




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

October 21, 2003

MEMORANDUM TO: Prime Contractors
FROM: R. A. Garris, P. E. 
Contract Officer
SUBJECT: Plan & Proposal Distribution Upon Award

Effective with the November 18, 2003 Letting, prime contractors who are awarded projects will be limited to the number of sets of plans that can be distributed free of charge. The limits are as follows:

Roadway Plans: (8) 22"x34", (16) 11"x17", (8) subsurface & (8) cross-sections
Structure Plans: (10) 22"x34", (10) 11"x17", (10) subsurface
Proposals (20)

Additional requests will be invoiced at the project's advertised price. Requests should be made to Kim Canady or Larry Strickland at 919-250-4124.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
DESIGN 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 B15
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

June 17, 2003

NOTICE TO: Plan Holders
FROM: R. A. Garris, P.E. 
Contract Officer
SUBJECT: Delays in Billing

Please be advised that invoices for April, May and June plans and proposals have not been mailed. The Department has been transitioning to a new financial system, and as a result, are experiencing delays in billing. Once the new system becomes stable, and we are able to invoice, you will receive invoices for all orders placed since April 2003. We apologize for any inconvenience that this may cause.

If you have any questions, please contact Kim Canady at (919) 250-4124 or e-mail her at klcanady@dot.state.nc.us.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
DESIGN 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 B15
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

August 19, 2003

MEMORANDUM TO: Electronic Bidders
FROM: R. A. Garris, P. E. 
Contract Officer
SUBJECT: Upgrade to Expedite 5.2b

Please be advised that effective with the September 16th, 2003 bid letting, North Carolina Department of Transportation will be upgrading from Expedite 5.1a to Expedite 5.2b.

This new version of software is available for download from either the NC Department of Transportation or the Bid Express web site. The links are listed below. Before upgrading your software, please ensure you have backed up your Digital ID. If you have not done so, this can be accomplished through the Tools menu under Digital ID's. It is recommended that you then uninstall the Expedite 5.1a version to ensure no confusion in the future. Once you have installed Expedite 5.2b, you need to enter your Bidder Information and Agency ID. The digital ID backup file you created in the previous version will also need to be imported back in through the Tools menu under Digital ID's. If you do not feel comfortable with any part of this procedure, please do not hesitate to contact the Bid Express helpdesk at (352) 381-4888, to have them walk you through this upgrade. The staff in Design Services Contract Office is also available for any further questions you may have concerning this transition.

Bid Express
<http://www.bidx.com>

NC Department of Transportation
http://www.doh.dot.state.nc.us/preconstruct/highway/dsn_srvc/contracts/expedi/

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 DESIGN SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00PM ON DECEMBER 16, 2003**. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2:00PM.

BIDS SHALL BE SUBMITTED IN ACCORDANCE WITH THE SPECIAL PROVISION TITLED "ON-LINE ELECTRONIC BIDDING" CONTAINED IN EACH PROPOSAL FORM.

THE BIDDER SHALL FURNISH A NON-COLLUSION AFFIDAVIT FOR EACH BID. AFFIDAVIT FORMS WILL BE INCLUDED IN THE PROPOSAL AS PART OF THE SIGNATURE SHEETS.

A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL USE THE STANDARD BID BOND FORM OF THE DEPARTMENT OF TRANSPORTATION, UNLESS HE ELECTS TO FURNISH A BID DEPOSIT. COPIES OF THIS BOND FORM WILL BE ENCLOSED WITH EACH PROPOSAL FORM. ADDITIONAL BOND FORMS MAY BE OBTAINED FROM THE RALEIGH OFFICE. (PHONE - 919-250-4124).

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

CONTRACTOR'S LICENSE: A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

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, DESIGN 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 NOVEMBER 18, 2003.
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	D. R. Conner	113 AIRPORT DR. SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr.	105 PACTOLUS ROAD	GREENVILLE	(252) 830-3490
00003	H. A. Pope	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Anthony W. Roper , PE	509 WARD BOULEVARD	WILSON	(252) 237-6164
00005	J. G. Nance	2612 NORTH DUKE STREET	DURHAM	(919) 560-6851
00006	T. R. Gibson	558 GILLESPIE STREET	FAYETTEVILLE	(910) 486-1493
00007	J. M. Mills	1534 YANCEYVILLE STREET	GREENSBORO	(336) 334-3192
00008	W. F. Rosser	902 N. SANDHILLS BOULEVARD	ABERDEEN	(910) 944-2344
00009	S. P. Ivey	2125 CLOVERDALE AVENUE	WINSTON-SALEM	(336) 631-1340
00010	B. G. Payne	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A. Pettyjohn, PE	NC-115 WEST	NORTH WILKESBORO	(336) 667-9111
00012	M. L. Holder	1710 EAST MARION STREET	SHELBY	(704) 480-5400
00013	J. J. Swain	55 ORANGE STREET	ASHEVILLE	(828) 251-6171
00014	R. G. Watson	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L031216

RPN	Contract Id	WBS	County	Length	JobType
001	C200785	34452.3.5	PAMLICO	9.919 KM	WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.
002	C201029	5CR.20911.2 ETC.	VANCE	7.150 MI	MILLING, SHLDR RECONST, CURB & GUTTER & RESURFACING.
003	C201030	5CR.10931.2 ETC.	WARREN	14.360 MI	MILLING, SHLDR RECONST, CURB & GUTTER & RESURFACING.
004	C201032	5C.092027 ETC.	WAKE	55.280 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.
005	C200797	34365.3.42	WAKE	2.861 KM	GRADING, DRAINAGE, PAVING & STRUCTURES.
006	C200798	34365.3.43	DURHAM, WAKE	3.640 KM	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
007	C200799	34365.3.44	DURHAM, WAKE	1.706 KM	GRADING, DRAINAGE, PAVING, SIGNING & STRUCTURES.
008	C200993	34365.3.43 ETC.	DURHAM, WAKE	5.346 KM	WIDENING, GRADING, DRAINAGE, PAVING, SIGNING, SIGNAL & STRS.
009	C201048	36799	ORANGE	3.661 MI	RESURFACING, SHOULDER RECONST, GUARDRAIL & PVMT MARKINGS.
010	C201051	37189	ROCKINGHAM	6.119 MI	MILLING, RESURFACING, GUARDRAIL & PAVEMENT MARKINGS.
011	C201018	8CR.10191.1 ETC.	CHATHAM	19.030 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS
012	C201019	8CR.10531.1 ETC.	LEE	9.160 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS
013	C201020	8CR.10471.1 ETC.	HOKE	5.180 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS
014	C201024	8CR.10631.1 ETC.	MOORE	17.430 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.
015	C201025	8CR.10831.1 ETC.	SCOTLAND	14.840 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.
016	C201031	8CR.10761.1 ETC.	RANDOLPH	36.230 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.
017	C200801	34517.3.6	ROWAN	6.173 KM	WIDENING, GRADING, DRAINAGE, PAVING & CULVERT.
018	C201045	36838 ETC.	ROWAN	34.920 MI	MILLING, RESURFACING & PAVEMENT MARKINGS.
019	C201046	36823 ETC.	DAVIDSON	46.214 MI	MILLING, RESURFACING & PAVEMENT MARKINGS.
020	C201047	36836 ETC.	FORSYTH	56.463 MI	MILLING, RESURFACING, SHLDR RECONST & PAVEMENT MARKINGS.
021	C200551	34772.3.8	CABARRUS	6.617 KM	GRADING, DRAINAGE, PAVING & STRUCTURES.
022	C200795	34355.3.10	STANLY	5.501 KM	WIDENING, GRADING, DRAINAGE, PAVING & CULVERT.
023	C200796	34355.3.9	STANLY	9.623 KM	WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.
024	C201055	34355.3.10 ETC.	STANLY	15.123 KM	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.
025	C200779	34522.3.2	CATAWBA	1.050 KM	WIDENING, GRADING, DRAINAGE, PAVING & CULVERT EXT.
026	C200802	34797.3.4	CATAWBA	6.236 KM	WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.
027	C201054	34522.3.2 ETC.	CATAWBA	7.286 KM	WIDENING, GRADING, DRAINAGE, PAVING, TRACKWORK & STRUCTURES.
028	C201042	12CR.10231.2 ETC	CLEVELAND	34.470 MI	RESURFACING, SHOULDER RECONST & PAVEMENT MARKINGS.
029	C201053	12CR.10181.1 ETC	CATAWBA	34.530 MI	MILLING, RESURFACING, SHOULDER RECONST & PAVEMENT MARKINGS.

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

Bid Letting Number L031216

RPN	Contract Id	WBS	County	Length	JobType
030	C201034	37238 ETC.	BUNCOMBE	10.660 MI	RESURFACING, GUARDRAIL & PVMT MARKINGS.
031	C201038	13CR.10121.1 ETC	BURKE	17.820 MI	MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.
032	C201039	13CR.10611.2 ETC	MITCHELL, YANCEY	13.620 MI	SHLDR RECONST, MILLING, RESURFACING, & PAVEMENT MARKINGS.
033	C201040	13CR.10111.3 ETC	BUNCOMBE, HENDERSON	33.760 MI	RESURFACING, SHLDR RECONST & PVMT MARKINGS.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 001

CONTRACT ID : C200785 34452.3.5

DIV OFFICE GREENVILLE

LENGTH = 9.919 KM

COUNTY : PAMLICO

WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : JUN 15 2007

NC-55 FROM EAST OF SR-1127 (BAYLEAF RD) TO EAST OF SR-1129 (BENNETT-TINGLE RD).

ROADWAY ITEMS					
			28,483	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
			3,038	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
			1,852	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
			300	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
			414	M3	SUBDRAIN EXCAVATION
			207	M3	SUBDRAIN FINE AGGREGATE
			500	M	150MM PERFORATED SUBDRAIN PIPE
			51	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
			4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
			8	M	150MM OUTLET PIPE (SUBDRAINS)
			14.8	M3	ENDWALLS
			6.7	M3	REINFORCED ENDWALLS
			9.86	M3	PIPE COLLARS
			45	M3	FLOWABLE FILL
			135	EA	MASONRY DRAINAGE STRUCTURES
			9.76	M	MASONRY DRAINAGE STRUCTURES
			15	EA	FRAME WITH TWO GRATES, STD 840.16
			2	EA	FRAME WITH TWO GRATES, STD 840.24
			11	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			52	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			43	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			2	EA	FRAME WITH COVER, STD 840.54
			6	EA	GENERIC DRAINAGE ITEM BICYCLE SAFE STEEL GRATE & FRAME
			100	M3	CONCRETE RETAINING WALLS
			9,948	M	750MM CONCRETE CURB & GUTTER
			170	M	SHOULDER BERM GUTTER
			14	EA	MODIFIED CONCRETE FLUME
			150	M	CONCRETE EXPRESSWAY GUTTER
			2,260	M2	150MM CONCRETE DRIVEWAY
			65	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)
			100	M2	GENERIC PAVING ITEM ARCHITECTURAL CONCRETE SURFACE TREATMENT
			143	M	GENERIC PAVING ITEM STEEL PIPE HANDRAIL FOR CONCRETE RETAINING WALL
			91	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE COVER
			750.57	M	STEEL BM GUARDRAIL
			45.72	M	STEEL BM GUARDRAIL, SHOP CURVED
			2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10	EA	ADDITIONAL GUARDRAIL POSTS
			13	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			13	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			170	MTN	PLAIN RIP RAP, CLASS I
			220	MTN	PLAIN RIP RAP, CLASS B
			1,630	M2	FILTER FABRIC FOR DRAINAGE
			16	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
			25	MTN	GENERIC EROSION CONTROL ITEM BOULDERS
			56	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
			431	M	SUPPORTS, WOOD
			7	EA	SIGN ERECTION, TYPE D
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)			
0.8	HA	SUPPLEMENTARY CLEARING & GRUBBING			
4	EA	SEALING ABANDONED WELLS			
32,000	M3	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (149+52.500)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (76+04.000)			
38,300	M3	UNDERCUT EXCAVATION			
4,000	MTN	CLASS IV SUBGRADE STABILIZATION			
3,900	M	WICK DRAINS			
94,000	M3	BORROW EXCAVATION			
8	EA	EMBANKMENT SETTLEMENT GAUGES			
1,330	M3	DRAINAGE DITCH EXCAVATION			
6,950	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT			
500	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT			
28	HR	PROOF ROLLING			
52,000	M3	SELECT GRANULAR MATERIAL			
64,900	M2	FABRIC FOR SOIL STABILIZATION			
2,000	M2	TEMPORARY SHORING - BARRIER SUPPORTED			
1,800	MTN	GENERIC GRADING ITEM SELECT MATERIAL, CLASS III			
640	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
13.2	M	***** SIDE DRAIN PIPE (900MM)			
474	M	375MM SIDE DRAIN PIPE			
25.2	M	450MM SIDE DRAIN PIPE			
1,783.2	M	375MM RC PIPE CULVERTS, CLASS III			
1,287.6	M	450MM RC PIPE CULVERTS, CLASS III			
1,551.6	M	600MM RC PIPE CULVERTS, CLASS III			
1,165.2	M	750MM RC PIPE CULVERTS, CLASS III			
84	M	900MM RC PIPE CULVERTS, CLASS III			
16.8	M	1050MM RC PIPE CULVERTS, CLASS III			
24	M	1200MM RC PIPE CULVERTS, CLASS III			
28.8	M	1650MM RC PIPE CULVERTS, CLASS III			
40.8	M	***** BIT COAT CS PIPE CULVERTS, TYPE A ****MM THICK (400MM, 1.63MM)			
2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE A ****MM THICK (400MM, 1.63MM)			
1,686.6	M	PIPE REMOVAL			
5	EA	PIPE CLEAN-OUT			
Lump Sum	LS	FINE GRADING			
3,000	KG	SEALING EXISTING PAVEMENT CRACKS			
3,050	MTN	AGGREGATE BASE COURSE			
1,200	MTN	INCIDENTAL STONE BASE			
2,500	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (50MM)			
550	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B			
35,530	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C			
30,660	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
695	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5A			

Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (149+52.500-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (76+04.000-L-)
55,449	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
987	M	1143MM PRESTRESSED CONCRETE GIRDERS
4,496	M	406MM PRESTRESSED CONC PILES
998.5	M	HP310X79 STEEL PILES
264	EA	STEEL PILE TIPS
195.258	M	TWO BAR METAL RAIL
446	M	CONCRETE BARRIER RAIL
199.868	M	*** X ***MM CONCRETE PARAPET (355MM X 760MM)
1,395	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
1,425	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
5,336.496	M	914MM X 533MM PRESTRESSED CONC CORED SLABS
2	EA	GENERIC STRUCTURE ITEM DYNAMIC LOAD TEST

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 002

CONTRACT ID : C201029 5CR.20911.2

DIV OFFICE DURHAM

LENGTH = 7.150 MI

COUNTY : VANCE

MILLING, SHLDR RECONST, CURB & GUTTER & RESURFACING.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

6 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
169	TON	INCIDENTAL STONE BASE
10.02	SMI	SHOULDER RECONSTRUCTION
23,549	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
2,616	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
5,808	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
548	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
90	TON	PATCHING EXISTING PAVEMENT
500	LF	2'-6" CONCRETE CURB & GUTTER
36	EA	ADJUSTMENT OF MANHOLES
16	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
127,019	LF	PAINT PAVEMENT MARKING LINES (4")
1,050	LF	PAINT PAVEMENT MARKING LINES (16")
891	LF	PAINT PAVEMENT MARKING LINES (24")
22	EA	PAINT PAVEMENT MARKING CHARAC- TER
10	EA	PAINT PAVEMENT MARKING SYMBOL
330	EA	PERMANENT RAISED PAVEMENT MARKERS
7.52	ACR	SEEDING & MULCHING
260	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 003

CONTRACT ID : C201030 5CR.10931.2

DIV OFFICE DURHAM

LENGTH = 14.360 MI

COUNTY : WARREN

MILLING, SHLDR RECONST, CURB & GUTTER & RESURFACING.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

1 SECTION OF US-158 AND 11 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
340	TON	INCIDENTAL STONE BASE
27.18	SMI	SHOULDER RECONSTRUCTION
12,419	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
2,724	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
7,469	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
8,871	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,181	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
190	TON	PATCHING EXISTING PAVEMENT
350	LF	2'-6" CONCRETE CURB & GUTTER
3	EA	WHEELCHAIR RAMPS
9	EA	ADJUSTMENT OF MANHOLES
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
104,910	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
68,785	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
240	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
24	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
77,908	LF	PAINT PAVEMENT MARKING LINES (4")
620	EA	PERMANENT RAISED PAVEMENT MARKERS
20.4	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 004

CONTRACT ID : C201032

5C.092027

DIV OFFICE DURHAM

LENGTH = 55.280 MI

COUNTY : WAKE

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

1 SECTION OF NC-50, 1 SECTION OF NC-98 AND 26 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
427	TON	INCIDENTAL STONE BASE
82.52	SMI	SHOULDER RECONSTRUCTION
6,520	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1")
15,206	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
2,150	SY	INCIDENTAL MILLING
10,078	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
7,501	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
25,943	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
15,087	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
16,143	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
120	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)
3,533	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
980	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
4,397	TON	PATCHING EXISTING PAVEMENT
4	EA	WHEELCHAIR RAMPS
251	EA	GENERIC PAVING ITEM RETROFIT EXT WHEELCHAIR RAMPS
1	EA	ADJUSTMENT OF DROP INLETS
73	EA	ADJUSTMENT OF MANHOLES
106	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
488,753	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
338,982	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
5,346	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
480	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
3,105	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
190	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
539	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
148,735	LF	PAINT PAVEMENT MARKING LINES (4")
200	LF	PAINT PAVEMENT MARKING LINES (16")
970	LF	PAINT PAVEMENT MARKING LINES (24")
94	EA	PAINT PAVEMENT MARKING CHARAC- TER
306	EA	PAINT PAVEMENT MARKING SYMBOL
600	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
3,555	EA	PERMANENT RAISED PAVEMENT MARKERS
60.25	ACR	SEEDING & MULCHING
500	LF	INDUCTIVE LOOP SAWCUT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 005

CONTRACT ID : C200797 34365.3.42

DIV OFFICE DURHAM

LENGTH = 2.861 KM

COUNTY : WAKE

GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : MAY 15 2007

I-540 (NORTHERN WAKE EXPRESSWAY) FROM NC-55 WEST OF MORRISVILLE TO RTP EAST LIMITS.

ROADWAY ITEMS

			94.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
			66	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	MOBILIZATION	26	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING ... HECTARE(S)	10	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
2	HA	SUPPLEMENTARY CLEARING & GRUBBING	9.6	M	***MM WELDED STEEL PIPE, ***MM THICK, GRADE **** (600MM, 6MM, B)
2	EA	SEALING ABANDONED WELLS			
290,500	M3	UNCLASSIFIED EXCAVATION	22.8	M	****MM WELDED STEEL PIPE, ****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (600MM, 6MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+51.883 LT)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+51.883 RT)	1	EA	GENERIC PIPE ITEM 1200MM X 600MM RC PIPE TAPERED INLET
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+51.408 LT)	1	EA	GENERIC PIPE ITEM 1500MM X 900MM RC PIPE TAPERED INLET
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (25+51.408 RT)	231.2	M	PIPE REMOVAL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+55.867 LT)	Lump Sum	LS	FINE GRADING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (28+55.867 RT)	120	KG	SEALING EXISTING PAVEMENT CRACKS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (36+01.949 LT)	66,850	M2	LIME TREATED SOIL (SLURRY METHOD)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (36+01.949 RT)	740	MTN	LIME FOR LIME TREATED SOIL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (36+01.949 RT)	2,000	MTN	STABILIZER AGGREGATE
4,350	M3	UNDERCUT EXCAVATION	31,800	MTN	AGGREGATE BASE COURSE
1,000	MTN	CLASS IV SUBGRADE STABILIZATION	66,850	M2	***MM SOIL CEMENT BASE (180MM)
1,242,500	M3	BORROW EXCAVATION	2,010	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
2	EA	EMBANKMENT SETTLEMENT GAUGES	925	MTN	AGGREGATE FOR SOIL CEMENT BASE
11,850	M3	DRAINAGE DITCH EXCAVATION	90,950	L	ASPHALT CURING SEAL
365	M	BERM DITCH CONSTRUCTION	75	MTN	INCIDENTAL STONE BASE
8,950	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	15,100	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
36	HR	PROOF ROLLING	1,450	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
3,000	M3	SELECT GRANULAR MATERIAL	3,850	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
3,000	M2	FABRIC FOR SOIL STABILIZATION	12,400	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
425	MTN	SELECT MATERIAL, CLASS II	8,750	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,115	MTN	SELECT MATERIAL, CLASS III	11,900	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C
1,262	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	2,045	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
33.6	M	375MM SIDE DRAIN PIPE	655	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
1,458	M	375MM RC PIPE CULVERTS, CLASS III	145	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
1,174.8	M	450MM RC PIPE CULVERTS, CLASS III	62,300	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (340MM)
168	M	600MM RC PIPE CULVERTS, CLASS III	3,450	M2	***MM PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (340MM)
121.2	M	750MM RC PIPE CULVERTS, CLASS III	13,000	M2	***MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (340MM)
87.6	M	900MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
32.4	M	1350MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
97.2	M	****MM RC PIPE CULVERTS, CLASS IV (1050MM)	127	EA	RIGHT OF WAY MARKERS
118.8	M	****MM RC PIPE CULVERTS, CLASS IV (1650MM)	216	M3	SUBDRAIN EXCAVATION
157.2	M	****MM RC PIPE CULVERTS, CLASS IV (750MM)	108	M3	SUBDRAIN FINE AGGREGATE
85.2	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)	260	M	150MM PERFORATED SUBDRAIN PIPE
14.4	M	600MM CS PIPE CULVERTS, 1.63MM THICK	27	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
264	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
			4	M	150MM OUTLET PIPE (SUBDRAINS)
			4,725	M	SHOULDER DRAIN
			4,725	M	100MM SHOULDER DRAIN PIPE
			140	M	100MM OUTLET PIPE (SHOULDER DRAINS)

			8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	
			2	EA	DISPOSAL OF SUPPORT, U-CHANNEL	
10	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	Lump Sum	LS	GENERIC SIGNING ITEM	
20	MTN	BLOTTING SAND			DYNAMIC MESSAGE SIGN BENCH TEST UNIT	
8.6	M3	ENDWALLS	Lump Sum	LS	GENERIC SIGNING ITEM	
8.6	M3	REINFORCED ENDWALLS			DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING	
4.51	M3	PIPE COLLARS	Lump Sum	LS	GENERIC SIGNING ITEM	
99	EA	MASONRY DRAINAGE STRUCTURES			DYNAMIC MESSAGE SIGN SYSTEM "DMS-1"	
2.9	M	MASONRY DRAINAGE STRUCTURES				
26	EA	FRAME WITH TWO GRATES, STD 840.*****(840.20)	Lump Sum	LS	GENERIC SIGNING ITEM	
					DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS	
2	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	GENERIC SIGNING ITEM	
					DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION	
29	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	GENERIC SIGNING ITEM	
					DYNAMIC MESSAGE SIGN SYSTEM NTCIP ACCEPTANCE TESTS	
13	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	GENERIC SIGNING ITEM	
					DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS	
5	EA	FRAME WITH TWO GRATES, STD 840.29	Lump Sum	LS	GENERIC SIGNING ITEM	
					DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS	
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	GENERIC SIGNING ITEM	
					DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS	
10	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	GENERIC SIGNING ITEM	
					OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-1"	
6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	GENERIC SIGNING ITEM	
					OVERHEAD SIGN ASSEMBLY A	
4	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	GENERIC SIGNING ITEM	
					OVERHEAD SIGN ASSEMBLY B	
7	EA	CONCRETE APRON FOR CATCH BASIN	Lump Sum	LS	GENERIC SIGNING ITEM	
2	EA	CONCRETE APRON FOR DROP INLETS			OVERHEAD SIGN ASSEMBLY C	
520	M2	GENERIC DRAINAGE ITEM IMPERMEABLE FABRIC FOR DRAINAGE DITCH LINER	Lump Sum	LS	GENERIC SIGNING ITEM	
					STATIC LIGHTING FOR O/H SIGN ASSEMBLY A	
3,780	M	450MM CONCRETE CURB & GUTTER	Lump Sum	LS	GENERIC SIGNING ITEM	
790	M	750MM CONCRETE CURB & GUTTER			STATIC LIGHTING FOR O/H SIGN ASSEMBLY C	
2	EA	MODIFIED CONCRETE FLUME				
2,170	M	CONCRETE EXPRESSWAY GUTTER	28	M2	WORK ZONE SIGNS (STATIONARY)	
17	M2	100MM CONCRETE PAVED DITCH	24	M2	WORK ZONE SIGNS (PORTABLE)	
915	M2	75MM CONCRETE ISLAND COVERS	12	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	
1,135	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)				
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	1	EA	FLASHING ARROW PANELS, TYPE C	
			1	EA	CHANGEABLE MESSAGE SIGNS	
3,768.09	M	STEEL BM GUARDRAIL	112	EA	DRUMS	
30.48	M	STEEL BM GUARDRAIL, SHOP CURVED	20	EA	CONES	
			90	M	BARRICADES (TYPE III)	
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	60	MD	FLAGGER	
			2	EA	TEMPORARY CRASH CUSHIONS	
10	EA	ADDITIONAL GUARDRAIL POSTS	2	EA	RESET TEMPORARY CRASH CUSHIONS	
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BP-77)	1	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)	
			150	M	PORTABLE CONCRETE BARRIER	
9	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	162	EA	TUBULAR MARKERS (FIXED)	
			8,850	M	GENERIC TRAFFIC CONTROL ITEM POLYUREA PAVEMENT MARKING LINES (100MM)	
23	EA	GUARDRAIL ANCHOR UNITS, TYPE III				
19	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	954	M	GENERIC TRAFFIC CONTROL ITEM POLYUREA PAVEMENT MARKING LINES (200MM)	
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	36	EA	GENERIC TRAFFIC CONTROL ITEM POLYUREA PAVEMENT MARKING CHARACTERS	
1,460	M	DOUBLE FACED CABLE GUIDERAIL				
8	EA	CABLE GUIDERAIL ANCHOR UNITS	13	EA	GENERIC TRAFFIC CONTROL ITEM POLYUREA PAVEMENT MARKING SYMBOLS	
5,100	M	WOVEN WIRE FENCE, 1200MM FABRIC	624	EA	TEMPORARY RAISED PAVEMENT MARKERS	
1,010	EA	100MM TIMBER FENCE POSTS, 2.30M LONG				
375	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	9,371	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	
100	M	ADDITIONAL BARBED WIRE	4,374	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	
300	MTN	PLAIN RIP RAP, CLASS I				
40	MTN	PLAIN RIP RAP, CLASS A	45	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)	
3,010	MTN	PLAIN RIP RAP, CLASS B				
11,030	M2	FILTER FABRIC FOR DRAINAGE	42	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	
22	MTN	GENERIC EROSION CONTROL ITEM BOULDERS	34	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)	
1	M3	PLAIN CONCRETE SIGN FOOTINGS				
122	KG	SUPPORTS, BREAKAWAY STEEL BEAM	44,616	M	PAINT PAVEMENT MARKING LINES (100MM)	
425	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	70	M	PAINT PAVEMENT MARKING LINES (200MM)	
10	EA	SUPPORTS, 3KG STEEL U-CHANNEL				
5	EA	SIGN ERECTION, TYPE D	134	M	PAINT PAVEMENT MARKING LINES (600MM)	
62	EA	SIGN ERECTION, TYPE E	30	EA	PAINT PAVEMENT MARKING SYMBOL	
12	EA	SIGN ERECTION, TYPE F	1,980	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	
2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	344	EA	PERMANENT RAISED PAVEMENT MARKERS	
10	EA	SIGN ERECTION, MILEMARKERS	450	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS	
2	EA	RELOCATE SIGN, TYPE ***** (E)	2	EA	OBJECT MARKERS (END OF ROAD)	
			4,520	M	TEMPORARY SILT FENCE	

