	LF	SHOULDER BERM GUTTER	1,600	LF	INDUCTIVE LOOP SAWCUT
	18	SY	4" CONCRETE PAVED DITCH	3,870	LF	LEAD-IN CABLE (***** (14-2))
	420	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	2	EA	SIGNAL CABINET FOUNDATION
	90	LF	CONCRETE BARRIER, TYPE ***** (T-77)	2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
	1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	110	LF	GENERIC STRUCTURE ITEM MOMENT SLAB BARRIER WALL
	3,062.5	LF	STEEL BM GUARDRAIL			***** BEGIN SCHEDULE AA ***** ***** (3 ALTERNATES) *****
	112.5	LF	STEEL BM GUARDRAIL, SHOP CURVED	1,080	LF	15" RC PIPE CULVERTS, CLASS III
	5	EA	ADDITIONAL GUARDRAIL POSTS	92	LF	18" RC PIPE CULVERTS, CLASS III
	4	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	16	LF	36" RC PIPE CULVERTS, CLASS III
	10	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			*** OR ***
	8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	1,080	LF	*** HDPE PIPE CULVERTS (15")
	51	TON	RIP RAP, CLASS B	92	LF	*** HDPE PIPE CULVERTS (18")
	150	SY	FILTER FABRIC FOR DRAINAGE	16	LF	*** HDPE PIPE CULVERTS (36")
Lump Sum	LS	LS	GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL			*** OR ***
	128,450	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	1,080	LF	*** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (15")
	128,030	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	92	LF	*** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, **** THICK (18")
	4,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
	5,295	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			

16 LF **** ALUMINIZED CORRUGATED
STEEL PIPE CULVERTS, ****
THICK
(36")

*** END SCHEDULE AA ***

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L070417 010

CONTRACT ID : C201745 39692

DIV OFFICE ABERDEEN

LENGTH = 0.480 MI

COUNTY : LEE

WIDENING, GRADING, DRAINAGE, PAVING & UTILITIES.

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : DEC 07 2007

SR-1579 FROM SR-1535 TO SR-1538.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION		215	LF	ABANDON 6" UTILITY PIPE
Lump Sum	LS	GRADING		2,258	LF	ABANDON 8" UTILITY PIPE
354	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS		300	LF	TEMPORARY SILT FENCE
44	LF	15" SIDE DRAIN PIPE		15	TON	STONE FOR EROSION CONTROL, CLASS A
3,110	LF	15" RC PIPE CULVERTS, CLASS III		50	TON	STONE FOR EROSION CONTROL, CLASS B
180	LF	18" RC PIPE CULVERTS, CLASS III		160	TON	SEDIMENT CONTROL STONE
2	EA	*** PIPE END SECTION (18")		1.75	ACR	TEMPORARY MULCHING
272	LF	PIPE REMOVAL		750	SY	MATTING FOR EROSION CONTROL
400	TON	INCIDENTAL STONE BASE		550	LF	1/4" HARDWARE CLOTH
400	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 3")		2.06	ACR	SEEDING & MULCHING
1,725	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B				
705	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B				
1,890	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B				
221	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22				
116	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR				
0.5	CY	PIPE COLLARS				
0.7	CY	PIPE PLUGS				
36	EA	MASONRY DRAINAGE STRUCTURES				
11	EA	FRAME WITH TWO GRATES, STD 840.16				
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)				
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)				
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)				
2	EA	FRAME WITH COVER, STD 840.54				
4,545	LF	2'-6" CONCRETE CURB & GUTTER				
300	SY	6" CONCRETE DRIVEWAY				
10	EA	ADJUSTMENT OF MANHOLES				
5	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES				
2	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN				
8	TON	RIP RAP, CLASS B				
27	SY	FILTER FABRIC FOR DRAINAGE				
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL				
150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)				
7,500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)				
120	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)				
145	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)				
19	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)				
7,500	LF	PAINT PAVEMENT MARKING LINES (4")				
133	EA	PERMANENT RAISED PAVEMENT MARKERS				
210	LF	6" WATER LINE				
10	LF	8" WATER LINE				
2,286	LF	10" WATER LINE				
2	EA	6" VALVE				
1	EA	8" VALVE				
3	EA	10" VALVE				
7	EA	RELOCATE WATER METER				
5	EA	RECONNECT WATER METER				
4	EA	RELOCATE FIRE HYDRANT				
20	LF	8" SANITARY GRAVITY SEWER				

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 011

CONTRACT ID : C201462 34959.3.2

DIV OFFICE ALBEMARLE

LENGTH = 0.781 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, CURB & GUTTER, AND PAVING.

DBE GOAL 8.0% COMPLETION DATE : OCT 31 2007

NC-24/27 (ALBEMARLE RD) FROM PIERSON DR TO WEST OF SR-2876 (REDDMAN RD).

