

SPECIAL NOTICE

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, NC**

DESIGN-BUILD REQUEST FOR QUALIFICATIONS (RFQ)

The North Carolina Department of Transportation (NCDOT) is requesting interested design-build teams submit qualifications for a design-build project. The project is R-2641 which the East Wake Expressway from US 64 (Knightdale Bypass) to existing US 64.

Interested parties should contact Mr. Randy Garris, PE for a formal package detailing the requirements for submitting the Qualification Package. The Qualification package must be received by 4:00 p.m., April 25, 2003 at the address shown below:

Mr. Randy Garris, PE
NCDOT-Design Services Unit
Century Center – Building B
Entrance B2
1020 Birch Ridge Drive
Raleigh, NC 27610

All available project information is on the NCDOT website at www.doh.dot.state.us under "Doing Business with NCDOT". To request the Qualification package or for any questions concerning this RFQ or about the projects, please contact Mr. Randy Garris at (919) 250-4124, or via e-mail at rgarris@dot.state.nc.us.




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 18, 2003

MEMORANDUM TO: Electronic Bidders

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

SUBJECT: Upgrade to Expedite 5.1a

Please be advised that effective with the March 18th, 2003 bid letting, North Carolina Department of Transportation will be upgrading from Expedite 4.3b to Expedite 5.1a. These two versions of software are not backward compatible, meaning files generated in one version can not be opened in the other version. So, the timing and upgrade of this software on your part is extremely critical in submitting bids to North Carolina for March 2003 and forward.

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 4.3b version to ensure no confusion in the future. Once you have installed Expedite 5.1a, 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/expedit/

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

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LYNDO TIPPETT
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March 18, 2003

MEMORANDUM TO: Prequalified Contractors
FROM: NCDOT Construction Unit
SUBJECT: Contract Payments

In conjunction with the Business Systems Improvement Project (BSIP), NCDOT is scheduled to replace the current mainframe financial system with a new financial system developed by SAP America. The current financial system is scheduled to be out of service at the end of the workday on March 28, 2003. The new financial system is expected to be in service in approximately three weeks. Although the Fiscal Section will have the capability to make "emergency" payments throughout the transition period, such "emergency" payments are to be minimized.

To avoid delays in contract payments and to minimize the "emergency" payments that will be required during the period from March 28, 2003 until the new financial system is in service, the tentative schedule for partial payments during March, April and May 2003 is as follows:

Normal Estimate End Date	March Estimate End Date	April Estimate End Date	May Estimate End Date
7 th of Month	March 7 th	April 15 th	May 7 th
15 th of Month	March 7 th	April 15 th	May 15 th
22 nd of Month	March 15 th	April 22 nd	May 22 nd
Last of Month	March 15 th	April 30 th	May 31 st

The Department will expedite the processing of estimates for March 2003 within the contract estimate system. This will allow the Fiscal Section to complete all payment transactions prior the March 28, 2003.

The tentative schedule for partial payments during March, April and May 2003 is subject to change due to changes in the BSIP schedule. To provide timely updates to everyone, a

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link from the Construction Unit web page to this schedule will be created and the schedule will be updated as necessary. The URL for the Construction Unit web page is as follows:

http://www.doh.dot.state.nc.us/operations/dp_chief_eng/constructionunit/

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 **10:00AM ON APRIL 15, 2003**. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 10:00 A.M.

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 MARCH 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 DRIVE	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	J. H. Trogdon, III	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	ABLEMARLE	(704) 982-0101
00011	R. C. McCann	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 L030415

RPN	Contract Id	WorkOrder	County	Length	JobType
001	C200693	8.T351212	DURHAM	3.416 KM	WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.
002	C200696	8.2750803	WATAUGA	0.230 MI	GRADING, DRAINAGE, PAVING & STRUCTURES.
003	C200670	8.2751403	WATAUGA	0.129 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
004	C200673	8.2751703	WATAUGA	0.095 MI	GRADING, DRAINAGE, PAVING & CULVERT.
005	C200703	8.1801204	CLEVELAND	0.506 MI	GRADING, DRAINAGE, PAVING & STRUCTURE.
006	C200505	8.1844402	BUNCOMBE	3.034 KM	WIDENING, GRADING, DRAINAGE, PAVING & CULVERTS.
007	C200712	6.841008R	BUNCOMBE	4.600 MI	MILLING AND RESURFACING OR HOT IN-PLACE RECYCLING.
008	C200681	8.2970503	MACON	0.290 KM	GRADING, DRAINAGE, PAVING & CULVERT.
009	C200722	4.6140177ETC	HENDERSON	3.280 MI	MILLING, DRAINAGE, RESURFACING & PVT MARKINGS.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 001

CONTRACT ID : C200693 8.T351212

DIV OFFICE DURHAM

LENGTH = 3.416 KM

COUNTY : DURHAM

WIDENING, GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 11.0% COMPLETION DATE : DEC 31 2006

I-85 FROM EAST OF SR-1401 (COLE MILL RD) TO WEST OF BROAD STREET.

ROADWAY ITEMS					
			3	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
Lump Sum	LS	MOBILIZATION	15	M	GENERIC PIPE ITEM
Lump Sum	LS	CONSTRUCTION SURVEYING			600MM RC PIPE IN SOIL
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM	15	M	GENERIC PIPE ITEM
		CRITICAL PATH METHOD SCHEDULE			600MM RC PIPE NOT IN SOIL
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM	1,673.5	M	PIPE REMOVAL
		DESIGN & CONSTRUCTION OF OFF			PIPE CLEAN-OUT
		SITE DETOUR IMPROVEMENTS	1	EA	
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	1,670	M2	150MM SLOPE PROTECTION
0.8	HA	SUPPLEMENTARY CLEARING & GRUBBING	Lump Sum	LS	FINE GRADING
			81,300	M2	LIME TREATED SOIL (SLURRY METHOD)
285,000	M3	UNCLASSIFIED EXCAVATION	900	MTN	LIME FOR LIME TREATED SOIL
Lump Sum	LS	REINFORCED BRIDGE APPROACH	885	MTN	#57 STONE
		FILL, STATION *****	1,000	MTN	STABILIZER AGGREGATE
		(23+153.209-LREV-)	69,700	MTN	AGGREGATE BASE COURSE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	54,200	M2	***MM SOIL CEMENT BASE (180MM)
		FILL, STATION *****			
		(1+400.000 - EB #1 ONLY)	1,630	MTN	PORTLAND CEMENT FOR SOIL CEMENT BASE
7,500	M3	UNDERCUT EXCAVATION	400	MTN	AGGREGATE FOR SOIL CEMENT BASE
17,000	MTN	CLASS IV SUBGRADE STABILIZATION	92,260	L	ASPHALT CURING SEAL
100,500	M3	BORROW EXCAVATION	100	MTN	INCIDENTAL STONE BASE
53,034	M3	DRAINAGE DITCH EXCAVATION	14,300	M2	MILLING ASPHALT PAVEMENT, ***MM DEPTH (100MM)
230	M	BERM DITCH CONSTRUCTION	30,000	M2	INCIDENTAL MILLING
128,500	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	6,150	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
63,000	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	38,000	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0C
30	HR	PROOF ROLLING	2,450	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
2,840	M3	SELECT GRANULAR MATERIAL	33,600	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
25,000	M2	FABRIC FOR SOIL STABILIZATION	4,125	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D
4,640	M2	TEMPORARY SHORING	12,000	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,420	M2	TEMPORARY SHORING - BARRIER SUPPORTED	31,750	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5C
2,000	M2	GENERIC GRADING ITEM	3,350	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5D
		PRIMARY GEOGRID REINFORCEMENT	5,066	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
1,175	M2	GENERIC GRADING ITEM	1,941	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
		SECONDARY GEOGRID REINFORCEMENT	185	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22
2,700	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	23,100	MTN	PERMEABLE ASPHALT DRAINAGE COURSE, TYPE P-78M
6	M	300MM RC PIPE CULVERTS, CLASS III	250	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
3,086.5	M	375MM RC PIPE CULVERTS, CLASS III	116,650	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (340MM)
1,303.2	M	450MM RC PIPE CULVERTS, CLASS III	14,750	M2	***MM PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS) (340MM)
1,249.6	M	600MM RC PIPE CULVERTS, CLASS III	4,750	M2	***MM PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (340MM)
939.6	M	750MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
824.4	M	900MM RC PIPE CULVERTS, CLASS III	31,750	M2	CONCRETE SHOULDERS ADJACENT TO ***MM PAVEMENT (340MM)
174	M	1050MM RC PIPE CULVERTS, CLASS III	Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
302.4	M	1200MM RC PIPE CULVERTS, CLASS III	120	EA	RIGHT OF WAY MARKERS
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	1,782	M3	SUBDRAIN EXCAVATION
32.4	M	***MM CS PIPE CULVERTS, ****MM THICK (1050MM, 2.77MM)	891	M3	SUBDRAIN FINE AGGREGATE
129.6	M	400MM CS PIPE CULVERTS, 1.63MM THICK	2,152.4	M	100MM PERFORATED SUBDRAIN PIPE
13.2	M	450MM CS PIPE CULVERTS, 1.63MM THICK	213	EA	100MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
14	EA	***MM CS PIPE ELBOWS, ****MM THICK (400MM, 1.63MM)	14	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
298	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	28	M	100MM OUTLET PIPE (SUBDRAINS)
16.8	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	9,012	M	SHOULDER DRAIN
26.4	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK			
37	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK			

