



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

April 19, 2005

RE: Invitation to Bid

To Whom It May Concern:

We find it necessary to update the list of businesses receiving our Invitation to Bid. If you wish to remain on the list of businesses receiving the Invitation to Bid, please complete and return the enclosed data sheet.

Please note that there will be a renewal charge of \$25.00 per year, plus applicable sales tax for the Invitation to Bid for the fiscal year of July 2005 through June 2006. Your check should be made payable to the "North Carolina Department of Transportation," and should be returned with your data sheet. If your mailing address is in North Carolina, your check should be in the amount of \$26.76 to include North Carolina Sales Tax.

Also, the Invitation to Bid is on the Internet at www.ncdot.org/business/. Click on Project Letting, and then Invitation to Bid, for the month you are interested in.

Please complete and return the data sheet to the following address:

North Carolina Department of Transportation
1591 Mail Service Center
Raleigh, North Carolina 27699-1591
Attention: Project Services Unit
Betty Rawls

Sincerely,

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

R. A. Garris, P. E.
Contract Officer
(Over)

RAG/blr

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT SERVICES UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

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

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

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-15
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

North Carolina Department of Transportation

INFORMATION DATA SHEET FOR INVITATION TO BID LIST

Note: Due to certain limitations of our word processing center, please limit your information to 40 spaces per line. Use the mailing address of the office that you want the Invitation to Bid to be mailed to. The cost of each subscription is \$25.00, plus applicable sales tax.

1. Firm Name: _____

2. Mailing Address: _____

3. City: _____ State: _____ Zip: _____

4. Attention: _____

5. Telephone Number: (_____) _____
Area Code



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

April 19, 2005

RE: Bid Tabulations

To Whom It May Concern:

We find it necessary to update the list of businesses receiving our Bid Tabulations. If you wish to remain on the list of businesses receiving the Bid Tabulations, please complete and return the enclosed data sheet.

Please note that there will be a renewal charge of \$110.00 per year, plus applicable sales tax for the Bid Tabulations for the fiscal year of July 2005 through June 2006. Your check should be made payable to the "North Carolina Department of Transportation," and should be returned with your data sheet. If your mailing address is in North Carolina, your check should be in the amount of \$117.70 to include North Carolina Sales Tax.

Also, the Bid Tabulations are on the Internet at www.ncdot.org/business/. Click on Project Letting, and then Bidtabs Sheet, for the month you are interested in.

Please complete and return the data sheet to the following address:

North Carolina Department of Transportation
1591 Mail Service Center
Raleigh, North Carolina 27699-1591

Attention: Project Services Unit
Betty Rawls

Sincerely,

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

R. A. Garris, P. E.
Contract Officer
(Over)

RAG/blr

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PROJECT SERVICES UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

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

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

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-15
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

North Carolina Department of Transportation

INFORMATION DATA SHEET FOR BID TABULATIONS

Note: Due to certain limitations of our word processing center, please limit your information to 40 spaces per line. Use the mailing address of the office that you want the Bid Tabulations to be mailed to. The cost of each subscription is \$110.00, plus applicable sales tax.

1. Firm Name: _____

2. Mailing Address: _____

3. City: _____ State: _____ Zip: _____

4. Attention: _____

5. Telephone Number: (_____) _____
Area Code




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

January 18, 2005

MEMORANDUM TO: All Prequalified Contractors
FROM: R. A. Garris, P.E. 
Contract Officer
RE: OCR Assistance meeting Contract Goals

The North Carolina Department of Transportation implements a Disadvantaged Business Enterprise Program in accordance with U.S. Department of Transportation requirements, and a Minority/Women Business Enterprise Program in accordance with state law. These programs assist disadvantaged, minority, and women-owned business enterprises (D/M/WBE) gain contracting opportunities with NCDOT.

NCDOT's Office of Civil Rights and Business Development (OCR) is charged with administering both the DBE and M/WBE Program, and with assisting NCDOT achieve annual goals for firms certified into the programs. D/M/WBE participation goals are met by the establishment of contract goals on projects let by the Department. Contractors bidding on NCDOT projects are expected to make every reasonable effort in good faith to reach the goals set on each project.

The Office of Civil Rights and Business Development is ready and willing to assist any contractor needing assistance securing D/M/WBE firms to participate as subcontractors on NCDOT projects. Three (3) Business Development Specialists are assigned to assist prime contractors and potential subcontractors connect to achieve contract goals. Contractors are encouraged to contact the Business Development Specialists as part of their good-faith effort to reach the contract goals and to discover potential partners for other projects across the state.

Bennington Corporation formerly provided consulting services to the Office of Civil Rights and assisted with D/M/WBE outreach. This agreement is no longer in affect, therefore, contractors should contact OCR directly for assistance with locating firms to bid as subcontractors. OCR's Business Development Specialists and their respective division responsibilities are listed below:

Specialist Name	Phone Number	Email Address	NCDOT Division
Thomas Burt	(919) 807-0851	Tburt@dot.state.nc.us	1, 2, 3, 4, 6
Lorenzo Jackson	(919) 807-0845	Lzjackson@dot.state.nc.us	5, 7, 11, 13, 14
Nathaniel Sanders, Jr.	(919) 807-0846	Nsanders@dot.state.nc.us	8, 9, 10, 12

If you have any questions about our programs or are not certain which Business Development Specialist to work with, contact Shelton A. Russell at (919) 807-0852 or email sarussell@dot.state.nc.us.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 22, 2005

MEMORANDUM TO: Prospective Bidders

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

SUBJECT: Erosion and Sediment Control/ Stormwater Certification Training

As you are aware, the Department is pursuing Erosion and Sediment Control/ Stormwater Certification for DOT, CEI, and Contractor's personnel. The purpose of this memo is to outline the goals for the Department and identify Contractor and CEI personnel impacted. North Carolina State University's Department of Biological and Agricultural Engineering will administer the certification program. The certification includes classroom instruction and satisfactory completion of an examination. Candidates may waive the classroom instruction and attend the examination only.

Three (3) levels of certification are planned:

- Level I will target Installers/Inspectors involved with the installation and inspection of temporary and permanent erosion and sediment control/stormwater bid items. Candidates are: contractor's/subcontractor's foreman on an Erosion Control Installation Crew or Seeding and Mulching Crew; and CEI TT's inspecting erosion control/stormwater bid items. Level I certification training classes will begin in 2006 with a goal of having Level I personnel on projects that have erosion control plans beginning in 2007. **No action may be taken on Level I training until early 2006.**
- Level II will target CEI TT's serving as the chief or lead inspector on a project. Also, Level II will target contractor's/subcontractor's site manager for: grading operations; bridge/culvert operations over rivers/streams; and utility operations involving earth disturbance. One Level II site manager for each crew. Level II certification training classes will be held in March 2005 and again in late 2005 with a goal of having certified contractors/subcontractors and CEI TT's on projects that have erosion control plans beginning in 2006. **Early registration encouraged.**

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CONTRACTS & PROPOSALS
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

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

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

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

Prospective Bidders

March 22, 2005

Page 2

- Level III will target contractor's, CEI's, and PEF's who prepare or oversee the preparation of erosion and sediment control and stormwater pollution prevention plans and reclamation plans. The implementation date for Level III has not yet been determined.

To obtain detailed information regarding the certification program, review locations for Level II classes or registration, please visit the certification website at:

www.bae.ncsu.edu/workshops/dot/index.html

Those wishing to sponsor a certification training class and examination with 50 or more candidates can contact NCSU at the above website.

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.

TMS

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

ELECTRONIC BIDS FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE PROJECT SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM ON MAY 17, 2005**. 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. AN ORIGINAL PROPERLY EXECUTED NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION SHALL BE ON FILE IN THE CONTRACT OFFICE FROM EACH PROSPECTIVE BIDDER PRIOR TO SUBMITTING AN ELECTRONIC BID. FORMS ARE AVAILABLE AT
http://www.doh.dot.state.nc.us/preconstruct/highway/dsn_srvc/contracts/letting.htm

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.doh.dot.state.nc.us/preconstruct/highway/dsn_srvc/contracts/letting.htm

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).

STATE PRIVILEGE LICENSE TAXES: CONTRACTORS WHO BID UPON AND/OR ARE AWARDED NORTH CAROLINA HIGHWAY CONSTRUCTION PROJECTS ARE SUBJECT TO CONTRACTOR BIDDERS AND/OR CONTRACTOR PROJECT PRIVILEGE LICENSE TAXES UNDER G.S. 105-54 OF THE STATE REVENUE LAWS. FOR INFORMATION, WRITE TO THE NORTH CAROLINA DEPARTMENT OF REVENUE, LICENSE AND EXCISE TAX DIVISION, P.O. BOX 25000, RALEIGH, NC 27640, OR CALL 919-733-3673.

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 MANAGER OF CONSTRUCTION, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1543 MAIL SERVICE CENTER, RALEIGH, N. C., 27699-1543. ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE MANAGER OF CONSTRUCTION AT LEAST TWO WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY INSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-250-4124), FAXING (919-250-4127), OR WRITING TO : PLANS AND PROPOSALS, PROJECT SERVICES UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 7% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "**N.C. DEPARTMENT OF TRANSPORTATION**".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS APRIL 19, 2005.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

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	Cornelius E Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 830-3490
00003	H. Allen Pope, PE	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Jim H Trogdon, PE	PO BOX 3165	WILSON	(252) 237-6164
00005	Jonathan G Nance, 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	Benton G Payne, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 667-9111
00012	Michael L Holder, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L050517

RPN	Contract Id	WBS	County	Length	JobType
001	C200858	33065.3.2	CURRITUCK	0.171 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
* 002	C201458	36828.1.1	BERTIE	1.111 MI	DECK REHABILITATION.
003	C201200	33312.3.1	GREENE, LENOIR	0.199 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
004	C201440	38245.3.1	PITT	0.468 MI	GRADING, DRAINAGE & PAVING.
005	C201457	34452.3.7	PAMLICO	8.142 KM	GRADING, DRAINAGE, PAVING, CURB & GUTTER AND CULVERTS.
006	C201465	33224.3.2 ETC.	ONSLOW	2.215 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
**007	C201226	34459.3.4	JOHNSTON, WAKE	7.188 KM	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
**008	C201209	34459.3.5	JOHNSTON	10.055 KM	GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS & STRUCTURES.
009	C201466	34459.3.4 ETC.	JOHNSTON, WAKE	17.243 KM	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
010	C201324	33240.3.1	STANLY	0.163 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
011	C200891	33253.3.1	WILKES	0.327 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
012	C201199	32751.3.2	ASHE	0.298 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
013	C201258	33249.3.1	WATAUGA	0.071 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
014	C201223	33280.3.2	CLEVELAND	0.134 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.

* THERE WILL BE A MANDATORY PRE-BID CONFERENCE ON MAY 4TH AT 10:00AM AT TIDEWATER RESEARCH STATION, 207 RESEARCH STATION RD, PLYMOUTH, NC (252-793-4118 OR 4428)

** FOR THESE PROJECTS, THE PRICING IS: SM RDWY & STR PLANS - \$60.00, X-SECTIONS \$60.00, LRG RWY & STR PLANS \$200.00

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 001

CONTRACT ID : C200858 33065.3.2

DIV OFFICE EDENTON

LENGTH = 0.171 MI

COUNTY : CURRITUCK

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 4.0% COMPLETION DATE : OCT 01 2006

BRIDGE #7 OVER A CREEK AND APPROACHES ON NC-615.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
500	CY	UNCLASSIFIED EXCAVATION
7,100	CY	UNDERCUT EXCAVATION
15,600	CY	BORROW EXCAVATION
1,100	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
1,500	CY	SELECT GRANULAR MATERIAL
1,300	SY	FABRIC FOR SOIL STABILIZATION
2,540	SF	TEMPORARY SHORING - BARRIER SUPPORTED
750	SY	GENERIC GRADING ITEM
112	LF	ROCK PLATING
320	LF	15" RC PIPE CULVERTS, CLASS III
80	LF	*** CAA PIPE CULVERTS, ***** THICK (36", 0.075")
80	LF	PIPE REMOVAL
Lump Sum	LS	FINE GRADING
260	TON	AGGREGATE BASE COURSE
600	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
520	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
60	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
30	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
4	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.29
290	LF	SHOULDER BERM GUTTER
625	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
5	TON	PLAIN RIP RAP, CLASS B
160	SY	FILTER FABRIC FOR DRAINAGE
148	SF	WORK ZONE SIGNS (STATIONARY)
365	SF	WORK ZONE SIGNS (PORTABLE)
70	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4	EA	WARNING FLAG SETS
50	EA	DRUMS
30	EA	CONES
80	LF	BARRICADES (TYPE III)
16	MD	FLAGGER
4	EA	TEMPORARY CRASH CUSHIONS
4	EA	RESET TEMPORARY CRASH CUSHIONS
2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
1,580	LF	PORTABLE CONCRETE BARRIER
1,140	LF	RESET PORTABLE CONCRETE BARRIER
2,896	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2,896	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
10,850	LF	PAINT PAVEMENT MARKING LINES (4")
37	LF	PAINT PAVEMENT MARKING LINES (24")
400	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
34	EA	PERMANENT RAISED PAVEMENT MARKERS
985	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A

155	TON	STONE FOR EROSION CONTROL, CLASS B
300	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
300	LF	SAFETY FENCE
370	CY	SILT EXCAVATION
525	SY	MATTING FOR EROSION CONTROL
835	LF	1/4" HARDWARE CLOTH
107	SY	FLOATING TURBIDITY CURTAIN
0.5	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
1	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
1,300	LF	SIGNAL CABLE
4	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
70	LF	MESSENGER CABLE (1/4")
1,180	LF	MESSENGER CABLE (3/8")
80	LF	TRENCHING (UNPAVED)
2	EA	JUNCTION BOX (STANDARD SIZE)
8	EA	WOOD POLE
4	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
4	EA	2" RISER WITH WEATHERHEAD
400	LF	INDUCTIVE LOOP SAWCUT
1,320	LF	LEAD-IN CABLE
2	EA	SIGN FOR SIGNALS
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
1	EA	DETECTOR CARD (TYPE 2070L)

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+18.00-L-)
3	EA	DYNAMIC LOAD TEST
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (24+18.00-L-)
107.1	CY	CLASS AA CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (24+18.00-L-)
17,392	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
1,585	LF	16" PRESTRESSED CONC PILES
1,530	LF	24" PRESTRESSED CONC PILES
18	EA	STEEL PILE TIPS
339.33	LF	TWO BAR METAL RAIL
355.22	LF	1'-***X ***** CONCRETE PARAPET (1'-2" X 2'-8 1/2")
185	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
215	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
3,012.38	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS
Lump Sum	LS	GENERIC STRUCTURE ITEM EPOXY SAND SURFACE
Lump Sum	LS	GENERIC STRUCTURE ITEM RAILING SYSTEM
20	TON	GENERIC STRUCTURE ITEM SCOUR PROTECTION STONE

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 002

CONTRACT ID : C201458 36828.1.1

DIV OFFICE EDENTON

LENGTH = 1.111 MI

COUNTY : BERTIE

DECK REHABILITATION.

DBE GOAL 0.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER ROANOKE, MIDDLE AND CASHIE RIVER ON NC-45.