ROADWAY ITEMS				
			10,778	LF PAINT PAVEMENT MARKING LINES (4")
			120	LF PAINT PAVEMENT MARKING LINES (8")
Lump Sum	LS MOBILIZATION		1,223	LF PAINT PAVEMENT MARKING LINES (24")
Lump Sum	LS GRADING		84	EA PAINT PAVEMENT MARKING SYMBOL
1	ACR SUPPLEMENTARY CLEARING & GRUB-BING		1,000	LF REMOVAL OF PAVEMENT MARKING LINES (4")
500	CY UNDERCUT EXCAVATION		250	LF REMOVAL OF PAVEMENT MARKING LINES (8")
58	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRS		50	LF REMOVAL OF PAVEMENT MARKING LINES (24")
304	LF 15" RC PIPE CULVERTS, CLASS III		10	EA REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
36	LF 18" RC PIPE CULVERTS, CLASS III		307	EA PERMANENT RAISED PAVEMENT MARKERS
8	LF 36" RC PIPE CULVERTS, CLASS III		3	EA RELOCATE WATER METER
48	LF 72" RC PIPE CULVERTS, CLASS III		3	EA RELOCATE FIRE HYDRANT
183	LF PIPE REMOVAL		2	EA GENERIC UTILITY ITEM
100	TON INCIDENTAL STONE BASE		925	LF TEMPORARY SILT FENCE
34,422	SY MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		100	TON STONE FOR EROSION CONTROL, CLASS B
2,422	TON ASPHALT CONC BASE COURSE, TYPE B25.0C		200	TON SEDIMENT CONTROL STONE
1,410	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C		10	CY SILT EXCAVATION
3,700	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5C		500	LF 1/4" HARDWARE CLOTH
171	TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22		2.5	ACR SEEDING & MULCHING
222	TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22			
40	EA MASONRY DRAINAGE STRUCTURES			
14.1	CY MASONRY DRAINAGE STRUCTURES			
3	LF MASONRY DRAINAGE STRUCTURES			
2	EA FRAME WITH TWO GRATES, STD 840.16			
4	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
10	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
6	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
20	EA GENERIC DRAINAGE ITEM BREAKDOWN & REMOVE EXISTING DRAINAGE STRUCTURES			
3,750	LF 2'-6" CONCRETE CURB & GUTTER			
2,300	SY 4" CONCRETE SIDEWALK			
10	EA CONCRETE WHEELCHAIR RAMPS			
760	SY 6" CONCRETE DRIVEWAY			
430	SY 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
5	EA ADJUSTMENT OF MANHOLES			
3	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES			
1	EA CONVERT EXISTING DROP INLET TO JUNCTION BOX			
50	TON RIP RAP, CLASS I			
85	SY FILTER FABRIC FOR DRAINAGE			
360	SF WORK ZONE SIGNS (STATIONARY)			
96	SF WORK ZONE SIGNS (PORTABLE)			
2	EA FLASHING ARROW PANELS, TYPE C			
1	EA CHANGEABLE MESSAGE SIGN			
188	EA DRUMS			
2	EA TMIA			
240	HR POLICE			
132	EA SKINNY DRUM			
10,778	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
120	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
1,223	LF THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
84	EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 012

CONTRACT ID : C201427 33424.2.2

DIV OFFICE SHELBY

LENGTH = 0.161 MI

COUNTY : CATAWBA

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : NOV 15 2007

BRIDGE OVER CLINE CREEK AND APPROACHES ON SR-1486 (LEE CLINE RD).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+56.25)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
500	CY	UNDERCUT EXCAVATION
150	CY	DRAINAGE DITCH EXCAVATION
500	CY	SELECT GRANULAR MATERIAL
500	SY	FABRIC FOR SOIL STABILIZATION
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
52	LF	15" RC PIPE CULVERTS, CLASS III
16	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
46	LF	PIPE REMOVAL
100	TON	INCIDENTAL STONE BASE
310	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
190	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
510	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
53	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
5	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.16
3	EA	FRAME WITH TWO GRATES, STD 840.29
40	LF	SHOULDER BERM GUTTER
450	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
310	TON	RIP RAP, CLASS B
990	SY	FILTER FABRIC FOR DRAINAGE
22.5	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)
53	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
4	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2	EA	DISPOSAL OF SIGN SYSTEM, WOOD
381	SF	WORK ZONE SIGNS (STATIONARY)
114	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
100	LF	BARRICADES (TYPE III)
7,200	LF	PAINT PAVEMENT MARKING LINES (4")
352	LF	12" WATER LINE
1	EA	12" VALVE
2	EA	RELOCATE WATER METER
2	EA	RELOCATE FIRE HYDRANT
355	LF	ABANDON 12" UTILITY PIPE
350	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
135	TON	STONE FOR EROSION CONTROL, CLASS B
60	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
120	LF	TEMPORARY SLOPE DRAINS
3	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
440	CY	SILT EXCAVATION

200	SY	MATTING FOR EROSION CONTROL
80	LF	1/4" HARDWARE CLOTH
50	SY	FLOATING TURBIDITY CURTAIN
100	LF	COIR FIBER BAFFLES
1	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
0.5	TON	FERTILIZER TOPDRESSING
60	LF	IMPERVIOUS DIKE
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

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

112	LF	30" RC PIPE CULVERTS, CLASS III
		*** OR ***
112	LF	**** HDPE PIPE CULVERTS (30")
		*** OR ***
112	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (30", 0.079")

*** END SCHEDULE AA ***

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+56.25-L-)
1,090	CY	UNCLASSIFIED STRUCTURE EXCAVATION
5,011	SF	CONCRETE WEARING SURFACE
5,969	SF	GROOVING BRIDGE FLOORS
58.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+56.25-L-)
9,776	LB	REINFORCING STEEL (BRIDGE)
675	LF	HP12X53 STEEL PILES
560	LF	PP 18 X 0.50 GALVANIZED STEEL PILES
304.67	LF	CONCRETE BARRIER RAIL
270	TON	RIP RAP CLASS II (2'-0" THICK)
301	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1,828	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 013