2,106.4 M3 CLASS A CONCRETE (CULVERT)
 152,291 KG REINFORCING STEEL (CULVERT)

460	MTN	STONE FOR EROSION CONTROL, CLASS A
12,270	MTN	STONE FOR EROSION CONTROL, CLASS B
4,780	MTN	SEDIMENT CONTROL STONE
49	HA	TEMPORARY MULCHING
3,525	KG	SEED FOR TEMPORARY SEEDING
28.25	MTN	FERTILIZER FOR TEMPORARY SEEDING
380	M	TEMPORARY SLOPE DRAINS
28	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
42,270	M3	SILT EXCAVATION
2,865	M2	SYNTHETIC ROVING
10,270	M2	MATTING FOR EROSION CONTROL
10	M2	PERMANENT SOIL REINFORCEMENT MAT
535	M	6.4MM HARDWARE CLOTH
1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (600MM X 600MM X 600MM)
800	M3	STILLING BASINS
83.5	HA	SEEDING & MULCHING
25.5	HA	MOWING
550	KG	SEED FOR REPAIR SEEDING
2	MTN	FERTILIZER FOR REPAIR SEEDING
2,350	KG	SEED FOR SUPPLEMENTAL SEEDING
140.25	MTN	FERTILIZER TOPDRESSING
0.6	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE)
40	M	IMPERVIOUS DIKE
33	HR	SPECIALIZED HAND MOWING
16	EA	RESPONSE FOR EROSION CONTROL
2,000	M3	CULVERT DIVERSION CHANNEL
1	HA	REFORESTATION
690	M	SIGNAL CABLE
9	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
835	M	TRACER WIRE
1,030	M	TRENCHING (UNPAVED)
390	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (2)
16	EA	JUNCTION BOX (STANDARD SIZE)
9	EA	JUNCTION BOX (OVER-SIZED)
380	M	INDUCTIVE LOOP SAWCUT
630	M	LEAD-IN CABLE
911	M	COMMUNICATIONS CABLE (**FIBER) (12)
888	M	COMMUNICATIONS CABLE (**FIBER) (24)
2	EA	INTERCONNECT CENTER
2	EA	FIBER-OPTIC TRANSCEIVER
9	EA	DELINEATOR MARKER
3	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
3	EA	METAL SIGNAL POLE FOUNDATION
1	EA	SIGNAL PEDESTAL WITH FOUNDATION
4	EA	SIGN FOR SIGNALS
2	EA	SIGNAL CABINET FOUNDATION
2	EA	CABINET BASE ADAPTER
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
6	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 2070L)
2	EA	GENERIC SIGNAL ITEM FOUNDATION W/ WING WALL (TYPE 2)
3	EA	GENERIC SIGNAL ITEM SOIL TEST
10	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION, (1067MM DIA)
5	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION, (1220MM DIA)

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 19+51.883 -L- LT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 28+55.867 -L- LT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 28+55.867 -L- RT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 36+01.949 -L- LT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 36+01.949 -L- RT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 19+51.883 -L- RT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 25+51.408 -L- LT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 25+51.408 -L- RT LN)
19.4	M	***MM DIA DRILLED PIERS IN SOIL (1066MM)
28.5	M	***MM DIA DRILLED PIERS NOT IN SOIL (1066MM)
2	EA	CROSSHOLE SONIC LOGGING
213	M	CSL TUBES
12,067.1	M2	REINFORCED CONCRETE DECK SLAB
11,875.7	M2	GROOVING BRIDGE FLOORS
1,868.7	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+51.883 -L- LT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+51.883 -L- RT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+51.408 -L- LT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (25+51.408 -L- RT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+55.867 -L- LT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (28+55.867 -L- RT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (36+01.949 -L- LT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (36+01.949 -L- RT LN)
167,284	KG	REINFORCING STEEL (BRIDGE)
13,866	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,228.618	M	1372MM PRESTRESSED CONCRETE GIRDERS
880.8	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
1,935.708	M	MODIFIED 1829MM PRESTRESSED CONC GIRDERS
2,636.5	M	HP310X79 STEEL PILES
1,025.378	M	CONCRETE BARRIER RAIL
8,462.2	M2	100MM SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM, STA ***** (25+51.408 -L- LT LN)
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM, STA ***** (25+51.408 -L- RT LN)
176	M	GENERIC STRUCTURE ITEM PILE EXCAVATION IN SOIL
20	M	GENERIC STRUCTURE ITEM PILE EXCAVATION NOT IN SOIL

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (26+74.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (35+14.000 -L-)
993	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 006

CONTRACT ID : C200798 34365.3.43

DIV OFFICE DURHAM

LENGTH = 3.640 KM

COUNTY : DURHAM, WAKE

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

DBE GOAL 10.0% COMPLETION DATE : AUG 01 2007

I-540 (NORTHERN WAKE EXPRESSWAY) FROM RTP EAST LIMITS TO SOUTHWEST OF I-40.

ROADWAY ITEMS					
		25.2	M	1500MM RC PIPE CULVERTS, CLASS III	
		172.8	M	****MM RC PIPE CULVERTS, CLASS IV (450MM)	
Lump Sum	LS	277.2	M	****MM RC PIPE CULVERTS, CLASS IV (600MM)	
Lump Sum	LS	288	M	****MM RC PIPE CULVERTS, CLASS IV (750MM)	
2	HA	387.6	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)	
1	EA			SEALING ABANDONED WELLS	
1,390,000	M3			UNCLASSIFIED EXCAVATION	
Lump Sum	LS	49.2	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+03.129 -YRPB-)	
Lump Sum	LS	19.2	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+81.463 -YCFLY-)	
Lump Sum	LS	15.6	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+47.307 -YBFLY-)	
Lump Sum	LS	9.6	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+30.980 -YCFLY-)	
Lump Sum	LS	2	EA	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+56.309 -YBFLY-)	
Lump Sum	LS	783.6	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+45.990 -YCFLY-)	
Lump Sum	LS	75.6	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (44+57.542 -L- LT.)	
Lump Sum	LS	25.2	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (44+57.542 -L- LT.)	
Lump Sum	LS	32.4	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (44+58.849 -L- RT.)	
Lump Sum	LS	21.6	M	REINFORCED BRIDGE APPROACH FILL, STATION ***** (64+06.300 -L- LT.)	
Lump Sum	LS	38	EA	REINFORCED BRIDGE APPROACH FILL, STATION ***** (64+06.300 -L- LT.)	
Lump Sum	LS	2	EA	REINFORCED BRIDGE APPROACH FILL, STATION ***** (64+10.300 -L- RT.)	
9,500	M3	300	M	UNDERCUT EXCAVATION	
2,000	MTN	Lump Sum	LS	CLASS IV SUBGRADE STABILIZATION	
1,172,000	M3	90,200	M2	BORROW EXCAVATION	
3,021	M3	995	MTN	DRAINAGE DITCH EXCAVATION	
350	M	45	M3	BERM DITCH CONSTRUCTION	
13,300	M2	1,000	MTN	REMOVAL OF EXISTING ASPHALT PAVEMENT	
41	HR	65,500	MTN	PROOF ROLLING	
5,000	M3	135,500	M2	SELECT GRANULAR MATERIAL	
5,000	M2	4,075	MTN	FABRIC FOR SOIL STABILIZATION	
210	M2	1,830	MTN	TEMPORARY SHORING	
108	M2	153,500	L	TEMPORARY SHORING - BARRIER SUPPORTED	
600	M2	100	MTN	GENERIC GRADING ITEM	
		32,600	L	ROCK PLATING	
8,200	MTN	35,200	MTN	SELECT MATERIAL, CLASS II	
1,475	MTN	20,900	MTN	SELECT MATERIAL, CLASS III	
2,000	MTN	7,585	MTN	SELECT MATERIAL, CLASS IV	
2,450	MTN	27,800	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	
14.4	M	4,500	MTN	375MM SIDE DRAIN PIPE	
14.4	M	4,500	MTN	450MM SIDE DRAIN PIPE	
2,720.4	M	4,660	MTN	375MM RC PIPE CULVERTS, CLASS III	
1,051.2	M	293	MTN	450MM RC PIPE CULVERTS, CLASS III	
1,071.6	M	160	MTN	600MM RC PIPE CULVERTS, CLASS III	
297.6	M	141,250	M2	750MM RC PIPE CULVERTS, CLASS III	
50.4	M	3,520	M2	900MM RC PIPE CULVERTS, CLASS III	
186	M			1050MM RC PIPE CULVERTS, CLASS III	
55.2	M			1200MM RC PIPE CULVERTS, CLASS III	
				400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
				450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
				600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
				800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
				1200MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK	
				400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
				450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
				600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
				PIPE REMOVAL	
				FINE GRADING	
				LIME TREATED SOIL (SLURRY METHOD)	
				LIME FOR LIME TREATED SOIL	
				#57 STONE	
				STABILIZER AGGREGATE	
				AGGREGATE BASE COURSE	
				****MM SOIL CEMENT BASE (180MM)	
				PORTLAND CEMENT FOR SOIL CEMENT BASE	
				AGGREGATE FOR SOIL CEMENT BASE	
				ASPHALT CURING SEAL	
				INCIDENTAL STONE BASE	
				PRIME COAT	
				ASPHALT CONC BASE COURSE, TYPE B25.0B	
				ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	
				ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
				ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
				ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
				ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
				ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
				ASPHALT PLANT MIX PAVEMENT REPAIR	
				****MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (340MM)	
				****MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (340MM)	

			10,000	M	WOVEN WIRE FENCE, 1200MM FABRIC
			2,200	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
			435	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	300	M	ADDITIONAL BARBED WIRE
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	120	M	RELAPPING GUARDRAIL
106	EA	RIGHT OF WAY MARKERS	950	MTN	PLAIN RIP RAP, CLASS I
1,175	M3	SUBDRAIN EXCAVATION	245	MTN	PLAIN RIP RAP, CLASS II
590	M3	SUBDRAIN FINE AGGREGATE	1,000	MTN	PLAIN RIP RAP, CLASS A
1,400	M	150MM PERFORATED SUBDRAIN PIPE	1,900	MTN	PLAIN RIP RAP, CLASS B
140	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	9,650	M2	FILTER FABRIC FOR DRAINAGE
10	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	6	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
20	M	150MM OUTLET PIPE (SUBDRAINS)	390	MTN	GENERIC EROSION CONTROL ITEM BOULDERS
9,700	M	SHOULDER DRAIN	2	EA	GENERIC EROSION CONTROL ITEM PERMANENT RISER
9,700	M	100MM SHOULDER DRAIN PIPE	1	M3	PLAIN CONCRETE SIGN FOOTINGS
525	M	100MM OUTLET PIPE (SHOULDER DRAINS)	306	KG	SUPPORTS, BREAKAWAY STEEL BEAM
15	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	694	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
10	MTN	BLOTTING SAND	22	EA	SUPPORTS, 3KG STEEL U-CHANNEL
10	M3	ENDWALLS	5	EA	SIGN ERECTION, TYPE D
5	M3	REINFORCED ENDWALLS	70	EA	SIGN ERECTION, TYPE E
12	M3	PIPE COLLARS	23	EA	SIGN ERECTION, TYPE F
2	M3	PIPE PLUGS	5	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
40	M3	FLOWABLE FILL	22	EA	SIGN ERECTION, MILEMARKERS
200	EA	MASONRY DRAINAGE STRUCTURES	5	EA	RELOCATE SIGN, TYPE ***** (D)
57	M	MASONRY DRAINAGE STRUCTURES	2	EA	RELOCATE SIGN, TYPE ***** (E)
4	EA	FRAME WITH GRATE, DETAIL 840.***** (840.D11)	14	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
37	EA	FRAME WITH TWO GRATES, STD 840.***** (840.20)	5	EA	DISPOSAL OF SUPPORT, U-CHANNEL
12	EA	FRAME WITH TWO GRATES, STD 840.16	Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION
77	EA	FRAME WITH TWO GRATES, STD 840.22	Lump Sum	LS	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING
12	EA	FRAME WITH TWO GRATES, STD 840.24	Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS
6	EA	FRAME WITH TWO GRATES, STD 840.29	Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS
14	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	Lump Sum	LS	DYNAMIC MESSAGE SIGN BENCH TEST UNIT
9	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	Lump Sum	LS	DYNAMIC MESSAGE SIGN NTCIP TESTS
5	EA	FRAME WITH COVER, STD 840.54	Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-2
16	EA	CONCRETE APRON FOR DROP INLETS	Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-3
2,135	M	75MM CONCRETE CURB & GUTTER	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "D"
1,635	M	SHOULDER BERM GUTTER	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "E"
800	M	CONCRETE EXPRESSWAY GUTTER	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "F"
119	M2	100MM CONCRETE SIDEWALK	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "I"
12	M2	CONCRETE WHEELCHAIR RAMPS	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "J"
400	M2	100MM CONCRETE PAVED DITCH	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "K"
60	M2	75MM CONCRETE ISLAND COVERS	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD DMS ASSEMBLY "DMS-2" & "DMS-3"
3,960	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "D"
255	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "E"
4	EA	ADJUSTMENT OF MANHOLES	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "F"
3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "G"
3	EA	IMPACT ATTENUATOR UNIT, TYPE 350	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "H"
6,576.06	M	STEEL BM GUARDRAIL	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "I"
15.24	M	STEEL BM GUARDRAIL, SHOP CURVED	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "J"
3	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "K"
10	EA	ADDITIONAL GUARDRAIL POSTS	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "D"
9	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BP-77)	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "E"
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "F"
20	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "G"
34	EA	GUARDRAIL ANCHOR UNITS, TYPE III	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "H"
25	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "I"
4	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "J"
360	M	REMOVE & STOCKPILE EXISTING GUARDRAIL	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "K"
3,400	M	DOUBLE FACED CABLE GUIDERAIL	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "DMS-2" & "DMS-3"
18	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	GENERIC SIGNING ITEM EBL

			2	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	
			1	EA	BREAK DOWN & REBUILD EXISTING MANHOLE	
Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "DMS-2" & DMS-3" WBL	568	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (600MM, 6.35MM)	
Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "G"	4	EA	GENERIC UTILITY ITEM REMOVE AND STOCKPILE EXISTING FIRE HYDRANT	
Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "H"	54	M3	GENERIC UTILITY ITEM INSTALL CLASS I RIP-RAP BANK STABILIZATION	
	30	M2	WORK ZONE SIGNS (STATIONARY)	6,200	M	TEMPORARY SILT FENCE
	51	M2	WORK ZONE SIGNS (PORTABLE)	1,000	MTN	STONE FOR EROSION CONTROL, CLASS A
	13	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	24,000	MTN	STONE FOR EROSION CONTROL, CLASS B
	200	EA	DRUMS	12,000	MTN	SEDIMENT CONTROL STONE
	20	EA	CONES	92	HA	TEMPORARY MULCHING
	124	M	BARRICADES (TYPE III)	5,000	KG	SEED FOR TEMPORARY SEEDING
	360	MD	FLAGGER	40.25	MTN	FERTILIZER FOR TEMPORARY SEEDING
	2	EA	TEMPORARY CRASH CUSHIONS	1,200	M	TEMPORARY SLOPE DRAINS
	2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)	65	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
	70	M	PORTABLE CONCRETE BARRIER	215,000	M3	SILT EXCAVATION
	49	EA	TUBULAR MARKERS (FIXED)	3,700	M2	SYNTHETIC ROVING
19,399	M	GENERIC TRAFFIC CONTROL ITEM POLYUREA PAVEMENT MARKING LINES (150MM)	17,000	M2	MATTING FOR EROSION CONTROL	
1,940	M	GENERIC TRAFFIC CONTROL ITEM POLYUREA PAVEMENT MARKING LINES (300MM)	3,100	M2	PERMANENT SOIL REINFORCEMENT MAT	
	6	EA	GENERIC TRAFFIC CONTROL ITEM POLYUREA MARKING SYMBOLS	700	M	6.4MM HARDWARE CLOTH
	192	EA	TEMPORARY RAISED PAVEMENT MARKERS	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (600MM X 600MM X 600MM)
17,051	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	1	EA	***X ***X***MM PERFORATED CS PIPE TEE RISER, 2.01MM THICK (900MM X 900MM X 900MM)	
4,165	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 2.77MM THICK (1200MM X 1200MM X 1200MM)	
	582	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)	3,630	M3	STILLING BASINS
	82	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	119	HA	SEEDING & MULCHING
	8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)	50	HA	MOWING
	55	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)	1,100	KG	SEED FOR REPAIR SEEDING
	28,096	M	PAINT PAVEMENT MARKING LINES (100MM)	3.75	MTN	FERTILIZER FOR REPAIR SEEDING
	600	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	3,350	KG	SEED FOR SUPPLEMENTAL SEEDING
	645	EA	PERMANENT RAISED PAVEMENT MARKERS	199.75	MTN	FERTILIZER TOPDRESSING
1,138	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS	1.3	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE)	
	41	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)	140	M	IMPERVIOUS DIKE
	41	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)	70	HR	SPECIALIZED HAND MOWING
	6	M3	CLASS B CONCRETE FOR ENCASING UTILITY LINES	40	EA	RESPONSE FOR EROSION CONTROL
	56	M	150MM DI WATER PIPE, PC 2.41MPA	2,000	M3	CULVERT DIVERSION CHANNEL
1,364	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	2.5	HA	REFORESTATION	
	2	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	1.43	HA	STREAMBANK REFORESTATION
	2	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (400MM X 150MM, 1.38MPA)	700	M2	GENERIC EROSION CONTROL ITEM COIR FIBER MAT
	2	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (400MM X 400MM, 1.38MPA)	470	M	SIGNAL CABLE
	2	EA	***MM BLOW OFF ASSEMBLY (50MM)	15	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
	4	EA	RELOCATE EXISTING FIRE HYDRANT	4	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
	2	EA	***MM LINE STOP ASSEMBLY (400MM)	10	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD
360	M	***MM DI SEWER PIPE, PC ****MPA (600MM, 2.41MPA)	888	M	MESSENGER CABLE (6.35MM)	
	4	EA	1500MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	35	M	MESSENGER CABLE (9.52MM)
	26	M	PRECAST CONC MANHOLE WALL, ***** DIA, OVER 1.8M HT (1500MM)	7,718	M	TRACER WIRE
445	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC SEWER)	135	M	TRENCHING (UNPAVED)	
	312	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)	574	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (2)
				1,034	M	DIRECTIONAL DRILL OUTER-DUCT CONDUIT, 125MM
				5,767	M	TRENCH MULTI-DUCT, 31.75MM (** CONDUIT) (4)
				1,034	M	MULTI-DUCT, 31.75MM IN OUTER-DUCT (** CONDUIT) (4)
				9	EA	JUNCTION BOX (STANDARD SIZE)
				2	EA	WOOD POLE
				7	EA	GUY ASSEMBLY
				7	EA	50MM RISER WITH HEAT SHRINK TUBING
				740	M	INDUCTIVE LOOP SAWCUT
				310	M	LEAD-IN CABLE
				1,855	M	COMMUNICATIONS CABLE (**FIBER) (12)
				7,318	M	COMMUNICATIONS CABLE (**FIBER) (72)
				282	M	DROP CABLE
				5	EA	AERIAL SPLICE ENCLOSURE
				9	EA	INTERCONNECT CENTER

			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 22+90.190 -YCFLY-)
2	EA	FIBER-OPTIC TRANSCEIVER			
53	EA	DELINEATOR MARKER			
1	EA	FURNISH FIBER-OPTIC TRANSCEIVER			
7	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE			
7	EA	METAL SIGNAL POLE FOUNDATION			
1	EA	MAST ARM WITH METAL POLE DESIGN			
12	EA	SIGN FOR SIGNALS			
2	EA	SIGNAL CABINET FOUNDATION			
2	EA	CONTROLLER WITH CABINET (TYPE 170E, BASE MOUNTED)			
3	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY			
3	EA	GENERIC SIGNAL ITEM CCTV METAL POLE			
11	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 170)	48.5	M	****MM DIA DRILLED PIERS IN SOIL (1066MM)
6	EA	GENERIC SIGNAL ITEM FIBER OPTIC DATA TRANSCEIVER (FOT)	45.8	M	****MM DIA DRILLED PIERS IN SOIL (1372MM)
6	EA	GENERIC SIGNAL ITEM FOUNDATION W/ WING WALL (TYPE 2)	19	M	****MM DIA DRILLED PIERS NOT IN SOIL (1066MM)
1	EA	GENERIC SIGNAL ITEM FURNISH FIBER OPTIC DATA TRANSCEIVER (FOT)	31	M	****MM DIA DRILLED PIERS NOT IN SOIL (1372MM)
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO OPTICAL TRANSMITTER (VOT-D)	5	EA	CROSSHOLE SONIC LOGGING
			704.2	M	CSL TUBES
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO OPTICAL RECEIVER (VOR-D)	16,273.2	M2	REINFORCED CONCRETE DECK SLAB
			15,067.2	M2	GROOVING BRIDGE FLOORS
			1,112.4	M3	CLASS AA CONCRETE (BRIDGE)
51	EA	GENERIC SIGNAL ITEM JUNCTION BOX (OVER-SIZED)	1,700.5	M3	CLASS A CONCRETE (BRIDGE)
7	EA	GENERIC SIGNAL ITEM SOIL TEST	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+04.478 -YRPB-)
3	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL RECEIVER (VOR-D)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+79.055 -YCFLY-)
3	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL TRANSMITTER (VOT-D)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+24.230 -YCFLY-)
Lump Sum	LS	GENERIC SIGNAL ITEM CCTV SYSTEM INTEGRATION	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+90.190 -YCFLY-)
15	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1067MM DIAMETER)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (30+74.741 -Y-)
15	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1220MM DIAMETER)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+57.995 -L- LT LN)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+57.995 -L- RT LN)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (46+63.359 -L-)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (64+45.173 -L- LT LN)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (64+45.173 -L- RT LN)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+40.000 -Y19REV-)	283,816	KG	REINFORCING STEEL (BRIDGE)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (13+40.000 -Y19REV-)	12,577	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (15+60.000 -YCFLY-)	1,231.955	M	MODIFIED 1600MM PRESTRESSED CONC GIRDBERS
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (15+67.000 -YBFLY-)	2,621,630	LS	APPROX KG STRUCTURAL STEEL
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (23+97.000 -YCFLY-)	3,843.5	M	HP310X79 STEEL PILES
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+26.000 -L-)	128	M	HP360X108 STEEL PILES
2,950	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	24	EA	STEEL PILE POINTS
7,133.9	M3	CLASS A CONCRETE (CULVERT)	2,021.458	M	CONCRETE BARRIER RAIL
546,550	KG	REINFORCING STEEL (CULVERT)	6,015	M2	100MM SLOPE PROTECTION
130	MTN	PLAIN RIP RAP, CLASS ** (I)	Lump Sum	LS	POT BEARINGS
134	M2	FILTER FABRIC FOR DRAINAGE	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 ***** (64+45.173 -L- LT LN)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 14+04.478 -YRPB-)			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 19+24.230 -YCFLY-)			

CULVERT ITEMS

STRUCTURE ITEMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 007

CONTRACT ID : C200799 34365.3.44

DIV OFFICE DURHAM

LENGTH = 1.706 KM

COUNTY : DURHAM, WAKE

GRADING, DRAINAGE, PAVING, SIGNING & STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : MAY 15 2007

I-540 (N WAKE EXPRESSWAY) FROM 0.9 KM SW OF I-40 TO 0.7 KM NE OF I-40.

