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:

FROM:

R. A. Garris, P. E. Abhum
Contract Office

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/expedi/



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT SECRETARY

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 31st

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

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 TRANSPORTATON 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 BIDDDERS 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.

DIV NO	<u>DIVISION ENGINEER</u>	LOCATION	TOWN	TELEPHONE
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 I	Letting Numb	ber 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.

FAX ORDER FORM

N.C.D.O.T. LETTING - ATTN: R. A. GARRIS, P.E. - CONTRACT OFFICER FAX NUMBER: (919) 250-4127

FAX NUMBER: (919) 250-4127 PHONE NUMBER: (919) 250-4124

INVOICE ADDRESS:	PHYSICAL ADDRESS:
P.O. BOX:	COMPANY NAME:
CITY:	STREET ADDRESS:
ZIP:	CITY:
CONTACT PERSON:	ZIP:
DATE ORDERED:	PHONE:
E-MAIL ADDRESS:	FAX #

*PLAN HOLDERS LIST:

*INDICATE BY YES OR NO FOR ALL PROJECTS YOU ORDER. IF YOU DO NOT INDICATE A YES OR NO, WE WILL CONSIDER THIS AS A YES AND YOUR NAME WILL APPEAR ON THE PLAN HOLDER'S LIST.

STRUCTURE SUBSURFACE		
RDWY. RDWY. STRUCT. STRUCT. CROSS ROADWAY STRUCTURE SMALL LARGE SMALL LARGE SECTIONS SUBSURFACE SUBSURFACE		
CROSS SECTIONS		
STRUCT. LARGE		
STRUCT. SMALL		
RDWY. LARGE		
RDWY. SMALL		
PROPOSAL		
PROJECT NUMBER(S)		
PLAN HOLDERS LIST:YES OR NO		

FAX ORDER FORM

OF **PAGE**

N.C.D.O.T. LETTING - ATTN: R. A. GARRIS, P.E. - CONTRACT OFFICER

FAX NUMBER: (919) 250-4127

PHONE NUMBER: (919) 250-4124

CITY:	
OMPANY NAME:	I AN HOLDERS LIST:

*INDICATE BY YES OR NO FOR ALL PROJECTS YOU ORDER. IF YOU DO NOT INDICATE A YES OR NO, WE WILL CONSIDER THIS AS A YES AND YOUR NAME WILL APPEAR ON THE PLAN HOLDER'S LIST.

STRUCTURE SUBSURFACE				
ROADWAY SUBSURFACE				
CROSS SECTIONS				
STRUCT LARGE				
RDWY. RDWY. STRUCT SMALL LARGE SMALL				
RDWY. LARGE				
RDWY.				
PROPOSAL				
PROJECT NUMBER(S)				
PLAN HOLDERS LIST:YES OR NO				

Page: 1 of 19

L030415 001

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

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 CRITICAL PATH METHOD SCHEDULE	15	M	GENERIC PIPE ITEM 600MM RC PIPE NOT IN SOIL
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM	1,673.5	M	PIPE REMOVAL
		DESIGN & CONSTRUCTION OF OFF SITE DETOUR IMPROVEMENTS	1	EA	PIPE CLEAN-OUT
Lump Sum	LS	CLEARING & GRUBBING HEC-	1,670	M2	150MM SLOPE PROTECTION
•		TARE(S)	Lump Sum	LS	FINE GRADING
0.8	HA	SUPPLEMENTARY CLEARING & GRUB- BING	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 69,700	MTN MTN	STABILIZER AGGREGATE
Lump Sum	LS	REINFORCED BRIDGE APPROACH	54,200	M2	AGGREGATE BASE COURSE ***MM SOIL CEMENT BASE
•		FILL, STATION ************************************	,		(180MM)
7,500	M3	(1+400.000 - EB #1 ONLY) UNDERCUT EXCAVATION	1,630	MTN	PORTLAND CEMENT FOR SOIL CE- MENT BASE
17,000	MTN	CLASS IV SUBGRADE STABILIZA-	400	MTN	AGGREGATE FOR SOIL CEMENT BASE
		TION	92,260	L	ASPHALT CURING SEAL
100,500 53,034	M3 M3	BORROW EXCAVATION	100	MTN	INCIDENTAL STONE BASE
230	M3 M	DRAINAGE DITCH EXCAVATION BERM DITCH CONSTRUCTION	14,300	M2	MILLING ASPHALT PAVEMENT, **MM
128,500	M2	REMOVAL OF EXISTING ASPHALT			DEPTH (100MM)
		PAVEMENT	30,000	M2	INCIDENTAL MILLING
63,000	M2	REMOVAL OF EXISTING CONCRETE PAVEMENT	6,150	MTN	ASPHALT CONC BASE COURSE, TYPE
30	HR	PROOF ROLLING	38,000	MTN	B25.0B ASPHALT CONC BASE COURSE, TYPE
2,840	M3	SELECT GRANULAR MATERIAL	56,000		B25.0C
25,000	M2	FABRIC FOR SOIL STABILIZATION	2,450	MTN	ASPHALT CONC INTERMEDIATE
4,640	M2 M2	TEMPORARY SHORING	33,600	MTN	COURSE, TYPE 119.0B ASPHALT CONC INTERMEDIATE
2,420	NI2	TEMPORARY SHORING - BARRIER SUPPORTED	33,000		COURSE, TYPE 119.0C
2,000	M2	GENERIC GRADING ITEM PRIMARY GEOGRID REINFORCEMENT	4,125	MTN	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0D
1,175	M2	GENERIC GRADING ITEM	12,000	MTN	ASPHALT CONC SURFACE COURSE,
		SECONDARY GEOGRID REINFORCE- MENT	31,750	MTN	TYPE S9.5B ASPHALT CONC SURFACE COURSE,
2,700	MTN	FOUNDATION CONDITIONING MATE-	7		TYPE S12.5C
		RIAL, MINOR STRS	3,350	MTN	ASPHALT CONC SURFACE COURSE, TYPE S12.5D
6	M	300MM RC PIPE CULVERTS, CLASS	5,066	MTN	ASPHALT BINDER FOR PLANT MIX,
3,086.5	M	375MM RC PIPE CULVERTS, CLASS	,		GRADE PG 64-22
1 202 2		III	1,941	MTN	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
1,303.2	М	450MM RC PIPE CULVERTS, CLASS III	185	MTN	ASPHALT BINDER FOR PLANT MIX,
1,249.6	M	600MM RC PIPE CULVERTS, CLASS			GRADE PG 76-22
939.6	M	III 750MM RC PIPE CULVERTS, CLASS	23,100	MTN	PERMEABLE ASPHALT DRAINAGE COURSE, TYPE P-78M
,,,,,		III	250	MTN	ASPHALT PLANT MIX PAVEMENT
824.4	M	900MM RC PIPE CULVERTS, CLASS	116.650	1.60	REPAIR
174	М	III 1050MM RC PIPE CULVERTS, CLASS	116,650	M2	***MM PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS)
		III			(340MM)
302.4	M	1200MM RC PIPE CULVERTS, CLASS	14,750	M2	***MM PORT CEM CONC PAVEMENT, RAMPS (WITH DOWELS)
1	EA	III *** X *** X ***MM RC PIPE TEES			(340MM)
		CLASS III	4,750	M2	***MM PORT CEM CONC PAVEMENT,
32.4	М	(375MM X 375MM X 375MM) ***MM CS PIPE CULVERTS, ****MM			MISCELLANEOUS (WITHOUT DOWELS) (340MM)
32.4	IVI	THICK	Lump Sum	LS	SURFACE TESTING CONCRETE PAVE-
		(1050MM, 2.77MM)	21.750	142	MENT
129.6	M	400MM CS PIPE CULVERTS, 1.63MM THICK	31,750	M2	CONCRETE SHOULDERS ADJACENT TO ***MM PAVEMENT
13.2	M	450MM CS PIPE CULVERTS, 1.63MM			(340MM)
		THICK	Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
14	EA	***MM CS PIPE ELBOWS, ****MM THICK	120	EA	RIGHT OF WAY MARKERS
		(400MM, 1.63MM)	1,782	M3	SUBDRAIN EXCAVATION
298	M	400MM BIT COAT CS PIPE CUL-	891	M3	SUBDRAIN FINE AGGREGATE
16.8	М	VERTS, TYPE B 1.63MM THICK 450MM BIT COAT CS PIPE CUL-	2,152.4 213	M EA	100MM PERFORATED SUBDRAIN PIPE 100MM SUBDRAIN PIPE WYES,
10.0	4-4	VERTS, TYPE B 1.63MM THICK	213	EA	TEES, & ELBOWS
26.4	M	600MM BIT COAT CS PIPE CUL- VERTS TYPE B 1 63MM THICK	14	EA	CONCRETE PAD FOR SUBDRAIN PIPE
37	EA	VERTS, TYPE B 1.63MM THICK 400MM BIT COAT CS PIPE ELBOWS,	28	M	OUTLET 100MM OUTLET PIPE (SUBDRAINS)
3,	~. 1	TYPE B 1.63MM THICK	9,012	M	SHOULDER DRAIN
			,		