CONTRACT ID : C201497 33438.3.1

DIV OFFICE SHELBY

LENGTH = 0.170 MI

COUNTY : CLEVELAND

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : NOV 01 2007

BRIDGE OVER BUFFALO CREEK AND APPROACHES ON SR-1804.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	8	EA	RESPONSE FOR EROSION CONTROL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+31.00)			
Lump Sum	LS	GRADING			
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			
350	CY	UNDERCUT EXCAVATION			
88	CY	DRAINAGE DITCH EXCAVATION			
350	CY	SELECT GRANULAR MATERIAL			
100	SY	FABRIC FOR SOIL STABILIZATION			
10	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			
36	LF	15" SIDE DRAIN PIPE			
52	LF	15" CS PIPE CULVERTS, 0.064" THICK			
4	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")			
26	LF	PIPE REMOVAL			
100	TON	INCIDENTAL STONE BASE			
380	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
370	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A			
41	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
2	EA	MASONRY DRAINAGE STRUCTURES			
2	EA	FRAME WITH TWO GRATES, STD 840.29			
85	LF	SHOULDER BERM GUTTER			
325	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
4	TON	RIP RAP, CLASS B			
390	SY	FILTER FABRIC FOR DRAINAGE			
337	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
64	LF	BARRICADES (TYPE III)			
8,800	LF	PAINT PAVEMENT MARKING LINES (4")			
520	LF	TEMPORARY SILT FENCE			
75	TON	STONE FOR EROSION CONTROL, CLASS A			
175	TON	STONE FOR EROSION CONTROL, CLASS B			
140	TON	SEDIMENT CONTROL STONE			
2.5	ACR	TEMPORARY MULCHING			
100	LB	SEED FOR TEMPORARY SEEDING			
0.5	TON	FERTILIZER FOR TEMPORARY SEED- ING			
30	LF	TEMPORARY SLOPE DRAINS			
1	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS			
200	LF	SAFETY FENCE			
465	CY	SILT EXCAVATION			
1,450	SY	MATting FOR EROSION CONTROL			
20	SY	COIR FIBER MAT			
40	LF	1/4" HARDWARE CLOTH			
4	EA	SPECIAL STILLING BASINS			
125	LF	COIR FIBER BAFFLES			
2	EA	*** SKIMMER (2")			
2.5	ACR	SEEDING & MULCHING			
1.5	ACR	MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
50	LB	SEED FOR SUPPLEMENTAL SEEDING			
1.75	TON	FERTILIZER TOPDRESSING			
2	HR	SPECIALIZED HAND MOWING			

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+31.00 -L-)			
23	LF	3'-6" DIA DRILLED PIERS IN SOIL			
14	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL			
2	EA	SID INSPECTION			
2	EA	SPT TESTING			
1	EA	CROSSHOLE SONIC LOGGING			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+31.00 -L-)			
57	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+31.00 -L-)			
12,713	LB	REINFORCING STEEL (BRIDGE)			
1,213	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
440	LF	HP12X53 STEEL PILES			
355.5	LF	VERTICAL CONCRETE BARRIER RAIL			
240	TON	RIP RAP CLASS II (2'-0" THICK)			
267	SY	FILTER FABRIC FOR DRAINAGE			
Lump Sum	LS	ELASTOMERIC BEARINGS			
1,953.88	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 014

CONTRACT ID : C201779 33169.3.2

DIV OFFICE ASHEVILLE

LENGTH = 0.118 MI

COUNTY : BURKE

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : DEC 01 2007

BRIDGE OVER MICOL CREEK & APPROACHES ON SR-1547.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
3,800	CY	UNCLASSIFIED EXCAVATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (15+25.00)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
Lump Sum	LS	GRADING
20	CY	DRAINAGE DITCH EXCAVATION
375	CY	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III
1,000	SY	GENERIC GRADING ITEM FABRIC FOR REINFORCED SLOPE
150	TON	GENERIC GRADING ITEM PLAIN RIP RAP, CLASS II
120	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
28	LF	15" SIDE DRAIN PIPE
40	LF	18" RC PIPE CULVERTS, CLASS III
60	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
24	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
2	EA	18" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
24	LF	PIPE REMOVAL
180	TON	AGGREGATE BASE COURSE
200	TON	INCIDENTAL STONE BASE
270	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
320	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
275	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
45	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
14	EA	RIGHT OF WAY MARKERS
9	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.24
2	EA	FRAME WITH TWO GRATES, STD 840.29
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
1	EA	FRAME WITH COVER, STD 840.54
345	LF	2'-6" CONCRETE CURB & GUTTER
70	LF	SHOULDER BERM GUTTER
10	SY	6" CONCRETE DRIVEWAY
237.5	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
220	LF	WOVEN WIRE FENCE, 47" FABRIC
14	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
3	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
5	TON	RIP RAP, CLASS B
20	SY	FILTER FABRIC FOR DRAINAGE
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
274	SF	WORK ZONE SIGNS (STATIONARY)
70	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
56	LF	BARRICADES (TYPE III)
5,000	LF	PAINT PAVEMENT MARKING LINES (4")
709	LF	6" WATER LINE