ROADWAY ITEMS					
			6,620	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
			22,400	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
Lump Sum	LS	MOBILIZATION	1,055	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
Lump Sum	LS	CONSTRUCTION SURVEYING	3,950	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	7,555	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D
0.8	HA	SUPPLEMENTARY CLEARING & GRUBBING	1,125	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5A
79,700	M3	UNCLASSIFIED EXCAVATION	2,645	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+79.303-Y2-)	4,120	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (83+27.998-L-)	6,425	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5D
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (83+32.410-L-)	1,725	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
27,800	M3	UNDERCUT EXCAVATION	625	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
1,000	MTN	CLASS IV SUBGRADE STABILIZATION	355	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
325,500	M3	BORROW EXCAVATION	100	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
4,115	M3	DRAINAGE DITCH EXCAVATION	29,940	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (340MM)
7,390	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	5,970	M2	***MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (340MM)
910	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
30	HR	PROOF ROLLING	Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
2,000	M3	SELECT GRANULAR MATERIAL	15	EA	RIGHT OF WAY MARKERS
2,000	M2	FABRIC FOR SOIL STABILIZATION	414	M3	SUBDRAIN EXCAVATION
1,526	M3	GENERIC GRADING ITEM MODIFIED BORROW MATERIAL	207	M3	SUBDRAIN FINE AGGREGATE
786.4	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	500	M	150MM PERFORATED SUBDRAIN PIPE
550.8	M	375MM RC PIPE CULVERTS, CLASS III	50	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
398.4	M	450MM RC PIPE CULVERTS, CLASS III	4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
464.4	M	600MM RC PIPE CULVERTS, CLASS III	8	M	150MM OUTLET PIPE (SUBDRAINS)
248.4	M	750MM RC PIPE CULVERTS, CLASS III	4,790	M	SHOULDER DRAIN
327.6	M	900MM RC PIPE CULVERTS, CLASS III	4,790	M	100MM SHOULDER DRAIN PIPE
79.2	M	1200MM RC PIPE CULVERTS, CLASS III	240	M	100MM OUTLET PIPE (SHOULDER DRAINS)
154.8	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	11	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
183.6	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	5	MTN	BLOTTING SAND
20	EA	300MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	2.6	M3	ENDWALLS
15	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	2	M3	PIPE COLLARS
35	M	PIPE REMOVAL	1	M3	PIPE PLUGS
130	M2	150MM SLOPE PROTECTION	48	EA	MASONRY DRAINAGE STRUCTURES
Lump Sum	LS	FINE GRADING	33.98	M	MASONRY DRAINAGE STRUCTURES
31,700	M2	LIME TREATED SOIL (SLURRY METHOD)	15	EA	FRAME WITH TWO GRATES, STD 840 ***** (840.20)
350	MTN	LIME FOR LIME TREATED SOIL	28	EA	FRAME WITH TWO GRATES, STD 840.22
500	MTN	STABILIZER AGGREGATE	3	EA	FRAME WITH TWO GRATES, STD 840.24
18,700	MTN	AGGREGATE BASE COURSE	2	EA	FRAME WITH TWO GRATES, STD 840.29
13,740	MTN	AGGREGATE FOR CEMENT TREATED BASE COURSE	1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
555	MTN	PORTLAND CEMENT FOR CEMENT TREATED BASE COURSE	3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
47,550	M2	***MM SOIL CEMENT BASE (180MM)	6	EA	GENERIC DRAINAGE ITEM REMOVE & REPLACE EXISTING BACK-FILL MATERIAL AT DROP INLETS
1,450	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	580	M	750MM CONCRETE CURB & GUTTER
650	MTN	AGGREGATE FOR SOIL CEMENT BASE	685	M	SHOULDER BERM GUTTER
73,150	L	ASPHALT CURING SEAL	1	EA	MODIFIED CONCRETE FLUME
50	MTN	INCIDENTAL STONE BASE	1,290	M	CONCRETE EXPRESSWAY GUTTER
1,900	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (460MM)	390	M2	100MM CONCRETE PAVED DITCH
4,520	M2	MILLING ASPHALT PAVEMENT, *** TO ****MM DEPTH (40MM TO 70MM)			

			Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-5
			Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-6
70	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED			
2	EA	IMPACT ATTENUATOR UNIT, TYPE 350	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR O/H SIGN AS- SEMBLY M
3,006.09	M	STEEL BM GUARDRAIL			
26.67	M	STEEL BM GUARDRAIL, SHOP CURVED	Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR O/H SIGN AS- SEMBLY N
2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS	Lump Sum	LS	GENERIC SIGNING ITEM O/H DYNAMIC MESSAGE SIGN AS- SEMBLY DMS-4
10	EA	ADDITIONAL GUARDRAIL POSTS			
2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BP-77)	Lump Sum	LS	GENERIC SIGNING ITEM O/H DYNAMIC MESSAGE SIGN AS- SEMBLY DMS-5
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	Lump Sum	LS	GENERIC SIGNING ITEM O/H DYNAMIC MESSAGE SIGN AS- SEMBLY DMS-6
14	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1			
10	EA	GUARDRAIL ANCHOR UNITS, TYPE III	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY M
16	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY N
13	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY O
1,320	M	REMOVE EXISTING GUARDRAIL	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P
8,400	M	DOUBLE FACED CABLE GUIDERAIL			
34	EA	CABLE GUIDERAIL ANCHOR UNITS	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR O/H SIGN ASSEMBLY DMS-4
2,450	M	WOVEN WIRE FENCE, 1200MM FAB- RIC			
547	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR O/H SIGN ASSEMBLY DMS-5
73	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	58	M2	WORK ZONE SIGNS (STATIONARY)
31	MTN	PLAIN RIP RAP, CLASS I	32	M2	WORK ZONE SIGNS (PORTABLE)
16	MTN	PLAIN RIP RAP, CLASS B	94	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
2,025	M2	FILTER FABRIC FOR DRAINAGE	2	EA	FLASHING ARROW PANELS, TYPE C
5	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON	2	EA	CHANGEABLE MESSAGE SIGNS
2	M3	REINFORCED CONCRETE SIGN FOOT- INGS	12	EA	WARNING FLAG SETS
2	M3	PLAIN CONCRETE SIGN FOOTINGS	150	EA	DRUMS
751	KG	SUPPORTS, BREAKAWAY STEEL BEAM	48	M	BARRICADES (TYPE III)
907	KG	SUPPORTS, SIMPLE STEEL BEAM	5	MD	FLAGGER
182	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	3	EA	TEMPORARY CRASH CUSHIONS
7	EA	SUPPORTS, 3KG STEEL U-CHANNEL	2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)
4	EA	SIGN ERECTION, TYPE D	1,110	M	PORTABLE CONCRETE BARRIER
17	EA	SIGN ERECTION, TYPE E	840	M	REMOVABLE TAPE PAVEMENT MARK- ING LINES (100MM)
1	EA	SIGN ERECTION, TYPE F	35	EA	TEMPORARY RAISED PAVEMENT MARKERS
13	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (A)	3,079	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
2	EA	SIGN ERECTION, TYPE *** (OVER- HEAD) (B)	106	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
7	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	514	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
7	EA	SIGN ERECTION, MILEMARKERS	8,323	M	PAINT PAVEMENT MARKING LINES (100MM)
1	EA	SIGN ERECTION, OVERLAY (OVER- HEAD)	8,789	M	GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES (150MM)
2	EA	RELOCATE SIGN, TYPE ***** (A)	368	M	GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES (200MM)
2	EA	RELOCATE SIGN, TYPE ***** (B)	536	M	GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES (300MM)
4	EA	DISPOSAL OF SUPPORT, STEEL BEAM	148	EA	PERMANENT RAISED PAVEMENT MARKERS
4	EA	DISPOSAL OF SIGN SYSTEM, OVER- HEAD	358	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	6	EA	30.5M HIGH MOUNT STANDARD
13	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	2	EA	36.5M HIGH MOUNT STANDARD
4	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	33.4	M3	HIGH MOUNT FOUNDATIONS
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION	36	EA	HIGH MOUNT LUMINAIRES ***** (1KW HPS)
Lump Sum	LS	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING	1	EA	ELECTRIC SERVICE POLES *** ***** (9.1m CLASS 4)
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS	50	M	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS	2	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS	73	M	ELECTRICAL DUCT, TYPE BD, SIZE **** (TS2")
Lump Sum	LS	DYNAMIC MESSAGE SIGN BENCH TEST UNIT	15	M	ELECTRICAL DUCT, TYPE BD, SIZE **** (TS3")
Lump Sum	LS	DYNAMIC MESSAGE SIGN NTCIP TESTS	172	M	ELECTRICAL DUCT, TYPE JA, SIZE **** (TS2")

			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (75+75.400 -L-)
			482	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
98	M	ELECTRICAL DUCT, TYPE JA, SIZE **** (TS3")	782.2	M3	CLASS A CONCRETE (CULVERT)
			60,875	KG	REINFORCING STEEL (CULVERT)
141	M	***#8 W/G FEEDER CIRCUIT (2)	37	MTN	PLAIN RIP RAP, CLASS ** (I)
85	M	***#6 W/G FEEDER CIRCUIT (2)	38	M2	FILTER FABRIC FOR DRAINAGE
333	M	***#4 W/G FEEDER CIRCUIT (2)			
163	M	***#2 W/G FEEDER CIRCUIT (2)			
290	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)			
429	M	***#6 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)			
970	M	***#4 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)			
250	M	***#2 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)			
11	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)			
8	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)			
8	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)			
4	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH			
7	M	PRECAST CONC MANHOLE WALL, *****MM DIA, OVER 1.8M HT (1200MM)			
142	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (VC SEWER)			
3	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE			
116	M	***MM STEEL ENCASEMENT PIPE, *****MM THICK, BY OPEN CUT (600MM, 6.35MM)			
125	M	***MM STEEL ENCASEMENT PIPE, *****MM THICK, BY OPEN CUT (750MM, 7.92MM)			
140	M	GENERIC UTILITY ITEM 300MM DI SEWER PIPE, PC 2.41MPA			
2,000	M	TEMPORARY SILT FENCE			
700	MTN	STONE FOR EROSION CONTROL, CLASS A			
6,000	MTN	STONE FOR EROSION CONTROL, CLASS B			
2,500	MTN	SEDIMENT CONTROL STONE			
24.5	HA	TEMPORARY MULCHING			
1,325	KG	SEED FOR TEMPORARY SEEDING			
10.75	MTN	FERTILIZER FOR TEMPORARY SEEDING			
650	M	TEMPORARY SLOPE DRAINS			
40	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS			
28,000	M3	SILT EXCAVATION			
1,700	M2	SYNTHETIC ROVING			
8,300	M2	MATTING FOR EROSION CONTROL			
400	M	6.4MM HARDWARE CLOTH			
60	M	***MM TEMPORARY PIPE (450MM)			
450	M3	STILLING BASINS			
31.5	HA	SEEDING & MULCHING			
13.5	HA	MOWING			
300	KG	SEED FOR REPAIR SEEDING			
1	MTN	FERTILIZER FOR REPAIR SEEDING			
900	KG	SEED FOR SUPPLEMENTAL SEEDING			
52.75	MTN	FERTILIZER TOPDRESSING			
1.4	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE)			
100	M	IMPERVIOUS DIKE			
60	HR	SPECIALIZED HAND MOWING			
20	EA	RESPONSE FOR EROSION CONTROL			
800	M3	CULVERT DIVERSION CHANNEL			
1.5	HA	REFORESTATION			

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 79+16.544 -L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 79+16.544 -L-)
4,675.1	M2	REINFORCED CONCRETE DECK SLAB
4,306.4	M2	GROOVING BRIDGE FLOORS
445.2	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (79+16.544 -L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (83+30.193 -L- LT LN)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (83+30.193 -L- RT LN)
43,334	KG	REINFORCING STEEL (BRIDGE)
838,550	LS	APPROX KG STRUCTURAL STEEL
872	M	HP310X79 STEEL PILES
204.663	M	TWO BAR METAL RAIL
335.776	M	CONCRETE BARRIER RAIL
209.311	M	*** X ***MM CONCRETE PARAPET (355MM X 760MM)
1,850	M2	100MM SLOPE PROTECTION
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (30+20.889 -Y3-)
----------	----	---

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 008

CONTRACT ID : C200993 34365.3.43

DIV OFFICE DURHAM

LENGTH = 5.346 KM

COUNTY : DURHAM, WAKE

WIDENING, GRADING, DRAINAGE, PAVING, SIGNING, SIGNAL & STRS.

DBE GOAL 10.0% COMPLETION DATE : AUG 01 2007

I-540 (N WAKE EXPRESSWAY) FROM RESEARCH TRIANGLE PARK EAST LIMITS TO 0.7KM NORTHEAST OF I-40.

ROADWAY ITEMS							
				1,449.6	M	450MM RC PIPE CULVERTS, CLASS III	
				1,536	M	600MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	MOBILIZATION		546	M	750MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	CONSTRUCTION SURVEYING		378	M	900MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM CRITICAL PATH METHOD SCHEDULE		186	M	1050MM RC PIPE CULVERTS, CLASS III	
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)		134.4	M	1200MM RC PIPE CULVERTS, CLASS III	
2.8	HA	SUPPLEMENTARY CLEARING & GRUBBING		25.2	M	1500MM RC PIPE CULVERTS, CLASS III	
1	EA	SEALING ABANDONED WELLS		172.8	M	****MM RC PIPE CULVERTS, CLASS IV (450MM)	
1,469,700	M3	UNCLASSIFIED EXCAVATION		277.2	M	****MM RC PIPE CULVERTS, CLASS IV (600MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (13+79.303-Y2-)		288	M	****MM RC PIPE CULVERTS, CLASS IV (750MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+03.129 -YRPB-)		387.6	M	****MM RC PIPE CULVERTS, CLASS IV (900MM)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+81.463 -YCFLY-)		49.2	M	***MM CS PIPE CULVERTS, ****MM THICK (1000MM, 2.77MM THICK)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (17+47.307 -YBFLY-)		19.2	M	***MM CS PIPE CULVERTS, ****MM THICK (1200MM, 2.77MM THICK)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (19+30.980 -YCFLY-)		15.6	M	***MM CS PIPE CULVERTS, ****MM THICK (900MM, 2.01MM THICK)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (22+45.990 -YCFLY-)		9.6	M	600MM CS PIPE CULVERTS, 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (44+57.542 -L- LT.)		2	EA	***MM CS PIPE ELBOWS, ****MM THICK (1000MM, 2.77MM THICK)	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (44+58.849 -L- RT.)		154.8	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (64+06.300 -L- LT.)		967.2	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (64+10.300 -L- RT.)		75.6	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (83+27.998-L-)		25.2	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (83+32.410-L-)		32.4	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
37,300	M3	UNDERCUT EXCAVATION		21.6	M	1200MM BIT COAT CS PIPE CULVERTS, TYPE B 2.77MM THICK	
3,000	MTN	CLASS IV SUBGRADE STABILIZATION		20	EA	300MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
1,497,500	M3	BORROW EXCAVATION		53	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
7,136	M3	DRAINAGE DITCH EXCAVATION		2	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
350	M	BERM DITCH CONSTRUCTION		2	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
20,690	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT		335	M	PIPE REMOVAL	
910	M2	BREAKING OF EXISTING ASPHALT PAVEMENT		130	M2	150MM SLOPE PROTECTION	
71	HR	PROOF ROLLING		Lump Sum	LS	FINE GRADING	
7,000	M3	SELECT GRANULAR MATERIAL		121,900	M2	LIME TREATED SOIL (SLURRY METHOD)	
7,000	M2	FABRIC FOR SOIL STABILIZATION		1,345	MTN	LIME FOR LIME TREATED SOIL	
210	M2	TEMPORARY SHORING		45	M3	#57 STONE	
108	M2	TEMPORARY SHORING - BARRIER SUPPORTED		1,500	MTN	STABILIZER AGGREGATE	
1,526	M3	GENERIC GRADING ITEM MODIFIED BORROW MATERIAL		84,200	MTN	AGGREGATE BASE COURSE	
600	M2	GENERIC GRADING ITEM ROCK PLATING		13,740	MTN	AGGREGATE FOR CEMENT TREATED BASE COURSE	
8,200	MTN	SELECT MATERIAL, CLASS II		555	MTN	PORTLAND CEMENT FOR CEMENT TREATED BASE COURSE	
1,475	MTN	SELECT MATERIAL, CLASS III		183,050	M2	****MM SOIL CEMENT BASE (180MM)	
2,000	MTN	SELECT MATERIAL, CLASS IV		5,525	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	
3,236.4	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS		2,480	MTN	AGGREGATE FOR SOIL CEMENT BASE	
14.4	M	375MM SIDE DRAIN PIPE		226,650	L	ASPHALT CURING SEAL	
14.4	M	450MM SIDE DRAIN PIPE		150	MTN	INCIDENTAL STONE BASE	
3,271.2	M	375MM RC PIPE CULVERTS, CLASS III		32,600	L	PRIME COAT	

			2,715	M	750MM CONCRETE CURB & GUTTER
			2,320	M	SHOULDER BERM GUTTER
			1	EA	MODIFIED CONCRETE FLUME
1,900	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (460MM)	2,090	M	CONCRETE EXPRESSWAY GUTTER
			119	M2	100MM CONCRETE SIDEWALK
4,520	M2	MILLING ASPHALT PAVEMENT, *** TO ***MM DEPTH (40MM TO 70MM)	12	M2	CONCRETE WHEELCHAIR RAMPS
			790	M2	100MM CONCRETE PAVED DITCH
41,820	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	60	M2	75MM CONCRETE ISLAND COVERS
			3,960	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)
22,400	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	325	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
21,955	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	4	EA	ADJUSTMENT OF MANHOLES
			3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
11,535	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	5	EA	IMPACT ATTENUATOR UNIT, TYPE 350
7,555	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D	9,582.15	M	STEEL BM GUARDRAIL
1,125	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5A	41.91	M	STEEL BM GUARDRAIL, SHOP CURVED
30,445	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	5	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
8,620	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	20	EA	ADDITIONAL GUARDRAIL POSTS
6,425	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5D	11	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BP-77)
6,385	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
918	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	34	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
355	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	44	EA	GUARDRAIL ANCHOR UNITS, TYPE III
260	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR	41	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
171,190	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (340MM)	17	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
			1,320	M	REMOVE EXISTING GUARDRAIL
9,490	M2	***MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (340MM)	360	M	REMOVE & STOCKPILE EXISTING GUARDRAIL
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT	11,800	M	DOUBLE FACED CABLE GUIDERAIL
			52	EA	CABLE GUIDERAIL ANCHOR UNITS
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT	12,450	M	WOVEN WIRE FENCE, 1200MM FABRIC
121	EA	RIGHT OF WAY MARKERS	2,747	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
1,589	M3	SUBDRAIN EXCAVATION	508	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
797	M3	SUBDRAIN FINE AGGREGATE	300	M	ADDITIONAL BARBED WIRE
1,900	M	150MM PERFORATED SUBDRAIN PIPE	120	M	RELAPPING GUARDRAIL
190	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	981	MTN	PLAIN RIP RAP, CLASS I
			245	MTN	PLAIN RIP RAP, CLASS II
14	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	1,000	MTN	PLAIN RIP RAP, CLASS A
28	M	150MM OUTLET PIPE (SUBDRAINS)	1,916	MTN	PLAIN RIP RAP, CLASS B
14,490	M	SHOULDER DRAIN	11,675	M2	FILTER FABRIC FOR DRAINAGE
14,490	M	100MM SHOULDER DRAIN PIPE	11	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
765	M	100MM OUTLET PIPE (SHOULDER DRAINS)	390	MTN	GENERIC EROSION CONTROL ITEM BOULDERS
26	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	2	EA	GENERIC EROSION CONTROL ITEM PERMANENT RISER
15	MTN	BLOTTING SAND	2	M3	REINFORCED CONCRETE SIGN FOOTINGS
12.6	M3	ENDWALLS	3	M3	PLAIN CONCRETE SIGN FOOTINGS
5	M3	REINFORCED ENDWALLS	1,057	KG	SUPPORTS, BREAKAWAY STEEL BEAM
14	M3	PIPE COLLARS	907	KG	SUPPORTS, SIMPLE STEEL BEAM
3	M3	PIPE PLUGS	876	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
40	M3	FLOWABLE FILL	29	EA	SUPPORTS, 3KG STEEL U-CHANNEL
248	EA	MASONRY DRAINAGE STRUCTURES	9	EA	SIGN ERECTION, TYPE D
90.98	M	MASONRY DRAINAGE STRUCTURES	87	EA	SIGN ERECTION, TYPE E
4	EA	FRAME WITH GRATE, DETAIL 840.***** (840.D11)	24	EA	SIGN ERECTION, TYPE F
			13	EA	SIGN ERECTION, TYPE *** (OVER-HEAD) (A)
52	EA	FRAME WITH TWO GRATES, STD 840.***** (840.20)	2	EA	SIGN ERECTION, TYPE *** (OVER-HEAD) (B)
12	EA	FRAME WITH TWO GRATES, STD 840.16	12	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
105	EA	FRAME WITH TWO GRATES, STD 840.22	29	EA	SIGN ERECTION, MILEMARKERS
15	EA	FRAME WITH TWO GRATES, STD 840.24	1	EA	SIGN ERECTION, OVERLAY (OVER-HEAD)
8	EA	FRAME WITH TWO GRATES, STD 840.29	2	EA	RELOCATE SIGN, TYPE ***** (A)
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	2	EA	RELOCATE SIGN, TYPE ***** (B)
15	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	5	EA	RELOCATE SIGN, TYPE ***** (D)
12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	2	EA	RELOCATE SIGN, TYPE ***** (E)
5	EA	FRAME WITH COVER, STD 840.54	4	EA	DISPOSAL OF SUPPORT, STEEL BEAM
16	EA	CONCRETE APRON FOR DROP INLETS	4	EA	DISPOSAL OF SIGN SYSTEM, OVER-HEAD
6	EA	GENERIC DRAINAGE ITEM REMOVE & REPLACE EXISTING BACK-FILL MATERIAL AT DROP INLETS			

			Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR O/H SIGN ASSEMBLY DMS-4
2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR O/H SIGN ASSEMBLY DMS-5
27	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "DMS-2" & DMS-3" EBL
5	EA	DISPOSAL OF SUPPORT, U-CHANNEL	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "DMS-2" & DMS-3" WBL
4	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "G"
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION	Lump Sum	LS	GENERIC SIGNING ITEM STATIC LIGHTING FOR OVERHEAD SIGN ASSEMBLY "H"
Lump Sum	LS	DYNAMIC MESSAGE SIGN MAINTENANCE TRAINING	Lump Sum	LS	88 M2 WORK ZONE SIGNS (STATIONARY)
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS	Lump Sum	LS	83 M2 WORK ZONE SIGNS (PORTABLE)
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS	Lump Sum	LS	107 M2 WORK ZONE SIGNS (BARRICADE MOUNTED)
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS	Lump Sum	LS	2 EA FLASHING ARROW PANELS, TYPE C
Lump Sum	LS	DYNAMIC MESSAGE SIGN BENCH TEST UNIT	Lump Sum	LS	2 EA CHANGEABLE MESSAGE SIGNS
Lump Sum	LS	DYNAMIC MESSAGE SIGN NTCIP TESTS	Lump Sum	LS	12 EA WARNING FLAG SETS
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-2	Lump Sum	LS	350 EA DRUMS
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-3	Lump Sum	LS	20 EA CONES
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-4	Lump Sum	LS	172 M BARRICADES (TYPE III)
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-5	Lump Sum	LS	365 MD FLAGGER
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-6	Lump Sum	LS	5 EA TEMPORARY CRASH CUSHIONS
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DMS-6	Lump Sum	LS	4 EA TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR O/H SIGN AS- SEMBLY M	Lump Sum	LS	1,180 M PORTABLE CONCRETE BARRIER
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR O/H SIGN AS- SEMBLY N	Lump Sum	LS	49 EA TUBULAR MARKERS (FIXED)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "D"	Lump Sum	LS	840 M REMOVABLE TAPE PAVEMENT MARK- ING LINES (100MM)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "E"	Lump Sum	LS	227 EA TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "F"	Lump Sum	LS	20,130 M THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "I"	Lump Sum	LS	4,271 M THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "J"	Lump Sum	LS	1,096 M THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "K"	Lump Sum	LS	82 M THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
Lump Sum	LS	GENERIC SIGNING ITEM O/H DYNAMIC MESSAGE SIGN AS- SEMBLY DMS-4	Lump Sum	LS	8 EA THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
Lump Sum	LS	GENERIC SIGNING ITEM O/H DYNAMIC MESSAGE SIGN AS- SEMBLY DMS-5	Lump Sum	LS	55 EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
Lump Sum	LS	GENERIC SIGNING ITEM O/H DYNAMIC MESSAGE SIGN AS- SEMBLY DMS-6	Lump Sum	LS	36,419 M PAINT PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD DMS ASSEMBLY "DMS-2" & "DMS-3"	Lump Sum	LS	600 M REMOVAL OF PAVEMENT MARKING LINES (100MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "D"	Lump Sum	LS	28,188 M GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "E"	Lump Sum	LS	368 M GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES (200MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "F"	Lump Sum	LS	2,476 M GENERIC PAVEMENT MARKING ITEM POLYUREA PAVEMENT MARKING LINES (300MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "G"	Lump Sum	LS	6 EA GENERIC PAVEMENT MARKING ITEM POLYUREA MARKING SYMBOLS
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "H"	Lump Sum	LS	793 EA PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "I"	Lump Sum	LS	1,496 EA SNOWPLOWABLE RAISED PAVEMENT MARKERS
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "J"	Lump Sum	LS	6 EA 30.5M HIGH MOUNT STANDARD
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "K"	Lump Sum	LS	2 EA 36.5M HIGH MOUNT STANDARD
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY M	Lump Sum	LS	33.4 M3 HIGH MOUNT FOUNDATIONS
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY N	Lump Sum	LS	36 EA HIGH MOUNT LUMINAIRES ***** (1KW HPS)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY O	Lump Sum	LS	1 EA ELECTRIC SERVICE POLES *** ***** (9.1m CLASS 4)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P	Lump Sum	LS	50 M ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P	Lump Sum	LS	2 EA LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P	Lump Sum	LS	73 M ELECTRICAL DUCT, TYPE BD, SIZE **** (TS2")
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P	Lump Sum	LS	15 M ELECTRICAL DUCT, TYPE BD, SIZE **** (TS3")
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P	Lump Sum	LS	172 M ELECTRICAL DUCT, TYPE JA, SIZE **** (TS2")
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY P	Lump Sum	LS	98 M ELECTRICAL DUCT, TYPE JA, SIZE **** (TS3")