	•	•	2	EA	GUARDRAIL ANCHOR UNITS, TYPE ************* (III MOD)
			2	EA	GUARDRAIL ANCHOR UNITS, TYPE
9,282 310	M M	100MM SHOULDER DRAIN PIPE 100MM OUTLET PIPE (SHOULDER	13	EA	AT-1 GUARDRAIL ANCHOR UNITS, TYPE
14	EA	DRAINS) CONCRETE PAD FOR SHOULDER	g	EA	CAT-1 GUARDRAIL ANCHOR UNITS, TYPE
30	MTN	DRAIN PIPE OUTLET BLOTTING SAND	27		III GUARDRAIL ANCHOR UNITS, TYPE
3	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE			350
		STRUCTURE	175.26	М	REMOVE & RESET EXISTING GUARD- RAIL
4.7	M3	ENDWALLS	4,200		REMOVE EXISTING GUARDRAIL
6.9	M3	PIPE COLLARS	6,930.39		TEMPORARY STEEL BM GUARDRAIL
1.23	M3 M3	PIPE PLUGS FLOWABLE FILL	22.86	M	TEMPORARY STEEL BM GUARDRAIL (SHOP CURVED)
264	EA	MASONRY DRAINAGE STRUCTURES	3	EA	GUARDRAIL ANCHOR UNITS, TYPE
68.49	M	MASONRY DRAINAGE STRUCTURES	5	LA	********* TEMPORARY
1	EA	FRAME WITH GRATE, STD 840.****			(B-77)
		(840.20)	15	EA	GUARDRAIL ANCHOR UNITS, TYPE
1	EA	FRAME WITH GRATE, STD 840.22			******* TEMPORARY (CAT-1)
125	EA	FRAME WITH TWO GRATES, STD	8	EA	GUARDRAIL ANCHOR UNITS, TYPE
		840.****	6	LA	**************************************
1	EΑ	(840.20)			(III)
1	EA	FRAME WITH TWO GRATES, STD 840.****	18	EA	GUARDRAIL ANCHOR UNITS, TYPE
		(840.33)	4.200		350 TEMPORARY
21	EA	FRAME WITH TWO GRATES, STD 840.16	4,300	M	CHAIN LINK FENCE, 1200MM FABRIC
62	EA	FRAME WITH TWO GRATES, STD	1,210	EA	METAL LINE POSTS FOR 1200MM CHAIN LINK FENCE
1	EA	840.22 FRAME WITH TWO GRATES, STD	90	EA	METAL TERMINAL POSTS FOR
2	EA	840.24 FRAME WITH TWO GRATES, STD	570	M	1200MM CHAIN LINK FENCE GENERIC FENCING ITEM
		840.29			VINYL COATED CHAIN LINK FENCE, 1219MM
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **			FABRIC W/ 12.7MM MESH (BARRIER MTD)
10	г.	(E)	85	M	GENERIC FENCING ITEM
19	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **			VINYL COATED CHAIN LINK FENCE,
		(F)			1219MM FABRIC W/ 12.7MM MESH (GROUND
22	EA	FRAME WITH GRATE & HOOD, STD			MTD)
		840.03, TYPE **	170	M	GENERIC FENCING ITEM
	- .	(G)			VINYL COATED CHAIN LINK FENCE,
18	EA	FRAME WITH COVER, STD 840.54			1219MM
2	EA EA	CONCRETE APRON FOR DROP INLETS ***MM SLUICE GATE			FABRIC W/ 12.7MM MESH (GUARD- RAIL MTD)
1	EA	(550MM)	554	MTN	PLAIN RIP RAP, CLASS I
1	EA	GENERIC DRAINAGE ITEM	2,868		PLAIN RIP RAP, CLASS B
		HANGING BAFFLE	8,330	M2	FILTER FABRIC FOR DRAINAGE
		(ENERGY DISSIPATOR)	8,583	M2	BRICK NOISE WALL
200	M	*** X ***MM CONCRETE CURB (200MM x 300MM)	8	M3	REINFORCED CONCRETE SIGN FOOT-
300	М	450MM CONCRETE CURB & GUTTER	_		INGS
2,200	M	750MM CONCRETE CURB & GUTTER	3		PLAIN CONCRETE SIGN FOOTINGS
1,200	M	SHOULDER BERM GUTTER	2,145		SUPPORTS, BREAKAWAY STEEL BEAM SUPPORTS, SIMPLE STEEL BEAM
800	M	CONCRETE EXPRESSWAY GUTTER	3,148 583	KG M	SUPPORTS, 4.5KG STEEL BEAM SUPPORTS, 4.5KG STEEL
3,200	M2	100MM CONCRETE SIDEWALK	363	IVI	U-CHANNEL
225	M2	CONCRETE WHEELCHAIR RAMPS	4	EA	SUPPORTS, 3KG STEEL U-CHANNEL
450	M2	150MM CONCRETE DRIVEWAY	4	EA	SIGN ERECTION, TYPE D
400	M2	100MM CONCRETE PAVED DITCH	67	EA	SIGN ERECTION, TYPE E
800	M2	75MM CONCRETE ISLAND COVERS	14	EA	SIGN ERECTION, TYPE F
2,000	M2	125MM MONOLITHIC CONCRETE IS-	17	EA	SIGN ERECTION, TYPE ***
11	EA	LANDS (SURFACE MOUNTED) CONCRETE BARRIER TRANSITION			(GROUND MOUNTED) (A)
11	EA	SECTION	3	EA	SIGN ERECTION, TYPE ***
700	M	VARIABLE HEIGHT CONCRETE BAR-	3	D. 1	(GROUND MOUNTED)
		RIER, TYPE ********			(B)
		(T-2)	4	EA	SIGN ERECTION, MILEMARKERS
1,830	М	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	1	EA	RELOCATE SIGN, TYPE *****
2,670	M	GENERIC PAVING ITEM	10	EA	(A) RELOCATE SIGN, TYPE *****
2	EA	CONCRETE MEDIAN PLANTER ADJUSTMENT OF CATCH BASINS	3	EA	(E) DISPOSAL OF SIGN SYSTEM, OVER-
2	EA	ADJUSTMENT OF DROP INLETS	,	LA	HEAD
5	EA	CONVERT EXISTING CATCH BASIN	22	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
2	EA	TO DROP INLET CONVERT EXISTING DROP INLET TO	85	EA	DISPOSAL OF SIGN SYSTEM, U-
2	EA	JUNCTION BOX CONVERT EXISTING DROP INLET TO	2	EA	CHANNEL DISPOSAL OF SIGN SYSTEM, WOOD
2	L.A.	JUNCTION BOX WITH MANHOLE	1	EA	DISPOSAL OF SIGN, D, E OR F
		COVER	8	M2	TEMPORARY SIGN, TYPE *****
3,566.16	M	STEEL BM GUARDRAIL			(A)
118.11	M	STEEL BM GUARDRAIL, SHOP	117	EA	TEMPORARY RELOCATE SIGN, TYPE
10	EA	CURVED STEEL BM GUARDRAIL TERMINAL			***** (A) GROUND TO GROUND MOUNTED
		SECTIONS	5	EA	TEMPORARY RELOCATE SIGN, TYPE
25	EA	ADDITIONAL GUARDRAIL POSTS			***** (A) OVERHEAD TO GROUND MOUNTED
11	EA	GUARDRAIL ANCHOR UNITS, TYPE	112	EA	(A) OVERHEAD TO GROUND MOUNTED TEMPORARY SIGN COVERS
		(B-77)	Lump Sum	LS	GENERIC SIGNING ITEM
1	EA	GUARDRAIL ANCHOR UNITS, TYPE	Eurip Suit		DYNAMIC MESSAGE SIGN
		******			MAINTENANCE TRAINING
		(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 DYNAMIC MESSAGE SIGN BENCH	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "N"
Lump Sum	LS	TEST UNIT GENERIC SIGNING ITEM	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "O"
Lumm Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM "DMS-1" GENERIC SIGNING ITEM	Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "P"
Lump Sum	LS	DYNAMIC MESSAGE SIGN SYSTEM	300	M2	WORK ZONE SIGNS (STATIONARY)
Lump Sum	LS	"DMS-2" GENERIC SIGNING ITEM DYNAMIC MESSAGE SIGN SYSTEM	165 25	M2 M2	WORK ZONE SIGNS (PORTABLE) WORK ZONE SIGNS (BARRICADE MOUNTED)
Lump Sum	LS	"DMS-3" GENERIC SIGNING ITEM	6	EA EA	FLASHING ARROW PANELS, TYPE C CHANGEABLE MESSAGE SIGNS
Lump Sum	Lo	DYNAMIC MESSAGE SIGN SYSTEM	75	EA	WARNING FLAG SETS
Lump Sum	LS	DESIGN APPROVAL TESTS GENERIC SIGNING ITEM	600	EA	DRUMS
		DYNAMIC MESSAGE SIGN SYSTEM INTEGRATION	100 150	EA M	CONES BARRICADES (TYPE III)
Lump Sum	LS	GENERIC SIGNING ITEM	2,220	HR	FLAGGER
		DYNAMIC MESSAGE SIGN SYSTEM NTCIP ACCEPTANCE TESTS	20 20	EA EA	WARNING LIGHTS (TYPE B) TEMPORARY CRASH CUSHIONS
Lump Sum	LS	GENERIC SIGNING ITEM	56	EA	RESET TEMPORARY CRASH CUSHIONS
		DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FACTORY TESTS	2	EA	TRUCK MOUNTED IMPACT ATTENUA-
Lump Sum	LS	GENERIC SIGNING ITEM	6	EA	TOR (45 MPH) TRUCK MOUNTED IMPACT ATTENUA-
		DYNAMIC MESSAGE SIGN SYSTEM OPERATIONAL FIELD TESTS	7,700	M	TOR (60 MPH) PORTABLE CONCRETE BARRIER
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD	1,400	M	PORTABLE CONCRETE BARRIER PORTABLE CONCRETE BARRIER
		SIGN ASSEMBLY "A"	2,600	м	(ANCHORED)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD	2,600	М	PORTABLE CONCRETE BARRIER (DRAINAGE)
		SIGN ASSEMBLY "B"	33,000	M	RESET PORTABLE CONCRETE BAR- RIER
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD	600	M	RESET PORTABLE CONCRETE BAR-
Lump Sum	LS	SIGN ASSEMBLY "C" GENERIC SIGNING ITEM	400	M	RIER (ANCHORED) WATER FILLED BARRIER
Zamp cam	20	LRS LIGHTING FOR OVERHEAD	400	M	RESET WATER FILLED BARRIER
Lump Sum	LS	SIGN ASSEMBLY "D" GENERIC SIGNING ITEM	300 50	HR EA	POLICE TUBULAR MARKERS (FIXED)
•		LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "DMS-1"	1,400	M	GENERIC TRAFFIC CONTROL ITEM
Lump Sum	LS	GENERIC SIGNING ITEM			OREGAN STANDARD F-SHAPE POR- TABLE CONC BARRIER
		LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "E"	3	EA	GENERIC TRAFFIC CONTROL ITEM SOLAR MOBILE FLASHING SIGN
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD	3,240	EA	TEMPORARY RAISED PAVEMENT
		SIGN ASSEMBLY "I" (NBL)	4,514	М	MARKERS THERMOPLASTIC PAVEMENT MARKING
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD			LINES (100MM, 2.3MM)
Lump Sum	LS	SIGN ASSEMBLY "I" (SBL) GENERIC SIGNING ITEM	4,699	М	THERMOPLASTIC PAVEMENT MARKING LINES (100MM, 3.1MM)
Dump Sum	Lo	LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "J"	4,481	M	THERMOPLASTIC PAVEMENT MARKING LINES (150MM, 2.3MM)
Lump Sum	LS	GENERIC SIGNING ITEM	580	M	THERMOPLASTIC PAVEMENT MARKING
		LRS LIGHTING FOR OVERHEAD SIGN ASSEMBLY "M"	389	M	LINES (150MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD	270	M	LINES (200MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING
		SIGN ASSEMBLY "N"			LINES (200MM, 3.1MM)
Lump Sum	LS	GENERIC SIGNING ITEM LRS LIGHTING FOR OVERHEAD	421	М	THERMOPLASTIC PAVEMENT MARKING LINES (300MM, 2.3MM)
Lump Sum	LS	SIGN ASSEMBLY "O" GENERIC SIGNING ITEM	239	M	THERMOPLASTIC PAVEMENT MARKING LINES (600MM, 3.1MM)
Lump Sum	Lo	LRS LIGHTING FOR OVERHEAD	29	EA	THERMOPLASTIC PAVEMENT MARKING
Lump Sum	LS	SIGN ASSEMBLY "P" GENERIC SIGNING ITEM	123	EA	CHARACTER (3.1MM) THERMOPLASTIC PAVEMENT MARKING
		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-1"	21.240		SYMBOL (2.3MM)
Lump Sum	LS	GENERIC SIGNING ITEM	31,248	M	EPOXY PAVEMENT MARKING LINES (150MM)
		OVERHEAD DYNAMIC MESSAGE SIGN ASSEMBLY "DMS-2"	2,582	M	EPOXY PAVEMENT MARKING LINES (300MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD DYNAMIC MESSAGE SIGN	14	M	EPOXY PAVEMENT MARKING LINES (600MM)
		ASSEMBLY "DMS-3"	64	EA	EPOXY PAVEMENT MARKING CHARAC-
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "A"	67	EA	TER EPOXY PAVEMENT MARKING SYMBOL
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "B"	52,448	M	PAINT PAVEMENT MARKING LINES
Lump Sum	LS	GENERIC SIGNING ITEM	124,190	М	(100MM) PAINT PAVEMENT MARKING LINES
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY "C" GENERIC SIGNING ITEM			(150MM)
•		OVERHEAD SIGN ASSEMBLY "D"	2,072	M	PAINT PAVEMENT MARKING LINES (200MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "E"	17,718	M	PAINT PAVEMENT MARKING LINES (300MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "G"	988	M	PAINT PAVEMENT MARKING LINES
Lump Sum	LS	GENERIC SIGNING ITEM	80	EA	(600MM) PAINT PAVEMENT MARKING CHARAC-
Lump Sum	LS	OVERHEAD SIGN ASSEMBLY "H" GENERIC SIGNING ITEM			TER
-		OVERHEAD SIGN ASSEMBLY "I"	412 19,430	EA M	PAINT PAVEMENT MARKING SYMBOL REMOVAL OF PAVEMENT MARKING
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "J"		М	LINES (100MM)
Lump Sum	LS	GENERIC SIGNING ITEM OVERHEAD SIGN ASSEMBLY "K"	20,631	М	REMOVAL OF PAVEMENT MARKING LINES (150MM)