116	LF	16" WATER LINE
2	EA	6" VALVE
1	EA	16" VALVE
229	LF	ABANDON 10" UTILITY PIPE
114	LF	ABANDON 16" UTILITY PIPE
2	EA	ABANDON UTILITY MANHOLE
198	LF	TRENCHLESS INSTALLATION OF 6" IN SOIL
198	LF	TRENCHLESS INSTALLATION OF 6" NOT IN SOIL
710	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
125	TON	STONE FOR EROSION CONTROL, CLASS B
350	TON	SEDIMENT CONTROL STONE
4	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.75	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	SAFETY FENCE
305	CY	SILT EXCAVATION
355	SY	MATTING FOR EROSION CONTROL
125	SY	PERMANENT SOIL REINFORCEMENT MAT
160	LF	1/4" HARDWARE CLOTH
12	EA	SPECIAL STILLING BASINS
125	LF	COIR FIBER BAFFLES
2.5	ACR	SEEDING & MULCHING
2.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
3	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

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

504	LF	15" RC PIPE CULVERTS, CLASS III
		*** OR ***
392	LF	15" RC PIPE CULVERTS, CLASS III
112	LF	**** HDPE PIPE CULVERTS (15")
		*** OR ***
392	LF	15" RC PIPE CULVERTS, CLASS III
112	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (15", 0.064")

*** END SCHEDULE AA ***

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+25.00 -L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (15+25.00 -L-)
42	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+25.00 -L-)
6,716	LB	REINFORCING STEEL (BRIDGE)
450	LF	HP14X73 STEEL PILES
205.48	LF	CONCRETE BARRIER RAIL
120	TON	RIP RAP CLASS II (2'-0" THICK)
133	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

1,438.35 LF 3'-0" X 3'-3" PRESTRESSED CONC
BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070417 015

CONTRACT ID : C201502 33539.3.1

DIV OFFICE ASHEVILLE

LENGTH = 0.131 MI

COUNTY : MCDOWELL

GRADING, DRAINAGE, PAVING, SIGNALS, & CULVERT.

DBE GOAL 5.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

CULVERT ON JACKSON CREEK ON SR-1103.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
100	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
500	TON	CLASS IV SUBGRADE STABILIZATION
5,230	CY	BORROW EXCAVATION
60	CY	DRAINAGE DITCH EXCAVATION
500	CY	SELECT GRANULAR MATERIAL
500	SY	FABRIC FOR SOIL STABILIZATION
100	SF	TEMPORARY SHORING
8	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
20	LF	15" SIDE DRAIN PIPE
48	LF	24" SIDE DRAIN PIPE
40	LF	PIPE REMOVAL
175	TON	AGGREGATE BASE COURSE
50	TON	INCIDENTAL STONE BASE
290	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
255	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
30	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
14	EA	RIGHT OF WAY MARKERS
224	CY	SUBDRAIN EXCAVATION
168	CY	SUBDRAIN FINE AGGREGATE
1,000	LF	6" PERFORATED SUBDRAIN PIPE
30	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE (SUBDRAINS)
425	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
487.5	LF	REMOVE EXISTING GUARDRAIL
70	TON	RIP RAP, CLASS I
170	TON	RIP RAP, CLASS B
610	SY	FILTER FABRIC FOR DRAINAGE
124	SF	WORK ZONE SIGNS (STATIONARY)
128	SF	WORK ZONE SIGNS (PORTABLE)
20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
20	EA	DRUMS
20	EA	CONES
50	LF	BARRICADES (TYPE III)
600	HR	FLAGGER
1	EA	TEMPORARY CRASH CUSHIONS
70	LF	PORTABLE CONCRETE BARRIER
11,040	LF	PAINT PAVEMENT MARKING LINES (4")
50	LF	PAINT PAVEMENT MARKING LINES (24")
1,200	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
240	TON	STONE FOR EROSION CONTROL, CLASS B
60	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
300	LF	SAFETY FENCE
520	CY	SILT EXCAVATION
425	SY	MATTING FOR EROSION CONTROL
170	CY	STILLING BASINS
155	LF	COIR FIBER BAFFLES
1	ACR	SEEDING & MULCHING

0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
350	LF	IMPERVIOUS DIKE
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
1,350	LF	SIGNAL CABLE
2	EA	VEHICLE SIGNAL HEAD (12", 1 SECTION)
4	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
285	LF	MESSENGER CABLE (3/8")
1,150	LF	UNPAVED TRENCHING (***** (1, 2"))
4	EA	WOOD POLE
6	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
3	EA	2" RISER WITH WEATHERHEAD
276	LF	INDUCTIVE LOOP SAWCUT
395	LF	LEAD-IN CABLE (***** (18-2))
2	EA	SIGN FOR SIGNALS
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
1	EA	DETECTOR CARD (TYPE 2070L)

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+75.00 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (14+75.00 -L-)
168	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
240	CY	CLASS A CONCRETE (CULVERT)
42,122	LB	REINFORCING STEEL (CULVERT)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L070417 016

CONTRACT ID : C201781 37645

DIV OFFICE ASHEVILLE

LENGTH = 1.927 MI

COUNTY : MCDOWELL

GRADING, DRAINAGE, PAVING & CULVERT EXTENSION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : MAY 15 2009

NC-226 FROM US-221 TO SR-1794.