STRUCTURE ITEMS

Lump Sum	LS	MOBILIZATION (STRUCTURES)
Lump Sum	LS	GENERIC STRUCTURE ITEM DECK REHABILITATION FOR BRIDGE NO. 7 IN BERTIE COUNTY
1,500	DOL	CONTRACT TIME

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 003

CONTRACT ID : C201200 33312.3.1

DIV OFFICE GREENVILLE

LENGTH = 0.199 MI

COUNTY : GREENE, LENOIR

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : JUL 01 2006

BRIDGE OVER WHEAT SWAMP CREEK AND APPROACHES ON NC-58.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+21.50)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
200	CY	UNDERCUT EXCAVATION
200	SY	FABRIC FOR SOIL STABILIZATION
11	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
48	LF	15" SIDE DRAIN PIPE
48	LF	15" RC PIPE CULVERTS, CLASS III
38	LF	PIPE REMOVAL
100	TON	INCIDENTAL STONE BASE
3,600	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
3,300	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
4,700	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
592	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
110	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.24
240	LF	SHOULDER BERM GUTTER
48	SY	6" CONCRETE DRIVEWAY
612.5	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
23	TON	PLAIN RIP RAP, CLASS B
281	SY	FILTER FABRIC FOR DRAINAGE
93	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
40	LF	SUPPORTS, WOOD
2	EA	SIGN ERECTION, TYPE D
3	EA	SIGN ERECTION, TYPE E
1	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
2	EA	RELOCATE SIGN, TYPE ***** (E)
2	EA	DISPOSAL OF SUPPORT, WOOD
16	EA	DISPOSAL OF SIGN SYSTEM, WOOD
20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
80	LF	BARRICADES (TYPE III)
2,150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
2,150	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
8,600	LF	PAINT PAVEMENT MARKING LINES (4")
15	EA	PERMANENT RAISED PAVEMENT MARKERS
30	TON	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
30	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
564	LF	*** PVC WATER PIPE, SDR ***** (3", SDR21)
250	LB	DUCTILE IRON WATER PIPE FITTINGS, 250# MIN WP
2	EA	*** GATE VALVE & VALVE BOX, *****WP (3", 200 PSI)
1	EA	*** BLOW OFF ASSEMBLY (2")

545	LF	GENERIC UTILITY ITEM 4" HDPE WATER PIPE, BY DIRECTIONAL BORE
1,175	LF	TEMPORARY SILT FENCE
50	TON	STONE FOR EROSION CONTROL, CLASS A
65	TON	STONE FOR EROSION CONTROL, CLASS B
50	TON	SEDIMENT CONTROL STONE
3.5	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
50	LF	TEMPORARY SLOPE DRAINS
2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
150	CY	SILT EXCAVATION
400	SY	MATTING FOR EROSION CONTROL
2	EA	SPECIAL STILLING BASINS
3.5	ACR	SEEDING & MULCHING
2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.5	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+21.50 -L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (19+21.50 -L-)
4,736	SF	GROOVING BRIDGE FLOORS
36.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+21.50 -L-)
5,980	LB	REINFORCING STEEL (BRIDGE)
900	LF	12" PRESTRESSED CONC PILES
145.5	LF	CONCRETE BARRIER RAIL
181	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
201	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1,091.25	LF	3'-0" X 2'-3" PRESTRESSED CONC BOX BEAMS
3,043	SF	GENERIC STRUCTURE ITEM CONCRETE WEARING SURFACE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L050517 004

CONTRACT ID : C201440 38245.3.1

DIV OFFICE GREENVILLE

LENGTH = 0.468 MI

COUNTY : PITT

GRADING, DRAINAGE & PAVING.

MBE GOAL 6.0% WBE 6.0% COMPLETION DATE : OCT 01 2006

SR-1323 (ARLINGTON BLVD) FROM SR-1202 (MACGREGOR DOWNS RD) TO NC-43.

ROADWAY ITEMS					
			4,750	LF	PAINT PAVEMENT MARKING LINES (4")
			350	LF	PAINT PAVEMENT MARKING LINES (8")
			75	LF	PAINT PAVEMENT MARKING LINES (24")
			8	EA	PAINT PAVEMENT MARKING CHARACTER
			13	EA	PAINT PAVEMENT MARKING SYMBOL
			3,000	LF	TEMPORARY SILT FENCE
			100	TON	STONE FOR EROSION CONTROL, CLASS B
			100	TON	SEDIMENT CONTROL STONE
			2	ACR	TEMPORARY MULCHING
			200	LB	SEED FOR TEMPORARY SEEDING
			1	TON	FERTILIZER FOR TEMPORARY SEEDING
			50	CY	SILT EXCAVATION
			500	SY	MATTING FOR EROSION CONTROL
			250	LF	1/4" HARDWARE CLOTH
			4.25	ACR	SEEDING & MULCHING
			200	LB	SEED FOR REPAIR SEEDING
			1	TON	FERTILIZER FOR REPAIR SEEDING
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	GRADING			
200	CY	UNDERCUT EXCAVATION			
100	CY	SELECT GRANULAR MATERIAL			
100	SY	FABRIC FOR SOIL STABILIZATION			
275	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
392	LF	15" RC PIPE CULVERTS, CLASS III			
1,214	LF	18" RC PIPE CULVERTS, CLASS III			
188	LF	24" RC PIPE CULVERTS, CLASS III			
364	LF	66" BIT COAT CS PIPE CULVERTS, TYPE B 0.138" THICK			
378	LF	78" BIT COAT CS PIPE CULVERTS, TYPE B 0.168" THICK			
203	LF	PIPE REMOVAL			
100	TON	INCIDENTAL STONE BASE			
3,800	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
3,220	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
2,370	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
458	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
28	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)			
40	CY	REINFORCED ENDWALLS			
20	EA	MASONRY DRAINAGE STRUCTURES			
4	EA	FRAME WITH TWO GRATES, STD 840.16			
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)			
10	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)			
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)			
1	EA	FRAME WITH COVER, STD 840.54			
2	EA	CONCRETE APRON FOR CATCH BASIN			
2	EA	CONCRETE APRON FOR DROP INLETS			
2,650	LF	1'-6" CONCRETE CURB & GUTTER			
4,950	LF	2'-6" CONCRETE CURB & GUTTER			
2,550	SY	4" CONCRETE SIDEWALK			
110	SY	CONCRETE WHEELCHAIR RAMPS			
135	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)			
14	TON	PLAIN RIP RAP, CLASS B			
45	SY	FILTER FABRIC FOR DRAINAGE			
168	SF	WORK ZONE SIGNS (STATIONARY)			
30	SF	WORK ZONE SIGNS (PORTABLE)			
96	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
50	EA	DRUMS			
100	LF	BARRICADES (TYPE III)			
3,550	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
75	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)			
19	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 005

CONTRACT ID : C201457 34452.3.7

DIV OFFICE GREENVILLE

LENGTH = 8.142 KM

COUNTY : PAMLICO

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

DBE GOAL 13.0% COMPLETION DATE : JUN 01 2008

NC-55 FROM SR-1129 (BENNETT-TINGLE RD) TO NC-304 IN BAYBORO.

ROADWAY ITEMS				
			1,300	MTN ASPHALT CONC BASE COURSE, TYPE B25.0B
			15,700	MTN ASPHALT CONC BASE COURSE, TYPE B25.0C
			28,800	MTN ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum	LS	MOBILIZATION		
35	MO	FIELD OFFICE		
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)		
0.4	HA	SUPPLEMENTARY CLEARING & GRUBBING	1,400	MTN ASPHALT CONC SURFACE COURSE, TYPE S9.5B
29,700	M3	UNCLASSIFIED EXCAVATION	34,300	MTN ASPHALT CONC SURFACE COURSE, TYPE S9.5C
29,200	M3	UNDERCUT EXCAVATION	2,170	MTN ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
2,500	MTN	CLASS IV SUBGRADE STABILIZATION	2,060	MTN ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
98,000	M3	BORROW EXCAVATION	1,000	MTN ASPHALT PLANT MIX PAVEMENT REPAIR
8,020	M3	DRAINAGE DITCH EXCAVATION	276	M3 SUBDRAIN EXCAVATION
690	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	207	M3 SUBDRAIN FINE AGGREGATE
120	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	500	M 150MM PERFORATED SUBDRAIN PIPE
1,060	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	50	EA 150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
18,000	M3	SELECT GRANULAR MATERIAL	4	EA CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
20,000	M2	FABRIC FOR SOIL STABILIZATION	8	M 150MM OUTLET PIPE (SUBDRAINS)
850	M2	TEMPORARY SHORING	60.8	M3 ENDWALLS
16,500	M3	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III	5	M3 PIPE COLLARS
600,000	L	GENERIC GRADING ITEM CONTAMINATED WATER DISPOSAL	3	M3 PIPE PLUGS
10,600	MTN	GENERIC GRADING ITEM EXCAVATION, HAULING & DISPOSAL OF CONTAMINATED SOIL	377	EA MASONRY DRAINAGE STRUCTURES
3,040	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	21	M MASONRY DRAINAGE STRUCTURES
64.8	M	****MM SIDE DRAIN PIPE (750MM)	1	EA FRAME WITH GRATE, STD 840.29
220.8	M	375MM SIDE DRAIN PIPE	121	EA FRAME WITH TWO GRATES, STD 840.**** (840.16)
66	M	450MM SIDE DRAIN PIPE	13	EA FRAME WITH TWO GRATES, STD 840.29
46.8	M	600MM SIDE DRAIN PIPE	50	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
253.2	M	300MM RC PIPE CULVERTS, CLASS III	94	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
1,699.2	M	375MM RC PIPE CULVERTS, CLASS III	86	EA FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
2,117	M	450MM RC PIPE CULVERTS, CLASS III	3	EA FRAME WITH COVER, STD 840.54
1,271.4	M	600MM RC PIPE CULVERTS, CLASS III	4	EA STEEL FRAME WITH TWO GRATES, STD 840.37
1,167.6	M	750MM RC PIPE CULVERTS, CLASS III	50	M FRAME WITH GRATES, DRIVEWAY DROP INLET
642	M	900MM RC PIPE CULVERTS, CLASS III	25	EA GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURES (SEALED SYSTEM)
346.8	M	1050MM RC PIPE CULVERTS, CLASS III	3,450	M *** X ****MM CONCRETE CURB (200MM X 450MM)
654	M	1200MM RC PIPE CULVERTS, CLASS III	8,500	M 750MM CONCRETE CURB & GUTTER
21.6	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	50	M ****MM CONCRETE GUTTER (600MM)
121.2	M	GENERIC PIPE ITEM 1200MM DI PIPE, CLASS 50	6	EA MODIFIED CONCRETE FLUME
3.6	M	GENERIC PIPE ITEM 300MM DI PIPE, CLASS 50	380	M CONCRETE EXPRESSWAY GUTTER
262.8	M	GENERIC PIPE ITEM 400MM DI PIPE, CLASS 50	25	M CONCRETE VALLEY GUTTER
52.8	M	GENERIC PIPE ITEM 450MM DI PIPE, CLASS 50	3,700	M2 100MM CONCRETE SIDEWALK
338.4	M	GENERIC PIPE ITEM 600MM DI PIPE, CLASS 50	270	M2 CONCRETE WHEELCHAIR RAMPS
66	M	GENERIC PIPE ITEM 750MM DI PIPE, CLASS 50	1,050	M2 150MM CONCRETE DRIVEWAY
229.2	M	GENERIC PIPE ITEM 900MM DI PIPE, CLASS 50	20	M2 100MM CONCRETE PAVED DITCH
2,898	M	PIPE REMOVAL	1,184.91	M STEEL BM GUARDRAIL
Lump Sum	LS	FINE GRADING	2	EA STEEL BM GUARDRAIL TERMINAL SECTIONS
500	KG	SEALING EXISTING PAVEMENT CRACKS	5	EA ADDITIONAL GUARDRAIL POSTS
33,600	MTN	AGGREGATE BASE COURSE	4	EA GUARDRAIL ANCHOR UNITS, TYPE CAT-1
2,000	MTN	INCIDENTAL STONE BASE	4	EA GUARDRAIL ANCHOR UNITS, TYPE 350
2,040	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (100MM)	55	M CHAIN LINK FENCE RESET
			750	MTN PLAIN RIP RAP, CLASS I
			225	MTN PLAIN RIP RAP, CLASS B
			3,550	M2 FILTER FABRIC FOR DRAINAGE
			2	EA PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			683	M SUPPORTS, WOOD
			18	EA SIGN ERECTION, TYPE D

			5	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA)
81	EA	SIGN ERECTION, TYPE E	12	EA	250MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA)
19	EA	SIGN ERECTION, TYPE F			
13	EA	RELOCATE SIGN, TYPE ***** (D)	2	EA	*** X ****MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (150MM X 150MM, 1.38MPA)
11	EA	DISPOSAL OF SUPPORT, WOOD	1	EA	*** X ****MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (200MM X 150MM, 1.38MPA)
107	EA	DISPOSAL OF SIGN SYSTEM, WOOD	3	EA	*** X ****MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (200MM X 200MM, 1.38MPA)
110	M2	WORK ZONE SIGNS (STATIONARY)	16	EA	*** X ****MM TAPPING SADDLE (100MM X 20MM)
45	M2	WORK ZONE SIGNS (PORTABLE)	1	EA	*** X ****MM TAPPING SADDLE (100MM X 25MM)
9	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	2	EA	*** X ****MM TAPPING SADDLE (150MM X 20MM)
2	EA	FLASHING ARROW PANELS, TYPE C	9	EA	*** X ****MM TAPPING SADDLE (200MM X 20MM)
2	EA	CHANGEABLE MESSAGE SIGNS	118	EA	*** X ****MM TAPPING SADDLE (250MM X 20MM)
4	EA	WARNING FLAG SETS	58	EA	RELOCATE EXISTING WATER METER
600	EA	DRUMS	7	EA	RELOCATE EXISTING FIRE HYDRANT
100	EA	CONES	406	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (100MM, SDR 21, 1.38MPA)
40	M	BARRICADES (TYPE III)	4,401	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (150MM, SDR 21, 1.38MPA)
600	MD	FLAGGER	1,654	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (200MM, SDR 21, 1.38MPA)
2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)	20.3	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (300MM, C900, DR 14, 1.38MPA)
920	M	WATER FILLED BARRIER	554	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (400MM, C900, DR 14, 1.38MPA)
4,069	EA	TEMPORARY RAISED PAVEMENT MARKERS	537	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (50MM, SDR 21, 1.38MPA)
11,000	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	999	M	****MM PVC FORCE MAIN SEWER PIPE, ***** (75MM, SDR 21, 1.38MPA)
26,500	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	317	KG	DUCTILE IRON SEWER PIPE FITTINGS, 1.72MPA MIN WP
120	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)	1	EA	GENERIC UTILITY ITEM 150MM LINE STOP & PLUG
380	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	3	EA	GENERIC UTILITY ITEM 200MM LINE STOP & PLUG
30	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)	13	EA	GENERIC UTILITY ITEM 50MM SEWER AIR RELEASE VALVE AND MANHOLE
259	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)	2,139	M	GENERIC UTILITY ITEM 20MM PE WATER TUBING, SDR9, 1.38MPA
140,790	M	PAINT PAVEMENT MARKING LINES (100MM)	10,000	M	TEMPORARY SILT FENCE
250	M	PAINT PAVEMENT MARKING LINES (200MM)	750	MTN	STONE FOR EROSION CONTROL, CLASS A
850	M	PAINT PAVEMENT MARKING LINES (600MM)	3,300	MTN	STONE FOR EROSION CONTROL, CLASS B
60	EA	PAINT PAVEMENT MARKING CHARACTER	2,400	MTN	SEDIMENT CONTROL STONE
534	EA	PAINT PAVEMENT MARKING SYMBOL	31.5	HA	TEMPORARY MULCHING
41,800	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	1,400	KG	SEED FOR TEMPORARY SEEDING
120	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)	12	MTN	FERTILIZER FOR TEMPORARY SEEDING
12	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	60	M	TEMPORARY SLOPE DRAINS
2,940	EA	PERMANENT RAISED PAVEMENT MARKERS	5	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
3	EA	2.1M U-CHANNEL POSTS	3,300	M	SAFETY FENCE
3	EA	OBJECT MARKERS (END OF ROAD)	3,500	M3	SILT EXCAVATION
2,684	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)	18,000	M2	MATTING FOR EROSION CONTROL
2,684	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)	2,460	M	6.4MM HARDWARE CLOTH
35	MTN	PAVEMENT REPAIR FOR UTILITY WORK	120	M	****MM TEMPORARY PIPE (600MM)
30	M	150MM DI WATER PIPE, PC 2.41MPA	260	M3	STILLING BASINS
268	M	****MM PVC WATER PIPE, SDR **** (75MM, SDR 21, 1.38MPA)	4	EA	SPECIAL STILLING BASINS
115	M	50MM PVC WATER PIPE, SDR 21, 1.38MPA WP	33	HA	SEEDING & MULCHING
872	M	100MM PVC WATER PIPE, SDR 21, 1.38MPA WP	17.5	HA	MOWING
509	M	150MM PVC WATER PIPE, SDR 21, 1.38MPA WP	400	KG	SEED FOR REPAIR SEEDING
119	M	200MM PVC WATER PIPE, SDR 21, 1.38MPA WP	1.5	MTN	FERTILIZER FOR REPAIR SEEDING
6,350	M	250MM PVC WATER PIPE, SDR 21, 1.38MPA WP	925	KG	SEED FOR SUPPLEMENTAL SEEDING
12,074	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	56	MTN	FERTILIZER TOPDRESSING
145	EA	20MM CORPORATION STOP	0.2	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE)
1	EA	25MM CORPORATION STOP	90	M	IMPERVIOUS DIKE
6	EA	****MM GATE VALVE & VALVE BOX, ****MPA WP (100MM, 1.38MPA)	8.5	HR	SPECIALIZED HAND MOWING
11	EA	****MM GATE VALVE & VALVE BOX, ****MPA WP (50MM, 1.38MPA)	24	EA	RESPONSE FOR EROSION CONTROL
9	EA	****MM GATE VALVE & VALVE BOX, ****MPA WP (75MM, 1.38MPA)	5	HA	REFORESTATION
17	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	620	M	SIGNAL CABLE