		r	16	EA	GENERIC LIGHTING ITEM
			2	EA	STD FOUNDATIONS TYPE A GENERIC LIGHTING ITEM
927	м	DEMOVAL OF DAVEMENT MADVING	-	221	STD FOUNDATIONS TYPE B
837	M	REMOVAL OF PAVEMENT MARKING LINES (200MM)	1	EA	GENERIC LIGHTING ITEM
2,022	M	REMOVAL OF PAVEMENT MARKING	1	EA	STD FOUNDATIONS TYPE C GENERIC LIGHTING ITEM
		LINES (300MM)		LA	STD FOUNDATIONS TYPE D
160	М	REMOVAL OF PAVEMENT MARKING LINES (600MM)	6	EA	GENERIC LIGHTING ITEM
57	EA	REMOVAL OF PAVEMENT MARKING	1 100	MTNI	STD FOUNDATIONS TYPE R1
		SYMBOLS & CHARACTERS	1,100	MTN	FOUNDATION CONDITIONING MATE- RIAL, UTILITIES CLASS *******
635	EA	PERMANENT RAISED PAVEMENT MARKERS			(VI)
161	EA	SNOWPLOWABLE RAISED PAVEMENT	1,100	MTN	BEDDING MATERIAL, UTILITIES CLASS *********
		MARKERS			(IV)
18	EA	2.1M U-CHANNEL POSTS	300	MTN	
124	EA	FLEXIBLE DELINEATORS (CRYSTAL)	17.7		WORK
69 15	EA EA	FLEXIBLE DELINEATORS (YELLOW) FLEXIBLE DELINEATORS (CRYSTAL	17.7	M	***MM DI WATER PIPE, CLASS ******** WP
15	271	& RED)			(100MM, CLASS 51, 2.41MPA WP)
20	EA	FLEXIBLE DELINEATORS (YELLOW &	500	M	***MM DI WATER PIPE, CLASS ********** WP
10	EA	RED) OBJECT MARKERS (END OF ROAD)			(75MM, CLASS 50, 2.41MPA WP)
18 6	EA	30.5M HIGH MOUNT STANDARD	299.8	M	150MM DI WATER PIPE, PC
1	EA	PORTABLE DRIVE UNIT	•••		2.41MPA
21	M3	HIGH MOUNT FOUNDATIONS	294	М	200MM DI WATER PIPE, PC 2.41MPA
24	EA	HIGH MOUNT LUMINAIRES *******	201.4	M	300MM DI WATER PIPE, PC
2	EA	(1KW, HPS) ELECTRIC SERVICE POLES ***			2.41MPA
2	LA	*********	19.6	M	***MM DI RESTRAINED JOINT WA- TER PIPE, CLASS ******** WP
		(9.1M, CLASS 4)			(150MM, CLASS 50, 2.41MPA WP)
30	M	ELECTRIC SERVICE LATERAL *************	53.7	M	***MM DI RESTRAINED JOINT WA-
		(3 #1/0, USE)			TER PIPE, CLASS ********* WP (200MM, CLASS 50, 2.41MPA WP)
2	EA	LIGHT CONTROL EQUIPMENT, TYPE	169.6	M	***MM DI RESTRAINED JOINT WA-
		RW ************************************			TER PIPE, CLASS ******** WP
185	M	ELECTRICAL DUCT, TYPE BD, SIZE	120.0		(300MM, CLASS 50, 2.41MPA WP)
		****	120.9	М	***MM DI RESTRAINED JOINT WA- TER PIPE, CLASS ******** WP
25		(TS2)			(500MM, CLASS 50, 2.41MPA WP)
35	М	ELECTRICAL DUCT, TYPE BD, SIZE ****	24,400	KG	DI RESTRAINED JOINT WATER PIPE
		(TS3)	171.2	M	FITTINGS, 1.72MPA MIN WP ***MM COPPER WATER PIPE, TYPE
78	M	ELECTRICAL DUCT, TYPE BD, SIZE ****	171.2	141	K
		(TS6)			(50MM)
175	M	ELECTRICAL DUCT, TYPE JA, SIZE	3	М	***MM COPPER WATER PIPE, TYPE K
		**** (TS2)			(75MM)
25	М	ELECTRICAL DUCT, TYPE JA, SIZE	94.9	M	20MM COPPER WATER PIPE, TYPE K
		***	20.3	M	25MM COPPER WATER PIPE, TYPE K DUCTILE IRON WATER PIPE FIT-
340	М	(TS6) **#8 W/G FEEDER CIRCUIT	1,714	KG	TINGS, 1.72MPA MIN WP
340	141	(2)	1	EA	***MM CORPORATION STOP
65	M	**#6 W/G FEEDER CIRCUIT		F.4	(75MM)
105	м	(2) **#2 W/G FEEDER CIRCUIT	5	EA EA	50MM CORPORATION STOP 150MM GATE VALVE & VALVE BOX,
103	М	(2)		LA	1.38MPA WP
230	M	****** FEEDER CIRCUIT	4	EA	200MM GATE VALVE & VALVE BOX,
1.210		(2, #1)			****MPA WP (1.38 MPA WP)
1,210	М	***#8 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT	2	EA	*** X ***MM TAPPING SADDLE
		(2, TS1.5)			(150MM X 50MM)
775	M	***#6 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT	1	EA	*** X ***MM TAPPING SADDLE (150MM X 75MM)
		(2, TS1.5)	1	EA	*** X ***MM TAPPING SADDLE
460	M	***#4 W/G FEEDER CIRCUIT IN			(200MM X 50MM)
		SIZE *** CONDUIT (2, TS1.5)	2	EA	*** X ***MM TAPPING SADDLE
360	M	***#2 W/G FEEDER CIRCUIT IN	25	EA	(300MM X 50MM) RELOCATE EXISTING WATER METER
		SIZE *** CONDUIT	9	EA	RELOCATE EXISTING FIRE HYDRANT
620		(2, TS1.5)	104	M	***MM DI SEWER PIPE, CLASS ***
620	М	***#1 W/G FEEDER CIRCUIT IN SIZE *** CONDUIT	07		(300MM, CLASS 54)
		(2, TS1.5)	97	M	***MM DI SEWER PIPE, CLASS *** (500MM, CLASS 50)
5	EA	ELECTRICAL JUNCTION BOXES	42	M	***MM DI SEWER PIPE, PC ***MPA
		(BR18)			(400MM, PC 2.41 MPA)
7	EA	ELECTRICAL JUNCTION BOXES	889.4	M	200MM DI SEWER PIPE, PC 2.41MPA
		**************************************	179.2	M	300MM DI SEWER PIPE, PC
10	EA	UNDERPASS LUMINARIES *******			2.41MPA
		(TYPE WM, 150W HPS)	28	EA	****MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH
Lump Sum	LS	UNDERPASS CIRCUITRY AT ******* (STA 4+57 722 VIDEV.)			(1200MM)
Lump Sum	LS	(STA 4+57.722 -Y1REV-) PORTABLE LIGHTING	16.6	M	PRECAST CONC MANHOLE WALL,
40	EA	GENERIC LIGHTING ITEM			****MM DIA, OVER 1.8M HT
		LGT STD LUMINAIRE, TYPE RDW	6.8	M	(1200MM) SEWER MANHOLE OUTSIDE DROP AS-
20	EA	400W HPS GENERIC LIGHTING ITEM			SEMBLY
. 20	ьA	LGT STD, TYPE MTLT, 13.7M, TA	82	M	FILL OR REMOVE ABANDONED ***MM PIPE, *********
	<u>.</u>	4.6M			(1050MM, DI WATER PIPE)
6	EA	GENERIC LIGHTING ITEM RELOCATE LGT STD	580	M	FILL OR REMOVE ABANDONED ***MM
2	EA	GENERIC LIGHTING ITEM			PIPE, ************************************
		REMOVE LGT STD			, , , , , , , , , , , , , , , , , , ,