ROADWAY ITEMS

				4	EA	FRAME WITH TWO GRATES, STD 840.16
				3	EA	FRAME WITH TWO GRATES, STD 840.24
				4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
				18	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
				18	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
				7	EA	FRAME WITH COVER, STD 840.54
				14,410	LF	2'-6" CONCRETE CURB & GUTTER
				15	SY	4" CONCRETE SIDEWALK
				440	SY	6" CONCRETE DRIVEWAY
				33	SY	4" CONCRETE PAVED DITCH
				20	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
				77	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
				3	EA	ADJUSTMENT OF MANHOLES
				7	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
				3	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE COVER
				4,600	LF	STEEL BM GUARDRAIL
				212.5	LF	STEEL BM GUARDRAIL, SHOP CURVED
				10	EA	ADDITIONAL GUARDRAIL POSTS
				4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)
				3	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
				4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
				13	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
				238	LF	REMOVE & RESET EXISTING GUARDRAIL
				4,545	LF	REMOVE EXISTING GUARDRAIL
				30	TON	RIP RAP, CLASS I
				30	TON	RIP RAP, CLASS II
				680	TON	RIP RAP, CLASS B
				3,000	SY	FILTER FABRIC FOR DRAINAGE
				572	SF	WORK ZONE SIGNS (STATIONARY)
				224	SF	WORK ZONE SIGNS (PORTABLE)
				25	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
				4	EA	CHANGEABLE MESSAGE SIGN
				150	EA	DRUMS
				150	EA	CONES
				144	LF	BARRICADES (TYPE III)
				1,920	HR	FLAGGER
				2	EA	TEMPORARY CRASH CUSHIONS
				2	EA	TMIA
				170	LF	PORTABLE CONCRETE BARRIER
				160	HR	POLICE
				312	EA	TEMPORARY RAISED PAVEMENT MARKERS
				4,250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
				39,554	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
				300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
				200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
				8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
				73	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
				91,988	LF	PAINT PAVEMENT MARKING LINES (4")
				600	LF	PAINT PAVEMENT MARKING LINES (8")
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)				
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING				
58,800	CY	UNCLASSIFIED EXCAVATION				
2,500	CY	UNDERCUT EXCAVATION				
1,355	CY	DRAINAGE DITCH EXCAVATION				
1,000	LF	BERM DITCH CONSTRUCTION				
4,030	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT				
410	SY	BREAKING OF EXISTING ASPHALT PAVEMENT				
1,320	SF	TEMPORARY SHORING				
175	SY	GENERIC GRADING ITEM				
		ROCK PLATING				
1,370	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS				
60	LF	15" SIDE DRAIN PIPE				
172	LF	18" SIDE DRAIN PIPE				
137	LF	30" RC PIPE CULVERTS, CLASS III				
68	LF	36" RC PIPE CULVERTS, CLASS III				
2	EA	*** PIPE END SECTION (18")				
356	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK				
108	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK				
56	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK				
16	LF	42" BIT COAT CS PIPE CULVERTS, TYPE B 0.109" THICK				
20	LF	48" BIT COAT CS PIPE CULVERTS, TYPE B 0.109" THICK				
16	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK				
4	EA	18" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK				
6	EA	24" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK				
1,166	LF	PIPE REMOVAL				
Lump Sum	LS	FINE GRADING				
450	TON	AGGREGATE BASE COURSE				
500	TON	INCIDENTAL STONE BASE				
1,420	CY	SHOULDER BORROW				
340	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")				
7,220	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C				
8,870	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C				
4,320	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C				
740	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22				
270	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22				
205	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR				
95	EA	RIGHT OF WAY MARKERS				
56	CY	SUBDRAIN EXCAVATION				
42	CY	SUBDRAIN FINE AGGREGATE				
250	LF	6" PERFORATED SUBDRAIN PIPE				
9	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS				
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET				
6	LF	6" OUTLET PIPE (SUBDRAINS)				
8.7	CY	ENDWALLS				
4.13	CY	PIPE COLLARS				
20	CY	FLOWABLE FILL				
57	EA	MASONRY DRAINAGE STRUCTURES				
52	LF	MASONRY DRAINAGE STRUCTURES				