			14,500	MTN	SEDIMENT CONTROL STONE
			116.5	HA	TEMPORARY MULCHING
			6,325	KG	SEED FOR TEMPORARY SEEDING
141	M	***#8 W/G FEEDER CIRCUIT (2)	51	MTN	FERTILIZER FOR TEMPORARY SEEDING
85	M	***#6 W/G FEEDER CIRCUIT (2)	1,850	M	TEMPORARY SLOPE DRAINS
333	M	***#4 W/G FEEDER CIRCUIT (2)	105	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
163	M	***#2 W/G FEEDER CIRCUIT (2)	243,000	M3	SILT EXCAVATION
290	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	5,400	M2	SYNTHETIC ROVING
429	M	***#6 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	25,300	M2	MATTING FOR EROSION CONTROL
970	M	***#4 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	3,100	M2	PERMANENT SOIL REINFORCEMENT MAT
250	M	***#2 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	1,100	M	6.4MM HARDWARE CLOTH
11	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)	60	M	***MM TEMPORARY PIPE (450MM)
49	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (600MM X 600MM X 600MM)
49	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)	1	EA	***X ***X***MM PERFORATED CS PIPE TEE RISER, 2.01MM THICK (900MM X 900MM X 900MM)
6	M3	CLASS B CONCRETE FOR ENCASING UTILITY LINES	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 2.77MM THICK (1200MM X 1200MM X 1200MM)
56	M	150MM DI WATER PIPE, PC 2.41MPA	4,080	M3	STILLING BASINS
322	M	400MM DI WATER PIPE, PC ***MPA (1.72MPA)	150.5	HA	SEEDING & MULCHING
1,364	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	63.5	HA	MOWING
2	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	1,400	KG	SEED FOR REPAIR SEEDING
2	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ***MPA WP (400MM X 150MM, 1.38MPA)	4.75	MTN	FERTILIZER FOR REPAIR SEEDING
2	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ***MPA WP (400MM X 400MM, 1.38MPA)	4,250	KG	SEED FOR SUPPLEMENTAL SEEDING
2	EA	***MM BLOW OFF ASSEMBLY (50MM)	252.5	MTN	FERTILIZER TOPDRESSING
4	EA	RELOCATE EXISTING FIRE HYDRANT	2.7	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (CENTIPEDE)
2	EA	***MM LINE STOP ASSEMBLY (400MM)	240	M	IMPERVIOUS DIKE
360	M	***MM DI SEWER PIPE, PC ***MPA (600MM, 2.41MPA)	130	HR	SPECIALIZED HAND MOWING
4	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	60	EA	RESPONSE FOR EROSION CONTROL
4	EA	1500MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	2,800	M3	CULVERT DIVERSION CHANNEL
7	M	PRECAST CONC MANHOLE WALL, ***MM DIA, OVER 1.8M HT (1200MM)	4	HA	REFORESTATION
26	M	PRECAST CONC MANHOLE WALL, ***MM DIA, OVER 1.8M HT (1500MM)	1.43	HA	STREAMBANK REFORESTATION
445	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC SEWER)	700	M2	GENERIC EROSION CONTROL ITEM COIR FIBER MAT
142	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (VC SEWER)	470	M	SIGNAL CABLE
312	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)	15	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
5	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	4	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
1	EA	BREAK DOWN & REBUILD EXISTING MANHOLE	10	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD
684	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (600MM, 6.35MM)	888	M	MESSENGER CABLE (6.35MM)
125	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (750MM, 7.92MM)	35	M	MESSENGER CABLE (9.52MM)
4	EA	GENERIC UTILITY ITEM REMOVE AND STOCKPILE EXISTING FIRE HYDRANT	7,718	M	TRACER WIRE
140	M	GENERIC UTILITY ITEM 300MM DI SEWER PIPE, PC 2.41MPA	135	M	TRENCHING (UNPAVED)
54	M3	GENERIC UTILITY ITEM INSTALL CLASS I RIP-RAP BANK STABILIZATION	574	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (2)
8,200	M	TEMPORARY SILT FENCE	1,034	M	DIRECTIONAL DRILL OUTER-DUCT CONDUIT, 125MM
1,700	MTN	STONE FOR EROSION CONTROL, CLASS A	5,767	M	TRENCH MULTI-DUCT, 31.75MM (** CONDUIT) (4)
30,000	MTN	STONE FOR EROSION CONTROL, CLASS B	1,034	M	MULTI-DUCT, 31.75MM IN OUTER-DUCT (** CONDUIT) (4)
			9	EA	JUNCTION BOX (STANDARD SIZE)
			2	EA	WOOD POLE
			7	EA	GUY ASSEMBLY
			7	EA	50MM RISER WITH HEAT SHRINK TUBING
			740	M	INDUCTIVE LOOP SAWCUT
			310	M	LEAD-IN CABLE
			1,855	M	COMMUNICATIONS CABLE (**FIBER) (12)
			7,318	M	COMMUNICATIONS CABLE (**FIBER) (72)
			282	M	DROP CABLE
			5	EA	AERIAL SPLICE ENCLOSURE
			9	EA	INTERCONNECT CENTER
			2	EA	FIBER-OPTIC TRANSCEIVER
			53	EA	DELINEATOR MARKER
			1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
			7	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
			7	EA	METAL SIGNAL POLE FOUNDATION
			1	EA	MAST ARM WITH METAL POLE DESIGN
			12	EA	SIGN FOR SIGNALS
			2	EA	SIGNAL CABINET FOUNDATION
			2	EA	CONTROLLER WITH CABINET (TYPE 170E, BASE MOUNTED)
			3	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY

			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 22+90.190 -YCFLY-)
3	EA	GENERIC SIGNAL ITEM CCTV METAL POLE	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 30+74.741 -Y-)
11	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 170)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 46+63.359 -L-)
6	EA	GENERIC SIGNAL ITEM FIBER OPTIC DATA TRANSCEIVER (FOT)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 79+16.544 -L-)
6	EA	GENERIC SIGNAL ITEM FOUNDATION W/ WING WALL (TYPE 2)	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 22+90.190 -YCFLY-)
1	EA	GENERIC SIGNAL ITEM FURNISH FIBER OPTIC DATA TRANSCEIVER (FOT)	48.5	M	****MM DIA DRILLED PIERS IN SOIL (1066MM)
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO OPTICAL TRANSMITTER (VOT-D)	45.8	M	****MM DIA DRILLED PIERS IN SOIL (1372MM)
1	EA	GENERIC SIGNAL ITEM FURNISH VIDEO OPTICAL RECEIVER (VOR-D)	19	M	****MM DIA DRILLED PIERS NOT IN SOIL (1066MM)
51	EA	GENERIC SIGNAL ITEM JUNCTION BOX (OVER-SIZED)	31	M	****MM DIA DRILLED PIERS NOT IN SOIL (1372MM)
7	EA	GENERIC SIGNAL ITEM SOIL TEST	5	EA	CROSSHOLE SONIC LOGGING
3	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL RECEIVER (VOR-D)	704.2	M	CSL TUBES
3	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL TRANSMITTER (VOT-D)	20,948.3	M2	REINFORCED CONCRETE DECK SLAB
Lump Sum	LS	GENERIC SIGNAL ITEM CCTV SYSTEM INTEGRATION	19,373.6	M2	GROOVING BRIDGE FLOORS
15	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1067MM DIAMETER)	1,112.4	M3	CLASS AA CONCRETE (BRIDGE)
15	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1220MM DIAMETER)	2,145.7	M3	CLASS A CONCRETE (BRIDGE)

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+40.000 -Y19REV-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+04.478 -YRPB-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (13+40.000 -Y19REV-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+79.055 -YCFLY-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (15+60.000 -YCFLY-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (19+24.230 -YCFLY-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (15+67.000 -YBFLY-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (22+90.190 -YCFLY-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (23+97.000 -YCFLY-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (30+74.741 -Y-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (30+20.889 -Y3)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+57.995 -L- LT LN)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (45+26.000 -L-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+57.995 -L- RT LN)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (54+80.000 -L-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (46+63.359 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (75+75.400 -L-)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (64+45.173 -L- LT LN)
3,432	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (64+45.173 -L- RT LN)
7,916.1	M3	CLASS A CONCRETE (CULVERT)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (79+16.544 -L-)
607,425	KG	REINFORCING STEEL (CULVERT)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (83+30.193 -L- LT LN)
167	MTN	PLAIN RIP RAP, CLASS ** (I)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (83+30.193 -L- RT LN)
172	M2	FILTER FABRIC FOR DRAINAGE	327,150	KG	REINFORCING STEEL (BRIDGE)
			12,577	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)

STRUCTURE ITEMS

Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 14+04.478 -YRPB-)	1,231.955	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 19+24.230 -YCFLY-)	3,460,180	LS	APPROX KG STRUCTURAL STEEL
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 22+90.190 -YCFLY-)	4,715.5	M	HP310X79 STEEL PILES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 30+74.741 -Y-)	128	M	HP360X108 STEEL PILES
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 46+63.359 -L-)	24	EA	STEEL PILE POINTS
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 79+16.544 -L-)	204.663	M	TWO BAR METAL RAIL
			2,357.234	M	CONCRETE BARRIER RAIL
			209.311	M	*** X ****MM CONCRETE PARAPET (355MM X 760MM)
			7,865	M2	100MM SLOPE PROTECTION
			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 ***** (64+45.173 -L- LT LN)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 009

CONTRACT ID : C201048 36799

DIV OFFICE GREENSBORO

LENGTH = 3.661 MI

COUNTY : ORANGE

RESURFACING, SHOULDER RECONST, GUARDRAIL & PVMT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : AUG 27 2004

US-70 FROM NC-86 TO WEST OF SR-1562 (PALMERS GROVE ROAD).

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
180	TON	INCIDENTAL STONE BASE
2.5	SMI	SHOULDER RECONSTRUCTION
6,161	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,791	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
11,141	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
352	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
725	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1,512.5	LF	STEEL BM GUARDRAIL
100	LF	STEEL BM GUARDRAIL, SHOP CURVED
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
19	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
150	LF	REMOVE EXISTING GUARDRAIL
38,652	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
33,778	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
36	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
1,266	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
423	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
44	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
68,000	LF	PAINT PAVEMENT MARKING LINES (4")
987	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
0.75	ACR	SEEDING & MULCHING
0.75	ACR	GENERIC EROSION CONTROL ITEM RESIDENTIAL SEEDING
13	EA	JUNCTION BOX (STANDARD SIZE)
1,925	LF	INDUCTIVE LOOP SAWCUT
2,600	LF	LEAD-IN CABLE

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 010

CONTRACT ID : C201051 37189

DIV OFFICE GREENSBORO

LENGTH = 6.119 MI

COUNTY : ROCKINGHAM

MILLING, RESURFACING, GUARDRAIL & PAVEMENT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : NOV 01 2004

NC-14 FROM SOUTH OF SR-2066 (KINGS HWY) TO THE VIRGINIA STATE LINE & 2 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
110	TON	INCIDENTAL STONE BASE
20,296	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
4,462	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 1-1/2")
6,525	SY	INCIDENTAL MILLING
3,471	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
20,475	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
163	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,331	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
1	EA	FRAME WITH TWO GRATES, STD 840.16
319	SF	GENERIC GRADING ITEM (SF) REMOVAL OF EXISTING ISLANDS
971	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1	EA	ADJUSTMENT OF DROP INLETS
12	EA	ADJUSTMENT OF MANHOLES
15	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
3,525	LF	STEEL BM GUARDRAIL
50	LF	STEEL BM GUARDRAIL, SHOP CURVED
8	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** III (POST & BEAM RAIL)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
56	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
2,120	LF	REMOVE EXISTING GUARDRAIL
52,966	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
69,221	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
54	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
4,454	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
112	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
705	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
90	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
149	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
140,000	LF	PAINT PAVEMENT MARKING LINES (4")
1,817	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
8,600	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 011

CONTRACT ID : C201018 8CR.10191.1

DIV OFFICE ABERDEEN

LENGTH = 19.030 MI

COUNTY : CHATHAM

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEP 30 2004

1 SECTION OF US-15/501, 1 SECTION OF US-421, 1 SECTION OF US-64 AND 11 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
800	TON	INCIDENTAL STONE BASE
2,016	SY	INCIDENTAL MILLING
19,115	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
5,472	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,243	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
355	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
3,400	TON	GENERIC PAVING ITEM SHOULDER RECONSTRUCTION AGGRE- GATE
26	EA	ADJUSTMENT OF CATCH BASINS
28	EA	ADJUSTMENT OF MANHOLES
24	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
120,525	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
78,892	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
271,000	LF	PAINT PAVEMENT MARKING LINES (4")
1,633	EA	PERMANENT RAISED PAVEMENT MARKERS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 012

CONTRACT ID : C201019 8CR.10531.1

DIV OFFICE ABERDEEN

LENGTH = 9.160 MI

COUNTY : LEE

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEP 30 2004

2 SECTIONS OF US-15/501, 2 SECTIONS OF US-1 BUS AND 9 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,035	TON	INCIDENTAL STONE BASE
15.46	SMI	SHOULDER RECONSTRUCTION
57,000	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (1" TO 2-1/2")
1,615	SY	INCIDENTAL MILLING
1,365	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
13,040	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
4,900	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
906	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
319	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
74	EA	ADJUSTMENT OF MANHOLES
54	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
34,335	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
27,170	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
16	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
215,625	LF	PAINT PAVEMENT MARKING LINES (4")
1,828	EA	PERMANENT RAISED PAVEMENT MARKERS
9.34	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 013

CONTRACT ID : C201020 8CR.10471.1

DIV OFFICE ABERDEEN

LENGTH = 5.180 MI

COUNTY : HOKE

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEP 30 2004

3 SECTIONS OF NC-211 AND 1 SECTION OF SECONDARY ROAD.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
30	TON	INCIDENTAL STONE BASE
8.5	SMI	SHOULDER RECONSTRUCTION
35,464	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (1" TO 3")
3,585	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
3,845	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
233	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
249	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
19	EA	ADJUSTMENT OF MANHOLES
11	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
14,050	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
19,140	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
8	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
146,365	LF	PAINT PAVEMENT MARKING LINES (4")
710	EA	PERMANENT RAISED PAVEMENT MARKERS
6.2	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 014

CONTRACT ID : C201024 8CR.10631.1

DIV OFFICE ABERDEEN

LENGTH = 17.430 MI

COUNTY : MOORE

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEP 30 2004

1 SECTION OF NC-690, 1 SECTION OF NC-5 AND 17 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
1,080	TON	INCIDENTAL STONE BASE
33.6	SMI	SHOULDER RECONSTRUCTION
7,190	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (1" TO 1-1/2")
1,270	SY	INCIDENTAL MILLING
9,175	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
6,715	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
1,032	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
5	EA	ADJUSTMENT OF MANHOLES
5	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
36,584	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
28,910	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
80	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
425,994	LF	PAINT PAVEMENT MARKING LINES (4")
1,481	EA	PERMANENT RAISED PAVEMENT MARKERS
20.38	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 015

CONTRACT ID : C201025 8CR.10831.1

DIV OFFICE ABERDEEN

LENGTH = 14.840 MI

COUNTY : SCOTLAND

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEP 30 2004

4 SECTIONS OF US-74 BUS AND 16 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
200	TON	INCIDENTAL STONE BASE
17.74	SMI	SHOULDER RECONSTRUCTION
41,800	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (1" TO 1-1/2")
1,700	SY	INCIDENTAL MILLING
6,035	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
8,560	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
557	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
393	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
180	TON	PATCHING EXISTING PAVEMENT
6	EA	WHEELCHAIR RAMPS
62	EA	ADJUSTMENT OF MANHOLES
50	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
24,060	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
44,050	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
160	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
410	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
6	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
77	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
416,450	LF	PAINT PAVEMENT MARKING LINES (4")
236	EA	PERMANENT RAISED PAVEMENT MARKERS
11.5	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 016

CONTRACT ID : C201031 8CR.10761.1

DIV OFFICE ABERDEEN

LENGTH = 36.230 MI

COUNTY : RANDOLPH

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : SEP 30 2004

VARIOUS SECTIONS OF NC-22, US-421, US-220 BUS, NC-62 & NC-42 AND 27 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
1,574	TON	INCIDENTAL STONE BASE
69.82	SMI	SHOULDER RECONSTRUCTION
2,400	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (0" TO 1-1/2")
4,307	SY	INCIDENTAL MILLING
25,155	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
12,945	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,635	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
842	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
23	EA	ADJUSTMENT OF MANHOLES
9	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
196,416	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
130,821	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
18	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
497,775	LF	PAINT PAVEMENT MARKING LINES (4")
2,703	EA	PERMANENT RAISED PAVEMENT MARKERS
57.69	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 017

CONTRACT ID : C200801 34517.3.6

DIV OFFICE WINSTON-SALEM

LENGTH = 6.173 KM

COUNTY : ROWAN

WIDENING, GRADING, DRAINAGE, PAVING & CULVERT.

DBE GOAL 10.0% COMPLETION DATE : DEC 31 2006

US-70 FROM WEST OF SR-1953 (KEPLEY RD) TO US-601 IN SALISBURY.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	51	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
Lump Sum	LS	CONSTRUCTION SURVEYING	4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	8	M	150MM OUTLET PIPE (SUBDRAINS)
0.4	HA	SUPPLEMENTARY CLEARING & GRUBBING	10	MTN	BLOTTING SAND
1	EA	SEALING ABANDONED WELLS	1	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
59,500	M3	UNCLASSIFIED EXCAVATION	5.7	M3	REINFORCED ENDWALLS
2,000	M3	UNDERCUT EXCAVATION	3.88	M3	PIPE COLLARS
45,000	M3	BORROW EXCAVATION	0.44	M3	PIPE PLUGS
190	M3	DRAINAGE DITCH EXCAVATION	224	EA	MASONRY DRAINAGE STRUCTURES
59,800	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	40	M	MASONRY DRAINAGE STRUCTURES
29	HR	PROOF ROLLING	2	EA	FRAME WITH GRATE, DETAIL 840.***** (840.013)
25	M2	TEMPORARY SHORING	73	EA	FRAME WITH GRATE, STD 840.***** (840.16)
2,010	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	13	EA	FRAME WITH GRATE, STD 840.***** (840.24)
156	M	375MM SIDE DRAIN PIPE	13	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
3,324	M	375MM RC PIPE CULVERTS, CLASS III	49	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
1,987.2	M	450MM RC PIPE CULVERTS, CLASS III	70	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
616.8	M	600MM RC PIPE CULVERTS, CLASS III	1	EA	FRAME WITH COVER, STD 840.54
200.4	M	750MM RC PIPE CULVERTS, CLASS III	7	EA	CONCRETE APRON FOR CATCH BASIN
4	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	30	EA	CONCRETE APRON FOR DROP INLETS
5	EA	*** X *** X ***MM RC PIPE TEES CLASS III (450MM X 450MM X 375MM)	3,686	M	450MM CONCRETE CURB & GUTTER
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (600MM X 600MM X 375MM)	9,889	M	750MM CONCRETE CURB & GUTTER
14.4	M	450MM CS PIPE CULVERTS, 1.63MM THICK	9,700	M2	100MM CONCRETE SIDEWALK
16.8	M	600MM CS PIPE CULVERTS, 1.63MM THICK	168	M2	CONCRETE WHEELCHAIR RAMPS
61	M	*****MM WELDED STEEL PIPE, *****MM THICK, GRADE B, INSTALLED BY BORING & JACKING (1800MM, 2.77MM)	5,805	M2	150MM CONCRETE DRIVEWAY
1,201.7	M	PIPE REMOVAL	33.6	M2	100MM CONCRETE PAVED DITCH
Lump Sum	LS	FINE GRADING	6,100	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
1,400	KG	SEALING EXISTING PAVEMENT CRACKS	22	M2	GENERIC PAVING ITEM EMERGENCY CROSSOVER FOR CONC ISLAND
21,200	M2	LIME TREATED SOIL (SLURRY METHOD)	14	EA	ADJUSTMENT OF CATCH BASINS
235	MTN	LIME FOR LIME TREATED SOIL	2	EA	ADJUSTMENT OF DROP INLETS
100	MTN	STABILIZER AGGREGATE	10	EA	ADJUSTMENT OF MANHOLES
9,090	M2	***MM SOIL CEMENT BASE (1800MM)	60	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
275	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	114.3	M	STEEL BM GUARDRAIL
125	MTN	AGGREGATE FOR SOIL CEMENT BASE	19.05	M	STEEL BM GUARDRAIL, SHOP CURVED
21,600	L	ASPHALT CURING SEAL	10	EA	ADDITIONAL GUARDRAIL POSTS
1,000	MTN	INCIDENTAL STONE BASE	2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
12,850	M2	MILLING ASPHALT PAVEMENT, ***MM DEPTH (150MM)	2	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
48,500	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
39,250	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	71	MTN	PLAIN RIP RAP, CLASS I
22,300	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	347	MTN	PLAIN RIP RAP, CLASS B
3,950	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	1,610	M2	FILTER FABRIC FOR DRAINAGE
1,500	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	75	MTN	GENERIC EROSION CONTROL ITEM BOULDERS
852	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR	1,043	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
147	EA	RIGHT OF WAY MARKERS	3	EA	SIGN ERECTION, TYPE D
276	M3	SUBDRAIN EXCAVATION	196	EA	SIGN ERECTION, TYPE E
207	M3	SUBDRAIN FINE AGGREGATE	7	EA	SIGN ERECTION, TYPE F
500	M	150MM PERFORATED SUBDRAIN PIPE	1	EA	RELOCATE SIGN, TYPE ***** (D)
			5	EA	RELOCATE SIGN, TYPE ***** (E)
			108	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			6	EA	DISPOSAL OF SUPPORT, U-CHANNEL
			105	M2	WORK ZONE SIGNS (STATIONARY)
			30	M2	WORK ZONE SIGNS (PORTABLE)
			35	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 018

CONTRACT ID : C201045 36838

DIV OFFICE WINSTON-SALEM

LENGTH = 34.920 MI

COUNTY : ROWAN

MILLING, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : SEP 30 2004

1 SECTION OF US-601, 2 SECTIONS OF US-29/70, NC-150 & NC-152 1 SECTION OF NC-801 & 12 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
257	TON	INCIDENTAL STONE BASE
7,130	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
1,220	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
50,931	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")
51,936	SY	MILLING ASPHALT PAVEMENT, **** TO *****" DEPTH (0" TO 1-1/2")
190	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
19,388	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
136	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
31,351	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
36	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
1,279	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
2,039	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
289	TON	PATCHING EXISTING PAVEMENT
11	EA	ADJUSTMENT OF CATCH BASINS
12	EA	ADJUSTMENT OF DROP INLETS
112	EA	ADJUSTMENT OF MANHOLES
104	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
297,231	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
390,328	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,510	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
3,456	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
296	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
1,643	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
76	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
147	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
40,152	LF	PAINT PAVEMENT MARKING LINES (4")
2,466	LF	PAINT PAVEMENT MARKING LINES (8")
255	LF	PAINT PAVEMENT MARKING LINES (16")
965	LF	PAINT PAVEMENT MARKING LINES (24")
24	EA	PAINT PAVEMENT MARKING CHARAC- TER
93	EA	PAINT PAVEMENT MARKING SYMBOL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 019

CONTRACT ID : C201046 36823

DIV OFFICE WINSTON-SALEM

LENGTH = 46.214 MI

COUNTY : DAVIDSON

MILLING, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : SEP 30 2004

2 SECTIONS OF NC-8, 1 SECTION OF NC-150 AND 23 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
424	TON	INCIDENTAL STONE BASE
825	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1")
63,223	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
95	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
1,022	SY	MILLING ASPHALT PAVEMENT, **** TO *****" DEPTH (0" TO 1-1/2")
15	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
37,262	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
4	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
24,545	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,422	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,594	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
213	TON	PATCHING EXISTING PAVEMENT
1	EA	ADJUSTMENT OF CATCH BASINS
3	EA	ADJUSTMENT OF DROP INLETS
26	EA	ADJUSTMENT OF MANHOLES
77	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
457,758	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
493,027	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,480	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,580	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
680	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
1,677	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
76	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
86	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
28,366	LF	PAINT PAVEMENT MARKING LINES (4")
940	LF	PAINT PAVEMENT MARKING LINES (8")
80	LF	PAINT PAVEMENT MARKING LINES (16")
405	LF	PAINT PAVEMENT MARKING LINES (24")
12	EA	PAINT PAVEMENT MARKING CHARAC- TER
26	EA	PAINT PAVEMENT MARKING SYMBOL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 020

CONTRACT ID : C201047 36836

DIV OFFICE WINSTON-SALEM

LENGTH = 56.463 MI

COUNTY : FORSYTH

MILLING, RESURFACING, SHLDR RECONST & PAVEMENT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : SEP 30 2004

3 SECTIONS OF US-311, 1 SECTION OF NC-66, 3 SECTIONS OF NC-67 AND 23 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
409	TON	INCIDENTAL STONE BASE
37.89	SMI	SHOULDER RECONSTRUCTION
61,431	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
380	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
21,884	SY	MILLING ASPHALT PAVEMENT, **** TO *****" DEPTH (0" TO 1-1/2")
136	SY	MILLING ASPHALT PAVEMENT, **** TO *****" DEPTH (0" TO 2-1/2")
11,292	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
4,101	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
58	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
44,553	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
38	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
40,387	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
3,565	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
2,626	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
283	TON	PATCHING EXISTING PAVEMENT
13,116	SY	GENERIC PAVING ITEM ASPHALT SURFACE TREATMENT, MAT COAT, #78M STONE
2	EA	ADJUSTMENT OF CATCH BASINS
3	EA	ADJUSTMENT OF DROP INLETS
142	EA	ADJUSTMENT OF MANHOLES
176	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
492,542	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
587,573	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
6,252	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
954	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
460	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
2,932	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
108	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
396	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
24,211	LF	PAINT PAVEMENT MARKING LINES (4")
647	LF	PAINT PAVEMENT MARKING LINES (24")
53	EA	PAINT PAVEMENT MARKING SYMBOL

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 021

CONTRACT ID : C200551 34772.3.8

DIV OFFICE ALBEMARLE

LENGTH = 6.617 KM

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING & STRUCTURES.

MBE GOAL 8.0% WBE 4.0% COMPLETION DATE : DEC 31 2006

KANNAPOLIS WESTSIDE BYPASS FROM NC-73 TO NC-136 (MOORESVILLE RD).