						rage
٠		•	23-	4 M	GENERIC UTILITY ITEM 150MM DI WATER PIPE, PC 2.41MPA WITH NEOPRENE GASKET	
110	M	FILL OR REMOVE ABANDONED ***MM PIPE, *********	2	7 M	GENERIC UTILITY ITEM 300MM DI RESTRAINED JOINT SEWER PIPE, PC 2.41MPA	
245	M	(300MM, CI WATER PIPE) FILL OR REMOVE ABANDONED ***MM PIPE, ************	33	2 M	GENERIC UTILITY ITEM 400MM DI RESTRAINED JOINT SEWER PIPE, PC 2.41MPA	
48	M	(300MM, VC SEWER PIPE) FILL OR REMOVE ABANDONED ***MM PIPE, ***********	212.3	2 M	GENERIC UTILITY ITEM 600MM DI RJ WATER PIPE, CL 50, 2.41MPA WP W/ NEOPRENE GASKET	
110	M	(375MM, VC SEWER PIPE) FILL OR REMOVE ABANDONED ***MM PIPE, ************	6	4 M	GENERIC UTILITY ITEM PRECAST CONC MANHOLE WALL, 1500MM DIA OVER 1.8 M HT	
101	M	(500MM, CI WATER PIPE) FILL OR REMOVE ABANDONED ***MM PIPE, ***********	2	1 M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 1050MM WATER PIPE, IN SOIL	
200	M	(500MM, CONC SEWER PIPE) FILL OR REMOVE ABANDONED ***MM PIPE, ***********	21	1 M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 1050MM WATER PIPE, NOT IN SOIL	
31	EA	(600MM, CI WATER PIPE) BREAK DOWN, PLUG, & FILL ABAN- DONED UTILITY MANHOLE	110) М	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 200MM SEWER PIPE, IN SOIL	
5	EA EA	BREAK DOWN & REBUILD EXISTING MANHOLE REMOVE EXISTING MANHOLE	111	l 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	3 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	8 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	Э М	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 MAN- HOLE W/ FLAT TOP SLAB, 0-1.8M	28	3 M	GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM SEWER PIPE, IN SOIL	
1	EA	DTH GENERIC UTILITY ITEM 1500MM DIA PC CONC FALSE BOT- TOM GENERI MULIVICIAT TOR SLAP	27		GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM SEWER PIPE, NOT IN SOIL	
2	EA	TOM SEWER MH W/FLAT TOP SLAB, 0-1.8M DTH GENERIC UTILITY ITEM 1500MM DIA PC CONC SEWER MAN-	33		GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM WATER PIPE, IN SOIL	
1	EA	HOLE W/ FLAT TOP SLAB & VENT, 0-1.8M DTH GENERIC UTILITY ITEM	33		GENERIC UTILITY ITEM TRENCHLESS INSTALLATION OF 500MM WATER PIPE, NOT IN SOIL GENERIC UTILITY ITEM	
		1500MM DIA PC CONC SEWER MAN- HOLE W/ FLAT TOP SLAB, 0-1.8M DTH	59		TRENCHLESS INSTALLATION OF 600MM WATER PIPE, IN SOIL GENERIC UTILITY ITEM	
2	EA	GENERIC UTILITY ITEM 300MM GATE VALVE & VALVE MAN- HOLE, 1.38MPA WP	16		TRENCHLESS INSTALLATION OF 600MM WATER PIPE, NOT IN SOIL GENERIC UTILITY ITEM	
2	EA	GENERIC UTILITY ITEM 500MM BUTTERFLY VALVE & 1800MM DIA VALVE MANHOLE, 1.72 MPA WP	6		CLASS A CONC FOR PIERS GENERIC UTILITY ITEM CLASS B CONC FOR ENCASING	
4	EA	GENERIC UTILITY ITEM 50MM DOUBLE CHECK VALVE BACK- FLOW PREVENTION ASSEMBLY	3,700 575		PIPELINES TEMPORARY SILT FENCE STONE FOR EROSION CONTROL.	
2	EA EA	GENERIC UTILITY ITEM 50MM WATER METER GENERIC UTILITY ITEM 600MM DISTEREN VALVE & 1800MM	7,400	MTN	CLASS A	
2	EA	600MM BUTTERFLY VALVE & 1800MM DIA VALVE MANHOLE, 1.72 MPA WP GENERIC UTILITY ITEM 600MM LINE STOP ASSEMBLY WITH	5,400 37.5 1,700	HA	SEDIMENT CONTROL STONE TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING	
2	EA	400MM BYPASS GENERIC UTILITY ITEM BREAKDOWN, PLUG & FILL ABAN-		MTN		
1	EA	DONED VALVE VAULT GENERIC UTILITY ITEM RELOCATE EXT 100MM BACKFLOW	21 34,000	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS SILT EXCAVATION	
1	EA	ASSEMBLY WITH NEW SERVICE BOX GENERIC UTILITY ITEM RELOCATE EXT 100MM WATER METER	3,500 7,900	M2 M2	SYNTHETIC ROVING MATTING FOR EROSION CONTROL	
1	EA	ASSEMBLY WITH NEW METER VAULT GENERIC UTILITY ITEM RELOCATE EXT 40MM WATER METER	310 2,050	М	PERMANENT SOIL REINFORCEMENT MAT 6.4MM HARDWARE CLOTH	
1	EA	ASSEMBLY WITH NEW METER VAULT GENERIC UTILITY ITEM RELOCATE EXT 50MM WATER METER	45		***MM TEMPORARY PIPE (1050MM) ***MM TEMPORARY PIPE	
1	EA	ASSEMBLY GENERIC UTILITY ITEM RELOCATE EXT 75MM WATER METER	350 40		(450MM) STILLING BASINS SEEDING & MULCHING	
6	EA	ASSEMBLY WITH NEW METER VAULT GENERIC UTILITY ITEM RELOCATE SANITARY SEWER CLEAN-	21 450 1.5	KG	MOWING SEED FOR REPAIR SEEDING FERTILIZER FOR REPAIR SEEDING	
18	EA	OUT GENERIC UTILITY ITEM THRUST COLLAR	1,125 67.25	KG MTN	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING	
	M	GENERIC UTILITY ITEM	50 28		IMPERVIOUS DIKE SPECIALIZED HAND MOWING	
50		100MM PVC SEWER PIPE, SCH 40				