24	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
2	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)
175	M	MESSENGER CABLE (9.52MM)
41	M	TRENCHING (PAVED)
245	M	TRENCHING (UNPAVED)
160	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, *****MM (** CONDUIT) (50MM, 2)
12	EA	JUNCTION BOX (STANDARD SIZE)
4	EA	WOOD POLE
8	EA	GUY ASSEMBLY
1	EA	25MM RISER WITH WEATHERHEAD
1	EA	50MM RISER WITH WEATHERHEAD
1,100	M	INDUCTIVE LOOP SAWCUT
845	M	LEAD-IN CABLE
2	EA	MICROWAVE VEHICLE DETECTOR
6	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
1	EA	DOUBLE MAST ARM WITH METAL POLE
7	EA	SOIL TEST
35	M	DRILLED PIER FOUNDATION (**MM DIA) (1219MM)
7	EA	MAST ARM WITH METAL POLE DESIGN
1	EA	SIGN FOR SIGNALS
2	EA	CABINET BASE ADAPTER
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
12	EA	DETECTOR CARD (TYPE 2070L)

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (196+60.650-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (199+76.780-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (206+01.869-L-)
200	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
261.6	M3	CLASS A CONCRETE (CULVERT)
20,468	KG	EPOXY COATED REINFORCING STEEL (CULVERT)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 006

CONTRACT ID : C201465 33224.3.2

DIV OFFICE WILMINGTON

LENGTH = 2.215 MI

COUNTY : ONSLOW

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 12.0% COMPLETION DATE : DEC 31 2006

BRIDGE OVER LITTLE NE CREEK & APPROACHES ON SR-1423 AT JACKSONVILLE AND SR-1423 FROM NORTH OF SR-1411 TO SR-1413.

ROADWAY ITEMS				
		12	SY	4" CONCRETE PAVED DITCH
		350	LF	STEEL BM GUARDRAIL
		5	EA	ADDITIONAL GUARDRAIL POSTS
		4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
Lump Sum	LS	4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
Lump Sum	LS	1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (W-BEAM)
Lump Sum	LS	23	LF	WOVEN WIRE FENCE, 47" FABRIC
2	ACR	7	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
20,800	CY	36	LF	CHAIN LINK FENCE, 48" FABRIC
Lump Sum	LS	3	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
		3	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
8,400	CY	1	EA	SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (4' HIGH, 10' WIDE, 10' OPENING)
32,201	CY	36	TON	PLAIN RIP RAP, CLASS I
95	CY	119	TON	PLAIN RIP RAP, CLASS B
1,800	SY	1,083	SY	FILTER FABRIC FOR DRAINAGE
		2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
228	SY	78	SF	WORK ZONE SIGNS (STATIONARY)
400	CY	328	SF	WORK ZONE SIGNS (PORTABLE)
400	SY	38	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
600	SF	3	EA	WARNING FLAG SETS
298	TON	100	EA	DRUMS
		50	EA	CONES
932	LF	96	LF	BARRICADES (TYPE III)
36	LF	720	HR	FLAGGER
48	LF	1	EA	TEMPORARY CRASH CUSHIONS
248	LF	1	EA	RESET TEMPORARY CRASH CUSHIONS
572	LF	1	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
272	LF	230	LF	PORTABLE CONCRETE BARRIER
232	LF	225	EA	TEMPORARY RAISED PAVEMENT MARKERS
192	LF	24,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
192	LF	25,915	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
72	LF	100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
12	LF	120	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
2	EA	10	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,674	LF	99,830	LF	PAINT PAVEMENT MARKING LINES (4")
10	EA	200	LF	PAINT PAVEMENT MARKING LINES (8")
Lump Sum	LS	240	LF	PAINT PAVEMENT MARKING LINES (24")
1,000	TON	24	EA	PAINT PAVEMENT MARKING CHARACTER
1	SMI	20	EA	PAINT PAVEMENT MARKING SYMBOL
6,260	TON	2,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
5,182	TON	225	EA	PERMANENT RAISED PAVEMENT MARKERS
2,652	TON	1,015	TON	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
686	TON	1,015	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
244	TON	78	LF	6" PVC WATER PIPE, SDR ***** (SDR 21, 200# WP)
500	TON	8,235	LF	8" PVC WATER PIPE, SDR ***** (SDR 21, 200# WP)
20	CY	1,960	LB	DUCTILE IRON WATER PIPE FITTINGS, 250# MIN WP
9	EA			
2	EA			
3	EA			
2	EA			
2	EA			
325	LF			
200	SY			

1,720	LF	3/4" PE WATER TUBING, SDR 9, *****WP (200# WP)
39	EA	3/4" CORPORATION STOP
3	EA	6" GATE VALVE & VALVE BOX, 200# WP
3	EA	8" GATE VALVE & VALVE BOX, *****WP (200# WP)
39	EA	***"X**" TAPPING SADDLE (8" X 3/4")
45	EA	RELOCATE EXISTING WATER METER
2	EA	FIRE HYDRANT, *****# WP (150 #WP)
1,250	LF	TEMPORARY SILT FENCE
150	TON	STONE FOR EROSION CONTROL, CLASS A
940	TON	STONE FOR EROSION CONTROL, CLASS B
355	TON	SEDIMENT CONTROL STONE
21.5	ACR	TEMPORARY MULCHING
800	LB	SEED FOR TEMPORARY SEEDING
3.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
120	LF	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
450	LF	SAFETY FENCE
2,550	CY	SILT EXCAVATION
5,150	SY	MATting FOR EROSION CONTROL
140	LF	1/4" HARDWARE CLOTH
40	LF	***" TEMPORARY PIPE (18")
30	SY	FLOATING TURBIDITY CURTAIN
24.5	ACR	SEEDING & MULCHING
13	ACR	MOWING
250	LB	SEED FOR REPAIR SEEDING
0.75	TON	FERTILIZER FOR REPAIR SEEDING
500	LB	SEED FOR SUPPLEMENTAL SEEDING
18.25	TON	FERTILIZER TOPDRESSING
1.5	HR	SPECIALIZED HAND MOWING
16	EA	RESPONSE FOR EROSION CONTROL
1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (27+84.47 -L-)
73.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (27+84.47 -L-)
13,298	LB	REINFORCING STEEL (BRIDGE)
420	LF	HP12X53 STEEL PILES
840	LF	PP 18 X 0.50 STEEL PILES
382.63	LF	TWO BAR METAL RAIL
397.63	LF	1'-***"X *****" CONCRETE PARA- PET (1'-2" X 2'-8 1/2")
235	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
262	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
2,379.75	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L050517 007

CONTRACT ID : C201226 34459.3.4

DIV OFFICE WILSON

LENGTH = 7.188 KM

COUNTY : JOHNSTON, WAKE

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 7.0% WBE 6.0% COMPLETION DATE : JUN 15 2009

US-70 BYPASS (CLAYTON BYPASS) FROM I-40 TO EAST OF NC-42.

ROADWAY ITEMS					
			154.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
			86.4	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
			34.8	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
			21.6	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
			69.6	M	1000MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK
			10.8	M	1650MM BIT COAT CS PIPE CULVERTS, TYPE B 3.51MM THICK
			1	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (1000MM, 2.77MM)
			2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (900MM, 2.01MM)
			28	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
			12	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
			5	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
			509	M	PIPE REMOVAL
			336	M2	150MM SLOPE PROTECTION
			325	M2	GENERIC GRADING ITEM
					100MM MEDIAN SLOPE PROTECTION
			Lump Sum	LS	FINE GRADING
			95,150	M2	LIME TREATED SOIL (SLURRY METHOD)
			575	MTN	LIME FOR LIME TREATED SOIL
			150	MTN	#57 STONE
			1,500	MTN	STABILIZER AGGREGATE
			126,800	MTN	AGGREGATE BASE COURSE
			95,150	M2	***MM SOIL CEMENT BASE (180MM)
			2,856	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
			325	MTN	AGGREGATE FOR SOIL CEMENT BASE
			129,412	L	ASPHALT CURING SEAL
			3,400	MTN	INCIDENTAL STONE BASE
			70,400	M3	SHOULDER BORROW
			25,000	L	PRIME COAT
			325	M2	INCIDENTAL MILLING
			16,000	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
			49,910	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
			1,380	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
			48,615	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
			1,425	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
			6,825	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			7,400	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
			35	MTN	ASPHALT CONC SURFACE COURSE, TYPE S4.75A
			42,755	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C
			5,757	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
			2,765	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
			427	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
			24,445	M	MILLED RUMBLE STRIPS
			32,325	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (360MM)
			1,150	M2	***MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (360MM)
			400	M2	GENERIC PAVING ITEM
					MILL EXISTING RUMBLE STRIP IN CONCRETE SHOULDER
			Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)			
2.8	HA	SUPPLEMENTARY CLEARING & GRUBBING			
8	EA	SEALING ABANDONED WELLS			
1,375,400	M3	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+64.125 -Y2-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+26.000 -LREV- LT)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+41.121 -Y4-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+50.000 -LREV- RT.)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+13.807 -LPB-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+59.308 -FLYLEREV-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (40+78.010 -L- LT)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (40+95.009 -L- RT)			
23,809	M3	UNDERCUT EXCAVATION			
1,000	MTN	CLASS IV SUBGRADE STABILIZATION			
12,256	M3	DRAINAGE DITCH EXCAVATION			
3,090	M	BERM DITCH CONSTRUCTION			
28,120	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT			
1,300	M2	BREAKING OF EXISTING ASPHALT PAVEMENT			
70.2	HR	PROOF ROLLING			
3,200	M3	SELECT GRANULAR MATERIAL			
3,200	M2	FABRIC FOR SOIL STABILIZATION			
74	M2	TEMPORARY SHORING			
500	MTN	SELECT MATERIAL, CLASS IV			
2,990	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
200.4	M	375MM SIDE DRAIN PIPE			
18	M	450MM SIDE DRAIN PIPE			
2,196	M	375MM RC PIPE CULVERTS, CLASS III			
2,014.8	M	450MM RC PIPE CULVERTS, CLASS III			
1,560	M	600MM RC PIPE CULVERTS, CLASS III			
870	M	750MM RC PIPE CULVERTS, CLASS III			
387.6	M	900MM RC PIPE CULVERTS, CLASS III			
556.8	M	1050MM RC PIPE CULVERTS, CLASS III			
123.6	M	1200MM RC PIPE CULVERTS, CLASS III			
225.6	M	1350MM RC PIPE CULVERTS, CLASS III			
117.6	M	1500MM RC PIPE CULVERTS, CLASS III			
52.8	M	***MM CS PIPE CULVERTS, ***** THICK (150MM, 1.63MM)			
57.6	M	400MM CS PIPE CULVERTS, 1.63MM THICK			
15.6	M	450MM CS PIPE CULVERTS, 1.63MM THICK			
21.6	M	600MM CS PIPE CULVERTS, 1.63MM THICK			
439.2	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK			

			30	EA	CABLE GUIDERAIL ANCHOR UNITS
			660	M	GENERIC GUARDRAIL ITEM REMOVE & RESET EXISTING CABLE GUIDERAIL
17,175	M2	CONCRETE SHOULDERS ADJACENT TO *****MM PAVEMENT (WITH DOWELS) (360MM)	260	M	GENERIC GUARDRAIL ITEM REMOVE EXISTING CABLE GUIDE-RAIL
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	18,250	M	WOVEN WIRE FENCE, 1200MM FABRIC
7,050	M3	SUBDRAIN EXCAVATION	2,860	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
3,335	M3	SUBDRAIN FINE AGGREGATE	840	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
8,000	M	150MM PERFORATED SUBDRAIN PIPE	450	M	ADDITIONAL BARBED WIRE
800	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	1,000	EA	GENERIC FENCING ITEM 100MM PLASTIC FENCE POSTS 2.30M LONG
53	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	1,010	MTN	PLAIN RIP RAP, CLASS I
106	M	150MM OUTLET PIPE (SUBDRAINS)	120	MTN	PLAIN RIP RAP, CLASS A
11,900	M	SHOULDER DRAIN	1,105	MTN	PLAIN RIP RAP, CLASS B
11,900	M	100MM SHOULDER DRAIN PIPE	120	MTN	BOULDERS
675	M	100MM OUTLET PIPE (SHOULDER DRAINS)	8,205	M2	FILTER FABRIC FOR DRAINAGE
66	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	26	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
35	MTN	BLOTTING SAND	20	M3	REINFORCED CONCRETE SIGN FOOTINGS
63	M3	ENDWALLS	3	M3	PLAIN CONCRETE SIGN FOOTINGS
22	M3	REINFORCED ENDWALLS	10,561	KG	SUPPORTS, BREAKAWAY STEEL BEAM
13	M3	PIPE COLLARS	1,106	KG	SUPPORTS, SIMPLE STEEL BEAM
2	M3	PIPE PLUGS	691	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
197	EA	MASONRY DRAINAGE STRUCTURES	16	EA	SUPPORTS, 3KG STEEL U-CHANNEL
8	M3	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY A @ STA 16+80 -I1Y1-)
31	M	MASONRY DRAINAGE STRUCTURES	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY B @ STA 35+00 -I1Y1-)
2	EA	FRAME WITH GRATE, STD 840.22	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY C @ STA 17+81.185 -FLYLWREV-)
2	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY D @ I-40/US-70 I-40 EBL)
46	EA	FRAME WITH TWO GRATES, STD 840.20	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY E @ I-40/US-70 I-40 EBL)
109	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY F @ I-40/US-70 I-40 EBL)
8	EA	FRAME WITH TWO GRATES, STD 840.29	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY G @ I-40/US-70 I-40 EBL)
22	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY H @ I-40/US-70 US-70 EBL)
1	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY I @ I-40/US-70 US-70 EBL)
2	EA	CONCRETE APRON FOR DROP INLETS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY J @ I-40/US-70 I-40 WBL)
2	EA	***MM SLUICE GATE (1050MM)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY K @ I-40/US-70 I-40 WBL)
4	EA	***MM SLUICE GATE (1150MM)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY L @ I-40/US-70 US-70 EBL)
2	EA	***MM SLUICE GATE (1330MM)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY M @ I-40/US-70 US-70 WBL)
3	EA	***MM SLUICE GATE (375MM)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY N @ I-40/US-70 US-70 EBL)
8	EA	***MM SLUICE GATE (550MM)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY O @ I-40/US-70 US-70 WBL)
4	EA	***MM SLUICE GATE (800MM)	14	EA	SIGN ERECTION, TYPE D
1	EA	***MM SLUICE GATE (900MM)	54	EA	SIGN ERECTION, TYPE E
4	EA	***MM SLUICE GATE (970MM)	25	EA	SIGN ERECTION, TYPE F
2,600	M	SHOULDER BERM GUTTER	2	EA	SIGN ERECTION, TYPE *** (OVER-HEAD) (A)
900	M	CONCRETE EXPRESSWAY GUTTER	24	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
160	M2	150MM CONCRETE DRIVEWAY	16	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
415	M2	100MM CONCRETE PAVED DITCH	16	EA	SIGN ERECTION, MILEMARKERS
103	M2	75MM CONCRETE ISLAND COVERS			
705	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)			
260	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED			
7	EA	IMPACT ATTENUATOR UNIT, TYPE 350			
5,669.28	M	STEEL BM GUARDRAIL			
21.868	M	STEEL BM GUARDRAIL, SHOP CURVED			
6	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS			
20	EA	ADDITIONAL GUARDRAIL POSTS			
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1			
34	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
28	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
69	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
4	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350			
10	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			
125	M	REMOVE & STOCKPILE EXISTING GUARDRAIL			
472.44	M	TEMPORARY STEEL BM GUARDRAIL			
4,600	M	DOUBLE FACED CABLE GUIDERAIL			