				2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III MOD)
				2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
9,282	M	100MM SHOULDER DRAIN PIPE		13	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
310	M	100MM OUTLET PIPE (SHOULDER DRAINS)		9	EA	GUARDRAIL ANCHOR UNITS, TYPE III
14	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET		27	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
30	MTN	BLOTTING SAND		175.26	M	REMOVE & RESET EXISTING GUARDRAIL
3	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		4,200	M	REMOVE EXISTING GUARDRAIL
4.7	M3	ENDWALLS		6,930.39	M	TEMPORARY STEEL BM GUARDRAIL
6.9	M3	PIPE COLLARS		22.86	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)
1.23	M3	PIPE PLUGS		3	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (B-77)
88	M3	FLOWABLE FILL		15	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (CAT-1)
264	EA	MASONRY DRAINAGE STRUCTURES		8	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (III)
68.49	M	MASONRY DRAINAGE STRUCTURES		18	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
1	EA	FRAME WITH GRATE, STD 840.**** (840.20)		4,300	M	CHAIN LINK FENCE, 1200MM FABRIC
1	EA	FRAME WITH GRATE, STD 840.22		1,210	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE
125	EA	FRAME WITH TWO GRATES, STD 840.***** (840.20)		90	EA	METAL TERMINAL POSTS FOR 1200MM CHAIN LINK FENCE
1	EA	FRAME WITH TWO GRATES, STD 840.***** (840.33)		570	M	GENERIC FENCING ITEM VINYL COATED CHAIN LINK FENCE, 1219MM FABRIC W/ 12.7MM MESH (BARRIER MTD)
21	EA	FRAME WITH TWO GRATES, STD 840.16		85	M	GENERIC FENCING ITEM VINYL COATED CHAIN LINK FENCE, 1219MM FABRIC W/ 12.7MM MESH (GROUND MTD)
62	EA	FRAME WITH TWO GRATES, STD 840.22		170	M	GENERIC FENCING ITEM VINYL COATED CHAIN LINK FENCE, 1219MM FABRIC W/ 12.7MM MESH (GUARDRAIL MTD)
1	EA	FRAME WITH TWO GRATES, STD 840.24		554	MTN	PLAIN RIP RAP, CLASS I
2	EA	FRAME WITH TWO GRATES, STD 840.29		2,868	MTN	PLAIN RIP RAP, CLASS B
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)		8,330	M2	FILTER FABRIC FOR DRAINAGE
19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)		8,583	M2	BRICK NOISE WALL
22	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		8	M3	REINFORCED CONCRETE SIGN FOOTINGS
18	EA	FRAME WITH COVER, STD 840.54		3	M3	PLAIN CONCRETE SIGN FOOTINGS
2	EA	CONCRETE APRON FOR DROP INLETS		2,145	KG	SUPPORTS, BREAKAWAY STEEL BEAM
1	EA	***MM SLUICE GATE (550MM)		3,148	KG	SUPPORTS, SIMPLE STEEL BEAM
1	EA	GENERIC DRAINAGE ITEM HANGING BAFFLE (ENERGY DISSIPATOR)		583	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
200	M	*** X ***MM CONCRETE CURB (200MM x 300MM)		4	EA	SUPPORTS, 3KG STEEL U-CHANNEL
300	M	450MM CONCRETE CURB & GUTTER		4	EA	SIGN ERECTION, TYPE D
2,200	M	750MM CONCRETE CURB & GUTTER		67	EA	SIGN ERECTION, TYPE E
1,200	M	SHOULDER BERM GUTTER		14	EA	SIGN ERECTION, TYPE F
800	M	CONCRETE EXPRESSWAY GUTTER		17	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
3,200	M2	100MM CONCRETE SIDEWALK		3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
225	M2	CONCRETE WHEELCHAIR RAMPS		4	EA	SIGN ERECTION, MILEMARKERS
450	M2	150MM CONCRETE DRIVEWAY		1	EA	RELOCATE SIGN, TYPE ***** (A)
400	M2	100MM CONCRETE PAVED DITCH		10	EA	RELOCATE SIGN, TYPE ***** (E)
800	M2	75MM CONCRETE ISLAND COVERS		3	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD
2,000	M2	125MM MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)		22	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
11	EA	CONCRETE BARRIER TRANSITION SECTION		85	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
700	M	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (T-2)		2	EA	DISPOSAL OF SIGN SYSTEM, WOOD
1,830	M	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED		1	EA	DISPOSAL OF SIGN, D, E OR F
2,670	M	GENERIC PAVING ITEM CONCRETE MEDIAN PLANTER		8	M2	TEMPORARY SIGN, TYPE ***** (A)
2	EA	ADJUSTMENT OF CATCH BASINS		117	EA	TEMPORARY RELOCATE SIGN, TYPE ***** (A) GROUND TO GROUND MOUNTED
2	EA	ADJUSTMENT OF DROP INLETS		5	EA	TEMPORARY RELOCATE SIGN, TYPE ***** (A) OVERHEAD TO GROUND MOUNTED
5	EA	CONVERT EXISTING CATCH BASIN TO DROP INLET		112	EA	TEMPORARY SIGN COVERS
2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX		Lump Sum	LS	GENERIC SIGNING ITEM
2	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE COVER				DYNAMIC MESSAGE SIGN
3,566.16	M	STEEL BM GUARDRAIL				MAINTENANCE TRAINING
118.11	M	STEEL BM GUARDRAIL, SHOP CURVED				
10	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS				
25	EA	ADDITIONAL GUARDRAIL POSTS				
11	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (B-77)				
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (B-83)				

	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "L"			
	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "M"			
	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "N"			
	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "O"			
	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "P"			
				300	M2	WORK ZONE SIGNS (STATIONARY)
				165	M2	WORK ZONE SIGNS (PORTABLE)
				25	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
				6	EA	FLASHING ARROW PANELS, TYPE C
				6	EA	CHANGEABLE MESSAGE SIGNS
				75	EA	WARNING FLAG SETS
				600	EA	DRUMS
				100	EA	CONES
				150	M	BARRICADES (TYPE III)
				2,220	HR	FLAGGER
				20	EA	WARNING LIGHTS (TYPE B)
				20	EA	TEMPORARY CRASH CUSHIONS
				56	EA	RESET TEMPORARY CRASH CUSHIONS
				2	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)
				6	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
				7,700	M	PORTABLE CONCRETE BARRIER
				1,400	M	PORTABLE CONCRETE BARRIER (ANCHORED)
				2,600	M	PORTABLE CONCRETE BARRIER (DRAINAGE)
				33,000	M	RESET PORTABLE CONCRETE BARRIER
				600	M	RESET PORTABLE CONCRETE BARRIER (ANCHORED)
				400	M	WATER FILLED BARRIER
				400	M	RESET WATER FILLED BARRIER
				300	HR	POLICE
				50	EA	TUBULAR MARKERS (FIXED)
				1,400	M	GENERIC TRAFFIC CONTROL ITEM OREGAN STANDARD F-SHAPE PORTABLE CONC BARRIER
				3	EA	GENERIC TRAFFIC CONTROL ITEM SOLAR MOBILE FLASHING SIGN
				3,240	EA	TEMPORARY RAISED PAVEMENT MARKERS
				4,514	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)
				4,699	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
				4,481	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
				580	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 3.1MM)
				389	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)
				270	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)
				421	M	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
				239	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
				29	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)
				123	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)
				31,248	M	EPOXY PAVEMENT MARKING LINES (150MM)
				2,582	M	EPOXY PAVEMENT MARKING LINES (300MM)
				14	M	EPOXY PAVEMENT MARKING LINES (600MM)
				64	EA	EPOXY PAVEMENT MARKING CHARACTER
				67	EA	EPOXY PAVEMENT MARKING SYMBOL
				52,448	M	PAINT PAVEMENT MARKING LINES (100MM)
				124,190	M	PAINT PAVEMENT MARKING LINES (150MM)
				2,072	M	PAINT PAVEMENT MARKING LINES (200MM)
				17,718	M	PAINT PAVEMENT MARKING LINES (300MM)
				988	M	PAINT PAVEMENT MARKING LINES (600MM)
				80	EA	PAINT PAVEMENT MARKING CHARACTER
				412	EA	PAINT PAVEMENT MARKING SYMBOL
				19,430	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
				20,631	M	REMOVAL OF PAVEMENT MARKING LINES (150MM)
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN BENCH TEST UNIT				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM "DMS-1"				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM "DMS-2"				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM "DMS-3"				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM DESIGN APPROVAL TESTS				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM NTCIP ACCEPTANCE TESTS				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS				
Lump Sum	LS	GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "A"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "B"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "C"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "D"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "DMS-1"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "E"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "I" (NBL)				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "I" (SBL)				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "J"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "M"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "N"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "O"				
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "P"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-1"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-2"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-3"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "A"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "B"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "C"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "D"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "E"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "G"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "H"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "I"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "J"				
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "K"				