		1	112	EA	DELINEATOR MARKER
			2	EA	METAL STRAIN SIGNAL POLE
			13	EA	SIGNAL SUPPORT MAST ARM WITH
Lump Sum	LS	GENERIC EROSION CONTROL ITEM		.	METAL POLE
-		IRRIGATION SYSTEM INSTALLA-	11	EA	DOUBLE MAST ARM WITH METAL POLE
		TION	26	EA	METAL SIGNAL POLE FOUNDATION
210	EA	EUONYMUS ALATA, BURNING BUSH,		EA	SIGNAL PEDESTAL WITH FOUNDA-
750	E.A	(00-600MM, #3 CONT)	11	LA	TION
750	EA	JASMINUM NUDIFILORUM, WINTER JASMINE,	17	EA	MAST ARM WITH METAL POLE DE-
		(500-600MM, #3 CONT)			SIGN
171	EA	LAGERSTROEMIA, CRAPE MYRTLE,	124	EA	SIGN FOR SIGNALS
		LAGERSTROEMIA SIOUX, SIOUX	4	EA	SIGNAL CABINET FOUNDATION
		CRAPE MYRTLE 2.5-3.0M, B&B,	4	EA	CONTROLLER WITH CABINET (TYPE
255	г.	MULTI-STEM			170E, BASE MOUNTED)
255	EA	OSMANTHUS X FORTUNEI, HYBRID OSMANTHUS,	4	EA	CONTROLLER WITH CABINET (TYPE
		OSMANTHUS FORTUNEI, FORTUNE	07	F.	170E, POLE MOUNTED)
		OSMANTHUS 800-900MM, #10 CONT		EA	DETECTOR CHANNEL (TYPE 170)
1,368	EA	GENERIC PLANTING ITEM		EA	SPLICE CABINET
		JUNIPERUS CHINENSIS PROCUMBENS		EA EA	NOTEBOOK COMPUTER METAL POLE FOUNDATION REMOVAL
		JAP GARDEN JUNIPER, 500-600MM, #3 CONT		EA	METAL POLE REMOVAL
414	М3	MULCH FOR PLANTING		EA	GENERIC SIGNAL ITEM
240	KL	WATER FOR PLANTING	10	LA	2070L CONTROLLER
3,300	M2	POSTEMERGENT HERBICIDAL TREAT-	87	EA	GENERIC SIGNAL ITEM
.,		MENT FOR PLANT BEDS			2-CHANNEL RADAR DETECTOR CARD,
3,300	M2	PREEMERGENT HERBICIDAL TREAT-			CALTRANS
		MENT FOR PLANT BEDS	3	EA	GENERIC SIGNAL ITEM
16,965	M2	GENERIC PLANTING ITEM	10		CABINET FOUNDATION
5.500		PLANTER FILTER FABRIC	10	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY
5,780	M2	GENERIC PLANTING ITEM PLANTER INSULATION	3	EA	GENERIC SIGNAL ITEM
2,585	М3	GENERIC PLANTING ITEM	,	Lit	CCTV CABINET
2,363	IVIS	PLANTER SOIL MIX	10	EA	GENERIC SIGNAL ITEM
42	EA	PEDESTRIAN SIGNAL HEAD (***MM,			CCTV METAL POLE
		** SECTION)	1	EA	GENERIC SIGNAL ITEM
		(400MM, 1 SECTION)			DETECTION SYSTEM SERVER
7,830	M	SIGNAL CABLE	7	EA	GENERIC SIGNAL ITEM
162	EA	VEHICLE SIGNAL HEAD (300MM, 3			DURHAM VIDS VIDEO OPTICAL
		SECTION)	2	EA	RECEIVER WITH DATA (VOR-D) GENERIC SIGNAL ITEM
12	EA	VEHICLE SIGNAL HEAD (300MM, 4 SECTION)	2	LA	ETHERNET ROUTER
33	EA	VEHICLE SIGNAL HEAD (300MM, 5	22	EA	GENERIC SIGNAL ITEM
33	LA	SECTION)			FIBER OPTIC DATA TRANSCEIVER
90	EA	BACKPLATE			SELF-HEALING (FOT/SH)
8	EA	MODIFY EXISTING VEHICLE SIGNAL	2	EA	GENERIC SIGNAL ITEM
		HEAD	2	E.A	FIBER OPTIC MEDIA CONVERTER
4,490	M	MESSENGER CABLE (6.35MM)	3	EA	GENERIC SIGNAL ITEM FIBER OPTIC TRANSCEIVER
1,600	M	MESSENGER CABLE (9.52MM)			DEMULTIPLEXER (FOTDEMUX)
30	M	JACK & BORE	3	EA	GENERIC SIGNAL ITEM
16,094	M	TRACER WIRE			FIBER OPTIC TRANSCEIVER
50	M	TRENCHING (PAVED)	_		MULTIPLEXER (FOTMUX)
635	M	TRENCHING (UNPAVED)	2	EA	GENERIC SIGNAL ITEM FURNISH 2070L CONTROLLER
977	M	DIRECTIONAL DRILL POLYETHYLENE CONDUIT, 31.75MM (** CONDUIT)	1	EA	GENERIC SIGNAL ITEM
		(1)	·		FURNISH CCTV CABINET
1,247	M	DIRECTIONAL DRILL POLYETHYLENE	1	EA	GENERIC SIGNAL ITEM
		CONDUIT, 31.75MM (** CONDUIT)			FURNISH CCTV UNIT
		(2)	8	EA	GENERIC SIGNAL ITEM
2,193	M	DIRECTIONAL DRILL OUTER-DUCT			FURNISH FIBER OPTIC TRANSCEIV- ER
		CONDUIT, 125MM (1)	5	EA	GENERIC SIGNAL ITEM
196	M	TRENCH MULTI-DUCT, 31.75MM (**	,	EA	FURNISH FOT/SH
170	,,,,	CONDUIT)	1	EA	GENERIC SIGNAL ITEM
		(1)			FURNISH FOTDEMUX
432	M	TRENCH MULTI-DUCT, 31.75MM (**	1	EΑ	GENERIC SIGNAL ITEM
		CONDUIT)			FURNISH FOTMUX
4,777	M	(2) TRENCH MULTI-DUCT, 31.75MM (**	1 .	EA	GENERIC SIGNAL ITEM
4,777	IVI	CONDUIT)	5	EA	FURNISH RVD CABINET GENERIC SIGNAL ITEM
		(4)	5	EA	FURNISH RVD INTERFACE CARD
7,901	M	MULTI-DUCT, 31.75MM IN OUTER-	3	EA	GENERIC SIGNAL ITEM
		DUCT (** CONDUIT)	-		FURNISH RVD UNIT
		(4)	2	EA	GENERIC SIGNAL ITEM
46	EA	JUNCTION BOX (STANDARD SIZE)			FURNISH VOR-D
203	EA	JUNCTION BOX (OVER-SIZED)	1	EA	GENERIC SIGNAL ITEM
41	EA	WOOD POLE			FURNISH VORDEMUX
114	EA	GUY ASSEMBLY	2	EA	GENERIC SIGNAL ITEM FURNISH VOT-D
7	EA	25MM RISER WITH WEATHERHEAD	1	EA	GENERIC SIGNAL ITEM
20	EA	50MM RISER WITH WEATHERHEAD	1	LA	FURNISH VOTMUX
23	EA	50MM RISER WITH HEAT SHRINK TUBING	2	EA	GENERIC SIGNAL ITEM
2,110	M	INDUCTIVE LOOP SAWCUT			MODIFY EXISTING SPICE ENCLOSUR
3,175	M	LEAD-IN CABLE			E
6	EA	LOOP EMULATOR DETECTION SYSTEM	2	EA	GENERIC SIGNAL ITEM
1	EA	MICROWAVE VEHICLE DETECTOR	• **	F.,	MULTIPLEXING CABINET
5,580	M	TYPE 2 LEAD-IN CABLE	16	EA	GENERIC SIGNAL ITEM POLE MOLINTED FOLIPMENT CARINET
1,355	M	COMMUNICATIONS CABLE (**FIBER)	31	EA	POLE MOUNTED EQUIPMENT CABINET GENERIC SIGNAL ITEM
,		(12)	31 .	L/1	RADAR VEHICLE DETECTION METAL
1,120	M	COMMUNICATIONS CABLE (**FIBER)			POLE & FOUNDATION
	_	(18)	37	EA	GENERIC SIGNAL ITEM
27	EA	AERIAL SPLICE ENCLOSURE			RADAR VEHICLE DETECTOR
39	EA	INTERCONNECT CENTER	2	EA	GENERIC SIGNAL ITEM RELOCATE EXISTING CCTV CAMERA
8	EA	FIBER-OPTIC TRANSCEIVER			ASSEMBLY, TYPE A

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			I C	1.0	CENERIC RETAINING WALL ITEM
	4	,	Lump Sum		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-			STRUCTURE ITEMS
1	EA	CHANNEL) GENERIC SIGNAL ITEM			
1	EA	UNINTERRUPTABLE POWER SUPPLY GENERIC SIGNAL ITEM	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ***********
2	EA	VIDEO DISTRIBUTION AMPLIFIER GENERIC SIGNAL ITEM			(240+97.651 -LREV-)
		VIDEO OPTICAL RECEIVER DEMULTIPLEXER (VORDEMUX)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
18	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL RECEIVER WITH DATA (VOR-D)	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION **********
2	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL TRANSMITTER MULTIPLEXER (VOTMUX)	Lump Sum	LS	(231+53.209 -LREV-) REMOVAL OF EXISTING STRUCTURES AT STATION ************************************
10	EA	GENERIC SIGNAL ITEM VIDEO OPTICAL TRANSMITTER WITH	77.5	M	(240+97.651 -LREV-) ****MM DIA DRILLED PIERS IN
Lump Sum	LS	DATA (VOT-D) GENERIC SIGNAL ITEM CENTRAL FREEWAY CONGESTION	28.3	M	SOIL (1066MM) ****MM DIA DRILLED PIERS IN
Lump Sum	LS	MONITORING CENTRAL SOFTWARE GENERIC SIGNAL ITEM			SOIL (1220MM)
Lump Sum	LS	MODIFY CENTRAL CCTV SOFTWARE GENERIC SIGNAL ITEM	11.5	M	****MM DIA DRILLED PIERS IN SOIL
•		MODIFY DURHAM TOC VIDEO MATRIX SWITCHER	10.5	M	(1372MM) ****MM DIA DRILLED PIERS IN SOIL
Lump Sum	LS	GENERIC SIGNAL ITEM MODIFY TRTMC MATRIX SWITCHER SOFTWARE	55	М	(1524MM) ****MM DIA DRILLED PIERS NOT
Lump Sum	LS	SOFTWARE GENERIC SIGNAL ITEM TRAINING			IN SOIL (1066MM)
Lump Sum	LS	GENERIC SIGNAL ITEM UPDATE REGIONAL GRAPHICAL USER	21.5	M	****MM DIA DRILLED PIERS NOT IN SOIL
19,500	M	INTERFACE SOFTWARE GENERIC SIGNAL ITEM COMMUNICATIONS CABLE (72 FIBER	22.5	М	(1220MM) ****MM DIA DRILLED PIERS NOT IN SOIL
13,100	M) GENERIC SIGNAL ITEM	31	M	(1372MM) ****MM DIA DRILLED PIERS NOT IN SOIL
4,820	M	DETECTOR LEAD-IN CABLE GENERIC SIGNAL ITEM	3	EA	(1524MM) CROSSHOLE SONIC LOGGING
7,901	М	DROP CABLE GENERIC SIGNAL ITEM	1,143.9	M	CSL TUBES
.,		UNDERGROUND MULTI-DUCT CONDUIT 31.75MM (FOUR CONDUITS)	630	M3	UNCLASSIFIED STRUCTURE EXCAVA- TION
			10,225.8 9,459.7	M2 M2	REINFORCED CONCRETE DECK SLAB GROOVING BRIDGE FLOORS
		CULVERT ITEMS	1,228.2 Lump Sum	M3 LS	CLASS A CONCRETE (BRIDGE) BRIDGE APPROACH SLABS, STATION
Luman Cum	LS	REMOVAL OF EXISTING STRUCTURE	Lump Sum	LS	(219+98.088 -LREV-) BRIDGE APPROACH SLABS, STATION
Lump Sum	LS	AT STATION *********			**************************************
Lump Sum	LS	(1+269.700 -US NBD-) REMOVAL OF EXISTING STRUCTURE AT STATION ************************************	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ************************************
Lump Sum	LS	(3+314.436 -LREV-) CULVERT EXCAVATION, STA *****	156,816	KG	(240+97.651 -LREV-) REINFORCING STEEL (BRIDGE)
Lump Sum	LS	(22+395.694 -LREV-) CULVERT EXCAVATION, STA *****	17,368 1,947,300	KG	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
295	MTN	(3+314.436 -LREV-) FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	1,947,300	LS M	APPROX KG STRUCTURAL STEEL HP310X79 STEEL PILES
501.5	М3	CLASS A CONCRETE (CULVERT)	160.114	M	THREE BAR METAL RAIL
55,687	KG	REINFORCING STEEL (CULVERT)	596.004	M	CONCRETE MEDIAN PARRIER
15	M	***MM GALVANIZED STEEL PIPE RAIL	91.766 2,389	M M2	CONCRETE MEDIAN BARRIER 100MM SLOPE PROTECTION
Lump Sum	LS	(38MM) ELECTRICAL CONDUIT SYSTEM, STA	1,181	MTN	PLAIN RIP RAP CLASS II (600MM THICK)
		(3+314.436 -LREV-)	Lump Sum Lump Sum	LS LS	POT BEARINGS ELASTOMERIC BEARINGS
Lump Sum	LS	GENERIC CULVERT ITEM FOUNDATION EXCAVATION	Lump Sum	LS	EVAZOTE JOINT SEALS
			Lump Sum	LS	MODULAR EXPANSION JOINT SEALS
		WALL ITEMS	Lump Sum	LS	GENERIC STRUCTURE ITEM CONSTRUCTION & MAINT OF TEMP WIDENING STR AT STA 231+ 53.2
		······································	28	М	09-LREV GENERIC STRUCTURE ITEM
75	М3	FOUNDATION EXCAVATION (RETAINING WALL)	10,000	DOL	COLUMN EXCAVATION CONTRACT TIME
33.5 3,638	M3 KG	CLASS AA CONCRETE (BRIDGE) REINFORCING STEEL (RETAINING			
Lump Sum	LS	WALL) MSE RETAINING WALL, STA ******			
Lump Sum	LS	(1+225.000 -HILLRPC-) MSE RETAINING WALL, STA ***** (1+333.000 -HILLRPD-)			
Lump Sum	LS	GENERIC RETAINING WALL ITEM			
		RETAINING WALL NO. 1			