ROADWAY ITEMS					
			2	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
			1,125	M	PIPE REMOVAL
Lump Sum	LS	MOBILIZATION	Lump Sum	LS	FINE GRADING
Lump Sum	LS	CONSTRUCTION SURVEYING	88,200	M2	LIME TREATED SOIL (SLURRY METHOD)
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	980	MTN	LIME FOR LIME TREATED SOIL
1.2	HA	SUPPLEMENTARY CLEARING & GRUBBING	500	MTN	STABILIZER AGGREGATE
3	EA	SEALING ABANDONED WELLS	90,600	MTN	AGGREGATE BASE COURSE
417,000	M3	UNCLASSIFIED EXCAVATION	58,800	M2	***MM SOIL CEMENT BASE (180MM)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (53+19.00 NBL)	1,770	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (53+19.00 SBL)	800	MTN	AGGREGATE FOR SOIL CEMENT BASE
3,000	M3	UNDERCUT EXCAVATION	100,000	L	ASPHALT CURING SEAL
142,500	M3	BORROW EXCAVATION	200	MTN	INCIDENTAL STONE BASE
3,300	M3	DRAINAGE DITCH EXCAVATION	7,400	L	PRIME COAT
280	M	BERM DITCH CONSTRUCTION	5,375	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
24,600	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	34,500	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
19,800	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	28,300	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
42	HR	PROOF ROLLING	3,693	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
2,300	M3	SELECT GRANULAR MATERIAL	100	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
2,300	M2	FABRIC FOR SOIL STABILIZATION	250	M3	SUBDRAIN EXCAVATION
2,650	MTN	SELECT MATERIAL, CLASS II	125	M3	SUBDRAIN FINE AGGREGATE
1,600	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	300	M	150MM PERFORATED SUBDRAIN PIPE
244.8	M	375MM SIDE DRAIN PIPE	30	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
64.8	M	450MM SIDE DRAIN PIPE	2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
1,474.8	M	375MM RC PIPE CULVERTS, CLASS III	4	M	150MM OUTLET PIPE (SUBDRAINS)
1,342.8	M	450MM RC PIPE CULVERTS, CLASS III	3,150	M	SHOULDER DRAIN
768	M	600MM RC PIPE CULVERTS, CLASS III	3,150	M	100MM SHOULDER DRAIN PIPE
115.2	M	750MM RC PIPE CULVERTS, CLASS III	300	M	100MM OUTLET PIPE (SHOULDER DRAINS)
182.4	M	1050MM RC PIPE CULVERTS, CLASS III	20	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
43.2	M	1350MM RC PIPE CULVERTS, CLASS III	10	MTN	BLOTTING SAND
64.8	M	1500MM RC PIPE CULVERTS, CLASS III	18	M3	ENDWALLS
91.2	M	***** RC PIPE CULVERTS, CLASS IV (1200MM)	9	M3	REINFORCED ENDWALLS
8	EA	***MM PIPE END SECTION (375MM)	3	M3	PIPE COLLARS
1	EA	***MM PIPE END SECTION (600MM)	86	EA	MASONRY DRAINAGE STRUCTURES
1	EA	1800 X 1200MM RC PIPE TAPERED INLET, CLASS III	9	M	MASONRY DRAINAGE STRUCTURES
39.6	M	***MM CS PIPE CULVERTS, ***** THICK (300MM, 1.63MM)	1	EA	FRAME WITH GRATE, STD 840.**** (840.20)
78	M	***MM CS PIPE CULVERTS, ***** THICK (900MM, 2.01MM)	14	EA	FRAME WITH TWO GRATES, STD 840.***** (840.20)
57.6	M	400MM CS PIPE CULVERTS, 1.63MM THICK	1	EA	FRAME WITH TWO GRATES, STD 840.16
30	M	450MM CS PIPE CULVERTS, 1.63MM THICK	71	EA	FRAME WITH TWO GRATES, STD 840.22
27.6	M	800MM CS PIPE CULVERTS, 2.01MM THICK	3	EA	GENERIC DRAINAGE ITEM RIP-RAPPED ENERGY DISSIPATOR
2	EA	***MM CS PIPE ELBOWS, ***** THICK (300MM, 1.63MM)	75	M	*** X ***** CONCRETE CURB (200MM X 450MM)
342	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	1,200	M	SHOULDER BERM GUTTER
49.2	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	15	M	CONCRETE EXPRESSWAY GUTTER
51.6	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	30	M2	100MM CONCRETE SIDEWALK
22	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	370	M2	150MM CONCRETE DRIVEWAY
4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	10	M2	100MM CONCRETE PAVED DITCH
			315	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			2,846.07	M	STEEL BM GUARDRAIL
			41.91	M	STEEL BM GUARDRAIL, SHOP CURVED
			4	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10	EA	ADDITIONAL GUARDRAIL POSTS
			19	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			22	EA	GUARDRAIL ANCHOR UNITS, TYPE 350

				7	EA	***MM GATE VALVE & VALVE BOX, ***MPA WP (400MM, 1.38MPA WP)
				1	EA	***MM GATE VALVE & VALVE BOX, ***MPA WP (50MM, 1.38MPA WP)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350		5	EA	***MM GATE VALVE & VALVE BOX, ***MPA WP (600MM, 1.38MPA WP)
1,485.9	M	TEMPORARY STEEL BM GUARDRAIL		8	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
28	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY		2	EA	200MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA WP)
11,900	M	WOVEN WIRE FENCE, 1200MM FABRIC		8	EA	300MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA WP)
2,400	EA	100MM TIMBER FENCE POSTS, 2.30M LONG		1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ***MPA WP (600MM, 150MM 1.38MPA WP)
735	EA	125MM TIMBER FENCE POSTS, 2.50M LONG		1	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)
100	M	ADDITIONAL BARBED WIRE		7	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)
80	M	GENERIC FENCING ITEM 3 RAIL WHITE VINYL FENCE		1	EA	*** X ***MM TAPPING SADDLE (600MM X 50MM)
1	EA	GENERIC FENCING ITEM REMOVE & RESET EXISTING GATE		1	EA	***MM AIR RELEASE VALVE & MANHOLE (50MM)
275	MTN	PLAIN RIP RAP, CLASS I		5	EA	***MM BLOW OFF ASSEMBLY (50MM)
260	MTN	PLAIN RIP RAP, CLASS A		8	EA	RELOCATE EXISTING WATER METER
2,550	MTN	PLAIN RIP RAP, CLASS B		8	EA	FIRE HYDRANT, ***MPA WP (1.38MPA WP)
9,475	M2	FILTER FABRIC FOR DRAINAGE		19	EA	RELOCATE EXISTING FIRE HYDRANT
1,317	M	SUPPORTS, 4.5KG STEEL U-CHANNEL		313	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM WATER)
19	EA	SIGN ERECTION, TYPE D		1,490	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (WATER)
212	EA	SIGN ERECTION, TYPE E		1	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE
12	EA	SIGN ERECTION, TYPE F		23	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (600MM, 6.35MM)
3	EA	DISPOSAL OF SUPPORT, WOOD		65	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (762MM, 8MM)
52	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL		40	M	***MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (900MM, 10MM)
2	EA	DISPOSAL OF SUPPORT, U-CHANNEL (F)		82	M	450MM STEEL ENCASEMENT PIPE, ***MM THICK, BY OPEN CUT (6.35MM)
28	M2	WORK ZONE SIGNS (STATIONARY)		1	EA	GENERIC UTILITY ITEM 150MM BACKFLOW PREVENTION ASSEMBLY (DCVA)
5	M2	WORK ZONE SIGNS (PORTABLE)		8	EA	GENERIC UTILITY ITEM 20MM PRESSURE REGULATOR VALVE ASSEMBLY
78	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)		1	EA	GENERIC UTILITY ITEM 50MM BACKFLOW PREVENTION ASSEMBLY (RPPA)
2	EA	WARNING FLAG SETS		1	EA	GENERIC UTILITY ITEM 50MM WATER METER ASSEMBLY
547	EA	DRUMS		145	M	GENERIC UTILITY ITEM 20MM PE WATER TUBING, SDR 7, 1.38MPA WP
1,140	M	BARRICADES (TYPE III)		825	M	TEMPORARY SILT FENCE
2,000	HR	FLAGGER		970	MTN	STONE FOR EROSION CONTROL, CLASS A
956	EA	TEMPORARY RAISED PAVEMENT MARKERS		12,720	MTN	STONE FOR EROSION CONTROL, CLASS B
26,079	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)		4,610	MTN	SEDIMENT CONTROL STONE
8,328	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)		47.5	HA	TEMPORARY MULCHING
251	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)		2,000	KG	SEED FOR TEMPORARY SEEDING
60	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)		16	MTN	FERTILIZER FOR TEMPORARY SEEDING
290	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)		285	M	TEMPORARY SLOPE DRAINS
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)		30	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
184	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)		62,820	M3	SILT EXCAVATION
111,818	M	PAINT PAVEMENT MARKING LINES (100MM)		6,850	M2	SYNTHETIC ROVING
274	M	PAINT PAVEMENT MARKING LINES (200MM)		4,525	M2	MATTING FOR EROSION CONTROL
1,006	M	PAINT PAVEMENT MARKING LINES (600MM)		450	M	6.4MM HARDWARE CLOTH
16	EA	PAINT PAVEMENT MARKING CHARACTER		10	EA	SPECIAL STILLING BASINS
116	EA	PAINT PAVEMENT MARKING SYMBOL		47.5	HA	SEEDING & MULCHING
283	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)		27	HA	MOWING
4,116	EA	PERMANENT RAISED PAVEMENT MARKERS		575	KG	SEED FOR REPAIR SEEDING
392	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)		2	MTN	FERTILIZER FOR REPAIR SEEDING
392	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)		1,350	KG	SEED FOR SUPPLEMENTAL SEEDING
100	MTN	PAVEMENT REPAIR FOR UTILITY WORK		79.75	MTN	FERTILIZER TOPDRESSING
280	M	150MM DI WATER PIPE, PC 2.41MPA		0.32	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BUEGRASS)
125	M	200MM DI WATER PIPE, PC 2.41MPA		18	HR	SPECIALIZED HAND MOWING
531	M	300MM DI WATER PIPE, PC 2.41MPA				
511	M	400MM DI WATER PIPE, PC ***MPA (2.41MPA)				
1,045	M	600MM DI WATER PIPE, PC ***MPA (2.41MPA)				
12,206	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP				
3	M	***MM GS WATER PIPE, SCH *** (50MM, 40)				
8	EA	20MM CORPORATION STOP				
1	EA	50MM CORPORATION STOP				

32	EA	RESPONSE FOR EROSION CONTROL
4	HA	REFORESTATION
2,740	M	SIGNAL CABLE
35	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
21	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
25	EA	BACKPLATE
2,160	M	MESSENGER CABLE (6.35MM)
652	M	MESSENGER CABLE (9.52MM)
80	M	TRACER WIRE
1,411	M	TRENCHING (UNPAVED)
175	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (1)
30	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (2)
38	EA	JUNCTION BOX (STANDARD SIZE)
4	EA	JUNCTION BOX (OVER-SIZED)
41	EA	WOOD POLE
15	EA	GUY ASSEMBLY
2	EA	25MM RISER WITH WEATHERHEAD
4	EA	50MM RISER WITH WEATHERHEAD
4	EA	50MM RISER WITH HEAT SHRINK TUBING
2,224	M	INDUCTIVE LOOP SAWCUT
4,910	M	LEAD-IN CABLE
2,540	M	COMMUNICATIONS CABLE (**FIBER) (12)
4	EA	INTERCONNECT CENTER
4	EA	FIBER-OPTIC TRANSCEIVER
4	EA	DELINEATOR MARKER
1	EA	FURNISH FIBER-OPTIC RESTORATION KIT
1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
8	EA	METAL STRAIN SIGNAL POLE
11	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
19	EA	METAL SIGNAL POLE FOUNDATION
9	EA	SIGN FOR SIGNALS
5	EA	SIGNAL CABINET FOUNDATION
5	EA	CABINET BASE ADAPTER
5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
67	EA	DETECTOR CHANNEL (TYPE 2070L)

STRUCTURE ITEMS

35.4	M	*****MM DIA DRILLED PIERS IN SOIL (1066MM)
15	M	*****MM DIA DRILLED PIERS NOT IN SOIL (1066MM)
29.8	M	PERMANENT STEEL CASING FOR *****MM DRILLED PIER (1066MM)
2	EA	SID INSPECTION
2	EA	CROSSHOLE SONIC LOGGING
220.2	M	CSL TUBES
1,108.8	M2	REINFORCED CONCRETE DECK SLAB
930.2	M2	GROOVING BRIDGE FLOORS
180.3	M3	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (53+19.000 -L- LEFT LANE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (53+19.000 -L- RIGHT LANE)
19,437	KG	REINFORCING STEEL (BRIDGE)
2,206	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
463.24	M	1372MM PRESTRESSED CONCRETE GIRDERS
365.5	M	HP310X79 STEEL PILES
188.9	M	CONCRETE BARRIER RAIL
1,023	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
1,043	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 022

CONTRACT ID : C200795 34355.3.10

DIV OFFICE ALBEMARLE

LENGTH = 5.501 KM

COUNTY : STANLY

WIDENING, GRADING, DRAINAGE, PAVING & CULVERT.

MBE GOAL 10.0% WBE 5.0% COMPLETION DATE : SEP 01 2006

NC-24 & NC-27 FROM WEST OF SR-1142 (BROWN'S HILL RD) TO EAST OF ISLAND CREEK.

ROADWAY ITEMS					
			22,860	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
			22,380	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
Lump Sum	LS	MOBILIZATION	19,460	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	2,035	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
	1.2	HA SUPPLEMENTARY CLEARING & GRUBBING	1,250	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
	35,500	M3 UNCLASSIFIED EXCAVATION	625	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
	3,000	M3 UNDERCUT EXCAVATION	276	M3	SUBDRAIN EXCAVATION
	24,250	M3 BORROW EXCAVATION	207	M3	SUBDRAIN FINE AGGREGATE
	2,190	M3 DRAINAGE DITCH EXCAVATION	500	M	150MM PERFORATED SUBDRAIN PIPE
	170	M BERM DITCH CONSTRUCTION	51	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
	11,075	M2 REMOVAL OF EXISTING ASPHALT PAVEMENT	4	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
	2,100	MTN FOUNDATION CONDITIONING MATERIAL, MINOR STRS	8	M	150MM OUTLET PIPE (SUBDRAINS)
	24	M ***** SIDE DRAIN PIPE (400MM)	13	M3	ENDWALLS
	112.8	M 375MM SIDE DRAIN PIPE	7.6	M3	REINFORCED ENDWALLS
	12	M 450MM SIDE DRAIN PIPE	14	M3	PIPE COLLARS
	996	M 300MM RC PIPE CULVERTS, CLASS III	0.5	M3	PIPE PLUGS
	2,644.8	M 375MM RC PIPE CULVERTS, CLASS III	264	EA	MASONRY DRAINAGE STRUCTURES
	1,174.8	M 450MM RC PIPE CULVERTS, CLASS III	3.16	M3	MASONRY DRAINAGE STRUCTURES
	806.4	M 600MM RC PIPE CULVERTS, CLASS III	35.7	M	MASONRY DRAINAGE STRUCTURES
	386.4	M 750MM RC PIPE CULVERTS, CLASS III	69	EA	FRAME WITH TWO GRATES, STD 840.16
	121.2	M 900MM RC PIPE CULVERTS, CLASS III	16	EA	FRAME WITH TWO GRATES, STD 840.29
	33.6	M 1050MM RC PIPE CULVERTS, CLASS III	16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
	164.4	M 1200MM RC PIPE CULVERTS, CLASS III	74	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
	34.8	M 1350MM RC PIPE CULVERTS, CLASS III	80	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
	2	EA *** X *** X ***** RC PIPE TEES CLASS III (300MM X 300MM X 300MM)	7	EA	FRAME WITH COVER, STD 840.54
	2	EA *** X *** X ***** RC PIPE TEES CLASS III (375MM X 300MM X 300MM)	1,250	M	*** X ***** CONCRETE CURB (200MM X 150MM)
	10	EA *** X *** X ***** RC PIPE TEES CLASS III (375MM X 375MM X 300MM)	16	M	450MM CONCRETE CURB & GUTTER
	1	EA *** X *** X ***** RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	9,340	M	750MM CONCRETE CURB & GUTTER
	1	EA *** X *** X ***** RC PIPE TEES CLASS III (450MM X 450MM X 600MM)	13,530	M2	100MM CONCRETE SIDEWALK
	2	EA *** X *** X ***** RC PIPE TEES CLASS III (600MM X 600MM X 300MM)	535	M2	CONCRETE WHEELCHAIR RAMPS
	1	EA *** X *** X ***** RC PIPE TEES CLASS III (750MM X 750MM X 375MM)	4,740	M2	150MM CONCRETE DRIVEWAY
	100	M 400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	160	M2	100MM CONCRETE PAVED DITCH
	37.2	M 450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	265	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
	15.6	M 600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	1	EA	ADJUSTMENT OF CATCH BASINS
	19.2	M 800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE COVER
	9	EA 400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	2	EA	CONVERT EXISTING JUNCTION BOX TO CATCH BASIN
	3	EA 450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	354.33	M	STEEL BM GUARDRAIL
	2	EA 600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	10	EA	ADDITIONAL GUARDRAIL POSTS
	3,255	M PIPE REMOVAL	5	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
Lump Sum	LS	FINE GRADING	5	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
	150	KG SEALING EXISTING PAVEMENT CRACKS	170	M	REMOVE EXISTING GUARDRAIL
	1,000	MTN STABILIZER AGGREGATE	64.77	M	TEMPORARY STEEL BM GUARDRAIL
	1,790	MTN AGGREGATE BASE COURSE	2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
	150	MTN INCIDENTAL STONE BASE	28	M	WOVEN WIRE FENCE, 1200MM FABRIC
			5	EA	100MM TIMBER FENCE POSTS, 2.30M LONG
			4	EA	125MM TIMBER FENCE POSTS, 2.50M LONG
			560	MTN	PLAIN RIP RAP, CLASS I
			85	MTN	PLAIN RIP RAP, CLASS A
			540	MTN	PLAIN RIP RAP, CLASS B
			4,540	M2	FILTER FABRIC FOR DRAINAGE
			200	MTN	GENERIC EROSION CONTROL ITEM BOULDERS

			85	EA	20MM CORPORATION STOP
			5	EA	50MM CORPORATION STOP
			2	EA	***MM GATE VALVE & VALVE BOX, ***MPA WP (100MM, 1.38MPA)
667	M	SUPPORTS, 4.5KG STEEL U-CHANNEL			
9	EA	SIGN ERECTION, TYPE D	3	EA	***MM GATE VALVE & VALVE BOX, ***MPA WP (50MM, 1.38MPA)
112	EA	SIGN ERECTION, TYPE E			
12	EA	SIGN ERECTION, TYPE F	40	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
1	EA	RELOCATE SIGN, TYPE ***** (D)	16	EA	200MM GATE VALVE & VALVE BOX, ***MPA WP (1.38MPA)
9	EA	RELOCATE SIGN, TYPE ***** (E)	10	EA	300MM GATE VALVE & VALVE BOX, ***MPA WP (2.41MPA)
137	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL			
64	M2	WORK ZONE SIGNS (STATIONARY)	1	EA	*** X ****MM TAPPING SLEEVE, VALVE & VALVE BOX, ***MPA WP (300MM X 200MM, 2.41MPA)
100	M2	WORK ZONE SIGNS (PORTABLE)	1	EA	*** X ****MM TAPPING SLEEVE, VALVE & VALVE BOX, ***MPA WP (300MM X 300MM, 2.41MPA)
3	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	46	EA	*** X ****MM TAPPING SADDLE (200MM X 20MM)
4	EA	FLASHING ARROW PANELS, TYPE C	2	EA	*** X ****MM TAPPING SADDLE (200MM X 50MM)
2	EA	CHANGEABLE MESSAGE SIGNS	38	EA	*** X ****MM TAPPING SADDLE (300MM X 20MM)
15	EA	WARNING FLAG SETS	3	EA	*** X ****MM TAPPING SADDLE (300MM X 50MM)
400	EA	DRUMS	1	EA	*** X ****MM TAPPING SADDLE (50MM X 20MM)
400	EA	CONES			
130	M	BARRICADES (TYPE III)	85	EA	RELOCATE EXISTING WATER METER
3,840	HR	FLAGGER	25	EA	RELOCATE EXISTING FIRE HYDRANT
4	EA	TEMPORARY CRASH CUSHIONS	468.2	KG	DUCTILE IRON SEWER PIPE FITTINGS, 1.72MPA MIN WP
2	EA	RESET TEMPORARY CRASH CUSHIONS	1,853	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (AC WATER MAIN)
2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)	1	EA	GENERIC UTILITY ITEM 300MM TRANSITION COUPLING, (AC TO DI)
114	M	PORTABLE CONCRETE BARRIER	676.9	M	GENERIC UTILITY ITEM 100MM PVC SEWER PIPE, SDR 21
220	M	PORTABLE CONCRETE BARRIER (ANCHORED)	969.8	M	GENERIC UTILITY ITEM 150MM PVC SEWER PIPE, SDR21
114	M	RESET PORTABLE CONCRETE BARRIER	1,056	M	GENERIC UTILITY ITEM 200MM PVC SEWER PIPE, SDR21
2,680	EA	TEMPORARY RAISED PAVEMENT MARKERS	101.5	M	GENERIC UTILITY ITEM 250MM PVC SEWER PIPE, SDR21
1,200	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	126.5	M	GENERIC UTILITY ITEM 300MM PVC SEWER PIPE, SDR21
18,820	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	1,610	M	TEMPORARY SILT FENCE
330	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)	1,725	MTN	STONE FOR EROSION CONTROL, CLASS A
120	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	4,260	MTN	STONE FOR EROSION CONTROL, CLASS B
440	M	THERMOPLASTIC RUMBLE STRIP (100MM, 6.2MM)	5,500	MTN	SEDIMENT CONTROL STONE
24	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)	22.5	HA	TEMPORARY MULCHING
263	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)	875	KG	SEED FOR TEMPORARY SEEDING
88,980	M	PAINT PAVEMENT MARKING LINES (100MM)	7	MTN	FERTILIZER FOR TEMPORARY SEEDING
1,060	M	PAINT PAVEMENT MARKING LINES (200MM)	20	M	TEMPORARY SLOPE DRAINS
1,340	M	PAINT PAVEMENT MARKING LINES (600MM)	2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
74	EA	PAINT PAVEMENT MARKING CHARACTER	20,700	M3	SILT EXCAVATION
740	EA	PAINT PAVEMENT MARKING SYMBOL	5,500	M2	SYNTHETIC ROVING
11,040	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	2,800	M2	MATTING FOR EROSION CONTROL
250	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	20	M2	PERMANENT SOIL REINFORCEMENT MAT
120	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)	2,450	M	6.4MM HARDWARE CLOTH
23	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	60	M	***MM TEMPORARY PIPE (450MM)
2,240	EA	PERMANENT RAISED PAVEMENT MARKERS	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (800MM X 800MM X 800MM)
3	EA	2.1M U-CHANNEL POSTS	90	M3	STILLING BASINS
3	EA	OBJECT MARKERS (END OF ROAD)	21	HA	SEEDING & MULCHING
800	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (V)	12.5	HA	MOWING
800	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (V)	275	KG	SEED FOR REPAIR SEEDING
45.6	M	150MM DI WATER PIPE, PC 2.41MPA	1	MTN	FERTILIZER FOR REPAIR SEEDING
70	M	50MM PVC WATER PIPE, SDR 21, 1.38MPA WP	575	KG	SEED FOR SUPPLEMENTAL SEEDING
375	M	***MM PVC WATER PIPE, (C-900), DR ****, ***MPA WP (150MM, DR18, 1.03MPA)	34.5	MTN	FERTILIZER TOPDRESSING
2,806.8	M	***MM PVC WATER PIPE, (C-900), DR ****, ***MPA WP (200MM, DR18, 1.03MPA)	0.1	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)
2,518	M	***MM PVC WATER PIPE, (C-900), DR ****, ***MPA WP (300MM, DR18, 1.03MPA)	90	M	IMPERVIOUS DIKE
2,227	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	3	HR	SPECIALIZED HAND MOWING
1,100	M	20MM PE WATER TUBING, SDR 9, ***MPA WP (1.38MPA)	32	EA	RESPONSE FOR EROSION CONTROL
			2	HA	REFORESTATION
			0.18	HA	STREAMBANK REFORESTATION
			750	M2	GENERIC EROSION CONTROL ITEM COIR FIBER MATTING
			985	M	SIGNAL CABLE

27	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
11	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
575	M	MESSENGER CABLE (9.52MM)
8	EA	WOOD POLE
16	EA	GUY ASSEMBLY
4	EA	25MM RISER WITH WEATHERHEAD
8	EA	50MM RISER WITH WEATHERHEAD
2	EA	LOOP EMULATOR DETECTION SYSTEM
8	EA	METAL STRAIN SIGNAL POLE
8	EA	METAL SIGNAL POLE FOUNDATION
5	EA	SIGN FOR SIGNALS
2	EA	SIGNAL CABINET FOUNDATION
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (60+56.700-L-)
112	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
186.8	M3	CLASS A CONCRETE (CULVERT)
17,768	KG	REINFORCING STEEL (CULVERT)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 023

CONTRACT ID : C200796 34355.3.9

DIV OFFICE ALBEMARLE

LENGTH = 9.623 KM

COUNTY : STANLY

WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.

MBE GOAL 10.0% WBE 5.0% COMPLETION DATE : JUL 01 2007

NC-24 & NC-27 FROM EAST OF ISLAND CREEK TO EAST OF BIG BEAR CREEK.