			800	LF	18" RC PIPE CULVERTS, CLASS III	
			860	LF	24" RC PIPE CULVERTS, CLASS III	
						*** OR ***
			2,112	LF	15" RC PIPE CULVERTS, CLASS III	
			640	LF	18" RC PIPE CULVERTS, CLASS III	
			600	LF	24" RC PIPE CULVERTS, CLASS III	
			212	LF	**** HDPE PIPE CULVERTS (15")	
			160	LF	**** HDPE PIPE CULVERTS (18")	
			260	LF	**** HDPE PIPE CULVERTS (24")	
						*** OR ***
			2,112	LF	15" RC PIPE CULVERTS, CLASS III	
			640	LF	18" RC PIPE CULVERTS, CLASS III	
			600	LF	24" RC PIPE CULVERTS, CLASS III	
			212	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (15", 0.064")	
			160	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (18", 0.064")	
			260	LF	**** ALUMINIZED CORRUGATED STEEL PIPE CULVERTS, ***** THICK (24", 0.064")	
						*** END SCHEDULE AA ***
400	LF	PAINT PAVEMENT MARKING LINES (24")				
8	EA	PAINT PAVEMENT MARKING CHARACTER				
138	EA	PAINT PAVEMENT MARKING SYMBOL				
3,230	LF	REMOVAL OF PAVEMENT MARKING LINES (4")				
6	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS				
366	EA	SNOWPLOWABLE PAVEMENT MARKERS				
30	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)				
30	EA	FLEXIBLE DELINEATORS (YELLOW & RED)				
2	CY	CLASS B CONCRETE FOR ENCASING UTILITY LINES				
6	LF	10" WATER LINE				
3,600	LF	12" WATER LINE				
3	EA	12" VALVE				
4	EA	RELOCATE WATER METER				
1	EA	RECONNECT WATER METER				
1	EA	FIRE HYDRANT				
6	EA	RELOCATE FIRE HYDRANT				
422	LF	8" SANITARY GRAVITY SEWER				
106	LF	12" SANITARY GRAVITY SEWER				
787	LF	30" SANITARY GRAVITY SEWER				
2,868	LF	6" FORCE MAIN SEWER				
6	EA	SANITARY SEWER CLEAN-OUT				
12	EA	5' DIA UTILITY MANHOLE				
19	LF	UTILITY MANHOLE WALL, 5' DIA				
1,871	LF	ABANDON *** UTILITY PIPE (15")				
2,913	LF	ABANDON 6" UTILITY PIPE				
1,871	LF	ABANDON 10" UTILITY PIPE				
3,346	LF	ABANDON 12" UTILITY PIPE				
796	LF	ABANDON 30" UTILITY PIPE				
15	EA	ABANDON UTILITY MANHOLE				
1	EA	REMOVE UTILITY MANHOLE				
57	LF	24" ENCASEMENT PIPE				
57	LF	30" ENCASEMENT PIPE				
57	LF	TRENCHLESS INSTALLATION OF 24" IN SOIL				
57	LF	TRENCHLESS INSTALLATION OF 30" IN SOIL				
8,050	LF	TEMPORARY SILT FENCE				
400	TON	STONE FOR EROSION CONTROL, CLASS A				
3,520	TON	STONE FOR EROSION CONTROL, CLASS B				
2,135	TON	SEDIMENT CONTROL STONE				
14	ACR	TEMPORARY MULCHING				
550	LB	SEED FOR TEMPORARY SEEDING				
2	TON	FERTILIZER FOR TEMPORARY SEEDING				
650	LF	TEMPORARY SLOPE DRAINS				
15	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS				
200	LF	SAFETY FENCE				
16,190	CY	SILT EXCAVATION				
7,090	SY	MATTING FOR EROSION CONTROL				
355	SY	PERMANENT SOIL REINFORCEMENT MAT				
2,525	LF	1/4" HARDWARE CLOTH				
160	LF	*** TEMPORARY PIPE (24")				
8	EA	SPECIAL STILLING BASINS				
13	ACR	SEEDING & MULCHING				
8.5	ACR	MOWING				
200	LB	SEED FOR REPAIR SEEDING				
0.5	TON	FERTILIZER FOR REPAIR SEEDING				
325	LB	SEED FOR SUPPLEMENTAL SEEDING				
9.75	TON	FERTILIZER TOPDRESSING				
67	LF	IMPERVIOUS DIKE				
8.5	HR	SPECIALIZED HAND MOWING				
32	EA	RESPONSE FOR EROSION CONTROL				
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (34+27.24 -L-)				
126	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT				
229.5	CY	CLASS A CONCRETE (CULVERT)				
37,103	LB	REINFORCING STEEL (CULVERT)				
370	SF	GRAVITY RETAINING WALLS				