			2,055	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
			7,302	M	RESET PORTABLE CONCRETE BARRIER
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY A @ 16+80.00 - I1Y1-)	200	HR	POLICE
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY C @ 17+81.185 - FLYLWREV)	Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM SMART WORK ZONE SYSTEM
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY D @ I-40/US-70 EBL)	3,944	M	GENERIC TRAFFIC CONTROL ITEM DEPT FURNISHED MOVABLE CONCRETE BARRIER
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY E @ I-40/US-70 EBL)	1	EA	GENERIC TRAFFIC CONTROL ITEM ADDITIONAL PORTABLE SMART WORK ZONE VIDEO CAMERAS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY F @ I-40/US-70 I-40 EBL)	1	EA	GENERIC TRAFFIC CONTROL ITEM ADDITIONAL SMART WORK ZONE CHANGEABLE MESSAGE SIGN
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY G @ I-40/US-70 I-40 EBL)	1	EA	GENERIC TRAFFIC CONTROL ITEM ADDITIONAL SMART WORK ZONE SENSOR
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY H @ I-40/US-70 US-70EBL)	2	EA	GENERIC TRAFFIC CONTROL ITEM TRANSFER AND TRANSPORT VEHICLE FOR MOVABLE CONCRETE BARRIER
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY I @ I-40/US-70 US-70EBL)	1,159	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY J @ I-40/US-70 I-40 WBL)	10,532	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY K @ I-40/US-70 I-40 WBL)	7,603	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY L @ I-40/US-70 US-70EBL)	28,594	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY M @ I-40/US-70 US-70WBL)	3,376	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY N @ I-40/US-70 US-70EBL)	115	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY O @ I-40/US-70 US-70WBL)	1,816	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY P @ I-40/US-70 I-40 WBL)	148	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY Q @ I-40/US-70 US-70EBL)	16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY R @ I-40/US-70 US-70WBL)	52	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY S @ I-40/US-70 US-70EBL)	20,102	M	EPOXY PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY T @ I-40/US-70 US-70WBL)	1,054	M	EPOXY PAVEMENT MARKING LINES (300MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY U @ I-40/US-70 US-70WBL)	20	EA	EPOXY PAVEMENT MARKING SYMBOL
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY V @ I-40/US-70 US-70EBL)	58,946	M	PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY W @ I-40/US-70 US-70WBL)	129,250	M	PAINT PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY X @ 35+00 - I1Y1-)	24	M	PAINT PAVEMENT MARKING LINES (200MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY Y @ I-40/US-70 US-70EBL)	384	M	PAINT PAVEMENT MARKING LINES (600MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY Z @ I-40/US-70 US-70WBL)	32	EA	PAINT PAVEMENT MARKING CHARACTER
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY AA @ I-40/US-70 US-70EBL)	114	EA	PAINT PAVEMENT MARKING SYMBOL
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY AB @ I-40/US-70 US-70WBL)	1,200	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
4	EA	RELOCATE SIGN, TYPE ***** (A)	35,676	M	REMOVAL OF PAVEMENT MARKING LINES (150MM)
2	EA	RELOCATE SIGN, TYPE ***** (D)	1,044	EA	PERMANENT RAISED PAVEMENT MARKERS
1	EA	RELOCATE SIGN, TYPE ***** (E)	516	EA	SNOWPLOWABLE PAVEMENT MARKERS
3	EA	DISPOSAL OF SUPPORT, STEEL BEAM	9	EA	2.1M U-CHANNEL POSTS
1	EA	DISPOSAL OF SUPPORT, WOOD	128	EA	FLEXIBLE DELINEATORS (CRYSTAL)
10	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD	73	EA	FLEXIBLE DELINEATORS (YELLOW)
12	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	10	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
22	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	10	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
1	EA	DISPOSAL OF SIGN SYSTEM, WOOD	9	EA	OBJECT MARKERS (END OF ROAD)
3	EA	DISPOSAL OF SUPPORT, U-CHANNEL	213	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
2	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	213	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)
97	M2	WORK ZONE SIGNS (STATIONARY)	30	MTN	PAVEMENT REPAIR FOR UTILITY WORK
52	M2	WORK ZONE SIGNS (PORTABLE)	19	M	150MM DI WATER PIPE, PC 2.41MPA
11	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	81	M	200MM DI WATER PIPE, PC 2.41MPA
2	EA	FLASHING ARROW PANELS, TYPE C	123	M	300MM DI WATER PIPE, PC 2.41MPA
4	EA	CHANGEABLE MESSAGE SIGNS	486	M	400MM DI WATER PIPE, PC ***MPA (PC 1.72MPA)
500	EA	DRUMS	114	M	200MM PVC WATER PIPE, SDR 21, 1.38MPA WP
100	EA	CONES	268	M	300MM PVC WATER PIPE, SDR 21, 1.38MPA WP
118	M	BARRICADES (TYPE III)	1,302	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP
1,080	HR	FLAGGER			
4	EA	TEMPORARY CRASH CUSHIONS			
6	EA	RESET TEMPORARY CRASH CUSHIONS			
4	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)			
6,166	M	PORTABLE CONCRETE BARRIER			

1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (400MM X 150MM, 1.38MPA WP)
1	EA	***MM AIR RELEASE VALVE & MANHOLE (50MM, SEWER)
1	EA	***MM AIR RELEASE VALVE & MANHOLE (50MM, WATER)
3	EA	RELOCATE EXISTING FIRE HYDRANT
385	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (200MM, SDR 21, 1.38MPA WP)
20	M	250MM DI SEWER PIPE, PC 2.41MPA
40	M	***MM DI FORCE MAIN SEWER PIPE PC ****MPA (150MM, 2.41MPA)
103	M	***MM DI FORCE MAIN SEWER PIPE PC ****MPA (200MM, PC 2.41MPA)
223	KG	DUCTILE IRON SEWER PIPE FITTINGS, 1.72MPA MIN WP
2	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH
5	M	PRECAST CONC MANHOLE WALL, ****MM DIA, OVER 1.8M HT (1200MM)
477	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, PVC FORCE MAIN SEWER)
345	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC WATER)
468	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)
4	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE
185	M	***MM STEEL ENCASEMENT PIPE, ****MM THICK, BY OPEN CUT (600MM, 6.35MM)
1	EA	GENERIC UTILITY ITEM REMOVE EXISTING FIRE HYDRANT
14,730	M	TEMPORARY SILT FENCE
1,725	MTN	STONE FOR EROSION CONTROL, CLASS A
15,235	MTN	STONE FOR EROSION CONTROL, CLASS B
8,600	MTN	SEDIMENT CONTROL STONE
118.5	HA	TEMPORARY MULCHING
5,550	KG	SEED FOR TEMPORARY SEEDING
44.75	MTN	FERTILIZER FOR TEMPORARY SEEDING
710	M	TEMPORARY SLOPE DRAINS
53	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
13,045	M	SAFETY FENCE
425,920	M3	SILT EXCAVATION
250,400	M2	MATTING FOR EROSION CONTROL
1,450	M2	COIR FIBER MAT
85	M2	PERMANENT SOIL REINFORCEMENT MAT
2,100	M	6.4MM HARDWARE CLOTH
135	M3	STILLING BASINS
8	EA	SPECIAL STILLING BASINS
132	HA	SEEDING & MULCHING
66	HA	MOWING
1,450	KG	SEED FOR REPAIR SEEDING
5	MTN	FERTILIZER FOR REPAIR SEEDING
3,725	KG	SEED FOR SUPPLEMENTAL SEEDING
221	MTN	FERTILIZER TOPDRESSING
120	M	IMPERVIOUS DIKE
89	HR	SPECIALIZED HAND MOWING
56	EA	RESPONSE FOR EROSION CONTROL
654	M3	CULVERT DIVERSION CHANNEL
4.5	HA	REFORESTATION
0.13	HA	STREAMBANK REFORESTATION
16	EA	GENERIC EROSION CONTROL ITEM FAIRCLOTH SKIMMER
30	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR RESEARCH
610	M	SIGNAL CABLE
19	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
5	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
746	M	MESSENGER CABLE (6.35MM)
225	M	MESSENGER CABLE (9.52MM)
105	M	TRACER WIRE
813	M	TRENCHING (UNPAVED)

363	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ****MM (** CONDUIT) (50MM, 1)
29	EA	JUNCTION BOX (STANDARD SIZE)
6	EA	JUNCTION BOX (OVER-SIZED)
8	EA	WOOD POLE
10	EA	GUY ASSEMBLY
3	EA	25MM RISER WITH WEATHERHEAD
4	EA	50MM RISER WITH WEATHERHEAD
3	EA	50MM RISER WITH HEAT SHRINK TUBING
734	M	INDUCTIVE LOOP SAWCUT
1,915	M	LEAD-IN CABLE
3	EA	MICROWAVE VEHICLE DETECTOR
958	M	COMMUNICATIONS CABLE (**FIBER) (12)
3	EA	INTERCONNECT CENTER
6	EA	DELINEATOR MARKER
1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
3	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
3	EA	DOUBLE MAST ARM WITH METAL POLE
6	EA	SOIL TEST
30	M	DRILLED PIER FOUNDATION (***MM DIA) (1066MM)
6	EA	MAST ARM WITH METAL POLE DESIGN
12	EA	SIGN FOR SIGNALS
3	EA	SIGNAL CABINET FOUNDATION
3	EA	CABINET BASE ADAPTER
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
25	EA	DETECTOR CARD (TYPE 2070L)
3	EA	GENERIC SIGNAL ITEM FIBER OPTIC TRANSCEIVER SELF HEALING RING
65	M	GENERIC SIGNAL ITEM UNDERGROUND POLY CONDUIT, 50MM (1 CONDUIT)

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (37+11.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (57 + 17.000 -L-)
489	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
666.2	M3	CLASS A CONCRETE (CULVERT)
54,658	KG	REINFORCING STEEL (CULVERT)
70	MTN	PLAIN RIP RAP CLASS B

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (40+80.000 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+25.877 -1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,19+25.877 -1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 52+34.693 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,19+25.877 -1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,27+51.601-1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,27+61.028 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,28+31.359-1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,19+25.877 -1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,27+51.601-1Y1-)

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,28+31.359-11Y1-)	Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (40+80.000 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,27+51.601-11Y1-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,28+31.359-11Y1-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,28+31.359-11Y1-)			
337.2	M	1066MM DIA DRILLED PIERS IN SOIL			
48.5	M	1066MM DIA DRILLED PIERS NOT IN SOIL			
57.5	M	PERMANENT STEEL CASING FOR 1066MM DRILLED PIER			
6	EA	SID INSPECTION			
18	EA	SPT TESTING			
6	EA	CROSSHOLE SONIC LOGGING			
1,646	M	CSL TUBES			
20,477.4	M2	REINFORCED CONCRETE DECK SLAB			
19,066.6	M2	GROOVING BRIDGE FLOORS			
3,341	M3	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+38.000-LREV-LT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+38.000-LREV-RT)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+25.877 -11Y1-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (27+51.601-11Y1-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (27+61.028 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+31.359-11Y1-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (40+80.000 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (40+96.000 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+34.693 -L-)			
322,894	KG	REINFORCING STEEL (BRIDGE)			
298	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)			
23,332	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
2,395.3	M	1372MM PRESTRESSED CONCRETE GIRDERS			
1,453.952	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS			
1,881,960	LS	APPROX KG STRUCTURAL STEEL			
8,401.9	M	HP310X79 STEEL PILES			
1,499	M	HP360X108 STEEL PILES			
Lump Sum	LS	GALVANIZING STEEL PILES AT STA ***** (40+80.000 -L-)			
Lump Sum	LS	GALVANIZING STEEL PILES AT STA ***** (40+96.000 -L-)			
3,244.586	M	CONCRETE BARRIER RAIL			
1,775	M2	100MM SLOPE PROTECTION			
1,120	MTN	PLAIN RIP RAP, CLASS ** (I)			
1,815	MTN	PLAIN RIP RAP CLASS II (600MM THICK)			
2,995	M2	FILTER FABRIC FOR DRAINAGE			
Lump Sum	LS	POT BEARINGS			
Lump Sum	LS	ELASTOMERIC BEARINGS			
Lump Sum	LS	EVAZOTE JOINT SEALS			
Lump Sum	LS	EXPANSION JOINT SEALS			
Lump Sum	LS	MODULAR EXPANSION JOINT SEALS			
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM, STA ***** (40+80.000 -L-)			
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (19+25.877 -11Y1-)			
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (28+31.359-11Y1-)			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L050517 008

CONTRACT ID : C201209 34459.3.5

DIV OFFICE WILSON

LENGTH = 10.055 KM

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS & STRUCTURES.

MBE GOAL 8.0% WBE 7.0% COMPLETION DATE : JUN 15 2009

US-70 BYPASS (CLAYTON BYPASS) FROM EAST OF NC-42 TO US-70.