837	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	16	EA	GENERIC LIGHTING ITEM
2,022	M	REMOVAL OF PAVEMENT MARKING LINES (300MM)	2	EA	STD FOUNDATIONS TYPE A
160	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)	1	EA	GENERIC LIGHTING ITEM
57	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	1	EA	STD FOUNDATIONS TYPE B
635	EA	PERMANENT RAISED PAVEMENT MARKERS	1	EA	GENERIC LIGHTING ITEM
161	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS	1	EA	STD FOUNDATIONS TYPE C
18	EA	2.1M U-CHANNEL POSTS	1	EA	GENERIC LIGHTING ITEM
124	EA	FLEXIBLE DELINEATORS (CRYSTAL)	1	EA	STD FOUNDATIONS TYPE D
69	EA	FLEXIBLE DELINEATORS (YELLOW)	6	EA	GENERIC LIGHTING ITEM
15	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)	6	EA	STD FOUNDATIONS TYPE R1
20	EA	FLEXIBLE DELINEATORS (YELLOW & RED)	1,100	MTN	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
18	EA	OBJECT MARKERS (END OF ROAD)	1,100	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (IV)
6	EA	30.5M HIGH MOUNT STANDARD	300	MTN	PAVEMENT REPAIR FOR UTILITY WORK
1	EA	PORTABLE DRIVE UNIT	17.7	M	***MM DI WATER PIPE, CLASS ***** WP (100MM, CLASS 51, 2.41MPA WP)
21	M3	HIGH MOUNT FOUNDATIONS	500	M	***MM DI WATER PIPE, CLASS ***** WP (75MM, CLASS 50, 2.41MPA WP)
24	EA	HIGH MOUNT LUMINAIRES ***** (1KW, HPS)	299.8	M	150MM DI WATER PIPE, PC 2.41MPA
2	EA	ELECTRIC SERVICE POLES *** ***** (9.1M, CLASS 4)	294	M	200MM DI WATER PIPE, PC 2.41MPA
30	M	ELECTRIC SERVICE LATERAL ***** (3 #1/0, USE)	201.4	M	300MM DI WATER PIPE, PC 2.41MPA
2	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 VOLT)	19.6	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (150MM, CLASS 50, 2.41MPA WP)
185	M	ELECTRICAL DUCT, TYPE BD, SIZE **** (TS2)	53.7	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (200MM, CLASS 50, 2.41MPA WP)
35	M	ELECTRICAL DUCT, TYPE BD, SIZE **** (TS3)	169.6	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (300MM, CLASS 50, 2.41MPA WP)
78	M	ELECTRICAL DUCT, TYPE BD, SIZE **** (TS6)	120.9	M	***MM DI RESTRAINED JOINT WATER PIPE, CLASS ***** WP (500MM, CLASS 50, 2.41MPA WP)
175	M	ELECTRICAL DUCT, TYPE JA, SIZE **** (TS2)	24,400	KG	DI RESTRAINED JOINT WATER PIPE FITTINGS, 1.72MPA MIN WP
25	M	ELECTRICAL DUCT, TYPE JA, SIZE **** (TS6)	171.2	M	***MM COPPER WATER PIPE, TYPE K (50MM)
340	M	**#8 W/G FEEDER CIRCUIT (2)	3	M	***MM COPPER WATER PIPE, TYPE K (75MM)
65	M	**#6 W/G FEEDER CIRCUIT (2)	94.9	M	20MM COPPER WATER PIPE, TYPE K
105	M	**#2 W/G FEEDER CIRCUIT (2)	20.3	M	25MM COPPER WATER PIPE, TYPE K
230	M	***** FEEDER CIRCUIT (2, #1)	1,714	KG	DUCTILE IRON WATER PIPE FITTINGS, 1.72MPA MIN WP
1,210	M	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	1	EA	***MM CORPORATION STOP (75MM)
775	M	***#6 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	5	EA	50MM CORPORATION STOP
460	M	***#4 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	12	EA	150MM GATE VALVE & VALVE BOX, 1.38MPA WP
360	M	***#2 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	4	EA	200MM GATE VALVE & VALVE BOX, ****MPA WP (1.38 MPA WP)
620	M	***#1 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT (2, TS1.5)	2	EA	*** X ****MM TAPPING SADDLE (150MM X 50MM)
5	EA	ELECTRICAL JUNCTION BOXES ***** (BR18)	1	EA	*** X ****MM TAPPING SADDLE (150MM X 75MM)
7	EA	ELECTRICAL JUNCTION BOXES ***** (PC18)	1	EA	*** X ****MM TAPPING SADDLE (200MM X 50MM)
10	EA	UNDERPASS LUMINAIRES ***** (TYPE WM, 150W HPS)	2	EA	*** X ****MM TAPPING SADDLE (300MM X 50MM)
Lump Sum	LS	UNDERPASS CIRCUITRY AT ***** (STA 4+57.722 -Y1REV-)	25	EA	RELOCATE EXISTING WATER METER
Lump Sum	LS	PORTABLE LIGHTING	9	EA	RELOCATE EXISTING FIRE HYDRANT
40	EA	GENERIC LIGHTING ITEM LGT STD LUMINAIRE, TYPE RDW 400W HPS	104	M	***MM DI SEWER PIPE, CLASS *** (300MM, CLASS 54)
20	EA	GENERIC LIGHTING ITEM LGT STD, TYPE MTLT, 13.7M, TA 4.6M	97	M	***MM DI SEWER PIPE, CLASS *** (500MM, CLASS 50)
6	EA	GENERIC LIGHTING ITEM RELOCATE LGT STD	42	M	***MM DI SEWER PIPE, PC ****MPA (400MM, PC 2.41 MPA)
2	EA	GENERIC LIGHTING ITEM REMOVE LGT STD	889.4	M	200MM DI SEWER PIPE, PC 2.41MPA
			179.2	M	300MM DI SEWER PIPE, PC 2.41MPA
			28	EA	****MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH (1200MM)
			16.6	M	PRECAST CONC MANHOLE WALL, ****MM DIA, OVER 1.8M HT (1200MM)
			6.8	M	SEWER MANHOLE OUTSIDE DROP ASSEMBLY
			82	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (1050MM, DI WATER PIPE)
			580	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (200MM, VC SEWER PIPE)

110	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (300MM, CI WATER PIPE)	234	M	GENERIC UTILITY ITEM 150MM DI WATER PIPE, PC 2.41MPA WITH NEOPRENE GASKET
245	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (300MM, VC SEWER PIPE)	27	M	GENERIC UTILITY ITEM 300MM DI RESTRAINED JOINT SEWER PIPE, PC 2.41MPA
48	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (375MM, VC SEWER PIPE)	32	M	GENERIC UTILITY ITEM 400MM DI RESTRAINED JOINT SEWER PIPE, PC 2.41MPA
110	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (500MM, CI WATER PIPE)	212.2	M	GENERIC UTILITY ITEM 600MM DI RJ WATER PIPE, CL 50, 2.41MPA WP W/ NEOPRENE GASKET
101	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (500MM, CONC SEWER PIPE)	6.4	M	GENERIC UTILITY ITEM PRECAST CONC MANHOLE WALL, 1500MM DIA OVER 1.8 M HT
200	M	FILL OR REMOVE ABANDONED ***MM PIPE, ***** (600MM, CI WATER PIPE)	21	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 1050MM WATER PIPE, IN SOIL
31	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE	21	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 1050MM WATER PIPE, NOT IN SOIL
5	EA	BREAK DOWN & REBUILD EXISTING MANHOLE	110	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 200MM SEWER PIPE, IN SOIL
1	EA	REMOVE EXISTING MANHOLE	111	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 200MM SEWER PIPE, NOT IN SOIL
2	EA	GENERIC UTILITY ITEM 100MM AIR RELEASE VALVE & 1200MM DIA MANHOLE	68	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 300MM SEWER PIPE, IN SOIL
2	EA	GENERIC UTILITY ITEM 100MM AIR RELEASE VALVE & 1800MM DIA MANHOLE	68	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 300MM SEWER PIPE, NOT IN SOIL
1	EA	GENERIC UTILITY ITEM 1050MM BUTTERFLY VALVE & 1.8M X 3.0M VAULT, 1.72MPA WP	59	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 300MM WATER PIPE, IN SOIL
2	EA	GENERIC UTILITY ITEM 1050MM LINE STOP ASSEMBLY WITH 900MM BYPASS	60	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 300MM WATER PIPE, NOT IN SOIL
1	EA	GENERIC UTILITY ITEM 1200MM DIA PC CONC SEWER MANHOLE W/ FLAT TOP SLAB, 0-1.8M DTH	28	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM SEWER PIPE, IN SOIL
1	EA	GENERIC UTILITY ITEM 1500MM DIA PC CONC FALSE BOTTOM SEWER MH W/FLAT TOP SLAB, 0-1.8M DTH	27	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM SEWER PIPE, NOT IN SOIL
2	EA	GENERIC UTILITY ITEM 1500MM DIA PC CONC SEWER MANHOLE W/ FLAT TOP SLAB & VENT, 0-1.8M DTH	33	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM WATER PIPE, IN SOIL
1	EA	GENERIC UTILITY ITEM 1500MM DIA PC CONC SEWER MANHOLE W/ FLAT TOP SLAB, 0-1.8M DTH	33	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM WATER PIPE, NOT IN SOIL
2	EA	GENERIC UTILITY ITEM 300MM GATE VALVE & VALVE MANHOLE, 1.38MPA WP	59	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 600MM WATER PIPE, IN SOIL
2	EA	GENERIC UTILITY ITEM 500MM BUTTERFLY VALVE & 1800MM DIA VALVE MANHOLE, 1.72 MPA WP	59	M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 600MM WATER PIPE, NOT IN SOIL
4	EA	GENERIC UTILITY ITEM 50MM DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY	16	M3	GENERIC UTILITY ITEM CLASS A CONC FOR PIERS
4	EA	GENERIC UTILITY ITEM 50MM WATER METER	6	M3	GENERIC UTILITY ITEM CLASS B CONC FOR ENCASING PIPELINES
2	EA	GENERIC UTILITY ITEM 600MM BUTTERFLY VALVE & 1800MM DIA VALVE MANHOLE, 1.72 MPA WP	3,700	M	TEMPORARY SILT FENCE
2	EA	GENERIC UTILITY ITEM 600MM LINE STOP ASSEMBLY WITH 400MM BYPASS	575	MTN	STONE FOR EROSION CONTROL, CLASS A
2	EA	GENERIC UTILITY ITEM BREAKDOWN, PLUG & FILL ABANDONED VALVE VAULT	7,400	MTN	STONE FOR EROSION CONTROL, CLASS B
1	EA	GENERIC UTILITY ITEM RELOCATE EXT 100MM BACKFLOW ASSEMBLY WITH NEW SERVICE BOX	5,400	MTN	SEDIMENT CONTROL STONE
1	EA	GENERIC UTILITY ITEM RELOCATE EXT 100MM WATER METER ASSEMBLY WITH NEW METER VAULT	37.5	HA	TEMPORARY MULCHING
1	EA	GENERIC UTILITY ITEM RELOCATE EXT 40MM WATER METER ASSEMBLY WITH NEW METER VAULT	1,700	KG	SEED FOR TEMPORARY SEEDING
1	EA	GENERIC UTILITY ITEM RELOCATE EXT 50MM WATER METER ASSEMBLY	13.5	MTN	FERTILIZER FOR TEMPORARY SEEDING
1	EA	GENERIC UTILITY ITEM RELOCATE EXT 75MM WATER METER ASSEMBLY WITH NEW METER VAULT	225	M	TEMPORARY SLOPE DRAINS
6	EA	GENERIC UTILITY ITEM RELOCATE SANITARY SEWER CLEANOUT	21	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
18	EA	GENERIC UTILITY ITEM THRUST COLLAR	34,000	M3	SILT EXCAVATION
50	M	GENERIC UTILITY ITEM 100MM PVC SEWER PIPE, SCH 40	3,500	M2	SYNTHETIC ROVING
95.2	M	GENERIC UTILITY ITEM 1050MM DI RJ WATER PIPE, CL 50 2.41MPA WP W/ NEOPRENE GASKET	7,900	M2	MATTING FOR EROSION CONTROL
			310	M2	PERMANENT SOIL REINFORCEMENT MAT
			2,050	M	6.4MM HARDWARE CLOTH
			40	M	***MM TEMPORARY PIPE (1050MM)
			45	M	***MM TEMPORARY PIPE (450MM)
			350	M3	STILLING BASINS
			40	HA	SEEDING & MULCHING
			21	HA	MOWING
			450	KG	SEED FOR REPAIR SEEDING
			1.5	MTN	FERTILIZER FOR REPAIR SEEDING
			1,125	KG	SEED FOR SUPPLEMENTAL SEEDING
			67.25	MTN	FERTILIZER TOPDRESSING
			50	M	IMPERVIOUS DIKE
			28	HR	SPECIALIZED HAND MOWING
			24	EA	RESPONSE FOR EROSION CONTROL