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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")
Lumn Su	m LS	MOBILIZATION	3	EA	SINGLE GATES, **" HIGH, **'
Lump Su Lump Su		CONSTRUCTION SURVEYING			WIDE, **' OPENING (48" HIGH, 10' WIDE, 10' OPENI
Lump Su		REINFORCED BRIDGE APPROACH			NG)
Zump Su	20	FILL, STATION ************************************	390	LF	GENERIC FENCING ITEM 54" WOOD FENCE RESET
Lump Su	m LS	REINFORCED BRIDGE APPROACH	25	TON	PLAIN RIP RAP, CLASS B
		FILL, STATION *********	380	SY	FILTER FABRIC FOR DRAINAGE
		(18+81.50)	229	SF	WORK ZONE SIGNS (STATIONARY)
Lump Su		GRADING	491	SF	WORK ZONE SIGNS (PORTABLE)
	1 ACR	SUPPLEMENTARY CLEARING & GRUB- BING	156	SF	WORK ZONE SIGNS (BARRICADE
6	50 CY	UNDERCUT EXCAVATION			MOUNTED)
50			70	EA	DRUMS
		TION	25	EA	CONES PARRICA DES (TYPE HI)
50	00 CY	SELECT GRANULAR MATERIAL	190 3,400	LF HR	BARRICADES (TYPE III) FLAGGER
50	00 SY	FABRIC FOR SOIL STABILIZATION	3,400	EA	WARNING LIGHTS (TYPE B)
50	00 SF	TEMPORARY SHORING - BARRIER	4	EA	TRUCK MOUNTED IMPACT ATTENUA-
5	50 TON	SUPPORTED FOUNDATION CONDITIONING MATE	·	2,,	TOR (45 MPH)
3	50 TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS	264	LF	WATER FILLED BARRIER
8	80 LF	15" SIDE DRAIN PIPE	30	EA	TEMPORARY RAISED PAVEMENT
	16 LF	15" RC PIPE CULVERTS, CLASS			MARKERS
		III	2,702	LF	THERMOPLASTIC PAVEMENT MARKING
29	96 LF	18" RC PIPE CULVERTS, CLASS	2,716	LF	LINES (4", 90 MILS) THERMOPLASTIC PAVEMENT MARKING
		III	2,710	LI	LINES (4", 120 MILS)
6	58 LF	18" CS PIPE CULVERTS, 0.064" THICK	30	LF	THERMOPLASTIC PAVEMENT MARKING
25	50 LF	PIPE REMOVAL			LINES (24", 120 MILS)
1,53		AGGREGATE BASE COURSE	10,836	LF	PAINT PAVEMENT MARKING LINES
10		INCIDENTAL STONE BASE			(4")
20			60	LF	PAINT PAVEMENT MARKING LINES (24")
		B25.0B	100	LF	REMOVAL OF PAVEMENT MARKING
71	10 TON		100		LINES (12")
		COURSE, TYPE 119.0B	30	LF	REMOVAL OF PAVEMENT MARKING
75	50 TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			LINES (24")
9	1 TON		15	EA	SNOWPLOWABLE RAISED PAVEMENT
		GRADE PG 64-22	Lump Sum	LS	MARKERS PORTABLE LIGHTING
2	20 TON	ASPHALT PLANT MIX, PAVEMENT	Lump Sum 80	TON	FOUNDATION CONDITIONING MATE-
		REPAIR		1011	RIAL, UTILITIES CLASS *******
	27 EA	RIGHT OF WAY MARKERS			(vI)
	00 CY	SUBDRAIN EXCAVATION	80	TON	BEDDING MATERIAL, UTILITIES
	70 CY	SUBDRAIN FINE AGGREGATE			CLASS ***********************************
40	00 LF 12 EA	6" PERFORATED SUBDRAIN PIPE 6" SUBDRAIN PIPE WYES, TEES, &	41	LF	6" DI WATER PIPE, PC 350
1	12 DA	ELBOWS	650	LF	12" DI WATER PIPE, PC 350
	1 EA	CONCRETE PAD FOR SUBDRAIN PIPE	165	LF	**" DI RESTRAINED JOINT WATER
		OUTLET			PIPE, CLASS ********
	6 LF	6" OUTLET PIPE (SUBDRAINS)	200		(12", 350)
	4 CY	REINFORCED ENDWALLS	880	LB	DI RESTRAINED JOINT WATER PIPE FITTINGS, 250# MIN WP
	3 EA	MASONRY DRAINAGE STRUCTURES	4	LF	3/4" COPPER WATER PIPE, TYPE K
	1 EA	FRAME WITH TWO GRATES, STD 840.24	980	LB	DUCTILE IRON WATER PIPE FIT-
	3 EA	**" SLUICE GATE			TINGS, 250# MIN WP
		(25")	1	EA	3/4" CORPORATION STOP
	2 EA	GENERIC DRAINAGE ITEM	1	EA	6" GATE VALVE & VALVE BOX,
		STEEL FRAME & GRATE (NARROW			200# WP
			2	EA	
I same Cue	m 10	SLOTS) GENERIC DRAINAGE ITEM	2	EA	12" GATE VALVE & VALVE BOX,
Lump Sur	m LS	GENERIC DRAINAGE ITEM	2	EA	12" GATE VALVE & VALVE BOX, ******WP (200#)
Lump Sur	m LS	•	2	EA EA	****WP
Lump Sur		GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION			*****WP (200#)
·	50 LF	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL	1	EA	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE,
16 337.	50 LF	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP	1 1	EA EA	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, *****" THICK, BY BORING &
16 337. 7	50 LF .5 LF .5 LF	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED	1 1	EA EA	******WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ******* THICK, BY BORING & JACKING
16 337. 7	50 LF 5 LF 5 LF	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS	1 1	EA EA	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, *****" THICK, BY BORING &
16 337. 7	50 LF .5 LF .5 LF	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED	1 1 65	EA EA LF	*****WP (200#) (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25")
16 337. 7	50 LF 5 LF 5 LF	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE	1 1 65 2,520 150	EA EA LF LF TON	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, *****" THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A
16 337. 7	50 LF 5 LF 5 LF 5 EA 2 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III	1 1 65 2,520	EA EA LF	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL,
16 337. 7	50 LF 5 LF 5 LF 5 EA 2 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III GUARDRAIL ANCHOR UNITS, TYPE	2,520 150 475	EA EA LF TON	*****WP (200#) (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL, CLASS B
16 337. 7	50 LF 55 LF 55 LF 55 EA 22 EA 8 EA 6 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III GUARDRAIL ANCHOR UNITS, TYPE 350	1 1 65 2,520 150 475	EA EA LF TON TON	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL, CLASS B SEDIMENT CONTROL STONE
16 337. 7	50 LF 55 LF 55 EA 22 EA 8 EA 6 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III GUARDRAIL ANCHOR UNITS, TYPE 350 CHAIN LINK FENCE, 48" FABRIC	2,520 150 475 135 1.5	EA EA LF TON TON ACR	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT *** STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL, CLASS B SEDIMENT CONTROL STONE TEMPORARY MULCHING
16 337. 7	50 LF 55 LF 55 EA 22 EA 8 EA 6 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III GUARDRAIL ANCHOR UNITS, TYPE 350	1 1 65 2,520 150 475	EA EA LF TON TON	*****WP (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL, CLASS B SEDIMENT CONTROL STONE
16 337. 7 47 4	50 LF 55 LF 55 EA 22 EA 8 EA 6 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III GUARDRAIL ANCHOR UNITS, TYPE 1350 CHAIN LINK FENCE, 48" FABRIC METAL LINE POSTS FOR 48" CHAIN	1 1 65 2,520 150 475 135 1.5 50	EA EA LF TON TON ACR LB	*****WP (200#) (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT *** STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL, CLASS B SEDIMENT CONTROL STONE TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
16 337. 7 47 4	50 LF 55 LF 55 EA 22 EA 88 EA 66 EA 70 LF 13 EA	GENERIC DRAINAGE ITEM HAZARDOUS WASTE RETENTION BASIN SHOULDER BERM GUTTER STEEL BM GUARDRAIL STEEL BM GUARDRAIL, SHOP CURVED ADDITIONAL GUARDRAIL POSTS GUARDRAIL ANCHOR UNITS, TYPE AT-1 GUARDRAIL ANCHOR UNITS, TYPE III GUARDRAIL ANCHOR UNITS, TYPE 350 CHAIN LINK FENCE, 48" FABRIC METAL LINE POSTS FOR 48" CHAIN LINK FENCE	1 1 65 2,520 150 475 135 1.5 50	EA EA LF TON TON ACR LB	*****WP (200#) (200#) RELOCATE EXISTING WATER METER RELOCATE EXISTING FIRE HYDRANT **" STEEL ENCASEMENT PIPE, ****** THICK, BY BORING & JACKING (24", 0.25") TEMPORARY SILT FENCE STONE FOR EROSION CONTROL, CLASS A STONE FOR EROSION CONTROL, CLASS B SEDIMENT CONTROL STONE TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-