ROADWAY ITEMS						
			2,210.4	M	600MM RC PIPE CULVERTS, CLASS III	
			1,414.8	M	750MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	MOBILIZATION				
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	768	M	900MM RC PIPE CULVERTS, CLASS III	
2.8	HA	SUPPLEMENTARY CLEARING & GRUBBING	271.2	M	1050MM RC PIPE CULVERTS, CLASS III	
17	EA	SEALING ABANDONED WELLS	216	M	1200MM RC PIPE CULVERTS, CLASS III	
1,995,000	M3	UNCLASSIFIED EXCAVATION	100.8	M	1350MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (109+56 -L2- LT)	124.8	M	1500MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (110+37 -L2- RT)	97.2	M	1650MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (121+97.067 -L2- LT)	15.6	M	1800MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (122+10 -L2- RT)	223.2	M	****MM RC PIPE CULVERTS, CLASS IV (1050MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+25.470 -Y7-)	120	M	****MM RC PIPE CULVERTS, CLASS IV (1200MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+72.000 -Y11- REV)	78	M	****MM RC PIPE CULVERTS, CLASS IV (1350MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+92.415 -Y4- RT)	140.4	M	****MM RC PIPE CULVERTS, CLASS IV (1500MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+07.107 -Y4- LT)	57.6	M	****MM RC PIPE CULVERTS, CLASS IV (450MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (78+40.150 -L- LT)	176.4	M	****MM RC PIPE CULVERTS, CLASS IV (600MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (78+40.150 -L- RT)	68.4	M	****MM RC PIPE CULVERTS, CLASS IV (750MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (9+29.615 FLYOVER)	88.5	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (97+46.928 -L- LT)	33.6	M	400MM CS PIPE CULVERTS, 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (97+46.928 -L- RT)	67.2	M	450MM CS PIPE CULVERTS, 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (97+46.928 -L- RT)	712.8	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (400MM, 1.63MM)	
62,800	M3	UNDERCUT EXCAVATION	28.8	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (450MM, 1.63MM)	
1,500	MTN	CLASS IV SUBGRADE STABILIZATION				
556,000	M3	BORROW EXCAVATION	8.4	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (600MM, 1.63MM)	
4	EA	EMBANKMENT SETTLEMENT GAUGES				
61,900	M3	DRAINAGE DITCH EXCAVATION	51.6	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (800MM, 2.01MM)	
1,555	M	BERM DITCH CONSTRUCTION				
44,950	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	7.2	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (900MM, 2.01MM)	
8,800	M2	BREAKING OF EXISTING ASPHALT PAVEMENT				
110	HR	PROOF ROLLING	63	EA	****MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (400MM, 1.63MM)	
60,800	M3	SELECT GRANULAR MATERIAL				
16,900	M2	FABRIC FOR SOIL STABILIZATION	3	EA	****MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (450MM, 1.63MM)	
50	M2	TEMPORARY SHORING				
1,900	M2	GENERIC GRADING ITEM ROCK PLATTING	1	EA	****MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (600MM, 1.63MM)	
100	MTN	GENERIC GRADING ITEM DISPOSAL OF CONTAMINATED SOIL				
11,955	MTN	SELECT MATERIAL, CLASS II	1	EA	****MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (900MM, 2.01MM)	
4,470	MTN	SELECT MATERIAL, CLASS III				
4,450	MTN	SELECT MATERIAL, CLASS IV				
4,135	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	256.8	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
207.6	M	375MM SIDE DRAIN PIPE	94.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
42	M	450MM SIDE DRAIN PIPE				
7.2	M	600MM SIDE DRAIN PIPE	19	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
3,815.6	M	375MM RC PIPE CULVERTS, CLASS III	8	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
1,495.2	M	450MM RC PIPE CULVERTS, CLASS III	1	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	

				2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
52.8	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1650MM, 22MM)		2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
54	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (375MM, 7MM)		2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
15.6	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (450MM, 8MM)		6	EA	FRAME WITH COVER, STD 840.54
				1	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
51.6	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (600MM, 13MM)		805	M	750MM CONCRETE CURB & GUTTER
				1,970	M	SHOULDER BERM GUTTER
				350	M	***MM CONCRETE GUTTER (200MM X 300MM)
				7	EA	MODIFIED CONCRETE FLUME
1,884.4	M	PIPE REMOVAL		3,230	M	CONCRETE EXPRESSWAY GUTTER
410	M2	150MM SLOPE PROTECTION		30	M2	150MM CONCRETE DRIVEWAY
150	M2	GENERIC GRADING ITEM 100MM MEDIAN SLOPE PROTECTION		225	M2	100MM CONCRETE PAVED DITCH
Lump Sum	LS	FINE GRADING		150	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
109,000	M2	LIME TREATED SOIL (SLURRY METHOD)		50	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1,240	MTN	LIME FOR LIME TREATED SOIL		345	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
2.7	MTN	#57 STONE		6	EA	ADJUSTMENT OF DROP INLETS
1,000	MTN	STABILIZER AGGREGATE		1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
275,200	MTN	AGGREGATE BASE COURSE		4	EA	IMPACT ATTENUATOR UNIT, TYPE 350
167,700	M2	***MM SOIL CEMENT BASE (180MM)		14,317.98	M	STEEL BM GUARDRAIL
5,050	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE		104.61	M	STEEL BM GUARDRAIL, SHOP CURVED
440	MTN	AGGREGATE FOR SOIL CEMENT BASE		16	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
188,100	L	ASPHALT CURING SEAL		20	EA	ADDITIONAL GUARDRAIL POSTS
400	MTN	INCIDENTAL STONE BASE		5	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
149,000	L	PRIME COAT		31	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
80	M2	INCIDENTAL MILLING		44	EA	GUARDRAIL ANCHOR UNITS, TYPE III
1,010	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B		56	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
53,750	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C		15	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
5,600	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B		8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
71,900	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		6,335	M	DOUBLE FACED CABLE GUIDERAIL
9,025	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B		22	EA	CABLE GUIDERAIL ANCHOR UNITS
23,170	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		20,900	M	WOVEN WIRE FENCE, 1200MM FABRIC
3,500	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A		4,245	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
59,500	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C		1,230	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
6,728	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22		15	M	CHAIN LINK FENCE, *****MM FABRIC (1800MM)
4,740	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22		1,070	M	CHAIN LINK FENCE, 1200MM FABRIC
770	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR		3	EA	METAL LINE POSTS FOR *****MM CHAIN LINK FENCE (1800MM)
39,825	M	MILLED RUMBLE STRIPS		295	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE
9,700	M3	SUBDRAIN EXCAVATION		2	EA	METAL TERMINAL POSTS FOR *****MM CHAIN LINK FENCE (1800MM)
4,850	M3	SUBDRAIN FINE AGGREGATE		22	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE
11,700	M	150MM PERFORATED SUBDRAIN PIPE		700	M	ADDITIONAL BARBED WIRE
1,170	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS		2,835	MTN	PLAIN RIP RAP, CLASS I
106	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET		115	MTN	PLAIN RIP RAP, CLASS II
156	M	150MM OUTLET PIPE (SUBDRAINS)		10	MTN	PLAIN RIP RAP, CLASS A
7,840	M	SHOULDER DRAIN		3,300	MTN	PLAIN RIP RAP, CLASS B
7,840	M	100MM SHOULDER DRAIN PIPE		170	MTN	BOULDERS
780	M	100MM OUTLET PIPE (SHOULDER DRAINS)		22,805	M2	FILTER FABRIC FOR DRAINAGE
63	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET		21	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
40	MTN	BLOTTING SAND		19	M3	REINFORCED CONCRETE SIGN FOOTINGS
45.3	M3	ENDWALLS		3	M3	PLAIN CONCRETE SIGN FOOTINGS
35.1	M3	REINFORCED ENDWALLS		5,919	KG	SUPPORTS, BREAKAWAY STEEL BEAM
11.2	M3	PIPE COLLARS		4,053	KG	SUPPORTS, SIMPLE STEEL BEAM
1	M3	PIPE PLUGS		1,359	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
278	EA	MASONRY DRAINAGE STRUCTURES		24	EA	SUPPORTS, 3KG STEEL U-CHANNEL
33,907	M	MASONRY DRAINAGE STRUCTURES		Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA *****
11	EA	FRAME WITH GRATE, STD 840.22				(ASSY "A" @ STA. 118+50)
2	EA	FRAME WITH TWO GRATES, STD 840.16		Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA *****
59	EA	FRAME WITH TWO GRATES, STD 840.20				(ASSY "B" @ STA. 134+80)
187	EA	FRAME WITH TWO GRATES, STD 840.22				
8	EA	FRAME WITH TWO GRATES, STD 840.24				
4	EA	FRAME WITH TWO GRATES, STD 840.29				

				80	EA	PAINT PAVEMENT MARKING CHARACTER	
				180	EA	PAINT PAVEMENT MARKING SYMBOL	
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "C" @ STA. 142+80)		1,500	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "D" @ STA. 150+80)		2,300	EA	PERMANENT RAISED PAVEMENT MARKERS	
	18	EA	SIGN ERECTION, TYPE D		18	EA	2.1M U-CHANNEL POSTS
	152	EA	SIGN ERECTION, TYPE E		90	EA	FLEXIBLE DELINEATORS (CRYSTAL)
	43	EA	SIGN ERECTION, TYPE F		65	EA	FLEXIBLE DELINEATORS (YELLOW)
	17	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)		35	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
					35	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
	24	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)		18	EA	OBJECT MARKERS (END OF ROAD)
					954	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
	24	EA	SIGN ERECTION, MILEMARKERS		954	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)
Lump Sum	LS	LRs LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "D" @ STA. 150+80)		50	MTN	PAVEMENT REPAIR FOR UTILITY WORK	
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "A" @ STA. 118+50)		1,390	M	***MM DI WATER PIPE, PC ***MPA (500MM, 1.72MPA)	
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "B" @ STA. 134+80)		41	M	100MM DI WATER PIPE, PC 2.41MPA	
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "C" @ STA. 142+80)		114	M	150MM DI WATER PIPE, PC 2.41MPA	
				338	M	200MM DI WATER PIPE, PC 2.41MPA	
				4	M	300MM DI WATER PIPE, PC 2.41MPA	
				1,206	M	400MM DI WATER PIPE, PC ***MPA (PC 1.72MPA)	
	1	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD		115	M	100MM PVC WATER PIPE, SDR 21, 1.38MPA WP
	2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1,673.44	M	200MM PVC WATER PIPE, SDR 21, 1.38MPA WP	
	41	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	13,852	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	
	50	EA	DISPOSAL OF SIGN SYSTEM, WOOD		34	M	20MM PE WATER TUBING, SDR 9, ***MPA WP (1.38MPA WP)
	1	EA	GENERIC SIGNING ITEM SIGN ERECTION, MESSENGER CABLE		3	EA	20MM CORPORATION STOP
	90	M2	WORK ZONE SIGNS (STATIONARY)		1	EA	***MM GATE VALVE & VALVE BOX, ***MPA WP (100MM, 1.38MPA WP)
	50	M2	WORK ZONE SIGNS (PORTABLE)		8	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
	25	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)		4	EA	200MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA WP)
	6	EA	FLASHING ARROW PANELS, TYPE C		5	EA	300MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA WP)
	2	EA	CHANGEABLE MESSAGE SIGNS		3	EA	***MM BUTTERFLY VALVE & VALVE BOX (400MM)
	6	EA	WARNING FLAG SETS		4	EA	***MM BUTTERFLY VALVE & VALVE BOX (500MM)
	90	EA	DRUMS		1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ***MPA WP (200MM X 200MM, 1.38MPA WP)
	30	EA	CONES		2	EA	*** X ***MM TAPPING SADDLE (200MM X 20MM)
	60	M	BARRICADES (TYPE III)		1	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)
2,880	HR	FLAGGER			2	EA	***MM AIR RELEASE VALVE & MANHOLE (50MM, WATER)
	8	EA	WARNING LIGHTS (TYPE B)		2	EA	50MM BLOW OFF ASSEMBLY
	11	EA	TEMPORARY CRASH CUSHIONS		3	EA	RELOCATE EXISTING WATER METER
	1	EA	RESET TEMPORARY CRASH CUSHIONS		3	EA	REMOVE EXISTING WATER METER
	2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)		10	EA	RELOCATE EXISTING FIRE HYDRANT
	2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)		128	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (300MM, SDR 21, 1.38MPA WP)
	900	M	PORTABLE CONCRETE BARRIER		813	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (400MM, SDR 21, 1.38MPA WP)
	350	M	PORTABLE CONCRETE BARRIER (DRAINAGE)		120	M	***MM DI FORCE MAIN SEWER PIPE PC ***MPA (400MM, PC 2.41MPA)
	570	M	RESET PORTABLE CONCRETE BARRIER		2,609	KG	DUCTILE IRON SEWER PIPE FITTINGS, 1.72MPA MIN WP
	240	HR	POLICE		71	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (DI WATER)
	700	EA	TEMPORARY RAISED PAVEMENT MARKERS		1,240	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC FORCE MAIN SEWER)
26,200	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)			2,744	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)
10,060	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)					
41,000	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)					
7,500	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)					
380	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)					
2,000	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)					
60	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)					
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)					
130	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)					
173,000	M	PAINT PAVEMENT MARKING LINES (100MM)					
1,600	M	PAINT PAVEMENT MARKING LINES (200MM)					
140	M	PAINT PAVEMENT MARKING LINES (600MM)					

6	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE
233	M	***MM STEEL ENCASEMENT PIPE, ****MM THICK, BY OPEN CUT (400MM, 6.35MM)
33	M	***MM STEEL ENCASEMENT PIPE, ****MM THICK, BY TRENCHLESS METHOD (1050MM, 7.92MM)
38	M	***MM STEEL ENCASEMENT PIPE, ****MM THICK, BY TRENCHLESS METHOD (400MM, 6.35MM)
2	EA	GENERIC UTILITY ITEM REMOVE EXISTING FIRE HYDRANT
599	M	GENERIC UTILITY ITEM 250MM HDPE WATER PIPE, DR9, 1.38MPA WP, BY TRENCHLESS METHOD
132	M	GENERIC UTILITY ITEM 500MM DI RESTRAINED JOINT WATER PIPE, PC 2.41MPA, BY TRENCHLESS METHOD
337	M	GENERIC UTILITY ITEM 500MM HDPE WATER PIPE, DR9, 1.38MPA WP, BY TRENCHLESS METHOD
19,500	M	TEMPORARY SILT FENCE
1,660	MTN	STONE FOR EROSION CONTROL, CLASS A
25,720	MTN	STONE FOR EROSION CONTROL, CLASS B
16,815	MTN	SEDIMENT CONTROL STONE
129.5	HA	TEMPORARY MULCHING
7,375	KG	SEED FOR TEMPORARY SEEDING
59.25	MTN	FERTILIZER FOR TEMPORARY SEEDING
1,450	M	TEMPORARY SLOPE DRAINS
107	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
8,500	M	SAFETY FENCE
619,005	M3	SILT EXCAVATION
325,010	M2	MATting FOR EROSION CONTROL
3,500	M2	COIR FIBER MAT
850	M2	PERMANENT SOIL REINFORCEMENT MAT
4,270	M	6.4MM HARDWARE CLOTH
15	M	***MM TEMPORARY PIPE (450MM)
30	M	***MM TEMPORARY PIPE (600MM)
1,225	M3	STILLING BASINS
12	EA	SPECIAL STILLING BASINS
175.5	HA	SEEDING & MULCHING
70.5	HA	MOWING
1,525	KG	SEED FOR REPAIR SEEDING
5.25	MTN	FERTILIZER FOR REPAIR SEEDING
4,925	KG	SEED FOR SUPPLEMENTAL SEEDING
294	MTN	FERTILIZER TOPDRESSING
426	M	IMPERVIOUS DIKE
103	HR	SPECIALIZED HAND MOWING
64	EA	RESPONSE FOR EROSION CONTROL
2,460	M3	CULVERT DIVERSION CHANNEL
3	HA	REFORESTATION
0.4	HA	STREAMBANK REFORESTATION
44	EA	GENERIC EROSION CONTROL ITEM FAIRCLOTH SKIMMER
30	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR RESEARCH
405	M	SIGNAL CABLE
11	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
1	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
513	M	TRENCHING (UNPAVED)
213	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ****MM (** CONDUIT) (55MM, 1)
18	EA	JUNCTION BOX (STANDARD SIZE)
343	M	INDUCTIVE LOOP SAWCUT
930	M	LEAD-IN CABLE
2	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
2	EA	DOUBLE MAST ARM WITH METAL POLE
4	EA	SOIL TEST
20	M	DRILLED PIER FOUNDATION (***MM DIA) (1066MM)

4	EA	MAST ARM WITH METAL POLE DESIGN
13	EA	SIGN FOR SIGNALS
2	EA	SIGNAL CABINET FOUNDATION
2	EA	CABINET BASE ADAPTER
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
15	EA	DETECTOR CARD (TYPE 2070L)