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

2,324 LF 15" RC PIPE CULVERTS, CLASS III

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L070515 004

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 I19.0C
Lump Sum	LS	MOBILIZATION		25,500	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5B
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM CONSTRUCTION SURVEYING (ICW STRUCTURE ONLY)		2,325	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5C
	75	TON GENERIC MISCELLANEOUS ITEM DISPOSAL OF CONTAMINATED SOIL		2,670	TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)		155	TON ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
	3	ACR SUPPLEMENTARY CLEARING & GRUBBING		545	TON ASPHALT PLANT MIX, PAVEMENT REPAIR
	4,700	CY UNCLASSIFIED EXCAVATION		68	CY SUBDRAIN EXCAVATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+50.00-L-)		34	CY SUBDRAIN FINE AGGREGATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (58+00.00-L-)		200	LF 6" PERFORATED SUBDRAIN PIPE
	43,177	CY UNDERCUT EXCAVATION		6	EA 6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
	1,000	TON CLASS IV SUBGRADE STABILIZATION		1	EA CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
670,500	CY	BORROW EXCAVATION		6	LF 6" OUTLET PIPE (SUBDRAINS)
5,293	CY	DRAINAGE DITCH EXCAVATION		24.4	CY ENDWALLS
4,900	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT		7.9	CY REINFORCED ENDWALLS
	3,100	SY BREAKING OF EXISTING ASPHALT PAVEMENT		72	EA MASONRY DRAINAGE STRUCTURES
	34	HR PROOF ROLLING		23	CY MASONRY DRAINAGE STRUCTURES
54,000	CY	SELECT GRANULAR MATERIAL		44	EA FRAME WITH TWO GRATES, STD 840.16
1,000	SY	FABRIC FOR SOIL STABILIZATION		5	EA FRAME WITH TWO GRATES, STD 840.22
18,350	SF	TEMPORARY SHORING		22	EA FRAME WITH TWO GRATES, STD 840.29
3,500	CY	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III		1	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
9,000	SY	GENERIC GRADING ITEM FABRIC FOR REINFORCED SLOPE		7	EA FRAME WITH COVER, STD 840.54
1,415	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	Lump Sum	LS	GENERIC DRAINAGE ITEM ALUMINUM ENDWALLS FOR FIVE PIPE CULVERT
	84	LF 15" SIDE DRAIN PIPE	Lump Sum	LS	GENERIC DRAINAGE ITEM ALUMINUM ENDWALLS FOR FOUR PIPE CULVERT
	68	LF 18" SIDE DRAIN PIPE		275	LF ***X*** CONCRETE CURB (8" X 18")
	20	LF 12" RC PIPE CULVERTS, CLASS III		7,875	LF **.*** CONCRETE CURB & GUTTER (2'-9")
4,780	LF	15" RC PIPE CULVERTS, CLASS III		24,375	LF 1'-6" CONCRETE CURB & GUTTER
	392	LF 18" RC PIPE CULVERTS, CLASS III		410	LF 2'-6" CONCRETE CURB & GUTTER
	176	LF 24" RC PIPE CULVERTS, CLASS III		1,600	LF SHOULDER BERM GUTTER
1,392	LF	42" RC PIPE CULVERTS, CLASS III		1,075	SY 4" CONCRETE SIDEWALK
2,920	LF	48" RC PIPE CULVERTS, CLASS III		4	EA CONCRETE WHEELCHAIR RAMPS
	54	LF 54" RC PIPE CULVERTS, CLASS III		1,800	SY 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
	368	LF 60" RC PIPE CULVERTS, CLASS III		1	EA ADJUSTMENT OF METER BOXES OR VALVE BOXES
	144	LF **** HDPE PIPE CULVERTS (15")		2,850	LF STEEL BM GUARDRAIL
1,008	LF	*** X *** CAA STRUCTURAL PLATE PIPE ARCH, ***** THICK (60" x 46", 0.109")		62.5	LF STEEL BM GUARDRAIL, SHOP CURVED
170.8	LF	GENERIC PIPE ITEM STORM CHAMBER		10	EA ADDITIONAL GUARDRAIL POSTS
	6	EA GENERIC PIPE ITEM 15" HDPE PIPE ELBOWS		1	EA GUARDRAIL ANCHOR UNITS, TYPE AT-1
372	LF	PIPE REMOVAL		8	EA GUARDRAIL ANCHOR UNITS, TYPE III
Lump Sum	LS	FINE GRADING		11	EA GUARDRAIL ANCHOR UNITS, TYPE 350
16,000	TON	STABILIZER AGGREGATE		337.5	LF REMOVE & RESET EXISTING GUARDRAIL
73,000	TON	AGGREGATE BASE COURSE		40,600	LF WOVEN WIRE FENCE, 47" FABRIC
250	TON	INCIDENTAL STONE BASE		2,650	EA 4" TIMBER FENCE POSTS, 7'-6" LONG
1,330	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")		520	EA 5" TIMBER FENCE POSTS, 8'-0" LONG
	500	SY INCIDENTAL MILLING		3,700	LF CHAIN LINK FENCE, 48" FABRIC
1,300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B		310	EA METAL LINE POSTS FOR 48" CHAIN LINK FENCE
2,150	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		25	EA METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
17,700	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		10	EA METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (48")
				100	LF ADDITIONAL BARBED WIRE