				Lump Sum	LS	GENERIC RETAINING WALL ITEM RETAINING WALL NO. 2
				Lump Sum	LS	GENERIC RETAINING WALL ITEM RETAINING WALL NO. 3
2	EA	GENERIC SIGNAL ITEM RELOCATE EXISTING CCTV CAMERA ASSEMBLY, TYPE B				
6	EA	GENERIC SIGNAL ITEM SYSTEM DETECTOR AMPLIFIER (2- CHANNEL)				
1	EA	GENERIC SIGNAL ITEM UNINTERRUPTABLE POWER SUPPLY				
1	EA	GENERIC SIGNAL ITEM VIDEO DISTRIBUTION AMPLIFIER				
2	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL RECEIVER DEMULTIPLEXER (VORDEMUX)				
18	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL RECEIVER WITH DATA (VOR-D)				
2	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL TRANSMITTER MULTIPLEXER (VOTMUX)				
10	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL TRANSMITTER WITH DATA (VOT-D)				
Lump Sum	LS	GENERIC SIGNAL ITEM CENTRAL FREEWAY CONGESTION MONITORING CENTRAL SOFTWARE				
Lump Sum	LS	GENERIC SIGNAL ITEM MODIFY CENTRAL CCTV SOFTWARE				
Lump Sum	LS	GENERIC SIGNAL ITEM MODIFY DURHAM TOC VIDEO MATRIX SWITCHER				
Lump Sum	LS	GENERIC SIGNAL ITEM MODIFY TRTMC MATRIX SWITCHER SOFTWARE				
Lump Sum	LS	GENERIC SIGNAL ITEM TRAINING				
Lump Sum	LS	GENERIC SIGNAL ITEM UPDATE REGIONAL GRAPHICAL USER INTERFACE SOFTWARE				
19,500	M	GENERIC SIGNAL ITEM COMMUNICATIONS CABLE (72 FIBER)				
13,100	M	GENERIC SIGNAL ITEM DETECTOR LEAD-IN CABLE				
4,820	M	GENERIC SIGNAL ITEM DROP CABLE				
7,901	M	GENERIC SIGNAL ITEM UNDERGROUND MULTI-DUCT CONDUIT 31.75MM (FOUR CONDUITS)				

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (1+269.700 -US NBD-)				
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (3+314.436 -LREV-)				
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (22+395.694 -LREV-)	156,816	KG		
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (3+314.436 -LREV-)	17,368	KG		
295	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	1,112	M		
501.5	M3	CLASS A CONCRETE (CULVERT)	160.114	M		
55,687	KG	REINFORCING STEEL (CULVERT)	596.004	M		
15	M	***MM GALVANIZED STEEL PIPE RAIL (38MM)	91.766	M		
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM, STA ***** (3+314.436 -LREV-)	2,389	M2		
Lump Sum	LS	GENERIC CULVERT ITEM FOUNDATION EXCAVATION	1,181	MTN		

WALL ITEMS

75	M3	FOUNDATION EXCAVATION (RETAIN- ING WALL)				
33.5	M3	CLASS AA CONCRETE (BRIDGE)				
3,638	KG	REINFORCING STEEL (RETAINING WALL)				
Lump Sum	LS	MSE RETAINING WALL, STA ***** (1+225.000 -HILLRPC-)				
Lump Sum	LS	MSE RETAINING WALL, STA ***** (1+333.000 -HILLRPD-)				
Lump Sum	LS	GENERIC RETAINING WALL ITEM RETAINING WALL NO. 1				

				Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (240+97.651 -LREV-)
				Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (219+98.088 -LREV-)
				Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (231+53.209 -LREV-)
				Lump Sum	LS	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (240+97.651 -LREV-)
			77.5	M	****MM DIA DRILLED PIERS IN SOIL (1066MM)	
			28.3	M	****MM DIA DRILLED PIERS IN SOIL (1220MM)	
			11.5	M	****MM DIA DRILLED PIERS IN SOIL (1372MM)	
			10.5	M	****MM DIA DRILLED PIERS IN SOIL (1524MM)	
			55	M	****MM DIA DRILLED PIERS NOT IN SOIL (1066MM)	
			21.5	M	****MM DIA DRILLED PIERS NOT IN SOIL (1220MM)	
			22.5	M	****MM DIA DRILLED PIERS NOT IN SOIL (1372MM)	
			31	M	****MM DIA DRILLED PIERS NOT IN SOIL (1524MM)	
			3	EA	CROSSHOLE SONIC LOGGING	
			1,143.9	M	CSL TUBES	
			630	M3	UNCLASSIFIED STRUCTURE EXCAVA- TION	
			10,225.8	M2	REINFORCED CONCRETE DECK SLAB	
			9,459.7	M2	GROOVING BRIDGE FLOORS	
			1,228.2	M3	CLASS A CONCRETE (BRIDGE)	
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (219+98.088 -LREV-)	
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (231+53.209 -LREV-)	
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (240+97.651 -LREV-)	
			156,816	KG	REINFORCING STEEL (BRIDGE)	
			17,368	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	
			1,947,300	LS	APPROX KG STRUCTURAL STEEL	
			1,112	M	HP310X79 STEEL PILES	
			160.114	M	THREE BAR METAL RAIL	
			596.004	M	CONCRETE BARRIER RAIL	
			91.766	M	CONCRETE MEDIAN BARRIER	
			2,389	M2	100MM SLOPE PROTECTION	
			1,181	MTN	PLAIN RIP RAP CLASS II (600MM THICK)	
			Lump Sum	LS	POT BEARINGS	
			Lump Sum	LS	ELASTOMERIC BEARINGS	
			Lump Sum	LS	EVAZOTE JOINT SEALS	
			Lump Sum	LS	MODULAR EXPANSION JOINT SEALS	
			Lump Sum	LS	GENERIC STRUCTURE ITEM CONSTRUCTION & MAINT OF TEMP WIDENING STR AT STA 231+ 53.2 09-LREV	
			28	M	GENERIC STRUCTURE ITEM COLUMN EXCAVATION	
			10,000	DOL	CONTRACT TIME	

STRUCTURE ITEMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 002

CONTRACT ID : C200696 8.2750803

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.230 MI

COUNTY : WATAUGA

GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE : JUL 15 2004

BRIDGES #49 & 50 OVER MIDDLE FORK & EAST FORK NEW RIVER & APPROACHES ON SR-1522.