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+48.770 -Y11- REV.)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+01.500 -L2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+31.000 -L2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (154+38.598 -L2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (24+48.770 -Y11- REV.)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (25+01.770 -Y11- REV.)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (4+93.000 -LOOP C-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (7+93.000 -RAMP C-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (84 + 17.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (92 + 23.500 -L-)
1,198	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
1,549.3	M3	CLASS A CONCRETE (CULVERT)
148,312	KG	REINFORCING STEEL (CULVERT)

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+72.000 -Y11-REV)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (148+08.446-L2-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,148+08.446-L2-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,148+08.446-L2-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,16+52.599 -Y4-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,65+51.880 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,97+46.378 -L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,97+59.319 -L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,97+46.378 -L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,97+59.319 -L-LT)
6	M	PILE EXCAVATION IN SOIL
6	M	PILE EXCAVATION NOT IN SOIL
138.8	M	1066MM DIA DRILLED PIERS IN SOIL
78.6	M	1220MM DIA DRILLED PIERS IN SOIL
35	M	1066MM DIA DRILLED PIERS NOT IN SOIL
43.8	M	1220MM DIA DRILLED PIERS NOT IN SOIL
10.9	M	PERMANENT STEEL CASING FOR 1066MM DRILLED PIER
33	M	PERMANENT STEEL CASING FOR 1220MM DRILLED PIER
5	EA	SID INSPECTION
9	EA	SPT TESTING
5	EA	CROSSHOLE SONIC LOGGING
1,278	M	CSL TUBES
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (148+08.446-L2-LT)

11,774.8	M2	REINFORCED CONCRETE DECK SLAB
11,845.2	M2	GROOVING BRIDGE FLOORS
159.1	M3	CLASS AA CONCRETE (BRIDGE)
1,693.2	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (109+56.000-L2LT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (110+37.000-L2RT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (121+97.157-L2LT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (122+14.832-L2RT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+72.000 -Y11-REV)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (148+08.446-L2-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (148+08.446-L2-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+52.599 -Y4-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (65+51.880 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (78+35.547 -L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (78+35.547 -L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (97+46.378 -L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (97+59.319 -L-LT)
203,637	KG	REINFORCING STEEL (BRIDGE)
928	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
21,937	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
220.08	M	1143MM PRESTRESSED CONCRETE GIRDERS
1,270.066	M	1372MM PRESTRESSED CONCRETE GIRDERS
275.26	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
387.296	M	MODIFIED 1829MM PRESTRESSED CONC GIRDERS
933,504	LS	APPROX KG STRUCTURAL STEEL
6,185	M	HP310X79 STEEL PILES
36	EA	STEEL PILE POINTS
1,809.444	M	CONCRETE BARRIER RAIL
6,588.2	M2	100MM SLOPE PROTECTION
3,215	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
3,224	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L050517 009

CONTRACT ID : C201466 34459.3.4

DIV OFFICE WILSON

LENGTH = 17.243 KM

COUNTY : JOHNSTON, WAKE

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

MBE GOAL 8.0% WBE 7.0% COMPLETION DATE : JUN 15 2009

US-70 BYPASS (CLAYTON BYPASS) FROM I-40 TO US-70, WEST OF SR-1560.

ROADWAY ITEMS					
			180.2	HR	PROOF ROLLING
			64,000	M3	SELECT GRANULAR MATERIAL
			20,100	M2	FABRIC FOR SOIL STABILIZATION
			124	M2	TEMPORARY SHORING
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	1,900	M2	GENERIC GRADING ITEM ROCK PLATTING
5.6	HA	SUPPLEMENTARY CLEARING & GRUBBING	100	MTN	GENERIC GRADING ITEM DISPOSAL OF CONTAMINATED SOIL
25	EA	SEALING ABANDONED WELLS	11,955	MTN	SELECT MATERIAL, CLASS II
3,370,400	M3	UNCLASSIFIED EXCAVATION	4,470	MTN	SELECT MATERIAL, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (109+56 -L2- LT)	4,950	MTN	SELECT MATERIAL, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+64.125 -Y2-)	7,125	MTN	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+64.125 -Y2-)	408	M	375MM SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (110+37 -L2- RT)	60	M	450MM SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (110+37 -L2- RT)	7.2	M	600MM SIDE DRAIN PIPE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (121+97.067 -L2- LT)	6,011.6	M	375MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (121+97.067 -L2- LT)	3,510	M	450MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (122+10 -L2- RT)	3,770.4	M	600MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (122+10 -L2- RT)	2,284.8	M	750MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+25.470 -Y7-)	1,155.6	M	900MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+25.470 -Y7-)	828	M	1050MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+26.000 -LREV- LT)	339.6	M	1200MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+41.121 -Y4-)	326.4	M	1350MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+41.121 -Y4-)	242.4	M	1500MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+50.000 -LREV- RT.)	97.2	M	1650MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+50.000 -LREV- RT.)	15.6	M	1800MM RC PIPE CULVERTS, CLASS III
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+72.000 -Y11- REV)	223.2	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+13.807 -LPB-)	120	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+59.308 -FLYLEREV-)	78	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+92.415 -Y4- RT)	140.4	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (23+92.415 -Y4- RT)	140.4	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (24+07.107 -Y4- LT)	57.6	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (40+78.010 -L- LT)	176.4	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (40+95.009 -L- RT)	68.4	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (78+40.150 -L- LT)	88.5	M	****MM RC PIPE CULVERTS, CLASS IV
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (78+40.150 -L- RT)	52.8	M	****MM CS PIPE CULVERTS, ****MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (9+29.615 FLYOVER)	91.2	M	400MM CS PIPE CULVERTS, 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (97+46.928 -L- LT)	82.8	M	450MM CS PIPE CULVERTS, 1.63MM THICK
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (97+46.928 -L- RT)	21.6	M	600MM CS PIPE CULVERTS, 1.63MM THICK
86,609	M3	UNDERCUT EXCAVATION	712.8	M	****MM BIT COAT CS PIPE CUL- VERTS, TYPE A ****MM THICK
2,500	MTN	CLASS IV SUBGRADE STABILIZA- TION			(400MM, 1.63MM)
4	EA	EMBANKMENT SETTLEMENT GAUGES	28.8	M	****MM BIT COAT CS PIPE CUL- VERTS, TYPE A ****MM THICK
74,156	M3	DRAINAGE DITCH EXCAVATION			(450MM, 1.63MM)
4,645	M	BERM DITCH CONSTRUCTION	8.4	M	****MM BIT COAT CS PIPE CUL- VERTS, TYPE A ****MM THICK
73,070	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT			(600MM, 1.63MM)
10,100	M2	BREAKING OF EXISTING ASPHALT PAVEMENT			

			10,900	MTN	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	
			35	MTN	ASPHALT CONC SURFACE COURSE, TYPE S4.75A	
51.6	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (800MM, 2.01MM)	102,255	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C	
7.2	M	****MM BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (900MM, 2.01MM)	12,485	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
63	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (400MM, 1.63MM)	7,505	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
3	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (450MM, 1.63MM)	1,197	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR	
1	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (600MM, 1.63MM)	64,270	M	MILLED RUMBLE STRIPS	
1	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (900MM, 2.01MM)	32,325	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (360MM)	
696	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	1,150	M2	***MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (360MM)	
249.6	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	400	M2	GENERIC PAVING ITEM	
86.4	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	Lump Sum	LS	MILL EXISTING RUMBLE STRIP IN CONCRETE SHOULDER	
34.8	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	17,175	M2	SURFACE TESTING CONCRETE PAVEMENT	
21.6	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	Lump Sum	LS	CONCRETE SHOULDERS ADJACENT TO ****MM PAVEMENT (WITH DOWELS) (360MM)	
69.6	M	1000MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK	16,750	M3	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	
10.8	M	1650MM BIT COAT CS PIPE CULVERTS, TYPE B 3.51MM THICK	8,185	M3	SUBDRAIN EXCAVATION	
1	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (1000MM, 2.77MM)	19,700	M	SUBDRAIN FINE AGGREGATE	
2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (900MM, 2.01MM)	1,970	EA	150MM PERFORATED SUBDRAIN PIPE	
47	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	159	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	
20	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	262	M	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
6	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	19,740	M	150MM OUTLET PIPE (SUBDRAINS)	
52.8	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1650MM, 22MM)	19,740	M	SHOULDER DRAIN	
54	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (375MM, 7MM)	1,455	M	100MM SHOULDER DRAIN PIPE	
15.6	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (450MM, 8MM)	129	EA	100MM OUTLET PIPE (SHOULDER DRAINS)	
51.6	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (600MM, 13MM)	75	MTN	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	
2,393.4	M	PIPE REMOVAL	108.3	M3	BLOTTING SAND	
746	M2	150MM SLOPE PROTECTION	57.1	M3	ENDWALLS	
475	M2	GENERIC GRADING ITEM 100MM MEDIAN SLOPE PROTECTION	24.2	M3	REINFORCED ENDWALLS	
Lump Sum	LS	FINE GRADING	3	M3	PIPE COLLARS	
204,150	M2	LIME TREATED SOIL (SLURRY METHOD)	475	EA	PIPE PLUGS	
1,815	MTN	LIME FOR LIME TREATED SOIL	8	M3	MASONRY DRAINAGE STRUCTURES	
152.7	MTN	#57 STONE	64,907	M	MASONRY DRAINAGE STRUCTURES	
2,500	MTN	STABILIZER AGGREGATE	13	EA	MASONRY DRAINAGE STRUCTURES	
402,000	MTN	AGGREGATE BASE COURSE	4	EA	FRAME WITH GRATE, STD 840.22	
262,850	M2	***MM SOIL CEMENT BASE (180MM)	105	EA	FRAME WITH TWO GRATES, STD 840.16	
7,906	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	296	EA	FRAME WITH TWO GRATES, STD 840.20	
765	MTN	AGGREGATE FOR SOIL CEMENT BASE	8	EA	FRAME WITH TWO GRATES, STD 840.24	
317,512	L	ASPHALT CURING SEAL	12	EA	FRAME WITH TWO GRATES, STD 840.29	
3,800	MTN	INCIDENTAL STONE BASE	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	
150,200	M3	SHOULDER BORROW	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	
174,000	L	PRIME COAT	2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	
405	M2	INCIDENTAL MILLING	28	EA	FRAME WITH COVER, STD 840.54	
17,010	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	2	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	
103,660	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	2	EA	CONCRETE APRON FOR DROP INLETS	
6,980	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	2	EA	***MM SLUICE GATE (1050MM)	
120,515	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	4	EA	***MM SLUICE GATE (1150MM)	
10,450	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2	EA	***MM SLUICE GATE (1330MM)	
29,995	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	3	EA	***MM SLUICE GATE (375MM)	
			8	EA	***MM SLUICE GATE (550MM)	
			4	EA	***MM SLUICE GATE (800MM)	
			1	EA	***MM SLUICE GATE (900MM)	
			4	EA	***MM SLUICE GATE (970MM)	
			805	M	750MM CONCRETE CURB & GUTTER	
			4,570	M	SHOULDER BERM GUTTER	

			Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "B" @ STA. 134+80)
350	M	***MM CONCRETE GUTTER (200MM X 300MM)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "C" @ STA. 142+80)
7	EA	MODIFIED CONCRETE FLUME	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "D" @ STA. 150+80)
4,130	M	CONCRETE EXPRESSWAY GUTTER	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY A @ STA 16+80 -I1Y1-)
190	M2	150MM CONCRETE DRIVEWAY	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY B @ STA 35+00 -I1Y1-)
640	M2	100MM CONCRETE PAVED DITCH	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY C @ STA 17+81.185 -FLYLWREV-)
103	M2	75MM CONCRETE ISLAND COVERS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY D @ I-40/US-70 I-40 EBL)
855	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY E @ I-40/US-70 I-40 EBL)
50	M2	125MM MONOLITHIC CONCRETE IS- LANDS (KEYED IN)	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY F @ I-40/US-70 I-40 EBL)
605	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY G @ I-40/US-70 I-40 EBL)
6	EA	ADJUSTMENT OF DROP INLETS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY H @ I-40/US-70 US-70 EBL)
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY I @ I-40/US-70 US-70 EBL)
11	EA	IMPACT ATTENUATOR UNIT, TYPE 350	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY J @ I-40/US-70 I-40 WBL)
19,987.26	M	STEEL BM GUARDRAIL	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY K @ I-40/US-70 I-40 WBL)
126.478	M	STEEL BM GUARDRAIL, SHOP CURVED	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY L @ I-40/US-70 US-70 EBL)
22	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY M @ I-40/US-70 US-70 WBL)
40	EA	ADDITIONAL GUARDRAIL POSTS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY N @ I-40/US-70 US-70 EBL)
6	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY O @ I-40/US-70 US-70 WBL)
65	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY P @ I-40/US-70 US-70 WBL)
72	EA	GUARDRAIL ANCHOR UNITS, TYPE III	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY Q @ I-40/US-70 US-70 WBL)
125	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY R @ I-40/US-70 US-70 WBL)
19	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY S @ I-40/US-70 US-70 WBL)
18	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY T @ I-40/US-70 US-70 WBL)
125	M	REMOVE & STOCKPILE EXISTING GUARDRAIL	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY U @ I-40/US-70 US-70 WBL)
472.44	M	TEMPORARY STEEL BM GUARDRAIL	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY V @ I-40/US-70 US-70 WBL)
10,935	M	DOUBLE FACED CABLE GUIDERAIL	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY W @ I-40/US-70 US-70 WBL)
52	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY X @ I-40/US-70 US-70 WBL)
660	M	GENERIC GUARDRAIL ITEM REMOVE & RESET EXISTING CABLE GUIDERAIL	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY Y @ I-40/US-70 US-70 WBL)
260	M	GENERIC GUARDRAIL ITEM REMOVE EXISTING CABLE GUIDE- RAIL	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY Z @ I-40/US-70 US-70 WBL)
39,150	M	WOVEN WIRE FENCE, 1200MM FAB- RIC	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY AA @ I-40/US-70 US-70 WBL)
7,105	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY AB @ I-40/US-70 US-70 WBL)
2,070	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY AC @ I-40/US-70 US-70 WBL)
15	M	CHAIN LINK FENCE, ****MM FABRIC (1800MM)	32	EA	SIGN ERECTION, TYPE D
1,070	M	CHAIN LINK FENCE, 1200MM FABRIC	206	EA	SIGN ERECTION, TYPE E
3	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (1800MM)	68	EA	SIGN ERECTION, TYPE F
295	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE	2	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (A)
2	EA	METAL TERMINAL POSTS FOR ****MM CHAIN LINK FENCE (1800MM)	41	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
22	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE	40	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
1,150	M	ADDITIONAL BARBED WIRE	40	EA	SIGN ERECTION, MILEMARKERS
1,000	EA	GENERIC FENCING ITEM 100MM PLASTIC FENCE POSTS 2.30M LONG	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY "D" @ STA. 150+80)
3,845	MTN	PLAIN RIP RAP, CLASS I	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY A @ 16+80.00 - I1Y1-)
115	MTN	PLAIN RIP RAP, CLASS II	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY C @ 17+81.185 -FLYLWREV)
130	MTN	PLAIN RIP RAP, CLASS A	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY D @ I-40/US-70 EBL)
4,405	MTN	PLAIN RIP RAP, CLASS B	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY E @ I-40/US-70 EBL)
290	MTN	BOULDERS	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY F @ I-40/US-70 I-40 EBL)
31,010	M2	FILTER FABRIC FOR DRAINAGE	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY G @ I-40/US-70 EBL)
47	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY H @ I-40/US-70 EBL)
39	M3	REINFORCED CONCRETE SIGN FOOT- INGS	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY I @ I-40/US-70 EBL)
6	M3	PLAIN CONCRETE SIGN FOOTINGS	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY J @ I-40/US-70 EBL)
16,480	KG	SUPPORTS, BREAKAWAY STEEL BEAM	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY K @ I-40/US-70 EBL)
5,159	KG	SUPPORTS, SIMPLE STEEL BEAM	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY L @ I-40/US-70 EBL)
2,050	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY M @ I-40/US-70 I-40 EBL)
40	EA	SUPPORTS, 3KG STEEL U-CHANNEL	Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVER- HEAD SIGN ASSEMBLY AT STA ***** (ASSY N @ I-40/US-70 I-40 EBL)
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "A" @ STA. 118+50)			