ROADWAY ITEMS					
			34.8	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
			13	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
			1	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
			4	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
			3	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)			
0.8	HA	SUPPLEMENTARY CLEARING & GRUBBING			
3	EA	SEALING ABANDONED WELLS			
283,000	M3	UNCLASSIFIED EXCAVATION	1,529.9	M	PIPE REMOVAL
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (133+30.657)	Lump Sum	LS	FINE GRADING
			2,300	KG	SEALING EXISTING PAVEMENT CRACKS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (133+35.466)	58,390	M2	LIME TREATED SOIL (SLURRY METHOD)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (155+25.875 -EBL-)	660	MTN	LIME FOR LIME TREATED SOIL
			700	MTN	STABILIZER AGGREGATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (155+25.875 -WBL-)	73,900	MTN	AGGREGATE BASE COURSE
			136,230	M2	***MM SOIL CEMENT BASE (180MM)
4,100	M3	UNDERCUT EXCAVATION	4,130	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
350	MTN	CLASS IV SUBGRADE STABILIZATION	1,320	MTN	AGGREGATE FOR SOIL CEMENT BASE
54,600	M3	BORROW EXCAVATION	92,640	L	ASPHALT CURING SEAL
1,990	M3	DRAINAGE DITCH EXCAVATION	200	MTN	INCIDENTAL STONE BASE
1,190	M	BERM DITCH CONSTRUCTION	17,500	M2	MILLING ASPHALT PAVEMENT, **MM DEPTH (55MM)
1,200	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	2,130	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
11,250	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	22,780	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
45	HR	PROOF ROLLING	1,075	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
500	M3	SELECT GRANULAR MATERIAL	44,060	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
500	M2	FABRIC FOR SOIL STABILIZATION	2,800	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
70	M2	TEMPORARY SHORING	39,280	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
3,470	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	3,375	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
8.4	M	*****MM SIDE DRAIN PIPE (400MM)	2,555	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
22.8	M	*****MM SIDE DRAIN PIPE (900MM)	25	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
253.2	M	375MM SIDE DRAIN PIPE	83	M3	SUBDRAIN EXCAVATION
20.4	M	450MM SIDE DRAIN PIPE	42	M3	SUBDRAIN FINE AGGREGATE
18	M	300MM RC PIPE CULVERTS, CLASS III	100	M	150MM PERFORATED SUBDRAIN PIPE
5,869.2	M	375MM RC PIPE CULVERTS, CLASS III	9	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
1,990.8	M	450MM RC PIPE CULVERTS, CLASS III	1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
950.4	M	600MM RC PIPE CULVERTS, CLASS III	2	M	150MM OUTLET PIPE (SUBDRAINS)
655.2	M	750MM RC PIPE CULVERTS, CLASS III	10	MTN	BLOTTING SAND
375.6	M	900MM RC PIPE CULVERTS, CLASS III	29.08	M3	ENDWALLS
109.2	M	1050MM RC PIPE CULVERTS, CLASS III	4.28	M3	REINFORCED ENDWALLS
297.6	M	1200MM RC PIPE CULVERTS, CLASS III	6.2	M3	PIPE COLLARS
27.6	M	1350MM RC PIPE CULVERTS, CLASS III	4.463	M3	PIPE PLUGS
91.2	M	1500MM RC PIPE CULVERTS, CLASS III	251	EA	MASONRY DRAINAGE STRUCTURES
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (450MM X 375MM X 450MM)	6	EA	FRAME WITH TWO GRATES, STD 840.16
15.6	M	***MM CS PIPE CULVERTS, *****MM THICK (1800MM, 3.51MM)	208	EA	FRAME WITH TWO GRATES, STD 840.24
98.4	M	400MM CS PIPE CULVERTS, 1.63MM THICK	11	EA	FRAME WITH TWO GRATES, STD 840.29
14.4	M	600MM CS PIPE CULVERTS, 1.63MM THICK	6	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
148.8	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	12	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
6	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	1	EA	GENERIC DRAINAGE ITEM CONC ENERGY DISSIPATOR AT STA 68+95.00-L
64.8	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	1	EA	GENERIC DRAINAGE ITEM RIP-RAPPED ENERGY DISSIPATOR
			1	EA	GENERIC DRAINAGE ITEM SPECIAL JB AT STA 100+38.30-L-

640	M	*** X ***MM CONCRETE CURB (200MM X 450MM)	100	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)
1,600	M	750MM CONCRETE CURB & GUTTER	270	M	CURING COMPOUND REMOVAL, LINES
420	M	SHOULDER BERM GUTTER	2	EA	CURING COMPOUND REMOVAL, SYMBOLS & CHARACTERS
1	EA	MODIFIED CONCRETE FLUME	2,750	EA	PERMANENT RAISED PAVEMENT MARKERS
95	M	CONCRETE EXPRESSWAY GUTTER	1,540	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
35	M2	CONCRETE WHEELCHAIR RAMPS	1,540	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
1,315	M2	150MM CONCRETE DRIVEWAY	76	MTN	PAVEMENT REPAIR FOR UTILITY WORK
180	M2	100MM CONCRETE PAVED DITCH	943.5	M	150MM DI WATER PIPE, PC 2.41MPA
605	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	66	M	200MM DI WATER PIPE, PC 2.41MPA
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	564	M	300MM DI WATER PIPE, PC 2.41MPA
1,802.13	M	STEEL BM GUARDRAIL	8,188	M	400MM DI WATER PIPE, PC ***MPA (1.72MPA)
10	EA	ADDITIONAL GUARDRAIL POSTS	21,133	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP
20	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	2,006.5	M	20MM PE WATER TUBING, SDR 9, ****MPA WP (1.38MPA WP)
16	EA	GUARDRAIL ANCHOR UNITS, TYPE III	91	EA	20MM CORPORATION STOP
20	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	1	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (100MM, 1.38MPA WP)
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	17	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (400MM, 1.38MPA WP)
1,255	M	REMOVE EXISTING GUARDRAIL	3	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (50MM, 1.38MPA WP)
373.38	M	TEMPORARY STEEL BM GUARDRAIL	2	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (75MM, 1.38MPA WP)
45.72	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)	46	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
3	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)	1	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA WP)
9	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	2	EA	300MM GATE VALVE & VALVE BOX, ****MPA WP (1.38MPA WP)
1,170	M	WOVEN WIRE FENCE, 1200MM FABRIC	9	EA	*** X ***MM TAPPING SADDLE (150MM X 20MM)
232	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	8	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)
72	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	74	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)
50	M	WOVEN WIRE FENCE RESET	1	EA	***MM AIR RELEASE VALVE & MANHOLE (100MM)
320.04	M	RELAPPING GUARDRAIL	1	EA	***MM AIR RELEASE VALVE & MANHOLE (400MM)
395	MTN	PLAIN RIP RAP, CLASS I	2	EA	***MM AIR RELEASE VALVE & MANHOLE (75MM)
1,200	MTN	PLAIN RIP RAP, CLASS B	8	EA	150MM TRANSITION COUPLING, ***** (AC, DI)
4,865	M2	FILTER FABRIC FOR DRAINAGE	3	EA	300MM TRANSITION COUPLING, ***** (AC, DI)
40	M2	WORK ZONE SIGNS (STATIONARY)	1	EA	400MM TRANSITION COUPLING, ***** (AC, DI)
36	M2	WORK ZONE SIGNS (PORTABLE)	101	EA	RELOCATE EXISTING WATER METER
49	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	35	EA	RELOCATE EXISTING FIRE HYDRANT
2	EA	FLASHING ARROW PANELS, TYPE C	787	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (100MM, SDR 21)
7	EA	WARNING FLAG SETS	660	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (150MM, SDR 21)
900	EA	DRUMS	32	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (38MM, SDR 21)
150	EA	CONES	41	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (50MM, SDR 21)
450	M	BARRICADES (TYPE III)	1,941	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (75MM, SDR 21)
4,800	HR	FLAGGER	642	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (150MM, AC WATER)
5	EA	WARNING LIGHTS (TYPE B)	16	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, AC WATER)
10	EA	TEMPORARY CRASH CUSHIONS	2,769	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (AC WATER)
10	EA	RESET TEMPORARY CRASH CUSHIONS			
2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)			
430	M	PORTABLE CONCRETE BARRIER			
10	EA	GUIDE SIGN RELOCATION - TEMP (GROUND TO GROUND MOUNTED SIGNS)			
237	M2	TEMPORARY GUIDE SIGN (GROUND MOUNTED SIGNS)			
1,170	EA	TEMPORARY RAISED PAVEMENT MARKERS			
36,300	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)			
18,063	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)			
5,150	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)			
310	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)			
12	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)			
224	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)			
586	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES (100MM)			
241,123	M	PAINT PAVEMENT MARKING LINES (100MM)			
10,478	M	PAINT PAVEMENT MARKING LINES (200MM)			
1,580	M	PAINT PAVEMENT MARKING LINES (600MM)			
48	EA	PAINT PAVEMENT MARKING CHARACTER			
576	EA	PAINT PAVEMENT MARKING SYMBOL			
7,530	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)			

				1	EA	BEACON CONTROLLER ASSEMBLY & CABINET (*****) (F1)		
293	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (DI WATER)		12	EA	GENERIC SIGNAL ITEM SOIL TEST		
6,949	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (AC WATER)		45.75	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1067MM)		
1,224	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)						
698	M	***MM PVC ENCASEMENT PIPE (50MM)						
1	EA	GENERIC UTILITY ITEM 100MM CHECK VALVE, 1.38MPA WP		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (118+73.500 -L-)		
3	EA	GENERIC UTILITY ITEM 50MM CHECK VALVE, 1.38MPA WP		Lump Sum	LS	CULVERT EXCAVATION, STA ***** (118+73.500 -L-)		
2	EA	GENERIC UTILITY ITEM 75MM CHECK VALVE, 1.38MPA WP		131	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT		
2	EA	GENERIC UTILITY ITEM 75MM FLUSHING CONNECTION		173.1	M3	CLASS A CONCRETE (CULVERT)		
224	M	GENERIC UTILITY ITEM 500MM HDPE WATER PIPE, 1.38MPA WP		13,490	KG	REINFORCING STEEL (CULVERT)		
0.21	M3	GENERIC UTILITY ITEM PRECAST CONCRETE ENDWALL						
Lump Sum	LS	GENERIC UTILITY ITEM GRINDER PUMP STATION						
1,800	M	TEMPORARY SILT FENCE		Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (133+32.900 -L-LT)		
690	MTN	STONE FOR EROSION CONTROL, CLASS A		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (133+32.900 -L-LT)		
15,650	MTN	STONE FOR EROSION CONTROL, CLASS B		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (155+26.000 -L-LT)		
7,565	MTN	SEDIMENT CONTROL STONE		20.7	M	****MM DIA DRILLED PIERS IN SOIL (1066MM)		
44.5	HA	TEMPORARY MULCHING		33.3	M	****MM DIA DRILLED PIERS IN SOIL (1220MM)		
1,750	KG	SEED FOR TEMPORARY SEEDING		31.2	M	****MM DIA DRILLED PIERS NOT IN SOIL (1066MM)		
14.25	MTN	FERTILIZER FOR TEMPORARY SEEDING		42	M	****MM DIA DRILLED PIERS NOT IN SOIL (1220MM)		
195	M	TEMPORARY SLOPE DRAINS		25.4	M	PERMANENT STEEL CASING FOR ****MM DRILLED PIER (1066MM)		
18	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS		16.6	M	PERMANENT STEEL CASING FOR ****MM DRILLED PIER (1220MM)		
56,750	M3	SILT EXCAVATION		8	EA	CROSSHOLE SONIC LOGGING		
9,625	M2	SYNTHETIC ROVING		590.1	M	CSL TUBES		
12,175	M2	MATTING FOR EROSION CONTROL		1,744	M3	UNCLASSIFIED STRUCTURE EXCAVATION		
1,655	M	6.4MM HARDWARE CLOTH		2,933.3	M2	REINFORCED CONCRETE DECK SLAB		
35	M	***MM TEMPORARY PIPE (1050MM)		2,487.7	M2	GROOVING BRIDGE FLOORS		
9	EA	***X***X****MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (400MM X 400MM X 400MM)		401.3	M3	CLASS A CONCRETE (BRIDGE)		
16	EA	SPECIAL STILLING BASINS		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (133+32.900 -L-LT)		
42	HA	SEEDING & MULCHING		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (133+32.900 -L-LT)		
25	HA	MOWING		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+26.000 -L-LT)		
550	KG	SEED FOR REPAIR SEEDING		Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+26.000 -L-LT)		
2	MTN	FERTILIZER FOR REPAIR SEEDING		50,201	KG	REINFORCING STEEL (BRIDGE)		
1,175	KG	SEED FOR SUPPLEMENTAL SEEDING		7,556	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)		
70	MTN	FERTILIZER TOPDRESSING		384.544	M	1143MM PRESTRESSED CONCRETE GIRDERS		
0.3	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)		789.7	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS		
35	M	IMPERVIOUS DIKE		355.5	M	HP310X79 STEEL PILES		
14	HR	SPECIALIZED HAND MOWING		64	EA	STEEL PILE POINTS		
24	EA	RESPONSE FOR EROSION CONTROL		475.758	M	CONCRETE BARRIER RAIL		
5	HA	REFORESTATION		1,916	MTN	PLAIN RIP RAP CLASS II (600MM THICK)		
2,340	M	SIGNAL CABLE		1,953	M2	FILTER FABRIC FOR DRAINAGE		
16	EA	VEHICLE SIGNAL HEAD (300MM, 1 SECTION)		Lump Sum	LS	ELASTOMERIC BEARINGS		
43	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)		Lump Sum	LS	EVAZOTE JOINT SEALS		
2	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)						
26	EA	BACKPLATE						
16	EA	RELOCATE EXISTING VEHICLE SIGNAL HEAD						
1,190	M	MESSENGER CABLE (9.52MM)						
17.5	M	JACK & BORE						
20	M	TRENCHING (PAVED)						
2,760	M	TRENCHING (UNPAVED)						
41	EA	JUNCTION BOX (STANDARD SIZE)						
11	EA	WOOD POLE						
20	EA	GUY ASSEMBLY						
3	EA	25MM RISER WITH WEATHERHEAD						
11	EA	50MM RISER WITH WEATHERHEAD						
3,380	M	INDUCTIVE LOOP SAWCUT						
6,810	M	LEAD-IN CABLE						
12	EA	METAL STRAIN SIGNAL POLE						
14	EA	SIGN FOR SIGNALS						
3	EA	SIGNAL CABINET FOUNDATION						
3	EA	CABINET BASE ADAPTER						
3	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)						
36	EA	DETECTOR CHANNEL (TYPE 2070L)						

CULVERT ITEMS

STRUCTURE ITEMS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 024

CONTRACT ID : C201055 34355.3.10

DIV OFFICE ALBEMARLE

LENGTH = 15.123 KM

COUNTY : STANLY

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

MBE GOAL 10.0% WBE 5.0% COMPLETION DATE : JUL 01 2007

NC-24 & NC-27 FROM WEST OF SR-1142 (BROWN'S HILL RD) AT LOCUST WEST CITY LIMITS TO EAST OF BIG BEAR CREEK.

ROADWAY ITEMS						
			1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (450MM X 450MM X 600MM)	
Lump Sum	LS	MOBILIZATION	2	EA	*** X *** X ***MM RC PIPE TEES CLASS III (600MM X 600MM X 300MM)	
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (750MM X 750MM X 375MM)	
2	HA	SUPPLEMENTARY CLEARING & GRUBBING	15.6	M	***MM CS PIPE CULVERTS, ****MM THICK (1800MM, 3.51MM)	
3	EA	SEALING ABANDONED WELLS	98.4	M	400MM CS PIPE CULVERTS, 1.63MM THICK	
318,500	M3	UNCLASSIFIED EXCAVATION	14.4	M	600MM CS PIPE CULVERTS, 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (133+30.657)	248.8	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (133+35.466)	43.2	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (155+25.875 -EBL-)	80.4	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (155+25.875 -WBL-)	54	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK	
7,100	M3	UNDERCUT EXCAVATION	22	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
350	MTN	CLASS IV SUBGRADE STABILIZATION	4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
54,600	M3	BORROW EXCAVATION	6	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	
4,180	M3	DRAINAGE DITCH EXCAVATION	3	EA	800MM BIT COAT CS PIPE ELBOWS, TYPE B 2.01MM THICK	
1,360	M	BERM DITCH CONSTRUCTION	4,784.9	M	PIPE REMOVAL	
12,275	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	Lump Sum	LS	FINE GRADING	
11,250	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	2,450	KG	SEALING EXISTING PAVEMENT CRACKS	
45	HR	PROOF ROLLING	58,390	M2	LIME TREATED SOIL (SLURRY METHOD)	
500	M3	SELECT GRANULAR MATERIAL	660	MTN	LIME FOR LIME TREATED SOIL	
500	M2	FABRIC FOR SOIL STABILIZATION	1,700	MTN	STABILIZER AGGREGATE	
70	M2	TEMPORARY SHORING	75,690	MTN	AGGREGATE BASE COURSE	
5,570	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	136,230	M2	***MM SOIL CEMENT BASE (180MM)	
32.4	M	*****MM SIDE DRAIN PIPE (400MM)	4,130	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE	
22.8	M	*****MM SIDE DRAIN PIPE (900MM)	1,320	MTN	AGGREGATE FOR SOIL CEMENT BASE	
366	M	375MM SIDE DRAIN PIPE	92,640	L	ASPHALT CURING SEAL	
32.4	M	450MM SIDE DRAIN PIPE	350	MTN	INCIDENTAL STONE BASE	
1,014	M	300MM RC PIPE CULVERTS, CLASS III	17,500	M2	MILLING ASPHALT PAVEMENT, ***MM DEPTH (55MM)	
8,514	M	375MM RC PIPE CULVERTS, CLASS III	2,130	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	
3,165.6	M	450MM RC PIPE CULVERTS, CLASS III	45,640	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C	
1,756.8	M	600MM RC PIPE CULVERTS, CLASS III	1,075	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	
1,041.6	M	750MM RC PIPE CULVERTS, CLASS III	66,440	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
496.8	M	900MM RC PIPE CULVERTS, CLASS III	2,800	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
142.8	M	1050MM RC PIPE CULVERTS, CLASS III	58,740	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
462	M	1200MM RC PIPE CULVERTS, CLASS III	5,410	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	
62.4	M	1350MM RC PIPE CULVERTS, CLASS III	3,805	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	
91.2	M	1500MM RC PIPE CULVERTS, CLASS III	650	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR	
2	EA	*** X *** X ***MM RC PIPE TEES CLASS III (300MM X 300MM X 300MM)	359	M3	SUBDRAIN EXCAVATION	
2	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 300MM X 300MM)	249	M3	SUBDRAIN FINE AGGREGATE	
10	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 300MM)	600	M	150MM PERFORATED SUBDRAIN PIPE	
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	60	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS	
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (450MM X 375MM X 450MM)	5	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	
			10	M	150MM OUTLET PIPE (SUBDRAINS)	
			10	MTN	BLOTTING SAND	
			42.08	M3	ENDWALLS	
			11.88	M3	REINFORCED ENDWALLS	
			20.2	M3	PIPE COLLARS	

			9	EA	RELOCATE SIGN, TYPE ***** (E)
			137	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
4.963	M3	PIPE PLUGS	104	M2	WORK ZONE SIGNS (STATIONARY)
515	EA	MASONRY DRAINAGE STRUCTURES	136	M2	WORK ZONE SIGNS (PORTABLE)
3.16	M3	MASONRY DRAINAGE STRUCTURES	52	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
35.7	M	MASONRY DRAINAGE STRUCTURES			
75	EA	FRAME WITH TWO GRATES, STD 840.16	6	EA	FLASHING ARROW PANELS, TYPE C
208	EA	FRAME WITH TWO GRATES, STD 840.24	2	EA	CHANGEABLE MESSAGE SIGNS
27	EA	FRAME WITH TWO GRATES, STD 840.29	22	EA	WARNING FLAG SETS
16	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	1,300	EA	DRUMS
80	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	550	EA	CONES
92	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	580	M	BARRICADES (TYPE III)
7	EA	FRAME WITH COVER, STD 840.54	8,640	HR	FLAGGER
1	EA	GENERIC DRAINAGE ITEM CONC ENERGY DISSIPATOR AT STA 68+95.00-L	5	EA	WARNING LIGHTS (TYPE B)
1	EA	GENERIC DRAINAGE ITEM RIP-RAPPED ENERGY DISSIPATOR	14	EA	TEMPORARY CRASH CUSHIONS
1	EA	GENERIC DRAINAGE ITEM SPECIAL JB AT STA 100+38.30-L	12	EA	RESET TEMPORARY CRASH CUSHIONS
1,250	M	*** X ***MM CONCRETE CURB (200MM X 150MM)	2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)
640	M	*** X ***MM CONCRETE CURB (200MM X 450MM)	2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
16	M	450MM CONCRETE CURB & GUTTER	544	M	PORTABLE CONCRETE BARRIER
10,940	M	750MM CONCRETE CURB & GUTTER	220	M	PORTABLE CONCRETE BARRIER (ANCHORED)
420	M	SHOULDER BERM GUTTER	114	M	RESET PORTABLE CONCRETE BARRIER
1	EA	MODIFIED CONCRETE FLUME	10	EA	GUIDE SIGN RELOCATION - TEMP (GROUND TO GROUND MOUNTED SIGNS)
95	M	CONCRETE EXPRESSWAY GUTTER	237	M2	TEMPORARY GUIDE SIGN (GROUND MOUNTED SIGNS)
13,530	M2	100MM CONCRETE SIDEWALK	3,850	EA	TEMPORARY RAISED PAVEMENT MARKERS
570	M2	CONCRETE WHEELCHAIR RAMPS	37,500	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
6,055	M2	150MM CONCRETE DRIVEWAY	36,883	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
340	M2	100MM CONCRETE PAVED DITCH	5,150	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
870	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	330	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)
1	EA	ADJUSTMENT OF CATCH BASINS	430	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX	440	M	THERMOPLASTIC RUMBLE STRIP (100MM, 6.2MM)
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE COVER	36	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
2	EA	CONVERT EXISTING JUNCTION BOX TO CATCH BASIN	487	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
2,156.46	M	STEEL BM GUARDRAIL	586	M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES (100MM)
20	EA	ADDITIONAL GUARDRAIL POSTS	330,103	M	PAINT PAVEMENT MARKING LINES (100MM)
25	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	11,538	M	PAINT PAVEMENT MARKING LINES (200MM)
16	EA	GUARDRAIL ANCHOR UNITS, TYPE III	2,920	M	PAINT PAVEMENT MARKING LINES (600MM)
25	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	122	EA	PAINT PAVEMENT MARKING CHARACTER
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350	1,316	EA	PAINT PAVEMENT MARKING SYMBOL
1,425	M	REMOVE EXISTING GUARDRAIL	18,570	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
438.15	M	TEMPORARY STEEL BM GUARDRAIL	250	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)
45.72	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)	220	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)
3	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (AT-1)	23	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
11	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY	270	M	CURING COMPOUND REMOVAL, LINES
1,198	M	WOVEN WIRE FENCE, 1200MM FABRIC	2	EA	CURING COMPOUND REMOVAL, SYMBOLS & CHARACTERS
237	EA	100MM TIMBER FENCE POSTS, 2.30M LONG	4,990	EA	PERMANENT RAISED PAVEMENT MARKERS
76	EA	125MM TIMBER FENCE POSTS, 2.50M LONG	3	EA	2.1M U-CHANNEL POSTS
50	M	WOVEN WIRE FENCE RESET	3	EA	OBJECT MARKERS (END OF ROAD)
320.04	M	RELAPPING GUARDRAIL	800	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (V)
955	MTN	PLAIN RIP RAP, CLASS I	1,540	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
85	MTN	PLAIN RIP RAP, CLASS A	1,540	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
1,740	MTN	PLAIN RIP RAP, CLASS B	800	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (V)
9,405	M2	FILTER FABRIC FOR DRAINAGE	76	MTN	PAVEMENT REPAIR FOR UTILITY WORK
200	MTN	GENERIC EROSION CONTROL ITEM BOULDERS	989.1	M	150MM DI WATER PIPE, PC 2.41MPA
667	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	66	M	200MM DI WATER PIPE, PC 2.41MPA
9	EA	SIGN ERECTION, TYPE D	564	M	300MM DI WATER PIPE, PC 2.41MPA
112	EA	SIGN ERECTION, TYPE E			
12	EA	SIGN ERECTION, TYPE F			
1	EA	RELOCATE SIGN, TYPE ***** (D)			