ROADWAY ITEMS

			6	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (48")
			3	EA	SINGLE GATES, *** HIGH, ** WIDE, ** OPENING (48" HIGH, 10' WIDE, 10' OPENING)
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (14+01.00)	390	LF	GENERIC FENCING ITEM 54" WOOD FENCE RESET
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (18+81.50)	25	TON	PLAIN RIP RAP, CLASS B
Lump Sum	LS	GRADING	380	SY	FILTER FABRIC FOR DRAINAGE
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	229	SF	WORK ZONE SIGNS (STATIONARY)
60	CY	UNDERCUT EXCAVATION	491	SF	WORK ZONE SIGNS (PORTABLE)
500	TON	CLASS IV SUBGRADE STABILIZATION	156	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
500	CY	SELECT GRANULAR MATERIAL	70	EA	DRUMS
500	SY	FABRIC FOR SOIL STABILIZATION	25	EA	CONES
500	SF	TEMPORARY SHORING - BARRIER SUPPORTED	190	LF	BARRICADES (TYPE III)
50	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	3,400	HR	FLAGGER
80	LF	15" SIDE DRAIN PIPE	2	EA	WARNING LIGHTS (TYPE B)
16	LF	15" RC PIPE CULVERTS, CLASS III	4	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)
296	LF	18" RC PIPE CULVERTS, CLASS III	264	LF	WATER FILLED BARRIER
68	LF	18" CS PIPE CULVERTS, 0.064" THICK	30	EA	TEMPORARY RAISED PAVEMENT MARKERS
250	LF	PIPE REMOVAL	2,702	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,530	TON	AGGREGATE BASE COURSE	2,716	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
100	TON	INCIDENTAL STONE BASE	30	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	10,836	LF	PAINT PAVEMENT MARKING LINES (4")
710	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	60	LF	PAINT PAVEMENT MARKING LINES (24")
750	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	100	LF	REMOVAL OF PAVEMENT MARKING LINES (12")
91	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	30	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
20	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	15	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
27	EA	RIGHT OF WAY MARKERS	Lump Sum	LS	PORTABLE LIGHTING
90	CY	SUBDRAIN EXCAVATION	80	TON	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
70	CY	SUBDRAIN FINE AGGREGATE	80	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)
400	LF	6" PERFORATED SUBDRAIN PIPE	41	LF	6" DI WATER PIPE, PC 350
12	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	650	LF	12" DI WATER PIPE, PC 350
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	165	LF	*** DI RESTRAINED JOINT WATER PIPE, CLASS ***** (12", 350)
6	LF	6" OUTLET PIPE (SUBDRAINS)	880	LB	DI RESTRAINED JOINT WATER PIPE FITTINGS, 250# MIN WP
4	CY	REINFORCED ENDWALLS	4	LF	3/4" COPPER WATER PIPE, TYPE K
3	EA	MASONRY DRAINAGE STRUCTURES	980	LB	DUCTILE IRON WATER PIPE FITTINGS, 250# MIN WP
1	EA	FRAME WITH TWO GRATES, STD 840.24	1	EA	3/4" CORPORATION STOP
3	EA	*** SLUICE GATE (25")	1	EA	6" GATE VALVE & VALVE BOX, 200# WP
2	EA	GENERIC DRAINAGE ITEM STEEL FRAME & GRATE (NARROW SLOTS)	2	EA	12" GATE VALVE & VALVE BOX, ****WP (200#)
Lump Sum	LS	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN	1	EA	RELOCATE EXISTING WATER METER
160	LF	SHOULDER BERM GUTTER	1	EA	RELOCATE EXISTING FIRE HYDRANT
337.5	LF	STEEL BM GUARDRAIL	65	LF	*** STEEL ENCASEMENT PIPE, ***** THICK, BY BORING & JACKING (24", 0.25")
75	LF	STEEL BM GUARDRAIL, SHOP CURVED	2,520	LF	TEMPORARY SILT FENCE
5	EA	ADDITIONAL GUARDRAIL POSTS	150	TON	STONE FOR EROSION CONTROL, CLASS A
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1	475	TON	STONE FOR EROSION CONTROL, CLASS B
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III	135	TON	SEDIMENT CONTROL STONE
6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	1.5	ACR	TEMPORARY MULCHING
470	LF	CHAIN LINK FENCE, 48" FABRIC	50	LB	SEED FOR TEMPORARY SEEDING
43	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE	0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
12	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE	940	CY	SILT EXCAVATION

460	SY	SYNTHETIC ROVING
830	SY	MATTING FOR EROSION CONTROL
60	LF	1/4" HARDWARE CLOTH
1.5	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
2	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+01.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+81.50-L-)
47.42	LF	***.***" DIA DRILLED PIERS IN SOIL (3'-0")
44	LF	***.***" DIA DRILLED PIERS NOT IN SOIL (3'-0")
2	EA	CROSSHOLE SONIC LOGGING
425.67	LF	CSL TUBES
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (14+01.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (18+81.50-L-)
79.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (14+01.00-L-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+81.50-L-)
21,331	LB	REINFORCING STEEL (BRIDGE)
1,764	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
315	LF	HP12X53 STEEL PILES
199.72	LF	CONCRETE BARRIER RAIL
570	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
640	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,398.03	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 003

CONTRACT ID : C200670 8.2751403

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.129 MI

COUNTY : WATAUGA

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : DEC 31 2004

BRIDGE OVER HOWARD'S CREEK & APPROACHES ON SR-1306.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
130	SF	TEMPORARY SHORING
23	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
88	LF	15" RC PIPE CULVERTS, CLASS III
36	LF	18" RC PIPE CULVERTS, CLASS III
44	LF	15" CS PIPE CULVERTS, 0.064" THICK
36	LF	18" CS PIPE CULVERTS, 0.064" THICK
164	LF	PIPE REMOVAL
400	TON	AGGREGATE BASE COURSE
80	TON	INCIDENTAL STONE BASE
352	GAL	PRIME COAT
120	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
90	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
360	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5A
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
10	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
17	EA	RIGHT OF WAY MARKERS
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH GRATE, STD 840.29
20	LF	SHOULDER BERM GUTTER
110	LF	CONCRETE VALLEY GUTTER
50	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (III-SC)
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
3	EA	GUARDRAIL ANCHOR UNITS, TYPE III
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
100	LF	TEMPORARY STEEL BM GUARDRAIL
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (III)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
160	TON	PLAIN RIP RAP, CLASS II
2	TON	PLAIN RIP RAP, CLASS B
1,040	SY	FILTER FABRIC FOR DRAINAGE
198	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
54	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
23	EA	DRUMS
21	EA	CONES
84	LF	BARRICADES (TYPE III)
960	HR	FLAGGER
4	EA	WARNING LIGHTS (TYPE B)
1	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)
43	EA	TEMPORARY RAISED PAVEMENT MARKERS
2,960	LF	EPOXY PAVEMENT MARKING LINES (4")
11	LF	EPOXY PAVEMENT MARKING LINES (24")
11,408	LF	PAINT PAVEMENT MARKING LINES (4")
56	LF	PAINT PAVEMENT MARKING LINES (24")
305	LF	TEMPORARY SILT FENCE

75	TON	STONE FOR EROSION CONTROL, CLASS A
165	TON	STONE FOR EROSION CONTROL, CLASS B
400	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
305	CY	SILT EXCAVATION
260	SY	SYNTHETIC ROVING
260	SY	MATTING FOR EROSION CONTROL
16	EA	SPECIAL STILLING BASINS
1	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.5	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***** (18+09.70-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (18+09.70-L-)
103.67	LF	***.***" DIA DRILLED PIERS IN SOIL (3'-0")
56	LF	***.***" DIA DRILLED PIERS NOT IN SOIL (3'-0")
93.41	LF	PERMANENT STEEL CASING FOR ***.***" DIA DRILLED PIER (3'-0")
2	EA	CROSSHOLE SONIC LOGGING
718.67	LF	CSL TUBES
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (18+09.70-L-)
41.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (18+09.70-L-)
14,932	LB	REINFORCING STEEL (BRIDGE)
3,344	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,484	SF	*** STEEL SHEET PILES (12")
95.5	LF	CONCRETE BARRIER RAIL
Lump Sum	LS	ELASTOMERIC BEARINGS
716.25	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 004

CONTRACT ID : C200673 8.2751703

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.095 MI

COUNTY : WATAUGA

GRADING, DRAINAGE, PAVING & CULVERT.