			7,872	M	RESET PORTABLE CONCRETE BARRIER
			440	HR	POLICE
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY G @ I-40/US-70 I-40 EBL)	3,944	M	GENERIC TRAFFIC CONTROL ITEM SMART WORK ZONE SYSTEM
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY H @ I-40/US-70 US-70EBL)	1	EA	GENERIC TRAFFIC CONTROL ITEM ADDITIONAL PORTABLE SMART WORK ZONE VIDEO CAMERAS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY I @ I-40/US-70 US-70EBL)	1	EA	GENERIC TRAFFIC CONTROL ITEM ADDITIONAL SMART WORK ZONE CHANGEABLE MESSAGE SIGN
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY J @ I-40/US-70 I-40 WBL)	1	EA	GENERIC TRAFFIC CONTROL ITEM ADDITIONAL SMART WORK ZONE SENSOR
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY K @ I-40/US-70 I-40 WBL)	1,859	EA	GENERIC TRAFFIC CONTROL ITEM TRANSFER AND TRANSPORT VEHICLE FOR MOVABLE CONCRETE BARRIER
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY L @ I-40/US-70 US-70EBL)	36,732	M	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY M @ I-40/US-70 US-70WBL)	17,663	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY N @ I-40/US-70 I-40 WBL)	69,594	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
Lump Sum	LS	LRS LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY O @ I-40/US-70 US-70WBL)	10,876	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "A" @ STA. 118+50)	495	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "B" @ STA. 134+80)	3,816	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY "C" @ STA. 142+80)	208	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY B @ 35+00 -I1Y1-)	36	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	STATIC LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (ASSY N @ I-40/US-70 US-70EBL)	182	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	RELOCATE SIGN, TYPE ***** (A)	20,102	M	EPOXY PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	RELOCATE SIGN, TYPE ***** (D)	1,054	M	EPOXY PAVEMENT MARKING LINES (300MM)
Lump Sum	LS	RELOCATE SIGN, TYPE ***** (E)	20	EA	EPOXY PAVEMENT MARKING SYMBOL
Lump Sum	LS	DISPOSAL OF SUPPORT, STEEL BEAM	231,946	M	PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	DISPOSAL OF SIGN SYSTEM, OVERHEAD	129,250	M	PAINT PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	1,624	M	PAINT PAVEMENT MARKING LINES (200MM)
Lump Sum	LS	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	524	M	PAINT PAVEMENT MARKING LINES (600MM)
Lump Sum	LS	DISPOSAL OF SIGN SYSTEM, WOOD	112	EA	PAINT PAVEMENT MARKING CHARACTER
Lump Sum	LS	DISPOSAL OF SUPPORT, U-CHANNEL	294	EA	PAINT PAVEMENT MARKING SYMBOL
Lump Sum	LS	DISPOSAL OF SIGN, A OR B (OVERHEAD)	2,700	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	GENERIC SIGNING ITEM SIGN ERECTION, MESSENGER CABLE	35,676	M	REMOVAL OF PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	WORK ZONE SIGNS (STATIONARY)	3,344	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	WORK ZONE SIGNS (PORTABLE)	516	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	WORK ZONE SIGNS (BARRICADE MOUNTED)	27	EA	2.1M U-CHANNEL POSTS
Lump Sum	LS	FLASHING ARROW PANELS, TYPE C	218	EA	FLEXIBLE DELINEATORS (CRYSTAL)
Lump Sum	LS	CHANGEABLE MESSAGE SIGNS	138	EA	FLEXIBLE DELINEATORS (YELLOW)
Lump Sum	LS	WARNING FLAG SETS	45	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
Lump Sum	LS	DRUMS	45	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
Lump Sum	LS	CONES	27	EA	OBJECT MARKERS (END OF ROAD)
Lump Sum	LS	BARRICADES (TYPE III)	1,167	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
Lump Sum	LS	FLAGGER	1,167	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)
Lump Sum	LS	WARNING LIGHTS (TYPE B)	80	MTN	PAVEMENT REPAIR FOR UTILITY WORK
Lump Sum	LS	TEMPORARY CRASH CUSHIONS	1,390	M	***MM DI WATER PIPE, PC ***MPA (500MM, 1.72MPA)
Lump Sum	LS	RESET TEMPORARY CRASH CUSHIONS	41	M	100MM DI WATER PIPE, PC 2.41MPA
Lump Sum	LS	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)	133	M	150MM DI WATER PIPE, PC 2.41MPA
Lump Sum	LS	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)	419	M	200MM DI WATER PIPE, PC 2.41MPA
Lump Sum	LS	PORTABLE CONCRETE BARRIER	127	M	300MM DI WATER PIPE, PC 2.41MPA
Lump Sum	LS	PORTABLE CONCRETE BARRIER (DRAINAGE)	1,692	M	400MM DI WATER PIPE, PC ***MPA (PC 1.72MPA)
Lump Sum	LS		115	M	100MM PVC WATER PIPE, SDR 21, 1.38MPA WP
Lump Sum	LS		1,787.44	M	200MM PVC WATER PIPE, SDR 21, 1.38MPA WP

			33	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY TRENCHLESS METHOD (1050MM, 7.92MM)
268	M	300MM PVC WATER PIPE, SDR 21, 1.38MPA WP	38	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY TRENCHLESS METHOD (400MM, 6.35MM)
15,154	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	3	EA	GENERIC UTILITY ITEM REMOVE EXISTING FIRE HYDRANT
34	M	20MM PE WATER TUBING, SDR 9, ****MPA WP (1.38MPA WP)	599	M	GENERIC UTILITY ITEM 250MM HDPE WATER PIPE, DR9, 1.38MPA WP, BY TRENCHLESS METHOD
3	EA	20MM CORPORATION STOP	132	M	GENERIC UTILITY ITEM 500MM DI RESTRAINED JOINT WATER PIPE, PC 2.41MPA, BY TRENCHLESS METHOD
1	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (100MM, 1.38MPA WP)	337	M	GENERIC UTILITY ITEM 500MM HDPE WATER PIPE, DR9, 1.38MPA WP, BY TRENCHLESS METHOD
8	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	34,230	M	TEMPORARY SILT FENCE
4	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA WP)	3,385	MTN	STONE FOR EROSION CONTROL, CLASS A
5	EA	300MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA WP)	40,955	MTN	STONE FOR EROSION CONTROL, CLASS B
3	EA	***MM BUTTERFLY VALVE & VALVE BOX (400MM)	25,415	MTN	SEDIMENT CONTROL STONE
4	EA	***MM BUTTERFLY VALVE & VALVE BOX (500MM)	248	HA	TEMPORARY MULCHING
1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (200MM X 200MM, 1.38MPA WP)	12,925	KG	SEED FOR TEMPORARY SEEDING
1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (400MM X 150MM, 1.38MPA WP)	104	MTN	FERTILIZER FOR TEMPORARY SEEDING
2	EA	*** X ***MM TAPPING SADDLE (200MM X 20MM)	2,160	M	TEMPORARY SLOPE DRAINS
1	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)	160	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1	EA	***MM AIR RELEASE VALVE & MANHOLE (50MM, SEWER)	21,545	M	SAFETY FENCE
3	EA	***MM AIR RELEASE VALVE & MANHOLE (50MM, WATER)	1,044,925	M3	SILT EXCAVATION
2	EA	50MM BLOW OFF ASSEMBLY	575,410	M2	MATTING FOR EROSION CONTROL
3	EA	RELOCATE EXISTING WATER METER	4,950	M2	COIR FIBER MAT
3	EA	REMOVE EXISTING WATER METER	935	M2	PERMANENT SOIL REINFORCEMENT MAT
13	EA	RELOCATE EXISTING FIRE HYDRANT	6,370	M	6.4MM HARDWARE CLOTH
385	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (200MM, SDR 21, 1.38MPA WP)	15	M	***MM TEMPORARY PIPE (450MM)
128	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (300MM, SDR 21, 1.38MPA WP)	30	M	***MM TEMPORARY PIPE (600MM)
813	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (400MM, SDR 21, 1.38MPA WP)	1,360	M3	STILLING BASINS
20	M	250MM DI SEWER PIPE, PC 2.41MPA	20	EA	SPECIAL STILLING BASINS
40	M	***MM DI FORCE MAIN SEWER PIPE PC ****MPA (150MM, 2.41MPA)	307.5	HA	SEEDING & MULCHING
103	M	***MM DI FORCE MAIN SEWER PIPE PC ****MPA (200MM, PC 2.41MPA)	136.5	HA	MOWING
120	M	***MM DI FORCE MAIN SEWER PIPE PC ****MPA (400MM, PC 2.41MPA)	2,975	KG	SEED FOR REPAIR SEEDING
2,832	KG	DUCTILE IRON SEWER PIPE FITTINGS, 1.72MPA MIN WP	10.25	MTN	FERTILIZER FOR REPAIR SEEDING
2	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	8,650	KG	SEED FOR SUPPLEMENTAL SEEDING
5	M	PRECAST CONC MANHOLE WALL, ****MM DIA, OVER 1.8M HT (1200MM)	515	MTN	FERTILIZER TOPDRESSING
477	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, PVC FORCE MAIN SEWER)	546	M	IMPERVIOUS DIKE
71	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (DI WATER)	192	HR	SPECIALIZED HAND MOWING
1,240	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC FORCE MAIN SEWER)	120	EA	RESPONSE FOR EROSION CONTROL
345	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC WATER)	3,114	M3	CULVERT DIVERSION CHANNEL
3,212	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)	7.5	HA	REFORESTATION
10	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	0.53	HA	STREAMBANK REFORESTATION
233	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (400MM, 6.35MM)	60	EA	GENERIC EROSION CONTROL ITEM FAIRCLOTH SKIMMER
185	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (600MM, 6.35MM)	60	EA	GENERIC EROSION CONTROL ITEM RESPONSE FOR RESEARCH
			1,015	M	SIGNAL CABLE
			30	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
			6	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
			746	M	MESSENGER CABLE (6.35MM)
			225	M	MESSENGER CABLE (9.52MM)
			105	M	TRACER WIRE
			1,326	M	TRENCHING (UNPAVED)
			363	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ****MM (** CONDUIT) (50MM, 1)
			213	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, ****MM (** CONDUIT) (55MM, 1)
			47	EA	JUNCTION BOX (STANDARD SIZE)
			6	EA	JUNCTION BOX (OVER-SIZED)
			8	EA	WOOD POLE
			10	EA	GUY ASSEMBLY
			3	EA	25MM RISER WITH WEATHERHEAD
			4	EA	50MM RISER WITH WEATHERHEAD
			3	EA	50MM RISER WITH HEAT SHRINK TUBING
			1,077	M	INDUCTIVE LOOP SAWCUT
			2,845	M	LEAD-IN CABLE
			3	EA	MICROWAVE VEHICLE DETECTOR
			958	M	COMMUNICATIONS CABLE (**FIBER) (12)
			3	EA	INTERCONNECT CENTER

6	EA	DELINEATOR MARKER
1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
5	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
5	EA	DOUBLE MAST ARM WITH METAL POLE
10	EA	SOIL TEST
50	M	DRILLED PIER FOUNDATION (**MM DIA) (1066MM)
10	EA	MAST ARM WITH METAL POLE DESIGN
25	EA	SIGN FOR SIGNALS
5	EA	SIGNAL CABINET FOUNDATION
5	EA	CABINET BASE ADAPTER
5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
40	EA	DETECTOR CARD (TYPE 2070L)
3	EA	GENERIC SIGNAL ITEM FIBER OPTIC TRANSCEIVER SELF HEALING RING
65	M	GENERIC SIGNAL ITEM UNDERGROUND POLY CONDUIT, 50MM (1 CONDUIT)

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (24+48.770 -Y11- REV.)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+01.500 -L2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (134+31.000 -L2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (154+38.598 -L2-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (24+48.770 -Y11- REV.)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (25+01.770 -Y11- REV.)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (37+11.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (4+93.000 -LOOP C-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (57 + 17.000 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (7+93.000 -RAMP C-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (84 + 17.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (92 + 23.500 -L-)
1,687	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
2,215.5	M3	CLASS A CONCRETE (CULVERT)
202,970	KG	REINFORCING STEEL (CULVERT)
70	MTN	PLAIN RIP RAP CLASS B

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STATION ***** (40+80.000 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+72.000 -Y11-REV)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (148+08.446-L2-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19+25.877 -I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (2,19+25.877 -I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 52+34.693 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,148+08.446-L2-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,148+08.446-L2-LT)

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,16+52.599 -Y4-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,19+25.877 -I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,27+51.601-I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,27+61.028 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,28+31.359-I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,65+51.880 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,97+46.378 -L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1,97+59.319 -L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,19+25.877 -I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,27+51.601-I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,28+31.359-I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,97+46.378 -L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2,97+59.319 -L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,27+51.601-I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3,28+31.359-I1Y1-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (4,28+31.359-I1Y1-)
6	M	PILE EXCAVATION IN SOIL
6	M	PILE EXCAVATION NOT IN SOIL
476	M	1066MM DIA DRILLED PIERS IN SOIL
78.6	M	1220MM DIA DRILLED PIERS IN SOIL
83.5	M	1066MM DIA DRILLED PIERS NOT IN SOIL
43.8	M	1220MM DIA DRILLED PIERS NOT IN SOIL
68.4	M	PERMANENT STEEL CASING FOR 1066MM DRILLED PIER
33	M	PERMANENT STEEL CASING FOR 1220MM DRILLED PIER
11	EA	SID INSPECTION
27	EA	SPT TESTING
11	EA	CROSSHOLE SONIC LOGGING
2,924	M	CSL TUBES
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (148+08.446-L2-LT)
32,252.2	M2	REINFORCED CONCRETE DECK SLAB
30,911.8	M2	GROOVING BRIDGE FLOORS
159.1	M3	CLASS AA CONCRETE (BRIDGE)
5,034.2	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (109+56.000-L2LT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (110+37.000-L2RT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (121+97.157-L2LT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (122+14.832-L2RT-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+38.000-LREV-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+38.000-LREV-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+72.000 -Y11-REV)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (148+08.446-L2-LT)

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (148+08.446-L2-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+52.599 -Y4-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+25.877 -I1Y1-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (27+51.601-I1Y1-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (27+61.028 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+31.359-I1Y1-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (40+80.000 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (40+96.000 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+34.693 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (65+51.880 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (78+35.547 -L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (78+35.547 -L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (97+46.378 -L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (97+59.319 -L-LT)
526,531	KG	REINFORCING STEEL (BRIDGE)
1,226	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
45,269	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
220.08	M	1143MM PRESTRESSED CONCRETE GIRDERS
3,665.366	M	1372MM PRESTRESSED CONCRETE GIRDERS
1,729.212	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
387.296	M	MODIFIED 1829MM PRESTRESSED CONC GIRDERS
2,815,464	LS	APPROX KG STRUCTURAL STEEL
14,586.9	M	HP310X79 STEEL PILES
1,499	M	HP360X108 STEEL PILES
36	EA	STEEL PILE POINTS
Lump Sum	LS	GALVANIZING STEEL PILES AT STA ***** (40+80.000 -L-)
Lump Sum	LS	GALVANIZING STEEL PILES AT STA ***** (40+96.000 -L-)
5,054.03	M	CONCRETE BARRIER RAIL
8,363.2	M2	100MM SLOPE PROTECTION
1,120	MTN	PLAIN RIP RAP, CLASS ** (I)
5,030	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
6,219	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	MODULAR EXPANSION JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM, STA ***** (40+80.000 -L-)
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (19+25.877 -I1Y1-)
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (28+31.359-I1Y1-)
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (40+80.000 -L-)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 010