5	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (48" HIGH, 12' WIDE, 12' OPEN)		196	LF	ABANDON 6" UTILITY PIPE
4	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (48" HIGH, 16' WIDE, 16' OPEN)		2,096	LF	ABANDON 8" UTILITY PIPE
1	EA	DOUBLE GATES, *** HIGH, ** WIDE, ** OPENING (48" HIGH, 10' WIDE, 20' OPEN)		2,123	LF	ABANDON 12" UTILITY PIPE
125	TON	RIP RAP, CLASS I		275	LF	ABANDON 14" UTILITY PIPE
1,610	TON	RIP RAP, CLASS II		450	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
65	TON	RIP RAP, CLASS B		47,000	LF	TEMPORARY SILT FENCE
4,020	SY	FILTER FABRIC FOR DRAINAGE		550	TON	STONE FOR EROSION CONTROL, CLASS A
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON		5,040	TON	STONE FOR EROSION CONTROL, CLASS B
1,310	LF	SUPPORTS, 3-LB STEEL U-CHANNEL		3,120	TON	SEDIMENT CONTROL STONE
6	EA	SIGN ERECTION, TYPE D		40	ACR	TEMPORARY MULCHING
56	EA	SIGN ERECTION, TYPE E		1,350	LB	SEED FOR TEMPORARY SEEDING
6	EA	SIGN ERECTION, TYPE F		5.5	TON	FERTILIZER FOR TEMPORARY SEEDING
19	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL		2,650	LF	TEMPORARY SLOPE DRAINS
1,096	SF	WORK ZONE SIGNS (STATIONARY)		87	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
552	SF	WORK ZONE SIGNS (PORTABLE)		17,930	LF	SAFETY FENCE
210	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)		7,755	CY	SILT EXCAVATION
2	EA	FLASHING ARROW PANELS, TYPE C		5,000	SY	MATTING FOR EROSION CONTROL
4	EA	CHANGEABLE MESSAGE SIGN		10	SY	COIR FIBER MAT
430	EA	DRUMS		350	SY	PERMANENT SOIL REINFORCEMENT MAT
42	EA	CONES		5,400	LF	1/4" HARDWARE CLOTH
376	LF	BARRICADES (TYPE III)		130	LF	*** TEMPORARY PIPE (24")
10,000	HR	FLAGGER		175	SY	FLOATING TURBIDITY CURTAIN
8	EA	TEMPORARY CRASH CUSHIONS		300	CY	STILLING BASINS
2	EA	RESET TEMPORARY CRASH CUSHIONS		32	EA	SPECIAL STILLING BASINS
2	EA	TMA		140	LF	COIR FIBER BAFFLES
670	LF	PORTABLE CONCRETE BARRIER		1	EA	*** SKIMMER (2")
220	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)		82	ACR	SEEDING & MULCHING
400	LF	RESET PORTABLE CONCRETE BARRIER		22.5	ACR	MOWING
200	HR	POLICE		350	LB	SEED FOR REPAIR SEEDING
84	EA	SKINNY DRUM		0.75	TON	FERTILIZER FOR REPAIR SEEDING
623	EA	TEMPORARY RAISED PAVEMENT MARKERS		900	LB	SEED FOR SUPPLEMENTAL SEEDING
652	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (4)		61.25	TON	FERTILIZER TOPDRESSING
197,322	LF	PAINT PAVEMENT MARKING LINES (4")		30	LF	IMPERVIOUS DIKE
340	LF	PAINT PAVEMENT MARKING LINES (8")		7.5	HR	SPECIALIZED HAND MOWING
1,740	LF	PAINT PAVEMENT MARKING LINES (24")		36	EA	RESPONSE FOR EROSION CONTROL
16	EA	PAINT PAVEMENT MARKING CHARACTER		0.5	ACR	REFORESTATION
122	EA	PAINT PAVEMENT MARKING SYMBOL		2,264	LF	SIGNAL CABLE
95,764	LF	POLYUREA PAVEMENT MARKING LINES (4", *****)		8	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
74	LF	POLYUREA PAVEMENT MARKING LINES (8", *****)		471	LF	MESSENGER CABLE (3/8")
418	LF	POLYUREA PAVEMENT MARKING LINES (24", *****)		189	LF	PAVED TRENCHING (***** (1, 2"))
16	EA	POLYUREA PAVEMENT MARKING CHARACTER (*****)		2,299	LF	UNPAVED TRENCHING (***** (1, 2"))
76	EA	POLYUREA PAVEMENT MARKING SYMBOL (*****)		482	LF	DIRECTIONAL DRILL (***** (2, 2"))
3,119	LF	REMOVAL OF PAVEMENT MARKING LINES (4")		19	EA	JUNCTION BOX (STANDARD SIZE)
84	LF	REMOVAL OF PAVEMENT MARKING LINES (8")		5	EA	WOOD POLE
86	LF	REMOVAL OF PAVEMENT MARKING LINES (24")		8	EA	GUY ASSEMBLY
3	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS		1	EA	1" RISER WITH WEATHERHEAD
27	EA	PERMANENT RAISED PAVEMENT MARKERS		6	EA	2" RISER WITH WEATHERHEAD
888	EA	SNOWPLOWABLE PAVEMENT MARKERS		3,331	LF	INDUCTIVE LOOP SAWCUT
248	LF	*** WATER LINE (14")		4,820	LF	LEAD-IN CABLE (***** (18-2))
270	LF	4" WATER LINE		120	LF	LEAD-IN CABLE (***** (18-4))
55	LF	8" WATER LINE		2	EA	MICROWAVE VEHICLE DETECTOR
4,660	LF	12" WATER LINE		8	EA	METAL POLE WITH SINGLE MAST ARM
2	EA	4" VALVE		8	EA	SOIL TEST
1	EA	8" VALVE		60	CY	DRILLED PIER FOUNDATION
11	EA	12" VALVE		8	EA	MAST ARM WITH METAL POLE DESIGN
21	EA	RECONNECT WATER METER		2	EA	SIGN FOR SIGNALS
8	EA	RELOCATE FIRE HYDRANT		2	EA	SIGNAL CABINET FOUNDATION
				2	EA	CABINET BASE ADAPTER
				2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
				12	EA	DETECTOR CARD (TYPE 2070L)
				14	EA	GENERIC SIGNAL ITEM POLYCARBONATE VEHICLE SIGNAL HEAD, (12", 3 SECT)
				2	EA	GENERIC SIGNAL ITEM POLYCARBONATE VEHICLE SIGNAL HEAD, (12", 5 SECT)
						CULVERT ITEMS
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (23+98.00 -Y7-)				
47	TON	FOUNDATION CONDITIONING MATERIAL, 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 ***** (58+00.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (21+50.00 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 58+00.00 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4, 58+00.00 -L-)
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 ***** (21+50.00 -L-)
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 (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