DBE GOAL 7.0% COMPLETION DATE : OCT 01 2003

PRECAST CULVERT AT WINKLERS CREEK AND APPROACHES ON SR1549.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
3	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
16	LF	15" RC PIPE CULVERTS, CLASS III
60	TON	INCIDENTAL STONE BASE
330	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
180	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
140	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5A
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
19	EA	RIGHT OF WAY MARKERS
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.29
120	LF	CONCRETE EXPRESSWAY GUTTER
150	LF	CONCRETE VALLEY GUTTER
237.5	LF	STEEL BM GUARDRAIL
262.5	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	TON	PLAIN RIP RAP, CLASS I
40	TON	PLAIN RIP RAP, CLASS II
3	TON	PLAIN RIP RAP, CLASS B
210	SY	FILTER FABRIC FOR DRAINAGE
238	SF	WORK ZONE SIGNS (STATIONARY)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
1,116	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,116	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
7	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
11	TON	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (V)
11	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (V)
202.6	LF	6" DI WATER PIPE, PC 350
107	LF	3/4" COPPER WATER PIPE, TYPE K
250	LB	DUCTILE IRON WATER PIPE FITTINGS, 250# MIN WP
3	EA	3/4" CORPORATION STOP
2	EA	6" GATE VALVE & VALVE BOX, 200# WP
3	EA	RELOCATE EXISTING WATER METER
1	EA	RELOCATE EXISTING FIRE HYDRANT
1	EA	GENERIC UTILITY ITEM 6" TRANSITION COUPLING, DI TO AC
620	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
130	TON	STONE FOR EROSION CONTROL, CLASS B
40	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
50	LF	TEMPORARY SLOPE DRAINS
2	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
225	CY	SILT EXCAVATION
190	SY	SYNTHETIC ROVING

310	SY	MATTING FOR EROSION CONTROL
20	LF	1/4" HARDWARE CLOTH
50	CY	STILLING BASINS
0.5	ACR	SEEDING & MULCHING
0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.5	TON	FERTILIZER TOPDRESSING
100	LF	IMPERVIOUS DIKE
1	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL

CULVERT ITEMS

40	TON	PLAIN RIP RAP, CLASS II
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (14+02.00 -L-)
Lump Sum	LS	GENERIC CULVERT ITEM PRECAST REINFORCED CONCRETE THREE-SIDED CULVERT @ STA 14+02.00-L

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 005

CONTRACT ID : C200703 8.1801204

DIV OFFICE SHELBY

LENGTH = 0.506 MI

COUNTY : CLEVELAND

GRADING, DRAINAGE, PAVING & STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : OCT 15 2005

BRIDGE OVER I-85 & US-29 AND APPROACHES ON NC-161.

ROADWAY ITEMS

			60	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
			224	CY	SUBDRAIN EXCAVATION
			168	CY	SUBDRAIN FINE AGGREGATE
			1,000	LF	6" PERFORATED SUBDRAIN PIPE
			30	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS
			2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
			12	LF	6" OUTLET PIPE (SUBDRAINS)
			3.4	CY	ENDWALLS
			1.03	CY	PIPE COLLARS
			0.07	CY	PIPE PLUGS
			59	EA	MASONRY DRAINAGE STRUCTURES
			24	LF	MASONRY DRAINAGE STRUCTURES
			5	EA	FRAME WITH TWO GRATES, STD 840.16
			11	EA	FRAME WITH TWO GRATES, STD 840.22
			4	EA	FRAME WITH TWO GRATES, STD 840.24
			1	EA	FRAME WITH TWO GRATES, STD 840.29
			5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
			21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
			7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
			5	EA	STEEL FRAME WITH TWO GRATES, STD840.37
			1	EA	CONCRETE APRON FOR CATCH BASIN
			8,080	LF	2'-6" CONCRETE CURB & GUTTER
			1,050	LF	SHOULDER BERM GUTTER
			500	LF	CONCRETE EXPRESSWAY GUTTER
			1,300	SY	4" CONCRETE SIDEWALK
			54	SY	CONCRETE WHEELCHAIR RAMPS
			54	SY	6" CONCRETE DRIVEWAY
			75	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
			7	EA	ADJUSTMENT OF MANHOLES
			21	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
			4	EA	GENERIC DRAINAGE ITEM CONVERT DROP INLET TO MANHOLE
			2	EA	GENERIC DRAINAGE ITEM CONVERT MANHOLE TO JUNCTION BOX
			2,962.5	LF	STEEL BM GUARDRAIL
			75	LF	STEEL BM GUARDRAIL, SHOP CURVED
			2	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
			10	EA	ADDITIONAL GUARDRAIL POSTS
			6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
			9	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
			2,045	LF	REMOVE EXISTING GUARDRAIL
			525	LF	TEMPORARY STEEL BM GUARDRAIL
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (CAT-1)
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (III)
			4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
			3,380	LF	CHAIN LINK FENCE, 48" FABRIC
			288	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
			14	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
			50	LF	CHAIN LINK FENCE RESET
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . . ACRE(S)			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
4	EA	SEALING ABANDONED WELLS			
69,200	CY	UNCLASSIFIED EXCAVATION			
2,000	CY	UNDERCUT EXCAVATION			
360	TON	CLASS IV SUBGRADE STABILIZATION			
7,300	CY	BORROW EXCAVATION			
1,760	CY	DRAINAGE DITCH EXCAVATION			
5,800	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT			
1,000	CY	SELECT GRANULAR MATERIAL			
1,000	SY	FABRIC FOR SOIL STABILIZATION			
950	SF	TEMPORARY SHORING - BARRIER SUPPORTED			
700	CY	GENERIC GRADING ITEM SELECT GRANULAR MATERIAL FOR TEMP FABRIC WALL			
2,200	SY	GENERIC GRADING ITEM FABRIC FOR TEMP FABRIC WALL			
9,250	TON	GENERIC GRADING ITEM SELECT MATERIAL, CLASS VII			
700	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS			
44	LF	15" SIDE DRAIN PIPE			
452	LF	12" RC PIPE CULVERTS, CLASS III			
3,712	LF	15" RC PIPE CULVERTS, CLASS III			
624	LF	18" RC PIPE CULVERTS, CLASS III			
1,036	LF	24" RC PIPE CULVERTS, CLASS III			
144	LF	30" RC PIPE CULVERTS, CLASS III			
116	LF	36" RC PIPE CULVERTS, CLASS III			
44	LF	*** CS PIPE CULVERTS, ***** THICK (12", 0.064")			
240	LF	15" CS PIPE CULVERTS, 0.064" THICK			
2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")			
88	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			
1,792	LF	PIPE REMOVAL			
Lump Sum	LS	FINE GRADING			
1,780	TON	AGGREGATE BASE COURSE			
200	TON	INCIDENTAL STONE BASE			
1,267	GAL	PRIME COAT			
5,320	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
19,650	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
2,020	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B			
7,210	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
810	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D			
1,630	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
4,770	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
3,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S12.5D			
1,614	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
349	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22			
201	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 006

CONTRACT ID : C200505 8.1844402

DIV OFFICE ASHEVILLE

LENGTH = 3.034 KM

COUNTY : BUNCOMBE

WIDENING, GRADING, DRAINAGE, PAVING & CULVERTS.

DBE GOAL 10.0% COMPLETION DATE : OCT 15 2005

NC-191 (BREVARD RD) FROM NORTH OF BLUE RIDGE PARKWAY TO NC-112 (SARDIS RD).

ROADWAY ITEMS

			1,705	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
			305	MTN	ASPHALT PLANT MIX PAVEMENT REPAIR
Lump Sum	LS	MOBILIZATION	120	EA	RIGHT OF WAY MARKERS
Lump Sum	LS	CONSTRUCTION SURVEYING	248.4	M3	SUBDRAIN EXCAVATION
Lump Sum	LS	CLEARING & GRUBBING ... HEC-TARE(S)	124.2	M3	SUBDRAIN FINE AGGREGATE
0.4	HA	SUPPLEMENTARY CLEARING & GRUBBING	300	M	150MM PERFORATED SUBDRAIN PIPE
43,000	M3	UNCLASSIFIED EXCAVATION	30	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
1,900	M3	UNDERCUT EXCAVATION	2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
8,400	M3	BORROW EXCAVATION	4	M	150MM OUTLET PIPE (SUBDRAINS)
550	M3	DRAINAGE DITCH EXCAVATION	10	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
421	M	BERM DITCH CONSTRUCTION	0.4	M3	PIPE COLLARS
9,300	M2	REMOVAL OF EXISTING ASPHALT PAVEMENT	0.4	M3	PIPE PLUGS
1,450	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	119	EA	MASONRY DRAINAGE STRUCTURES
10	HR	PROOF ROLLING	5.2	M3	MASONRY DRAINAGE STRUCTURES
1,400	M3	SELECT GRANULAR MATERIAL	40.05	M	MASONRY DRAINAGE STRUCTURES
1,400	M2	FABRIC FOR SOIL STABILIZATION	11	EA	FRAME WITH TWO GRATES, STD 840.16
92	M2	TEMPORARY SHORING	8	EA	FRAME WITH TWO GRATES, STD 840.24
54	M2	TEMPORARY SHORING - BARRIER SUPPORTED	1	EA	FRAME WITH TWO GRATES, STD 840.29
1,010	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
9.6	M	****MM SIDE DRAIN PIPE (300MM)	41	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
68.4	M	375MM SIDE DRAIN PIPE	52	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
6	M	450MM SIDE DRAIN PIPE	1	EA	FRAME WITH COVER, STD 840.54
18	M	300MM RC PIPE CULVERTS, CLASS III	1	EA	GENERIC DRAINAGE ITEM BICYCLE SAFE STEEL GRATE & FRAME
1,156.8	M	375MM RC PIPE CULVERTS, CLASS III	225	M	*** X ***MM CONCRETE CURB (200MM X 300MM)
867.6	M	450MM RC PIPE CULVERTS, CLASS III	475	M	450MM CONCRETE CURB & GUTTER
688.8	M	600MM RC PIPE CULVERTS, CLASS III	5,950	M	750MM CONCRETE CURB & GUTTER
117.6	M	750MM RC PIPE CULVERTS, CLASS III	360	M2	CONCRETE WHEELCHAIR RAMPS
25.2	M	900MM RC PIPE CULVERTS, CLASS III	920	M2	150MM CONCRETE DRIVEWAY
86.4	M	1050MM RC PIPE CULVERTS, CLASS III	14	M2	100MM CONCRETE PAVED DITCH
33.6	M	1200MM RC PIPE CULVERTS, CLASS III	870.25	M2	125MM MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1	EA	*** X *** X ***MM RC PIPE TEES CLASS III (375MM X 375MM X 375MM)	1	EA	ADJUSTMENT OF CATCH BASINS
8.4	M	***MM BIT COAT CS PIPE CULVERTS, TYPE B ***MM THICK (300MM, 1.63MM)	895.35	M	STEEL BM GUARDRAIL
52.8	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	60.96	M	STEEL BM GUARDRAIL, SHOP CURVED
19.2	M	450MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	10	EA	ADDITIONAL GUARDRAIL POSTS
15.6	M	600MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK	2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
2	EA	300MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	8	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
8	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	450MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	50	M	REMOVE EXISTING GUARDRAIL
2	EA	600MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK	63	MTN	PLAIN RIP RAP, CLASS I
659.2	M	PIPE REMOVAL	557	MTN	PLAIN RIP RAP, CLASS B
5	EA	PIPE CLEAN-OUT	2,381	M2	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	FINE GRADING	1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
1,000	KG	SEALING EXISTING PAVEMENT CRACKS	322	M	SUPPORTS, 4.5KG STEEL U-CHANNEL
28,300	MTN	AGGREGATE BASE COURSE	14	EA	SIGN ERECTION, TYPE D
1,000	MTN	INCIDENTAL STONE BASE	38	EA	SIGN ERECTION, TYPE E
8,500	L	PRIME COAT	5	EA	SIGN ERECTION, TYPE F
4,810	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B	1	EA	RELOCATE SIGN, TYPE ***** (D)
15,400	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	3	EA	RELOCATE SIGN, TYPE ***** (E)
11,900	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	4	EA	DISPOSAL OF SUPPORT, STEEL BEAM
			56	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
			2	EA	DISPOSAL OF SIGN SYSTEM, WOOD