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 ************************************
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
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

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FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 003

CONTRACT ID: C200670

2,960 LF

11,408 LF

EPOXY PAVEMENT MARKING LINES

PAINT PAVEMENT MARKING LINES

PAINT PAVEMENT MARKING LINES

11 LF EPOXY PAVEMENT MARKING LINES

(24")

305 LF TEMPORARY SILT FENCE

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	75	TON	STONE FOR EROSION CONTROL, CLASS A
		NONE TO THOSE	165	TON	STONE FOR EROSION CONTROL, CLASS B
Lump Sum	LS	MOBILIZATION	400	TON	SEDIMENT CONTROL STONE
Lump Sum	LS	GRADING	. 1	ACR	TEMPORARY MULCHING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	50	LB	SEED FOR TEMPORARY SEEDING
130	SF	TEMPORARY SHORING	0.25	TON	FERTILIZER FOR TEMPORARY SEED-
23	TON	FOUNDATION CONDITIONING MATE-			ING
		RIAL, MINOR STRS	305	CY	SILT EXCAVATION
88	LF	15" RC PIPE CULVERTS, CLASS	260	SY SY	SYNTHETIC ROVING
		III	260 16	EA	MATTING FOR EROSION CONTROL
36	LF	18" RC PIPE CULVERTS, CLASS	1	ACR	SPECIAL STILLING BASINS SEEDING & MULCHING
44	LF	III 15" CS PIPE CULVERTS, 0.064"	1	ACR	MOWING
77	LI	THICK	50	LB	SEED FOR REPAIR SEEDING
36	LF	18" CS PIPE CULVERTS, 0.064"	0.25	TON	FERTILIZER FOR REPAIR SEEDING
		THICK	50	LB	SEED FOR SUPPLEMENTAL SEEDING
164	LF	PIPE REMOVAL	0.75	TON	FERTILIZER TOPDRESSING
400	TON	AGGREGATE BASE COURSE	1.5	HR	SPECIALIZED HAND MOWING
80	TON	INCIDENTAL STONE BASE	8	EA	RESPONSE FOR EROSION CONTROL
352	GAL	PRIME COAT	0.5	ACR	REFORESTATION
120	TON	ASPHALT CONC BASE COURSE, TYPE			
90	TON	B25.0B ASPHALT CONC INTERMEDIATE			
90	TON	COURSE, TYPE 119.0B			STRUCTURE ITEMS
360	TON	ASPHALT CONC SURFACE COURSE, TYPE 59.5A			STRUCTURE ITEMS
35	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	Lump Sum	LS	CONSTRUCTION, MAINTENANCE, &
10	TON	ASPHALT PLANT MIX, PAVEMENT			REMOVAL OF TEMP STRUCTURE AT STA *********
		REPAIR			(18+09.70-L-)
17	EA	RIGHT OF WAY MARKERS	Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE
. 2	EA	MASONRY DRAINAGE STRUCTURES	•		AT STATION *********
2	EA	FRAME WITH GRATE, STD 840.29			(18+09.70-L-)
20	LF	SHOULDER BERM GUTTER	103.67	LF	**'-**" DIA DRILLED PIERS IN
110	LF	CONCRETE VALLEY GUTTER			SOIL (3'-0")
50	LF	STEEL BM GUARDRAIL	56	LF	**'-**" DIA DRILLED PIERS NOT
5	EA	ADDITIONAL GUARDRAIL POSTS			IN SOIL
1	EA	GUARDRAIL ANCHOR UNITS, TYPE *********			(3'-0")
		(III-SC)	93.41	LF	PERMANENT STEEL CASING FOR
1	EA	GUARDRAIL ANCHOR UNITS, TYPE			**'-**" DIA DRILLED PIER (3'-0")
		AT-1	2	EA	CROSSHOLE SONIC LOGGING
3	EA	GUARDRAIL ANCHOR UNITS, TYPE	718.67	LF	CSL TUBES
	г.	III	Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350	·		TION AT STATION *******
100	LF	TEMPORARY STEEL BM GUARDRAIL			(18+09.70-L-)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	41.8	CY	CLASS A CONCRETE (BRIDGE)
		****** TEMPORARY	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION
		(III)			(18+09.70-L-)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE	14,932	LB	REINFORCING STEEL (BRIDGE)
160	TON	350 TEMPORARY PLAIN RIP RAP, CLASS II	3,344	LB	SPIRAL COLUMN REINFORCING
2		PLAIN RIP RAP, CLASS B			STEEL (BRIDGE)
1,040	SY	FILTER FABRIC FOR DRAINAGE	1,484	SF	**" STEEL SHEET PILES
198	SF	WORK ZONE SIGNS (STATIONARY)	95.5	LF	(12") CONCRETE BARRIER RAIL
96	SF	WORK ZONE SIGNS (PORTABLE)	Lump Sum	LS	ELASTOMERIC BEARINGS
54	SF	WORK ZONE SIGNS (BARRICADE	716.25	LF	3'-0" X 1'-9" PRESTRESSED CONC
·		MOUNTED)	710.23		CORED SLABS
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 ATTENUA-			
43	EA	TOR (45 MPH) TEMPORARY RAISED PAVEMENT MARKERS			
		**** **********************************			

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L030415 004

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

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

MORII IZATION

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING
3	TON	FOUNDATION CONDITIONING MATE- RIAL, 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 119.0B
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 STEEL BM GUARDRAIL 237.5 LF
- STEEL BM GUARDRAIL, SHOP 262.5 LF CURVED
 - ADDITIONAL GUARDRAIL POSTS EA GUARDRAIL ANCHOR UNITS, TYPE EA 3
 - 4 TON PLAIN RIP RAP, CLASS I 40 TON PLAIN RIP RAP, CLASS II
 - TON PLAIN RIP RAP, CLASS B 3
- FILTER FABRIC FOR DRAINAGE 210 SY
- WORK ZONE SIGNS (STATIONARY) 238 SF
- WORK ZONE SIGNS (BARRICADE 94 SF
- MOUNTED)
- BARRICADES (TYPE III) LF 96
- 1,116 LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
- THERMOPLASTIC PAVEMENT MARKING 1,116 LF LINES (4", 120 MILS)
 - SNOWPLOWABLE RAISED PAVEMENT MARKERS
 - FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ******** 11 TON
- BEDDING MATERIAL, UTILITIES 11 TON CLASS ********* (V)
- 6" DI WATER PIPE, PC 350 202.6 LF
- 3/4" COPPER WATER PIPE, TYPE K 107 LF 250 LB DUCTILE IRON WATER PIPE FIT-
- TINGS, 250# MIN WP
- 3/4" CORPORATION STOP 3 EA
- 6" GATE VALVE & VALVE BOX, 2 EA 200# WP
- RELOCATE EXISTING WATER METER EA 3
- RELOCATE EXISTING FIRE HYDRANT 1 EA
- 1 EA GENERIC UTILITY ITEM 6" TRANSITION COUPLING, DI TO
- TEMPORARY SILT FENCE 620 LF
- STONE FOR EROSION CONTROL, 75 TON CLASS A
- STONE FOR EROSION CONTROL, 130 TON
- CLASS B SEDIMENT CONTROL STONE 40 TON
- 0.5 ACR TEMPORARY MULCHING
- SEED FOR TEMPORARY SEEDING LB
- 0.25 TON FERTILIZER FOR TEMPORARY SEED-
- 50 LF TEMPORARY SLOPE DRAINS
- INLET PROTECTION AT TEMPORARY 2 EA
- SLOPE DRAINS 225 CY SILT EXCAVATION
- 190 SYSYNTHETIC ROVING

MATTING FOR EROSION CONTROL 310 SY

20 LF 1/4" HARDWARE CLOTH

50 CY STILLING BASINS

0.5 ACR SEEDING & MULCHING

0.5 MOWING ACR

SEED FOR REPAIR SEEDING LB

0.25 TON FERTILIZER FOR REPAIR SEEDING

SEED FOR SUPPLEMENTAL SEEDING 50 LB

0.5 FERTILIZER TOPDRESSING TON

100 LF IMPERVIOUS DIKE

HR SPECIALIZED HAND MOWING

RESPONSE FOR EROSION CONTROL

CULVERT ITEMS

40 TON PLAIN RIP RAP, CLASS II

REMOVAL OF EXISTING STRUCTURE AT STATION ********* Lump Sum

(14+02.00 -L-)