			1,941	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (75MM, SDR 21)
8,188	M	400MM DI WATER PIPE, PC ***MPA (1.72MPA)	468.2	KG	DUCTILE IRON SEWER PIPE FITTINGS, 1.72MPA MIN WP
70	M	50MM PVC WATER PIPE, SDR 21, 1.38MPA WP	642	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (150MM, AC WATER)
375	M	***MM PVC WATER PIPE, (C-900), DR ****, *****MPA WP (150MM, DR18, 1.03MPA)	16	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, AC WATER)
2,806.8	M	***MM PVC WATER PIPE, (C-900), DR ****, *****MPA WP (200MM, DR18, 1.03MPA)	4,622	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (AC WATER)
2,518	M	***MM PVC WATER PIPE, (C-900), DR ****, *****MPA WP (300MM, DR18, 1.03MPA)	293	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (DI WATER)
23,360	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	6,949	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (AC WATER)
3,106.5	M	20MM PE WATER TUBING, SDR 9, *****MPA WP (1.38MPA WP)	1,224	M	FILL OR REMOVE ABANDONED 400MM PIPE, ***** (DI WATER)
176	EA	20MM CORPORATION STOP	698	M	***MM PVC ENCASEMENT PIPE (50MM)
5	EA	50MM CORPORATION STOP			
3	EA	***MM GATE VALVE & VALVE BOX, *****MPA WP (100MM, 1.38MPA WP)	1	EA	GENERIC UTILITY ITEM 100MM CHECK VALVE, 1.38MPA WP
17	EA	***MM GATE VALVE & VALVE BOX, *****MPA WP (400MM, 1.38MPA WP)	1	EA	GENERIC UTILITY ITEM 300MM TRANSITION COUPLING, (AC TO DI)
6	EA	***MM GATE VALVE & VALVE BOX, *****MPA WP (50MM, 1.38MPA WP)	3	EA	GENERIC UTILITY ITEM 50MM CHECK VALVE, 1.38MPA WP
2	EA	***MM GATE VALVE & VALVE BOX, *****MPA WP (75MM, 1.38MPA WP)	2	EA	GENERIC UTILITY ITEM 75MM CHECK VALVE, 1.38MPA WP
86	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	2	EA	GENERIC UTILITY ITEM 75MM FLUSHING CONNECTION
17	EA	200MM GATE VALVE & VALVE BOX, *****MPA WP (1.38MPA WP)	676.9	M	GENERIC UTILITY ITEM 100MM PVC SEWER PIPE, SDR 21
2	EA	300MM GATE VALVE & VALVE BOX, *****MPA WP (1.38MPA WP)	969.8	M	GENERIC UTILITY ITEM 150MM PVC SEWER PIPE, SDR21
10	EA	300MM GATE VALVE & VALVE BOX, *****MPA WP (2.41MPA WP)	1,056	M	GENERIC UTILITY ITEM 200MM PVC SEWER PIPE, SDR21
1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, *****MPA WP (300MM X 200MM, 2.41MPA)	101.5	M	GENERIC UTILITY ITEM 250MM PVC SEWER PIPE, SDR21
1	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, *****MPA WP (300MM X 300MM, 2.41MPA)	126.5	M	GENERIC UTILITY ITEM 300MM PVC SEWER PIPE, SDR21
9	EA	*** X ***MM TAPPING SADDLE (150MM X 20MM)	224	M	GENERIC UTILITY ITEM 500MM HDPE WATER PIPE, 1.38MPA WP
46	EA	*** X ***MM TAPPING SADDLE (200MM X 20MM)	0.21	M3	GENERIC UTILITY ITEM PRECAST CONCRETE ENDWALL
2	EA	*** X ***MM TAPPING SADDLE (200MM X 50MM)	Lump Sum	LS	GENERIC UTILITY ITEM GRINDER PUMP STATION
46	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)	3,410	M	TEMPORARY SILT FENCE
3	EA	*** X ***MM TAPPING SADDLE (300MM X 50MM)	2,415	MTN	STONE FOR EROSION CONTROL, CLASS A
74	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)	19,910	MTN	STONE FOR EROSION CONTROL, CLASS B
1	EA	*** X ***MM TAPPING SADDLE (50MM X 20MM)	13,065	MTN	SEDIMENT CONTROL STONE
1	EA	***MM AIR RELEASE VALVE & MANHOLE (100MM)	67	HA	TEMPORARY MULCHING
1	EA	***MM AIR RELEASE VALVE & MANHOLE (400MM)	2,625	KG	SEED FOR TEMPORARY SEEDING
2	EA	***MM AIR RELEASE VALVE & MANHOLE (75MM)	21.25	MTN	FERTILIZER FOR TEMPORARY SEEDING
8	EA	150MM TRANSITION COUPLING, ***** (AC, DI)	215	M	TEMPORARY SLOPE DRAINS
3	EA	300MM TRANSITION COUPLING, ***** (AC, DI)	20	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1	EA	400MM TRANSITION COUPLING, ***** (AC, DI)	77,450	M3	SILT EXCAVATION
186	EA	RELOCATE EXISTING WATER METER	15,125	M2	SYNTHETIC ROVING
60	EA	RELOCATE EXISTING FIRE HYDRANT	14,975	M2	MATTING FOR EROSION CONTROL
787	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (100MM, SDR 21)	20	M2	PERMANENT SOIL REINFORCEMENT MAT
660	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (150MM, SDR 21)	4,105	M	6.4MM HARDWARE CLOTH
32	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (38MM, SDR 21)	35	M	***MM TEMPORARY PIPE (1050MM)
41	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (50MM, SDR 21)	60	M	***MM TEMPORARY PIPE (450MM)
			9	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (400MM X 400MM X 400MM)
			1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (800MM X 800MM X 800MM)
			90	M3	STILLING BASINS
			16	EA	SPECIAL STILLING BASINS
			63	HA	SEEDING & MULCHING
			37.5	HA	MOWING
			825	KG	SEED FOR REPAIR SEEDING
			3	MTN	FERTILIZER FOR REPAIR SEEDING
			1,750	KG	SEED FOR SUPPLEMENTAL SEEDING
			104.5	MTN	FERTILIZER TOPDRESSING
			0.4	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)
			125	M	IMPERVIOUS DIKE
			17	HR	SPECIALIZED HAND MOWING
			56	EA	RESPONSE FOR EROSION CONTROL

			16.6	M	PERMANENT STEEL CASING FOR ****MM DRILLED PIER (1220MM)
			8	EA	CROSSHOLE SONIC LOGGING
7	HA	REFORESTATION	590.1	M	CSL TUBES
0.18	HA	STREAMBANK REFORESTATION	1,744	M3	UNCLASSIFIED STRUCTURE EXCAVA- TION
750	M2	GENERIC EROSION CONTROL ITEM COIR FIBER MATTING	2,933.3	M2	REINFORCED CONCRETE DECK SLAB
3,325	M	SIGNAL CABLE	2,487.7	M2	GROOVING BRIDGE FLOORS
16	EA	VEHICLE SIGNAL HEAD (300MM, 1 SECTION)	401.3	M3	CLASS A CONCRETE (BRIDGE)
70	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (133+32.900 -L-LT)
13	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (133+32.900 -L-RT)
26	EA	BACKPLATE	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+26.000 -L-LT)
16	EA	RELOCATE EXISTING VEHICLE SIG- NAL HEAD	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+26.000 -L-LT)
1,765	M	MESSENGER CABLE (9.52MM)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (155+26.000 -L-RT)
17.5	M	JACK & BORE	50,201	KG	REINFORCING STEEL (BRIDGE)
20	M	TRENCHING (PAVED)	7,556	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,760	M	TRENCHING (UNPAVED)	384.544	M	1143MM PRESTRESSED CONCRETE GIRDERS
41	EA	JUNCTION BOX (STANDARD SIZE)	789.7	M	MODIFIED 1600MM PRESTRESSED CONC GIRDERS
19	EA	WOOD POLE	355.5	M	HP310X79 STEEL PILES
36	EA	GUY ASSEMBLY	64	EA	STEEL PILE POINTS
7	EA	25MM RISER WITH WEATHERHEAD	475.758	M	CONCRETE BARRIER RAIL
19	EA	50MM RISER WITH WEATHERHEAD	1,916	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
3,380	M	INDUCTIVE LOOP SAWCUT	1,953	M2	FILTER FABRIC FOR DRAINAGE
6,810	M	LEAD-IN CABLE	Lump Sum	LS	ELASTOMERIC BEARINGS
2	EA	LOOP EMULATOR DETECTION SYSTEM	Lump Sum	LS	EVAZOTE JOINT SEALS
20	EA	METAL STRAIN SIGNAL POLE			
8	EA	METAL SIGNAL POLE FOUNDATION			
19	EA	SIGN FOR SIGNALS			
5	EA	SIGNAL CABINET FOUNDATION			
3	EA	CABINET BASE ADAPTER			
5	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)			
36	EA	DETECTOR CHANNEL (TYPE 2070L)			
1	EA	BEACON CONTROLLER ASSEMBLY & CABINET (***** (F1)			
12	EA	GENERIC SIGNAL ITEM SOIL TEST			
45.75	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1067MM)			

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (118+73.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (118+73.500 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (60+56.700-L-)
243	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
359.9	M3	CLASS A CONCRETE (CULVERT)
31,258	KG	REINFORCING STEEL (CULVERT)

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (133+32.900 -L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (133+32.900 -L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (155+26.000 -L-RT)
20.7	M	*****MM DIA DRILLED PIERS IN SOIL (1066MM)
33.3	M	*****MM DIA DRILLED PIERS IN SOIL (1220MM)
31.2	M	*****MM DIA DRILLED PIERS NOT IN SOIL (1066MM)
42	M	*****MM DIA DRILLED PIERS NOT IN SOIL (1220MM)
25.4	M	PERMANENT STEEL CASING FOR *****MM DRILLED PIER (1066MM)

10	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)
3	EA	***MM BLOW OFF ASSEMBLY (150MM)
3	EA	RELOCATE EXISTING FIRE HYDRANT
1	EA	BREAK DOWN & REBUILD EXISTING MANHOLE
10	EA	GENERIC UTILITY ITEM 20MM WATER METER ASSEMBLY
200	M	TEMPORARY SILT FENCE
175	MTN	STONE FOR EROSION CONTROL, CLASS A
700	MTN	STONE FOR EROSION CONTROL, CLASS B
405	MTN	SEDIMENT CONTROL STONE
5.5	HA	TEMPORARY MULCHING
225	KG	SEED FOR TEMPORARY SEEDING
1.75	MTN	FERTILIZER FOR TEMPORARY SEED- ING
60	M	TEMPORARY SLOPE DRAINS
4	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1,500	M3	SILT EXCAVATION
1,050	M2	SYNTHETIC ROVING
1,420	M2	MATting FOR EROSION CONTROL
240	M	6.4MM HARDWARE CLOTH
56	M	***MM TEMPORARY PIPE (450MM)
75	M3	STILLING BASINS
5.5	HA	SEEDING & MULCHING
3	HA	MOWING
75	KG	SEED FOR REPAIR SEEDING
0.25	MTN	FERTILIZER FOR REPAIR SEEDING
150	KG	SEED FOR SUPPLEMENTAL SEEDING
8.5	MTN	FERTILIZER TOPDRESSING
0.05	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)
26	M	IMPERVIOUS DIKE
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.1	HA	REFORESTATION

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (12+61.456 -L-)
80	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
142.8	M3	CLASS A CONCRETE (CULVERT)
11,417	KG	REINFORCING STEEL (CULVERT)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 026

CONTRACT ID : C200802 34797.3.4

DIV OFFICE SHELBY

LENGTH = 6.236 KM

COUNTY : CATAWBA

WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 10.0% COMPLETION DATE : OCT 15 2006

NEWTON-CONOVER LOOP FROM NC-16 SOUTH OF NEWTON TO US-70.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	14.4	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	CONSTRUCTION SURVEYING	217.2	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
Lump Sum	LS	CLEARING & GRUBBING ... HECTARE(S)	27.6	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
1.2	HA	SUPPLEMENTARY CLEARING & GRUBBING	144	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
2	EA	SEALING ABANDONED WELLS	39.6	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
341,500	M3	UNCLASSIFIED EXCAVATION	94.8	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
11,200	M3	UNDERCUT EXCAVATION	4	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (250MM, 1.63MM)
500	M2	PRE-SPLITTING OF ROCK	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (300MM, 1.63MM)
197,300	M3	BORROW EXCAVATION	18	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (400MM, 1.63MM)
8,500	M3	DRAINAGE DITCH EXCAVATION	4	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (450MM, 1.63MM)
715	M	BERM DITCH CONSTRUCTION	13	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (600MM, 1.63MM)
11,950	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	5	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ***MM THICK (900MM, 2.01MM)
2,850	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	973	M	PIPE REMOVAL
3,965	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	Lump Sum	LS	FINE GRADING
30	HR	PROOF ROLLING	100	KG	SEALING EXISTING PAVEMENT CRACKS
2,000	M3	SELECT GRANULAR MATERIAL	76,550	M2	LIME TREATED SOIL (SLURRY METHOD)
2,000	M2	FABRIC FOR SOIL STABILIZATION	845	MTN	LIME FOR LIME TREATED SOIL STABILIZER AGGREGATE
2,605	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	600	MTN	AGGREGATE BASE COURSE
12	M	***MM SIDE DRAIN PIPE (750MM)	59,000	MTN	***MM SOIL CEMENT BASE (180MM)
127.2	M	375MM SIDE DRAIN PIPE	114,970	M2	PORTLAND CEMENT FOR SOIL CEMENT BASE
86.4	M	450MM SIDE DRAIN PIPE	3,450	MTN	AGGREGATE FOR SOIL CEMENT BASE
9.6	M	600MM SIDE DRAIN PIPE	1,553	MTN	ASPHALT CURING SEAL
382.8	M	300MM RC PIPE CULVERTS, CLASS III	500	MTN	INCIDENTAL STONE BASE
3,534	M	375MM RC PIPE CULVERTS, CLASS III	500	M2	MILLING ASPHALT PAVEMENT, ***MM DEPTH (55MM)
1,101.6	M	450MM RC PIPE CULVERTS, CLASS III	5,600	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
832.8	M	600MM RC PIPE CULVERTS, CLASS III	36,300	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
254.4	M	750MM RC PIPE CULVERTS, CLASS III	22,800	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
826.8	M	900MM RC PIPE CULVERTS, CLASS III	1,947	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
14.4	M	1050MM RC PIPE CULVERTS, CLASS III	1,482	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
14.4	M	1200MM RC PIPE CULVERTS, CLASS III	125	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
55.2	M	1800MM RC PIPE CULVERTS, CLASS III	828	M3	SUBDRAIN EXCAVATION
217.2	M	***MM RC PIPE CULVERTS, CLASS IV (1200MM)	414	M3	SUBDRAIN FINE AGGREGATE
68.4	M	***MM RC PIPE CULVERTS, CLASS IV (1500MM)	1,000	M	150MM PERFORATED SUBDRAIN PIPE
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (300MM X 375MM X 450MM)	100	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (300MM X 450MM X 450MM)	7	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	14	M	150MM OUTLET PIPE (SUBDRAINS)
92.4	M	150MM CS PIPE CULVERTS, 1.63MM THICK (SPRING BOX)	10	MTN	BLOTTING SAND
43.2	M	***MM CS PIPE CULVERTS, ***MM THICK (200MM, 1.63MM)	36.9	M3	ENDWALLS
12	M	***MM CS PIPE CULVERTS, ***MM THICK (300MM, 1.63MM)	2.3	M3	REINFORCED ENDWALLS
14.4	M	600MM CS PIPE CULVERTS, 1.63MM THICK	1	M3	PIPE COLLARS
13.2	M	800MM CS PIPE CULVERTS, 2.01MM THICK	232	EA	MASONRY DRAINAGE STRUCTURES
20.4	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK (250MM, 1.63MM)	29.8	M	MASONRY DRAINAGE STRUCTURES
			57	EA	FRAME WITH TWO GRATES, STD 840.16
			5	EA	FRAME WITH TWO GRATES, STD 840.24
			4	EA	FRAME WITH TWO GRATES, STD 840.29

			2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
9	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
57	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	2	EA	SIGN ERECTION, MILEMARKERS
88	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	2	EA	SIGN ERECTION, OVERLAY (OVER- HEAD)
5	EA	FRAME WITH COVER, STD 840.54	4	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)
14	EA	CONCRETE APRON FOR CATCH BASIN	3	EA	RELOCATE SIGN, TYPE ***** (E)
36	EA	CONCRETE APRON FOR DROP INLETS	1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
1	EA	GENERIC DRAINAGE ITEM CONCRETE APRON FOR ENDWALL	27	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
111	M	*** X ***MM CONCRETE CURB (225MM X 300MM)	1	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
6,750	M	450MM CONCRETE CURB & GUTTER	82	M2	WORK ZONE SIGNS (STATIONARY)
13,115	M	750MM CONCRETE CURB & GUTTER	18	M2	WORK ZONE SIGNS (PORTABLE)
365	M	SHOULDER BERM GUTTER	8	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
3,175	M2	100MM CONCRETE SIDEWALK	1	EA	FLASHING ARROW PANELS, TYPE C
355	M2	CONCRETE WHEELCHAIR RAMPS	10	EA	WARNING FLAG SETS
475	M2	150MM CONCRETE DRIVEWAY	500	EA	DRUMS
125	M2	100MM CONCRETE PAVED DITCH	25	EA	CONES
3,430	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)	190	M	BARRICADES (TYPE III)
1	EA	ADJUSTMENT OF CATCH BASINS	2,400	HR	FLAGGER
12	EA	ADJUSTMENT OF MANHOLES	1	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)
30	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	480	M	WATER FILLED BARRIER
3,295.65	M	STEEL BM GUARDRAIL	215	EA	TEMPORARY RAISED PAVEMENT MARKERS
121.9	M	STEEL BM GUARDRAIL, SHOP CURVED	4,540	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
10	EA	ADDITIONAL GUARDRAIL POSTS	11,780	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	50	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
20	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	240	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
26	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	5	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
30	M	CHAIN LINK FENCE, *****MM FABRIC (1800MM)	195	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
9	EA	METAL LINE POSTS FOR *****MM CHAIN LINK FENCE (1800MM)	47,500	M	PAINT PAVEMENT MARKING LINES (100MM)
4	EA	METAL TERMINAL POSTS FOR *****MM CHAIN LINK FENCE (1800MM)	100	M	PAINT PAVEMENT MARKING LINES (200MM)
4	EA	METAL GATE POSTS FOR *****MM CHAIN LINK FENCE, SINGLE GATE (1800MM)	550	M	PAINT PAVEMENT MARKING LINES (600MM)
2	EA	SINGLE GATES, *****MM HIGH, *****MM WIDE, *****MM OPENING (1800MM, 3600MM, 3600MM)	425	EA	PAINT PAVEMENT MARKING SYMBOL
1,070	MTN	PLAIN RIP RAP, CLASS I	1,000	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
210	MTN	PLAIN RIP RAP, CLASS A	300	EA	PERMANENT RAISED PAVEMENT MARKERS
3,600	MTN	PLAIN RIP RAP, CLASS B	1,550	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
9,980	M2	FILTER FABRIC FOR DRAINAGE	3	EA	2.1M U-CHANNEL POSTS
22	M	RAILROAD TRACK TO BE LINED	3	EA	OBJECT MARKERS (END OF ROAD)
17	M	GENERIC TRACKWORK ITEM RAILROAD MAIN TRACK TO BE RAISED	795	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (VI)
323	M	GENERIC TRACKWORK ITEM RAILROAD MAIN TRACK TO BE REMOVED, INCLUDING #10 TURNOUT	795	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
286	M	GENERIC TRACKWORK ITEM RAILROAD RELOCATED MAIN TRACK TO BE CONSTRUCTED (59.9 KG (132 LB) CWR)	154	MTN	PAVEMENT REPAIR FOR UTILITY WORK
22	M	GENERIC TRACKWORK ITEM RAILROAD SPUR TRACK TO BE CON- STRUCTED (45.4 KG-100LB JOINT- ED RAIL)	498	M	150MM DI WATER PIPE, PC 2.41MPA
1	EA	GENERIC TRACKWORK ITEM INSTALL #10 TURNOUT (TURNOUT PROVIDED BY RAILWAY CO.)	124	M	200MM DI WATER PIPE, PC 2.41MPA
22	EA	GENERIC TRACKWORK ITEM TIE REPLACEMENTS	1,671	M	300MM DI WATER PIPE, PC 2.41MPA
1,150	MTN	GENERIC TRACKWORK ITEM STONE BALLAST (GRADE #3 MOD)	97	M	400MM DI WATER PIPE, PC *****MPA (1.72 MPA)
100	MTN	GENERIC TRACKWORK ITEM STONE BALLAST (GRADE #5 MOD)	51	M	20MM COPPER WATER PIPE, TYPE K
2,700	MTN	GENERIC TRACKWORK ITEM SUB-BALLAST (ABC)	4	M	50MM PVC WATER PIPE, SDR 21, 1.38MPA WP
80	M2	GENERIC WALL ITEM PILE/PANEL RETAINING WALL	5,304	KG	DUCTILE IRON WATER PIPE FIT- TINGS, 1.72MPA MIN WP
1,598	M	SUPPORTS, 4.5KG STEEL U-CHANNEL	4	EA	*****MM CORPORATION STOP (20MM)
16	EA	SIGN ERECTION, TYPE D	1	EA	*****MM GATE VALVE & VALVE BOX, *****MPA WP (400MM, 1.72 MPA)
151	EA	SIGN ERECTION, TYPE E	13	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
78	EA	SIGN ERECTION, TYPE F	2	EA	200MM GATE VALVE & VALVE BOX, *****MPA WP (1.38 MPA)
			13	EA	300MM GATE VALVE & VALVE BOX, *****MPA WP (1.38 MPA)

			36.5	HA	SEEDING & MULCHING
			19.5	HA	MOWING
			425	KG	SEED FOR REPAIR SEEDING
2	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (200MM X 150MM, 1.38 MPA)	1.5	MTN	FERTILIZER FOR REPAIR SEEDING
			1,025	KG	SEED FOR SUPPLEMENTAL SEEDING
1	EA	*** X ***MM TAPPING SADDLE (150MM X 20MM)	61	MTN	FERTILIZER TOPDRESSING
3	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)	0.45	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)
6	EA	50MM BLOW OFF ASSEMBLY	200	M	IMPERVIOUS DIKE
10	EA	RELOCATE EXISTING WATER METER	23	HR	SPECIALIZED HAND MOWING
2	EA	FIRE HYDRANT, ****MPA WP (1.03 MPA)	24	EA	RESPONSE FOR EROSION CONTROL
11	EA	RELOCATE EXISTING FIRE HYDRANT	1,225	M3	CULVERT DIVERSION CHANNEL
81	M	***MM DI SEWER PIPE, CLASS *** (200MM, CL 51)	1,440	M	SIGNAL CABLE
12	M	***MM DI SEWER PIPE, PC ****MPA (100MM, 2.41 MPA)	8	EA	VEHICLE SIGNAL HEAD (300MM, 1 SECTION)
142	M	200MM DI SEWER PIPE, PC 2.41MPA	39	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
2	EA	SANITARY SEWER CLEAN-OUT	2	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
5	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	20	M	MESSENGER CABLE (6.35MM)
1	M	PRECAST CONC MANHOLE WALL, ****MM DIA, OVER 1.8M HT (1200MM)	130	M	MESSENGER CABLE (9.52MM)
32	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (100MM, PVC SEWER)	5,900	M	TRACER WIRE
32	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (100MM, PVC WATER)	25	M	TRENCHING (PAVED)
130	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (150MM, PVC WATER))	1,300	M	TRENCHING (UNPAVED)
73	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, PVC WATER)	470	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (1)
80	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, TC SEWER)	5,430	M	TRENCH MULTI-DUCT, 31.75MM (** CONDUIT) (1)
32	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (250MM, PVC SEWER)	51	EA	JUNCTION BOX (STANDARD SIZE)
1,579	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC WATER)	58	EA	JUNCTION BOX (OVER-SIZED)
1	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	6	EA	WOOD POLE
7	EA	BREAK DOWN & REBUILD EXISTING MANHOLE	8	EA	GUY ASSEMBLY
12	M	***MM STEEL ENCASMENT PIPE, ****MM THICK, BY OPEN CUT (600MM, 6.35MM)	1	EA	25MM RISER WITH WEATHERHEAD
38	EA	GENERIC UTILITY ITEM 150MM RESTRAINED RETAINER GLAND	1	EA	50MM RISER WITH WEATHERHEAD
44	EA	GENERIC UTILITY ITEM 200MM RESTRAINED RETAINER GLAND	2,160	M	INDUCTIVE LOOP SAWCUT
67	EA	GENERIC UTILITY ITEM 300MM RESTRAINED RETAINER GLAND	3,185	M	LEAD-IN CABLE
8	EA	GENERIC UTILITY ITEM 400MM RESTRAINED RETAINER GLAND	6,410	M	COMMUNICATIONS CABLE (**FIBER) (12)
1	EA	GENERIC UTILITY ITEM RELOCATE EXISTING 50MM WATER METER & METER BOX	4	EA	INTERCONNECT CENTER
4,105	M	TEMPORARY SILT FENCE	4	EA	FIBER-OPTIC TRANSCEIVER
1,015	MTN	STONE FOR EROSION CONTROL, CLASS A	58	EA	DELINEATOR MARKER
13,581	MTN	STONE FOR EROSION CONTROL, CLASS B	1	EA	FURNISH FIBER-OPTIC RESTORATION KIT
5,967	MTN	SEDIMENT CONTROL STONE	1	EA	FURNISH FIBER-OPTIC POWER METER
34.5	HA	TEMPORARY MULCHING	1	EA	FURNISH OPTICAL LIGHT GENERATOR
1,525	KG	SEED FOR TEMPORARY SEEDING	1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
12.25	MTN	FERTILIZER FOR TEMPORARY SEEDING	1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
735	M	TEMPORARY SLOPE DRAINS	Lump Sum	LS	FIBER-OPTIC TRAINING
41	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS	16	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
52,975	M3	SILT EXCAVATION	1	EA	METAL SIGNAL POLE FOUNDATION
6,240	M2	SYNTHETIC ROVING	1	EA	MAST ARM WITH METAL POLE DESIGN
10,410	M2	MATTING FOR EROSION CONTROL	4	EA	SIGN FOR SIGNALS
1,250	M	6.4MM HARDWARE CLOTH	4	EA	SIGNAL CABINET FOUNDATION
1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (600MM X 600MM X 600MM)	4	EA	CABINET BASE ADAPTER
1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (800MM X 800MM X 800MM)	4	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
2	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (900MM X 900MM X 900MM)	1	EA	BEACON CONTROLLER ASSEMBLY & CABINET (*****)
485	M3	STILLING BASINS	29	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 2070L)
			1	EA	GENERIC SIGNAL ITEM FOUNDATION WITH WING WALLS
			16	EA	GENERIC SIGNAL ITEM SOIL TEST
			465	M	GENERIC SIGNAL ITEM DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 50MM(2 CONDUIT)
			65	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1066MM DIAMETER)
			10	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1217MM DIAMETER)
			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (15+00.200 -Y5-)
			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (47+21.000 -L-)
			Lump Sum	LS	CULVERT EXCAVATION, STA ***** (56+65.000 -L-)

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (61+94.300 -L-)
675	MTN	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
1,033.4	M3	CLASS A CONCRETE (CULVERT)
88,322	KG	REINFORCING STEEL (CULVERT)

STRUCTURE ITEMS

Lump Sum	LS	TEMPORARY RAILROAD SHORING FOR BENT ***, STATION ***** (1, 59+39.734-L-)
Lump Sum	LS	TEMPORARY RAILROAD SHORING FOR BENT ***, STATION ***** (2, 59+39.734 -L-)
61.2	M	*****MM DIA DRILLED PIERS IN SOIL (1372MM)
30	M	*****MM DIA DRILLED PIERS NOT IN SOIL (1372MM)
1	EA	CROSSHOLE SONIC LOGGING
390	M	CSL TUBES
388.1	M3	CLASS AA CONCRETE (BRIDGE)
53,915	KG	REINFORCING STEEL (BRIDGE)
15,908	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
4,886	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
507,500	LS	APPROX KG STRUCTURAL STEEL
Lump Sum	LS	PAINTING STRUCTURAL STEEL, STA ***** (59+39.734 -L-)
861.3	M	HP310X79 STEEL PILES
64	EA	STEEL PILE POINTS
61.9	M2	METHOD A WATERPROOFING
593.1	M2	METHOD D DAMPPROOFING
283.9	M2	100MM SLOPE PROTECTION
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (59+39.734 -L-)
Lump Sum	LS	GENERIC STRUCTURE ITEM CHAINLINK FENCE FOR PROTECTION OF RAILROAD
Lump Sum	LS	GENERIC STRUCTURE ITEM FOUNDATION EXCAVATION FOR ABUTMENT A @ STA 59+39.734-L-
Lump Sum	LS	GENERIC STRUCTURE ITEM FOUNDATION EXCAVATION FOR ABUTMENT B @ STA 59+39.734-L-
44.3	M	GENERIC STRUCTURE ITEM COLUMN EXCAVATION

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L031216 027

CONTRACT ID : C201054 34522.3.2

DIV OFFICE SHELBY

LENGTH = 7.286 KM

COUNTY : CATAWBA

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

DBE GOAL 10.0% COMPLETION DATE : OCT 15 2006

NC-16 FROM SR-1801 TO SR-1800 SE OF NEWTON; NEWTON-CONOVER LOOP FROM NC-16 SOUTH OF NEWTON TO SR-1739.