CONTRACT ID : C201324 33240.3.1

DIV OFFICE ALBEMARLE

LENGTH = 0.163 MI

COUNTY : STANLY

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 9.0% COMPLETION DATE : DEC 01 2005

BRIDGE OVER LONG CREEK AND APPROACHES ON SR-1214.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+85.00)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
200	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
7,600	CY	BORROW EXCAVATION
900	CY	DRAINAGE DITCH EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
100	SY	FABRIC FOR SOIL STABILIZATION
25	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
152	LF	15" RC PIPE CULVERTS, CLASS III
56	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
4	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
500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
300	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
400	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
62	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
5	EA	MASONRY DRAINAGE STRUCTURES
5	EA	FRAME WITH TWO GRATES, STD 840.29
450	LF	SHOULDER BERM GUTTER
425	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
105	TON	PLAIN RIP RAP, CLASS I
260	TON	PLAIN RIP RAP, CLASS B
1,100	SY	FILTER FABRIC FOR DRAINAGE
490	SF	WORK ZONE SIGNS (STATIONARY)
148	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4	EA	WARNING FLAG SETS
112	LF	BARRICADES (TYPE III)
6,880	LF	PAINT PAVEMENT MARKING LINES (4")
760	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
220	TON	STONE FOR EROSION CONTROL, CLASS B
95	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
150	LF	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
1,655	CY	SILT EXCAVATION
950	SY	MATting FOR EROSION CONTROL
100	LF	1/4" HARDWARE CLOTH
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
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+85.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+85.00 -L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (16+85.00 -L-)
76.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+85.00 -L-)
8,736	LB	REINFORCING STEEL (BRIDGE)
536.67	LF	TYPE III PRESSESSED CONCRETE DECK GIRDER
4,200	LS	APPROX LBS STRUCTURAL STEEL
270	LF	HP12X53 STEEL PILES
9	EA	STEEL PILE POINTS
199.67	LF	ONE BAR METAL RAIL
214.67	LF	1'-***X ***** CONCRETE PARAPET (1'-0" X 2'-1")
662	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
736	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 011

CONTRACT ID : C200891 33253.3.1

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.327 MI

COUNTY : WILKES

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 9.0% COMPLETION DATE : DEC 31 2006

BRIDGE OVER MULBERRY CREEK & APPROACHES ON NC-268.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+05.5 -L-)
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
500	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
1,000	TON	CLASS IV SUBGRADE STABILIZA- TION
12,300	CY	BORROW EXCAVATION
10	CY	DRAINAGE DITCH EXCAVATION
1,000	CY	SELECT GRANULAR MATERIAL
1,000	SY	FABRIC FOR SOIL STABILIZATION
230	SF	TEMPORARY SHORING
29	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
140	LF	15" RC PIPE CULVERTS, CLASS III
120	LF	24" RC PIPE CULVERTS, CLASS III
8	LF	18" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
2	EA	18" BIT COAT CS PIPE ELBOWS, T YPE B 0.064" THICK
110	LF	PIPE REMOVAL
75	TON	INCIDENTAL STONE BASE
1,550	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
1,220	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
880	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
182	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
10	EA	RIGHT OF WAY MARKERS
230	CY	SUBDRAIN EXCAVATION
170	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)
4	EA	MASONRY DRAINAGE STRUCTURES
1.64	LF	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.24
1	EA	FRAME WITH TWO GRATES, STD 840.29
10	LF	SHOULDER BERM GUTTER
362.5	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (W-BEAM)
25	TON	PLAIN RIP RAP, CLASS B
200	SY	FILTER FABRIC FOR DRAINAGE
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
84	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
60	EA	DRUMS
60	EA	CONES
40	LF	BARRICADES (TYPE III)
320	HR	FLAGGER

2	EA	TEMPORARY CRASH CUSHIONS
245	LF	PORTABLE CONCRETE BARRIER
222	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)
22	EA	TEMPORARY RAISED PAVEMENT MARKERS
6,900	LF	EPOXY PAVEMENT MARKING LINES (4")
13,800	LF	PAINT PAVEMENT MARKING LINES (4")
400	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
2	EA	PERMANENT RAISED PAVEMENT MARKERS
19	EA	SNOWPLOWABLE PAVEMENT MARKERS
12	TON	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (VI)
12	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
238	LF	6" PVC WATER PIPE, SDR ***** (SDR 21, 200# WP)
300	LB	DUCTILE IRON WATER PIPE FIT- TINGS, 250# MIN WP
2	EA	6" GATE VALVE & VALVE BOX, 200# WP
416	LF	GENERIC UTILITY ITEM 8" HDPE WATER PIPE, SDR 9, 200 # WP BY DIRECTIONAL BORE
2,190	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
380	TON	STONE FOR EROSION CONTROL, CLASS B
160	TON	SEDIMENT CONTROL STONE
5	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
0.75	TON	FERTILIZER FOR TEMPORARY SEED- ING
240	LF	TEMPORARY SLOPE DRAINS
5	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
800	LF	SAFETY FENCE
900	CY	SILT EXCAVATION
700	SY	MATTING FOR EROSION CONTROL
20	LF	1/4" HARDWARE CLOTH
5.5	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
125	LB	SEED FOR SUPPLEMENTAL SEEDING
4.25	TON	FERTILIZER TOPDRESSING
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.25	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (17+05.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (17+05.50-L-)
196	LF	3'-6" DIA DRILLED PIERS IN SO IL
60	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
37	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
4	EA	SID INSPECTION
4	EA	SPT TESTING
2	EA	CROSSHOLE SONIC LOGGING
1,064	LF	CSL TUBES

5,510	SF	REINFORCED CONCRETE DECK SLAB
6,067	SF	GROOVING BRIDGE FLOORS
96.7	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (17+05.50-L-)
35,818	LB	REINFORCING STEEL (BRIDGE)
6,201	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
728.333	LF	45" PRESTRESSED CONCRETE GIR- DERS
480	LF	HP12X53 STEEL PILES
295.833	LF	CONCRETE BARRIER RAIL
355	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
395	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 012

CONTRACT ID : C201199 32751.3.2

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.298 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER SOUTH FORK NEW RIVER & APPROACHES ON SR-1179.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
43,500	CY	UNCLASSIFIED EXCAVATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+05.00)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
300	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
45	CY	DRAINAGE DITCH EXCAVATION
200	SY	FABRIC FOR SOIL STABILIZATION
50	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
24	LF	15" SIDE DRAIN PIPE
136	LF	18" RC PIPE CULVERTS, CLASS III
116	LF	42" RC PIPE CULVERTS, CLASS III
28	LF	6" CS PIPE CULVERTS, 0.064" THICK (SPRING BOX)
96	LF	18" CS PIPE CULVERTS, 0.064" THICK
68	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
55	LF	PIPE REMOVAL
2,000	TON	AGGREGATE BASE COURSE
100	TON	INCIDENTAL STONE BASE
450	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
30	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
24	EA	RIGHT OF WAY MARKERS
112	CY	SUBDRAIN EXCAVATION
84	CY	SUBDRAIN FINE AGGREGATE
500	LF	6" PERFORATED SUBDRAIN PIPE
15	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE (SUBDRAINS)
4.5	CY	ENDWALLS
3	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
40	LF	SHOULDER BERM GUTTER
350	LF	STEEL BM GUARDRAIL
100	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
310	LF	** STRAND BARBED WIRE FENCE WITH POSTS (4)
150	TON	PLAIN RIP RAP, CLASS I
6	TON	PLAIN RIP RAP, CLASS II
40	TON	PLAIN RIP RAP, CLASS B
1,235	SY	FILTER FABRIC FOR DRAINAGE
428	SF	WORK ZONE SIGNS (STATIONARY)
32	SF	WORK ZONE SIGNS (PORTABLE)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
4	EA	WARNING FLAG SETS
96	LF	BARRICADES (TYPE III)
6,300	LF	POLYUREA PAVEMENT MARKING LINES (4")
1,650	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A

450	TON	STONE FOR EROSION CONTROL, CLASS B
510	TON	SEDIMENT CONTROL STONE
5.5	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
0.75	TON	FERTILIZER FOR TEMPORARY SEEDING
120	LF	TEMPORARY SLOPE DRAINS
3	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
400	LF	SAFETY FENCE
1,515	CY	SILT EXCAVATION
1,800	SY	MATTING FOR EROSION CONTROL
40	LF	1/4" HARDWARE CLOTH
16	EA	SPECIAL STILLING BASINS
7	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
125	LB	SEED FOR SUPPLEMENTAL SEEDING
5.25	TON	FERTILIZER TOPDRESSING
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STATION ***** (19 + 05.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19 + 05.00 -L-)
70.67	LF	3'-6" DIA DRILLED PIERS IN SOIL
88	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
14.09	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
4	EA	CROSSHOLE SONIC LOGGING
714.67	LF	CSL TUBES
10,624	SF	REINFORCED CONCRETE DECK SLAB
9,195	SF	GROOVING BRIDGE FLOORS
96.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+ 05.00 -L-)
24,579	LB	REINFORCING STEEL (BRIDGE)
5,368	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
238,000	LS	APPROX LBS STRUCTURAL STEEL
210	LF	HP12X53 STEEL PILES
14	EA	STEEL PILE POINTS
779.77	LF	CONCRETE BARRIER RAIL
415	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
465	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
500	DOL	CONTRACT TIME

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 013

CONTRACT ID : C201258 33249.3.1

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.071 MI

COUNTY : WATAUGA

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : DEC 31 2006

BRIDGE OVER LAUREL FORK CREEK & APPROACHES ON SR-1111.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (16+99.00 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
500	CY	UNDERCUT EXCAVATION
600	TON	CLASS IV SUBGRADE STABILIZA- TION
500	CY	SELECT GRANULAR MATERIAL
500	SY	FABRIC FOR SOIL STABILIZATION
480	SY	GENERIC GRADING ITEM ROCK-PLATED EMBANKMENT
24	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS
92	LF	15" RC PIPE CULVERTS, CLASS III
105	LF	*** CS PIPE CULVERTS, ***** THICK (96", 0.109")
24	LF	15" CS PIPE CULVERTS, 0.064" THICK
105	LF	PIPE REMOVAL
1	EA	PIPE CLEAN-OUT
115	TON	AGGREGATE BASE COURSE
50	TON	INCIDENTAL STONE BASE
100	SY	INCIDENTAL MILLING
205	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
140	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
18	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
30	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
12	EA	RIGHT OF WAY MARKERS
67.2	CY	SUBDRAIN EXCAVATION
50.4	CY	SUBDRAIN FINE AGGREGATE
300	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)
1,235	SF	SANDBAG HEADWALL
4	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.24
3	EA	FRAME WITH TWO GRATES, STD 840.29
135	CY	SELECT GRANULAR MATERIAL FOR TEMPORARY FABRIC WALL
950	SY	FABRIC FOR TEMPORARY FABRIC WALL
60	LF	SHOULDER BERM GUTTER
105	LF	CONCRETE EXPRESSWAY GUTTER
20	SY	4" CONCRETE PAVED DITCH
75	LF	STEEL BM GUARDRAIL
25	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (TYPE III, SHOP CURVED)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
1	EA	GUARDRAIL ANCHOR UNITS, TYPE III
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
250	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
26	TON	PLAIN RIP RAP, CLASS B
1,080	SY	FILTER FABRIC FOR DRAINAGE

2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
154	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
32	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
30	EA	DRUMS
15	EA	CONES
48	LF	BARRICADES (TYPE III)
2,400	HR	FLAGGER
1	EA	TEMPORARY CRASH CUSHIONS
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)
300	LF	PORTABLE CONCRETE BARRIER
38	EA	TEMPORARY RAISED PAVEMENT MARKERS
8,700	LF	PAINT PAVEMENT MARKING LINES (4")
40	LF	PAINT PAVEMENT MARKING LINES (24")
58	EA	PERMANENT RAISED PAVEMENT MARKERS
580	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
110	TON	STONE FOR EROSION CONTROL, CLASS B
235	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEED- ING
40	LF	TEMPORARY SLOPE DRAINS
1	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
500	LF	SAFETY FENCE
170	CY	SILT EXCAVATION
435	SY	MATTING FOR EROSION CONTROL
80	LF	1/4" HARDWARE CLOTH
8	EA	SPECIAL STILLING BASINS
0.5	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
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.28	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (16+99.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+99.00-L-)
12	LF	3'-6" DIA DRILLED PIERS IN SO IL
32	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
1	EA	SID INSPECTION
1	EA	SPT TESTING
2	EA	CROSSHOLE SONIC LOGGING
216	LF	CSL TUBES
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (16+99.00-L-)
61.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (16+99.00-L-)
13,475	LB	REINFORCING STEEL (BRIDGE)

1,478	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
140	LF	HP12X53 STEEL PILES
214.21	LF	CONCRETE BARRIER RAIL
149	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
167	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
963.94	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050517 014

CONTRACT ID : C201223 33280.3.2

DIV OFFICE SHELBY

LENGTH = 0.134 MI

COUNTY : CLEVELAND

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE OVER BUFFALO CREEK AND APPROACHES ON SR-1906.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+65.00-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
150	CY	UNDERCUT EXCAVATION
20	CY	DRAINAGE DITCH EXCAVATION
64	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
6	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
50	TON	INCIDENTAL STONE BASE
470	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
212	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
34	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
3	EA	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.29
280	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
6	TON	PLAIN RIP RAP, CLASS I
119	TON	PLAIN RIP RAP, CLASS B
804	SY	FILTER FABRIC FOR DRAINAGE
424	SF	WORK ZONE SIGNS (STATIONARY)
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
104	LF	BARRICADES (TYPE III)
5,640	LF	PAINT PAVEMENT MARKING LINES (4")
10	TON	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (IV)
10	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
93.5	LF	6" PVC WATER PIPE, SDR ***** (SDR 21, 200# WP)
200	LB	DUCTILE IRON WATER PIPE FIT- TINGS, 250# MIN WP
2	EA	6" GATE VALVE & VALVE BOX, 200# WP
591	LF	GENERIC UTILITY ITEM 8" HDPE WATER PIPE, SDR 9, 200# WP BY DIRECTIONAL BORE
550	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
170	TON	STONE FOR EROSION CONTROL, CLASS B
255	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
3	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
250	LF	SAFETY FENCE
365	CY	SILT EXCAVATION
850	SY	MATTING FOR EROSION CONTROL
60	LF	1/4" HARDWARE CLOTH
8	EA	SPECIAL STILLING BASINS
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
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (14+65.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+65.00 -L-)
70.58	LF	***" DIA DRILLED PIERS IN SOIL (4'-6")
13	LF	***" DIA DRILLED PIERS NOT IN SOIL (4'-6")
62.18	LF	PERMANENT STEEL CASING FOR ***" DIA DRILLED PIER (4'-6")
1	EA	SID INSPECTION
1	EA	CROSSHOLE SONIC LOGGING
354.33	LF	CSL TUBES
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (14+65.00 -L-)
4,622	SF	REINFORCED CONCRETE DECK SLAB
4,848	SF	GROOVING BRIDGE FLOORS
70.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+65.00 -L-)
16,609	LB	REINFORCING STEEL (BRIDGE)
2,904	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
585.67	LF	54" PRESTRESSED CONCRETE GIR- DERS
400	LF	HP12X53 STEEL PILES
295.83	LF	CONCRETE BARRIER RAIL
307	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
341	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