29	M	GENERIC SIGNING ITEM 4.5KG CORROSION RESISTANT STEEL U-CHANNEL	2	EA	*** X ***MM TAPPING SADDLE (200MM X 50MM)
125	M2	WORK ZONE SIGNS (STATIONARY)	49	EA	*** X ***MM TAPPING SADDLE (600MM X 18.75MM)
67	M2	WORK ZONE SIGNS (PORTABLE)	2	EA	*** X ***MM TAPPING SADDLE (600MM X 25MM)
18	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)	6	EA	*** X ***MM TAPPING SADDLE (600MM X 37.5MM)
2	EA	FLASHING ARROW PANELS, TYPE C	4	EA	*** X ***MM TAPPING SADDLE (600MM X 50MM)
4	EA	WARNING FLAG SETS	3	EA	RELOCATE EXISTING WATER METER
500	EA	DRUMS	15	M	***MM PVC FORCE MAIN SEWER PIPE, ***** (75MM, SDR 21)
50	EA	CONES	388	M	***MM DI SEWER PIPE, PC ***MPA (100MM, PC 2.41MPA)
92	M	BARRICADES (TYPE II)	469	M	200MM DI SEWER PIPE, PC 2.41MPA
56	M	BARRICADES (TYPE III)	133	M	300MM DI SEWER PIPE, PC 2.41MPA
5,000	HR	FLAGGER	130	M	***MM DI FORCE MAIN SEWER PIPE PC ***MPA (150MM, PC 2.41MPA)
4	EA	WARNING LIGHTS (TYPE B)	1,856	KG	DUCTILE IRON SEWER PIPE FIT- TINGS, 1.72MPA MIN WP
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)	35	EA	SANITARY SEWER CLEAN-OUT
120	M	WATER FILLED BARRIER	8	EA	***MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH (1200MM)
60	M	RESET WATER FILLED BARRIER	19	M	PRECAST CONC MANHOLE WALL, ***MM DIA, OVER 1.8M HT (1200MM)
200	HR	POLICE	2	EA	BREAK DOWN & REBUILD EXISTING MANHOLE
1,344	EA	TEMPORARY RAISED PAVEMENT MARKERS	2	EA	REMOVE EXISTING MANHOLE
876	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 2.3MM)	35	EA	GENERIC UTILITY ITEM 100MM TRANSITION COUPLING
9,405	M	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)	49	EA	GENERIC UTILITY ITEM 15.63MM WATER METER ASSEMBLY
91	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)	30	EA	GENERIC UTILITY ITEM 150MM GATE VALVE & VALVE BOX
72	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)	12	EA	GENERIC UTILITY ITEM 150MM TRANSITION COUPLING
238	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)	22	EA	GENERIC UTILITY ITEM 200MM FIRE HYDRANT, 1.38MPA WP
8	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (3.1MM)	13	EA	GENERIC UTILITY ITEM 200MM GATE VALVE & VALVE BOX
107	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (2.3MM)	4	EA	GENERIC UTILITY ITEM 200MM TRANSITION COUPLING
46,820	M	PAINT PAVEMENT MARKING LINES (100MM)	5	EA	GENERIC UTILITY ITEM 25MM WATER METER ASSEMBLY
676	M	PAINT PAVEMENT MARKING LINES (200MM)	1	EA	GENERIC UTILITY ITEM 37.5MM WATER METER ASSEMBLY
622	M	PAINT PAVEMENT MARKING LINES (600MM)	3	EA	GENERIC UTILITY ITEM 50MM BALL VALVE, 2.07MPA
16	EA	PAINT PAVEMENT MARKING CHARAC- TER	3	EA	GENERIC UTILITY ITEM 50MM WATER METER ASSEMBLY
230	EA	PAINT PAVEMENT MARKING SYMBOL	7	EA	GENERIC UTILITY ITEM 600MM BUTTERFLY VALVE ASSEMBLY
2,200	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)	2	EA	GENERIC UTILITY ITEM AIR RELEASE VALVE ASSEMBLY
200	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	4,984	KG	GENERIC UTILITY ITEM DI RESTRAINED JOINT WATER PIPE FITTINGS
47	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)	2,310	M	TEMPORARY SILT FENCE
993	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS	460	MTN	STONE FOR EROSION CONTROL, CLASS A
733	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS ***** (VI)	1,910	MTN	STONE FOR EROSION CONTROL, CLASS B
733	MTN	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)	1,345	MTN	SEDIMENT CONTROL STONE
380	MTN	PAVEMENT REPAIR FOR UTILITY WORK	2.5	HA	TEMPORARY MULCHING
50	M3	CLASS B CONCRETE FOR ENCASING UTILITY LINES	100	KG	SEED FOR TEMPORARY SEEDING
2,108	M	***MM DI WATER PIPE, PC ***MPA (600MM, PC 2.41MPA)	0.75	MTN	FERTILIZER FOR TEMPORARY SEED- ING
225	M	150MM DI WATER PIPE, PC 2.41MPA	140	M	TEMPORARY SLOPE DRAINS
633	M	200MM DI WATER PIPE, PC 2.41MPA	10	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
647	M	***MM DI RESTRAINED JOINT WA- TER PIPE, CLASS ***** WP (600MM,PC350,2.41MPA)	3,840	M3	SILT EXCAVATION
550	M	***MM COPPER WATER PIPE, TYPE K (18.75MM)	1,800	M2	SYNTHETIC ROVING
25	M	***MM COPPER WATER PIPE, TYPE K (37.5MM)	900	M2	MATTING FOR EROSION CONTROL
23	M	***MM COPPER WATER PIPE, TYPE K (50MM)	20	M2	PERMANENT SOIL REINFORCEMENT MAT
80	M	25MM COPPER WATER PIPE, TYPE K	780	M	6.4MM HARDWARE CLOTH
5,709	KG	DUCTILE IRON WATER PIPE FIT- TINGS, 1.72MPA MIN WP	30	M	***MM TEMPORARY PIPE (450MM)
49	EA	***MM CORPORATION STOP (18.75MM)	170	M3	STILLING BASINS
1	EA	***MM CORPORATION STOP (37.5MM)	2.5	HA	SEEDING & MULCHING
4	EA	25MM CORPORATION STOP	1.5	HA	MOWING
3	EA	50MM CORPORATION STOP	50	KG	SEED FOR REPAIR SEEDING
1	EA	*** X ***MM TAPPING SADDLE (150MM X 50MM)	0.25	MTN	FERTILIZER FOR REPAIR SEEDING
			75	KG	SEED FOR SUPPLEMENTAL SEEDING
			4	MTN	FERTILIZER TOPDRESSING
			60	M	IMPERVIOUS DIKE
			6	HR	SPECIALIZED HAND MOWING
			16	EA	RESPONSE FOR EROSION CONTROL