ROADWAY ITEMS					
			4	EA	***MM CS PIPE ELBOWS, ****MM THICK (600MM, 1.63MM)
Lump Sum	LS	MOBILIZATION	20.4	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ****MM THICK (250MM, 1.63MM)
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	14.4	M	300MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
1.6	HA	SUPPLEMENTARY CLEARING & GRUBBING	217.2	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
2	EA	SEALING ABANDONED WELLS	27.6	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
354,000	M3	UNCLASSIFIED EXCAVATION	144	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
11,800	M3	UNDERCUT EXCAVATION	39.6	M	800MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
350	MTN	CLASS IV SUBGRADE STABILIZATION	94.8	M	900MM BIT COAT CS PIPE CULVERTS, TYPE B 2.01MM THICK
500	M2	PRE-SPLITTING OF ROCK	4	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (250MM, 1.63MM)
205,500	M3	BORROW EXCAVATION	2	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (300MM, 1.63MM)
8,522	M3	DRAINAGE DITCH EXCAVATION	18	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (400MM, 1.63MM)
942	M	BERM DITCH CONSTRUCTION	4	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (450MM, 1.63MM)
12,450	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	13	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (600MM, 1.63MM)
2,850	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	5	EA	***MM BIT COAT CS PIPE ELBOWS, TYPE B ****MM THICK (900MM, 2.01MM)
3,965	M2	BREAKING OF EXISTING ASPHALT PAVEMENT	1,269	M	PIPE REMOVAL
30	HR	PROOF ROLLING	Lump Sum	LS	FINE GRADING
2,500	M3	SELECT GRANULAR MATERIAL	100	KG	SEALING EXISTING PAVEMENT CRACKS
2,500	M2	FABRIC FOR SOIL STABILIZATION	500	KG	SEALING EXISTING PAVEMENT CRACKS & JOINTS
2,905	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	76,550	M2	LIME TREATED SOIL (SLURRY METHOD)
12	M	****MM SIDE DRAIN PIPE (750MM)	845	MTN	LIME FOR LIME TREATED SOIL STABILIZER AGGREGATE
127.2	M	375MM SIDE DRAIN PIPE	1,000	MTN	AGGREGATE BASE COURSE
86.4	M	450MM SIDE DRAIN PIPE	59,000	MTN	***MM SOIL CEMENT BASE (180MM)
9.6	M	600MM SIDE DRAIN PIPE	114,970	M2	PORTLAND CEMENT FOR SOIL CEMENT BASE
387.6	M	300MM RC PIPE CULVERTS, CLASS III	3,450	MTN	AGGREGATE FOR SOIL CEMENT BASE
3,972	M	375MM RC PIPE CULVERTS, CLASS III	1,553	MTN	ASPHALT CURING SEAL
1,443.6	M	450MM RC PIPE CULVERTS, CLASS III	130,300	L	INCIDENTAL STONE BASE
921.6	M	600MM RC PIPE CULVERTS, CLASS III	700	MTN	MILLING ASPHALT PAVEMENT, ***MM DEPTH (55MM)
254.4	M	750MM RC PIPE CULVERTS, CLASS III	500	M2	INCIDENTAL MILLING
826.8	M	900MM RC PIPE CULVERTS, CLASS III	10,300	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
14.4	M	1050MM RC PIPE CULVERTS, CLASS III	39,500	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
14.4	M	1200MM RC PIPE CULVERTS, CLASS III	25,900	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
55.2	M	1800MM RC PIPE CULVERTS, CLASS III	2,307	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
217.2	M	****MM RC PIPE CULVERTS, CLASS IV (1200MM)	1,692	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
68.4	M	****MM RC PIPE CULVERTS, CLASS IV (1500MM)	200	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (300MM X 375MM X 450MM)	994	M3	SUBDRAIN EXCAVATION
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (300MM X 450MM X 450MM)	538	M3	SUBDRAIN FINE AGGREGATE
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	1,300	M	150MM PERFORATED SUBDRAIN PIPE
92.4	M	150MM CS PIPE CULVERTS, 1.63MM THICK (SPRING BOX)	130	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
43.2	M	***MM CS PIPE CULVERTS, ****MM THICK (200MM, 1.63MM)	9	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
12	M	***MM CS PIPE CULVERTS, ****MM THICK (300MM, 1.63MM)	18	M	150MM OUTLET PIPE (SUBDRAINS)
79.2	M	600MM CS PIPE CULVERTS, 1.63MM THICK	10	MTN	BLOTTING SAND
13.2	M	800MM CS PIPE CULVERTS, 2.01MM THICK	38	M3	ENDWALLS
			2.3	M3	REINFORCED ENDWALLS

			100	MTN	GENERIC TRACKWORK ITEM STONE BALLAST (GRADE #5 MOD)
			2,700	MTN	GENERIC TRACKWORK ITEM SUB-BALLAST (ABC)
1	M3	PIPE COLLARS	80	M2	GENERIC WALL ITEM PILE/PANEL RETAINING WALL
0.13	M3	PIPE PLUGS	1,670	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
269	EA	MASONRY DRAINAGE STRUCTURES	17	EA	SIGN ERECTION, TYPE D
29.8	M	MASONRY DRAINAGE STRUCTURES	158	EA	SIGN ERECTION, TYPE E
65	EA	FRAME WITH TWO GRATES, STD 840.16	78	EA	SIGN ERECTION, TYPE F
8	EA	FRAME WITH TWO GRATES, STD 840.24	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
4	EA	FRAME WITH TWO GRATES, STD 840.29	2	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
9	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	2	EA	SIGN ERECTION, MILEMARKERS
77	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	2	EA	SIGN ERECTION, OVERLAY (OVER- HEAD)
94	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	4	EA	SIGN ERECTION, OVERLAY (GROUND MOUNTED)
5	EA	FRAME WITH COVER, STD 840.54	4	EA	RELOCATE SIGN, TYPE ***** (E)
14	EA	CONCRETE APRON FOR CATCH BASIN	1	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
36	EA	CONCRETE APRON FOR DROP INLETS	34	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
1	EA	GENERIC DRAINAGE ITEM CONCRETE APRON FOR ENDWALL	1	EA	DISPOSAL OF SUPPORT, U-CHANNEL
111	M	*** X ***MM CONCRETE CURB (225MM X 300MM)	1	EA	DISPOSAL OF SIGN, A OR B (OVERHEAD)
6,750	M	450MM CONCRETE CURB & GUTTER	90	M2	WORK ZONE SIGNS (STATIONARY)
14,665	M	750MM CONCRETE CURB & GUTTER	26	M2	WORK ZONE SIGNS (PORTABLE)
365	M	SHOULDER BERM GUTTER	8	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
3,175	M2	100MM CONCRETE SIDEWALK	3	EA	FLASHING ARROW PANELS, TYPE C
390	M2	CONCRETE WHEELCHAIR RAMPS	12	EA	WARNING FLAG SETS
725	M2	150MM CONCRETE DRIVEWAY	575	EA	DRUMS
154.7	M2	100MM CONCRETE PAVED DITCH	50	EA	CONES
3,430	M2	125MM MONOLITHIC CONCRETE IS- LANDS (SURFACE MOUNTED)	202	M	BARRICADES (TYPE III)
1	EA	ADJUSTMENT OF CATCH BASINS	4,320	HR	FLAGGER
12	EA	ADJUSTMENT OF MANHOLES	2	EA	WARNING LIGHTS (TYPE B)
30	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES	3	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)
3,562.35	M	STEEL BM GUARDRAIL	480	M	WATER FILLED BARRIER
160	M	STEEL BM GUARDRAIL, SHOP CURVED	385	EA	TEMPORARY RAISED PAVEMENT MARKERS
15	EA	ADDITIONAL GUARDRAIL POSTS	5,150	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
3	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	15,090	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
22	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	95	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
27	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	250	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
30	M	CHAIN LINK FENCE, ****MM FABRIC (1800MM)	5	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
9	EA	METAL LINE POSTS FOR ****MM CHAIN LINK FENCE (1800MM)	226	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
4	EA	METAL TERMINAL POSTS FOR *****MM CHAIN LINK FENCE (1800MM)	57,542	M	PAINT PAVEMENT MARKING LINES (100MM)
4	EA	METAL GATE POSTS FOR *****MM CHAIN LINK FENCE, SINGLE GATE (1800MM)	214	M	PAINT PAVEMENT MARKING LINES (200MM)
2	EA	SINGLE GATES, ****MM HIGH, *****MM WIDE, ****MM OPENING (1800MM, 3600MM, 3600MM)	570	M	PAINT PAVEMENT MARKING LINES (600MM)
180	M	WOVEN WIRE FENCE RESET	495	EA	PAINT PAVEMENT MARKING SYMBOL
1,105	MTN	PLAIN RIP RAP, CLASS I	1,500	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
210	MTN	PLAIN RIP RAP, CLASS A	580	EA	PERMANENT RAISED PAVEMENT MARKERS
3,625	MTN	PLAIN RIP RAP, CLASS B	1,550	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
10,515	M2	FILTER FABRIC FOR DRAINAGE	3	EA	2.1M U-CHANNEL POSTS
22	M	RAILROAD TRACK TO BE LINED	3	EA	OBJECT MARKERS (END OF ROAD)
323	M	GENERIC TRACKWORK ITEM RAILROAD MAIN TRACK TO BE REMOVED, INCLUDING #10 TURNOUT	120	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (IV)
17	M	GENERIC TRACKWORK ITEM RAILROAD MAIN TRACK TO BE RAISED	795	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (VI)
286	M	GENERIC TRACKWORK ITEM RAILROAD RELOCATED MAIN TRACK TO BE CONSTRUCTED (59.9 KG (132 LB) CWR)	915	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
22	M	GENERIC TRACKWORK ITEM RAILROAD SPUR TRACK TO BE CON- STRUCTED (45.4 KG-100LB JOINT- ED RAIL)	154	MTN	PAVEMENT REPAIR FOR UTILITY WORK
1	EA	GENERIC TRACKWORK ITEM INSTALL #10 TURNOUT (TURNOUT PROVIDED BY RAILWAY CO)	502.8	M	150MM DI WATER PIPE, PC 2.41MPA
22	EA	GENERIC TRACKWORK ITEM TIE REPLACEMENTS	124	M	200MM DI WATER PIPE, PC 2.41MPA
1,150	MTN	GENERIC TRACKWORK ITEM STONE BALLAST (GRADE #3 MOD)	1,705.7	M	300MM DI WATER PIPE, PC 2.41MPA
			97	M	400MM DI WATER PIPE, PC ***MPA (1.72 MPA)
			855.1	M	400MM DI WATER PIPE, PC ***MPA (2.41MPA)
			274.6	M	20MM COPPER WATER PIPE, TYPE K

			14,281	MTN	STONE FOR EROSION CONTROL, CLASS B
			6,372	MTN	SEDIMENT CONTROL STONE
			40	HA	TEMPORARY MULCHING
			1,750	KG	SEED FOR TEMPORARY SEEDING
7,320.5	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP	14	MTN	FERTILIZER FOR TEMPORARY SEEDING
14	EA	20MM CORPORATION STOP	795	M	TEMPORARY SLOPE DRAINS
3	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (400MM, 1.38 MPA)	45	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
1	EA	***MM GATE VALVE & VALVE BOX, ****MPA WP (400MM, 1.72 MPA)	54,475	M3	SILT EXCAVATION
16	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP	7,290	M2	SYNTHETIC ROVING
2	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP (1.38 MPA)	11,830	M2	MATTING FOR EROSION CONTROL
16	EA	300MM GATE VALVE & VALVE BOX, ****MPA WP (1.38 MPA)	1,490	M	6.4MM HARDWARE CLOTH
2	EA	*** X ***MM TAPPING SLEEVE, VALVE & VALVE BOX, ****MPA WP (200MM X 150MM, 1.38 MPA)	56	M	***MM TEMPORARY PIPE (450MM)
1	EA	*** X ***MM TAPPING SADDLE (150MM X 20MM)	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (600MM X 600MM X 600MM)
3	EA	*** X ***MM TAPPING SADDLE (300MM X 20MM)	1	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (800MM X 800MM X 800MM)
10	EA	*** X ***MM TAPPING SADDLE (400MM X 20MM)	2	EA	***X***X***MM PERFORATED CS PIPE TEE RISER, 1.63MM THICK (900MM X 900MM X 900MM)
3	EA	***MM BLOW OFF ASSEMBLY (150MM)	560	M3	STILLING BASINS
6	EA	50MM BLOW OFF ASSEMBLY	42	HA	SEEDING & MULCHING
10	EA	RELOCATE EXISTING WATER METER	22.5	HA	MOWING
2	EA	FIRE HYDRANT, ****MPA WP (1.03 MPA)	500	KG	SEED FOR REPAIR SEEDING
14	EA	RELOCATE EXISTING FIRE HYDRANT	1.75	MTN	FERTILIZER FOR REPAIR SEEDING
81	M	***MM DI SEWER PIPE, CLASS *** (200MM, CL 51)	1,175	KG	SEED FOR SUPPLEMENTAL SEEDING
12	M	***MM DI SEWER PIPE, PC ****MPA (100MM, 2.41 MPA)	69.5	MTN	FERTILIZER TOPDRESSING
142	M	200MM DI SEWER PIPE, PC 2.41MPA	0.5	HA	SPECIALIZED SEEDING UNDER GUIDERAIL & GUARDRAIL (HARD FESCUE/BLUEGRASS)
2	EA	SANITARY SEWER CLEAN-OUT	226	M	IMPERVIOUS DIKE
5	EA	1200MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH	25	HR	SPECIALIZED HAND MOWING
1	M	PRECAST CONC MANHOLE WALL, ****MM DIA, OVER 1.8M HT (1200MM)	32	EA	RESPONSE FOR EROSION CONTROL
32	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (100MM, PVC SEWER)	1,225	M3	CULVERT DIVERSION CHANNEL
32	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (100MM, PVC WATER)	0.1	HA	REFORESTATION
130	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (150MM, PVC WATER))	1,440	M	SIGNAL CABLE
73	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, PVC WATER)	8	EA	VEHICLE SIGNAL HEAD (300MM, 1 SECTION)
80	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, TC SEWER)	39	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
32	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (250MM, PVC SEWER)	2	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
1,579	M	FILL OR REMOVE ABANDONED 300MM PIPE, ***** (PVC WATER)	20	M	MESSENGER CABLE (6.35MM)
1	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	130	M	MESSENGER CABLE (9.52MM)
8	EA	BREAK DOWN & REBUILD EXISTING MANHOLE	5,900	M	TRACER WIRE
12	M	***MM STEEL ENCASEMENT PIPE, ****MM THICK, BY OPEN CUT (600MM, 6.35MM)	25	M	TRENCHING (PAVED)
38	EA	GENERIC UTILITY ITEM 150MM RESTRAINED RETAINER GLAND	1,300	M	TRENCHING (UNPAVED)
44	EA	GENERIC UTILITY ITEM 200MM RESTRAINED RETAINER GLAND	470	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (1)
10	EA	GENERIC UTILITY ITEM 20MM WATER METER ASSEMBLY	5,430	M	TRENCH MULTI-DUCT, 31.75MM (** CONDUIT) (1)
67	EA	GENERIC UTILITY ITEM 300MM RESTRAINED RETAINER GLAND	51	EA	JUNCTION BOX (STANDARD SIZE)
8	EA	GENERIC UTILITY ITEM 400MM RESTRAINED RETAINER GLAND	58	EA	JUNCTION BOX (OVER-SIZED)
1	EA	GENERIC UTILITY ITEM RELOCATE EXISTING 50MM WATER METER & METER BOX	6	EA	WOOD POLE
4,305	M	TEMPORARY SILT FENCE	8	EA	GUY ASSEMBLY
1,190	MTN	STONE FOR EROSION CONTROL, CLASS A	1	EA	25MM RISER WITH WEATHERHEAD
			1	EA	50MM RISER WITH WEATHERHEAD
			2,160	M	INDUCTIVE LOOP SAWCUT
			3,185	M	LEAD-IN CABLE
			6,410	M	COMMUNICATIONS CABLE (**FIBER) (12)
			4	EA	INTERCONNECT CENTER
			4	EA	FIBER-OPTIC TRANSCEIVER
			58	EA	DELINEATOR MARKER
			1	EA	FURNISH FIBER-OPTIC RESTORATION KIT
			1	EA	FURNISH FIBER-OPTIC POWER METER
			1	EA	FURNISH OPTICAL LIGHT GENERATOR
			1	EA	FURNISH FIBER-OPTIC TRANSCEIVER
			Lump Sum	LS	FIBER-OPTIC TRAINING
			16	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
			1	EA	METAL SIGNAL POLE FOUNDATION
			1	EA	MAST ARM WITH METAL POLE DESIGN
			4	EA	SIGN FOR SIGNALS
			4	EA	SIGNAL CABINET FOUNDATION
			4	EA	CABINET BASE ADAPTER
			4	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
			1	EA	BEACON CONTROLLER ASSEMBLY & CABINET (*****) (TYPE F1)

29	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 2070L)
1	EA	GENERIC SIGNAL ITEM FOUNDATION WITH WING WALLS
16	EA	GENERIC SIGNAL ITEM SOIL TEST
465	M	GENERIC SIGNAL ITEM DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 50MM(2 CONDUIT)
65	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1066MM DIAMETER)
10	M	GENERIC SIGNAL ITEM DRILLED PIER FOUNDATION (1217MM DIAMETER)

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (12+61.456 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (15+00.200 -Y5-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (47+21.000 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (56+65.000 -L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (61+94.300 -L-)
755	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
1,176.2	M3	CLASS A CONCRETE (CULVERT)
99,739	KG	REINFORCING STEEL (CULVERT)

STRUCTURE ITEMS

Lump Sum	LS	TEMPORARY RAILROAD SHORING FOR BENT ***, STATION ***** (1, 59+39.734-L-)
Lump Sum	LS	TEMPORARY RAILROAD SHORING FOR BENT ***, STATION ***** (2, 59+39.734 -L-)
61.2	M	*****MM DIA DRILLED PIERS IN SOIL (1372MM)
30	M	*****MM DIA DRILLED PIERS NOT IN SOIL (1372MM)
1	EA	CROSSHOLE SONIC LOGGING
390	M	CSL TUBES
388.1	M3	CLASS AA CONCRETE (BRIDGE)
53,915	KG	REINFORCING STEEL (BRIDGE)
15,908	KG	EPOXY COATED REINFORCING STEEL (BRIDGE)
4,886	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
507,500	LS	APPROX KG STRUCTURAL STEEL
Lump Sum	LS	PAINTING STRUCTURAL STEEL, STA ***** (59+39.734 -L-)
861.3	M	HP310X79 STEEL PILES
64	EA	STEEL PILE POINTS
61.9	M2	METHOD A WATERPROOFING
593.1	M2	METHOD D DAMPPROOFING
283.9	M2	100MM SLOPE PROTECTION
Lump Sum	LS	STRUCTURE DRAINAGE SYSTEM, STA ***** (59+39.734 -L-)
Lump Sum	LS	GENERIC STRUCTURE ITEM CHAINLINK FENCE FOR PROTECTION OF RAILROAD
Lump Sum	LS	GENERIC STRUCTURE ITEM FOUNDATION EXCAVATION FOR ABUTMENT A @ STA 59+39.734-L-
Lump Sum	LS	GENERIC STRUCTURE ITEM FOUNDATION EXCAVATION FOR ABUTMENT B @ STA 59+39.734-L-
44.3	M	GENERIC STRUCTURE ITEM COLUMN EXCAVATION

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 028

CONTRACT ID : C201042 12CR.10231.2

DIV OFFICE SHELBY

LENGTH = 34.470 MI

COUNTY : CLEVELAND

RESURFACING, SHOULDER RECONST & PAVEMENT MARKINGS.

MBE GOAL 7.0% WBE 4.0% COMPLETION DATE : OCT 01 2004

2 SECTIONS OF US-74 BUS, 1 SECTION OF NC-10, 1 SECTION OF NC-180 AND 25 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,860	TON	INCIDENTAL STONE BASE
18.36	SMI	SHOULDER RECONSTRUCTION
275	SY	INCIDENTAL MILLING
1,412	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
37,186	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,954	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
2,670	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,435	TON	PATCHING EXISTING PAVEMENT
10	EA	ADJUSTMENT OF MANHOLES
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
104,908	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
64,350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
429,138	LF	PAINT PAVEMENT MARKING LINES (4")
652	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 029

CONTRACT ID : C201053 12CR.10181.1

DIV OFFICE SHELBY

LENGTH = 34.530 MI

COUNTY : CATAWBA

MILLING, RESURFACING, SHOULDER RECONST & PAVEMENT MARKINGS.

MBE GOAL 7.0% WBE 4.0% COMPLETION DATE : OCT 01 2004

2 SECTIONS OF NC-127, 1 SECTION OF NC-16 & 45 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,100	TON	INCIDENTAL STONE BASE
11.46	SMI	SHOULDER RECONSTRUCTION
13,200	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
8,155	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (4")
805	SY	INCIDENTAL MILLING
3,289	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
1,287	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
44,700	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,189	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
3,248	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
4,559	TON	PATCHING EXISTING PAVEMENT
2	EA	WHEELCHAIR RAMPS
51	EA	ADJUSTMENT OF MANHOLES
35	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
61,566	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
106,850	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
80	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
290	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
11	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
93	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
906,403	LF	PAINT PAVEMENT MARKING LINES (4")
1,464	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 030

CONTRACT ID : C201034 37238

DIV OFFICE ASHEVILLE

LENGTH = 10.660 MI

COUNTY : BUNCOMBE

RESURFACING, GUARDRAIL & PVMT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : OCT 01 2004

6 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
536	TON	INCIDENTAL STONE BASE
21.32	SMI	SHOULDER RECONSTRUCTION
11,600	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
14,200	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,420	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
300	TON	PATCHING EXISTING PAVEMENT
5	EA	ADJUSTMENT OF MANHOLES
18	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
1,125	LF	STEEL BM GUARDRAIL
10	EA	ADDITIONAL GUARDRAIL POSTS
14	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,050	LF	REMOVE EXISTING GUARDRAIL
112,684	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
112,570	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
138	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
2	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
13	EA	RELOCATE EXISTING WATER METER
4	EA	RELOCATE EXISTING FIRE HYDRANT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 031

CONTRACT ID : C201038 13CR.10121.1

DIV OFFICE ASHEVILLE

LENGTH = 17.820 MI

COUNTY : BURKE

MILLING, SHLDR RECONST, RESURFACING & PAVEMENT MARKINGS.

MBE GOAL 7.0% WBE 4.0% COMPLETION DATE : OCT 01 2004

VARIOUS SECTIONS OF NC-126, NC-114, US-70 & US-64 AND 8 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
816	TON	INCIDENTAL STONE BASE
32.58	SMI	SHOULDER RECONSTRUCTION
39,542	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
8,416	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5A
13,412	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,418	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
319	TON	PATCHING EXISTING PAVEMENT
51	EA	ADJUSTMENT OF MANHOLES
31	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
147,734	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
147,734	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
161,780	LF	PAINT PAVEMENT MARKING LINES (4")

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 032

CONTRACT ID : C201039 13CR.10611.2

DIV OFFICE ASHEVILLE

LENGTH = 13.620 MI

COUNTY : MITCHELL, YANCEY

SHLDR RECONST, MILLING, RESURFACING, & PAVEMENT MARKINGS.

MBE GOAL 7.0% WBE 4.0% COMPLETION DATE : OCT 01 2004

1 SECTION OF NC-261, 1 SECTION OF NC-80 AND 10 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
682	TON	INCIDENTAL STONE BASE
27.24	SMI	SHOULDER RECONSTRUCTION
5,386	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
1,545	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
10,407	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5A
4,334	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,026	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
255	TON	PATCHING EXISTING PAVEMENT
7	EA	ADJUSTMENT OF MANHOLES
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
40,128	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
40,128	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
414,796	LF	PAINT PAVEMENT MARKING LINES (4")

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L031216 033

CONTRACT ID : C201040 13CR.10111.3

DIV OFFICE ASHEVILLE

LENGTH = 33.760 MI

COUNTY : BUNCOMBE, HENDERSON

RESURFACING, SHLDR RECONST & PVMT MARKINGS.

MBE GOAL 7.0% WBE 4.0% COMPLETION DATE : OCT 01 2004

VARIOUS SECTIONS OF NC-63, NC-151 & NC-9 AND 21 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,690	TON	INCIDENTAL STONE BASE
67.52	SMI	SHOULDER RECONSTRUCTION
945	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
30,181	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5A
13,442	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,877	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
450	TON	PATCHING EXISTING PAVEMENT
1	EA	ADJUSTMENT OF DROP INLETS
15	EA	ADJUSTMENT OF MANHOLES
37	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
165,792	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
165,792	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
704,562	LF	PAINT PAVEMENT MARKING LINES (4")