90	M3	CULVERT DIVERSION CHANNEL
1	HA	REFORESTATION
3	EA	GENERIC EROSION CONTROL ITEM ROOTWADS
150	M2	GENERIC EROSION CONTROL ITEM COIR FIBER MAT
200	M2	GENERIC EROSION CONTROL ITEM LIVE STAKING
200	M	GENERIC EROSION CONTROL ITEM TREE PROTECTION FENCE
6	EA	PEDESTRIAN SIGNAL HEAD (300MM, 2 SECTION)
3,234	M	SIGNAL CABLE
61	EA	VEHICLE SIGNAL HEAD (300MM, 3 SECTION)
8	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)
14	EA	VEHICLE SIGNAL HEAD (300MM, 5 SECTION)
1	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD
2,150	M	MESSENGER CABLE (6.35MM)
344	M	MESSENGER CABLE (9.52MM)
1,070	M	TRACER WIRE
46	M	TRENCHING (PAVED)
2,167	M	TRENCHING (UNPAVED)
907	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT) (1)
68	EA	JUNCTION BOX (STANDARD SIZE)
24	EA	JUNCTION BOX (OVER-SIZED)
1	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
16	EA	WOOD POLE
35	EA	GUY ASSEMBLY
3	EA	25MM RISER WITH WEATHERHEAD
9	EA	50MM RISER WITH WEATHERHEAD
9	EA	50MM RISER WITH HEAT SHRINK TUBING
5,983	M	INDUCTIVE LOOP SAWCUT
5,020	M	LEAD-IN CABLE
3	EA	LOOP EMULATOR DETECTION SYSTEM
3,120	M	COMMUNICATIONS CABLE (**FIBER) (12)
7	EA	INTERCONNECT CENTER
7	EA	FIBER-OPTIC TRANSCEIVER
24	EA	DELINEATOR MARKER
22	EA	SIGNAL SUPPORT MAST ARM WITH METAL POLE
25	EA	METAL SIGNAL POLE FOUNDATION
1	EA	SIGNAL PEDESTAL WITH FOUNDA- TION
4	EA	MAST ARM WITH METAL POLE DE- SIGN
23	EA	SIGN FOR SIGNALS
7	EA	SIGNAL CABINET FOUNDATION
7	EA	CABINET BASE ADAPTER
7	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
102	EA	DETECTOR CHANNEL (TYPE 2070L)
4	EA	METAL POLE FOUNDATION REMOVAL
4	EA	METAL POLE REMOVAL
3	EA	GENERIC SIGNAL ITEM WEATHERING STEEL SIGNAL SUP- PORT MAST ARM W/ METAL POLE

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (22+60.250-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (13+06.030-Y1-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (22+60.250-L-)
149	MTN	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
247.2	M3	CLASS A CONCRETE (CULVERT)
22,726	KG	REINFORCING STEEL (CULVERT)
Lump Sum	LS	GENERIC STRUCTURE ITEM REMOVAL AND RESTORATION OF EXISTING STONE MASONRY FASCIA

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L030415 007

CONTRACT ID : C200712 6.841008R

DIV OFFICE ASHEVILLE

LENGTH = 4.600 MI

COUNTY : BUNCOMBE

MILLING AND RESURFACING OR HOT IN-PLACE RECYCLING.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : OCT 01 2003

US-70 FROM SR-2727 TO SR-2489.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
350	TON	PATCHING EXISTING PAVEMENT
50,416	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
72,864	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
3,680	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
4	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
80	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,214	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
		***** BEGIN SCHEDULE AA *****
		***** (2 ALTERNATES) *****
148,427	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")
20,858	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,356	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
		*** OR ***
201	TON	GENERIC PAVING ITEM ASPHALT BINDER FOR ADMIXTURE
3,097	TON	GENERIC PAVING ITEM HOT MIX ASPHALT ADMIXTURE
14,843	GAL	GENERIC PAVING ITEM EMULSIFIED ASPHALT REJUVENAT- ING AGENT
148,427	SY	GENERIC PAVING ITEM HIP RECYCLED ASPHALT CONC, TYPE S9.5B
		*** END SCHEDULE AA ***

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 008

CONTRACT ID : C200681 8.2970503

DIV OFFICE SYLVA

LENGTH = 0.290 KM

COUNTY : MACON

GRADING, DRAINAGE, PAVING & CULVERT.

DBE GOAL 8.0% COMPLETION DATE : DEC 31 2003

CULVERT AT RABBIT CREEK AND APPROACHES ON SR-1504.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
0.4	HA	SUPPLEMENTARY CLEARING & GRUBBING
20	M3	UNDERCUT EXCAVATION
500	MTN	CLASS IV SUBGRADE STABILIZATION
20	M3	DRAINAGE DITCH EXCAVATION
195	M	BERM DITCH CONSTRUCTION
500	M3	SELECT GRANULAR MATERIAL
500	M2	FABRIC FOR SOIL STABILIZATION
130	M2	TEMPORARY SHORING
17	MTN	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
9.6	M	375MM SIDE DRAIN PIPE
22.8	M	375MM RC PIPE CULVERTS, CLASS III
28.8	M	400MM BIT COAT CS PIPE CULVERTS, TYPE B 1.63MM THICK
1	EA	400MM BIT COAT CS PIPE ELBOWS, TYPE B 1.63MM THICK
23.2	M	PIPE REMOVAL
707	MTN	AGGREGATE BASE COURSE
100	MTN	INCIDENTAL STONE BASE
1,820	L	PRIME COAT
35	MTN	ASPHALT CONC BASE COURSE, TYPE B25.0B
184	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
14	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
17	M3	SUBDRAIN EXCAVATION
13	M3	SUBDRAIN FINE AGGREGATE
30	M	150MM PERFORATED SUBDRAIN PIPE
3	EA	150MM SUBDRAIN PIPE WYES, TEES, & ELBOWS
1	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
2	M	150MM OUTLET PIPE (SUBDRAINS)
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.24
9	M2	100MM CONCRETE PAVED DITCH
118.11	M	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** (BIC)
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
130	MTN	PLAIN RIP RAP, CLASS I
115	MTN	PLAIN RIP RAP, CLASS A
5	MTN	PLAIN RIP RAP, CLASS B
610	M2	FILTER FABRIC FOR DRAINAGE
18	M2	WORK ZONE SIGNS (STATIONARY)
9	M2	WORK ZONE SIGNS (PORTABLE)
4	M2	WORK ZONE SIGNS (BARRICADE MOUNTED)
55	EA	DRUMS
35	EA	CONES
20	M	BARRICADES (TYPE III)
512	HR	FLAGGER
1	EA	TRUCK MOUNTED IMPACT ATTENUATOR (45 MPH)
60	M	WATER FILLED BARRIER
12	EA	TEMPORARY RAISED PAVEMENT MARKERS
2,240	M	PAINT PAVEMENT MARKING LINES (100MM)
200	M	REMOVAL OF PAVEMENT MARKING LINES (100MM)
175	M	TEMPORARY SILT FENCE
70	MTN	STONE FOR EROSION CONTROL, CLASS A
325	MTN	STONE FOR EROSION CONTROL, CLASS B

100	MTN	SEDIMENT CONTROL STONE
2	HA	TEMPORARY MULCHING
100	KG	SEED FOR TEMPORARY SEEDING
0.75	MTN	FERTILIZER FOR TEMPORARY SEEDING
600	M3	SILT EXCAVATION
300	M2	SYNTHETIC ROVING
500	M2	MATTING FOR EROSION CONTROL
20	M	6.4MM HARDWARE CLOTH
16	M3	STILLING BASINS
2	HA	SEEDING & MULCHING
1	HA	MOWING
25	KG	SEED FOR REPAIR SEEDING
0.25	MTN	FERTILIZER FOR REPAIR SEEDING
75	KG	SEED FOR SUPPLEMENTAL SEEDING
3.25	MTN	FERTILIZER TOPDRESSING
100	M	IMPERVIOUS DIKE
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.2	HA	REFORESTATION
20	M2	GENERIC EROSION CONTROL ITEM LIVE STAKING

CULVERT ITEMS

Lump Sum	LS	GENERIC CULVERT ITEM PRECAST REINFORCED CONCRETE THREE-SIDED CULVERT AT STA 12 +78.00-L-
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STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L030415 009

CONTRACT ID : C200722 4.6140177

DIV OFFICE SYLVA

LENGTH = 3.280 MI

COUNTY : HENDERSON

MILLING, DRAINAGE, RESURFACING & PVT MARKINGS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : AUG 15 2003

VARIOUS SECTIONS ON US-25, US-64, GROVE STREET & MAIN STREET

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
0.53	SMI	SHOULDER RECONSTRUCTION
78,589	SY	MILLING ASPHALT PAVEMENT, **** TO ***** DEPTH (1-1/2" TO 3-1/2")
1,791	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B
6,332	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
496	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
10	TON	PATCHING EXISTING PAVEMENT
21	EA	MASONRY DRAINAGE STRUCTURES
19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E, F, OR G)
2	EA	STEEL FRAME WITH TWO GRATES, STD840.37
2,900	LF	2'-6" CONCRETE CURB & GUTTER
44	EA	WHEELCHAIR RAMPS
846	SY	6" CONCRETE DRIVEWAY
40	EA	ADJUSTMENT OF DROP INLETS
30	EA	ADJUSTMENT OF MANHOLES
19	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
5,157	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
15,447	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
370	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
3,291	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
3,694	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
17	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
107	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
15,104	LF	PAINT PAVEMENT MARKING LINES (4")
535	LF	PAINT PAVEMENT MARKING LINES (24")
9	EA	PAINT PAVEMENT MARKING CHARACTER
107	EA	PAINT PAVEMENT MARKING SYMBOL

**N.C. DEPARTMENT OF TRANSPORTATION
1591 MAIL SERVICE CENTER
RALEIGH, N.C. 27699-1591**

FIRST CLASS MAIL

INVITATION TO BID FOR APRIL 15, 2003 HIGHWAY LETTING