GENERIC CULVERT ITEM Lump Sum LS

PRECAST REINFORCED CONCRETE THREE-SIDED CULVERT @ STA

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L030415 005

* FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

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
Lump Sum	LS	MOBILIZATION	168	CY	SUBDRAIN FINE AGGREGATE
Lump Sum	LS	CONSTRUCTION SURVEYING	1,000	LF	6" PERFORATED SUBDRAIN PIPE
Lump Sum	LS	CLEARING & GRUBBING ACRE(S)	30	EA	6" SUBDRAIN PIPE WYES, TEES, &
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	2	EA	ELBOWS CONCRETE PAD FOR SUBDRAIN PIPE OUTLET
4	EA	SEALING ABANDONED WELLS	12	LF	6" OUTLET PIPE (SUBDRAINS)
69,200	CY	UNCLASSIFIED EXCAVATION	3.4	CY	ENDWALLS
2,000	CY	UNDERCUT EXCAVATION	1.03	CY	PIPE COLLARS
360	TON	CLASS IV SUBGRADE STABILIZA- TION	0.07	CY	PIPE PLUGS
7,300	CY	BORROW EXCAVATION	59	EA	MASONRY DRAINAGE STRUCTURES
1,760	CY	DRAINAGE DITCH EXCAVATION	24	LF	MASONRY DRAINAGE STRUCTURES
5,800	SY	REMOVAL OF EXISTING ASPHALT	5	EA	FRAME WITH TWO GRATES, STD
,		PAVEMENT			840.16
1,000	CY	SELECT GRANULAR MATERIAL	11	EA	FRAME WITH TWO GRATES, STD 840.22
1,000	SY	FABRIC FOR SOIL STABILIZATION	4	EA	FRAME WITH TWO GRATES, STD
950	SF	TEMPORARY SHORING - BARRIER SUPPORTED			840.24
700	CY	GENERIC GRADING ITEM	1	EA	FRAME WITH TWO GRATES, STD
700	0.1	SELECT GRANULAR MATERIAL FOR	5	Ε.	840.29
		TEMP FABRIC WALL	3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
2,200	SY	GENERIC GRADING ITEM			(E)
9,250	TON	FABRIC FOR TEMP FABRIC WALL GENERIC GRADING ITEM	21	EA	FRAME WITH GRATE & HOOD, STD
9,230	ION	SELECT MATERIAL, CLASS VII			840.03, TYPE **
700	TON	FOUNDATION CONDITIONING MATE-	7	EA	(F)
		RIAL, MINOR STRS	,	LA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **
44	LF	15" SIDE DRAIN PIPE			(G)
452	LF	12" RC PIPE CULVERTS, CLASS	5	EA	STEEL FRAME WITH TWO GRATES,
3,712	LF	III 15" RC PIPE CULVERTS, CLASS	,	F.4	STD840.37
5,712	Li	III	1 8,080	EA LF	CONCRETE APRON FOR CATCH BASIN 2'-6" CONCRETE CURB & GUTTER
624	LF	18" RC PIPE CULVERTS, CLASS	1,050	LF	SHOULDER BERM GUTTER
		III	500	LF	CONCRETE EXPRESSWAY GUTTER
1,036	LF	24" RC PIPE CULVERTS, CLASS III	1,300	SY	4" CONCRETE SIDEWALK
144	LF	30" RC PIPE CULVERTS, CLASS	54	SY	CONCRETE WHEELCHAIR RAMPS
		III	54	SY	6" CONCRETE DRIVEWAY
116	LF	36" RC PIPE CULVERTS, CLASS	75	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
44	LF	III **" CS PIPE CULVERTS, *****"	7	EA	ADJUSTMENT OF MANHOLES
	LI	THICK	21	EA	ADJUSTMENT OF METER BOXES OR
		(12", 0.064")			VALVE BOXES
240	LF	15" CS PIPE CULVERTS, 0.064" THICK	4	EA	GENERIC DRAINAGE ITEM CONVERT DROP INLET TO MANHOLE
2	EA	**" CS PIPE ELBOWS, *****"	2	EA	GENERIC DRAINAGE ITEM
		THICK			CONVERT MANHOLE TO JUNCTION
		(15", 0.064")			BOX
88	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	2,962.5	LF	STEEL BM GUARDRAIL
1,792	LF	PIPE REMOVAL	75	LF	STEEL BM GUARDRAIL, SHOP CURVED
Lump Sum	LS	FINE GRADING	2	EA	STEEL BM GUARDRAIL TERMINAL
1,780	TON	AGGREGATE BASE COURSE			SECTIONS
200	TON	INCIDENTAL STONE BASE	10	EA	ADDITIONAL GUARDRAIL POSTS
		PRIME COAT	6	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
5,320	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B	4	EA	GUARDRAIL ANCHOR UNITS, TYPE
19,650	TON	ASPHALT CONC BASE COURSE, TYPE	·		III
17,050	1011	B25.0C	9	EA	GUARDRAIL ANCHOR UNITS, TYPE
2,020	TON	ASPHALT CONC INTERMEDIATE	2	Е	350
7 210	TON	COURSE, TYPE 119.0B	2	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
7,210	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C	2,045	LF	REMOVE EXISTING GUARDRAIL
810	TON	ASPHALT CONC INTERMEDIATE	525	LF	TEMPORARY STEEL BM GUARDRAIL
		COURSE, TYPE I19.0D	2	EA	GUARDRAIL ANCHOR UNITS, TYPE
1,630	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			****** TEMPORARY (CAT-1)
4,770	TON	ASPHALT CONC SURFACE COURSE,	2	EA	GUARDRAIL ANCHOR UNITS, TYPE
1,,,,,		TYPE S9.5C			****** TEMPORARY
3,650	TON	ASPHALT CONC SURFACE COURSE,	4	EA	(III) GUARDRAIL ANCHOR UNITS, TYPE
1.614	TON	TYPE S12.5D ASPHALT BINDER FOR PLANT MIX,	7	LA	350 TEMPORARY
1,014	1011	GRADE PG 64-22	3,380	LF	CHAIN LINK FENCE, 48" FABRIC
349	TON	ASPHALT BINDER FOR PLANT MIX,	288	EA	METAL LINE POSTS FOR 48" CHAIN
201	TON	GRADE PG 70-22	14	EA	LINK FENCE METAL TERMINAL POSTS FOR 48"
201	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 76-22	14		CHAIN LINK FENCE
			50	LF	CHAIN LINK FENCE RESET

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	•	•
424	TON SY	PLAIN RIP RAP, CLASS B
1,414 623	SF	FILTER FABRIC FOR DRAINAGE WORK ZONE SIGNS (STATIONARY)
576	SF	WORK ZONE SIGNS (PORTABLE)
120	SF	WORK ZONE SIGNS (BARRICADE
1	EA	MOUNTED)
2 2	EA EA	FLASHING ARROW PANELS, TYPE C CHANGEABLE MESSAGE SIGNS
6	EA	WARNING FLAG SETS
160	EA	DRUMS
60	EA LF	CONES PARRICADES (TYPE HI)
650 2,100	HR	BARRICADES (TYPE III) FLAGGER
8	EA	WARNING LIGHTS (TYPE B)
5	EA	TEMPORARY CRASH CUSHIONS
1 2	EA EA	RESET TEMPORARY CRASH CUSHIONS TRUCK MOUNTED IMPACT ATTENUA-
-	LA	TOR (45 MPH)
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (60 MPH)
4,560	LF	PORTABLE CONCRETE BARRIER
420	LF	RESET PORTABLE CONCRETE BAR- RIER
512 1,220	HR EA	POLICE TEMPORARY RAISED PAVEMENT
		MARKERS
31,440	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
19,630	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
2,250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
130	LF EA	THERMOPLASTIC RUMBLE STRIP (4" 240 MILS) THERMOPLASTIC PAVEMENT MARKING
39	EA	CHARACTER (120MIL) THERMOPLASTIC PAVEMENT MARKING
2,510	LF	SYMBOL (90 MILS) COLD APPLIED PLASTIC PAVEMENT
70	LF	MARKING LINES (4") COLD APPLIED PLASTIC PAVEMENT
6	EA	MARKING LINES (8") COLD APPLIED PLASTIC PAVEMENT
157,390	LF	MARKING SYMBOL PAINT PAVEMENT MARKING LINES
6,210	LF	(4") PAINT PAVEMENT MARKING LINES
1,160	LF	(8") PAINT PAVEMENT MARKING LINES
4	EA	(24") PAINT PAVEMENT MARKING CHARAC-
55	EA	TER PAINT PAVEMENT MARKING SYMBOL
8,330	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
80	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
11	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
4	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1,230	LF	CURING COMPOUND REMOVAL, LINES
6	EA	CURING COMPOUND REMOVAL, SYM- BOLS & CHARACTERS
380	EA	PERMANENT RAISED PAVEMENT MARKERS
230	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS
3	EA	7' U-CHANNEL POSTS
59	EA	FLEXIBLE DELINEATORS (CRYSTAL)
29 12	EA EA	FLEXIBLE DELINEATORS (YELLOW) FLEXIBLE DELINEATORS (CRYSTAL
5	EA	& RED) FLEXIBLE DELINEATORS (YELLOW &
3	EA	RED) OBJECT MARKERS (TYPE **)
		(III)
470	LF	TEMPORARY SILT FENCE
225	TON	STONE FOR EROSION CONTROL, CLASS A
1,555	TON	STONE FOR EROSION CONTROL, CLASS B
720	TON	SEDIMENT CONTROL STONE
25.5 900	ACR LB	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
3.75	TON	FERTILIZER FOR TEMPORARY SEED-
175	LF	ING TEMPORARY SLOPE DRAINS

6	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
3,550	CY	SILT EXCAVATION
1,045	SY	SYNTHETIC ROVING
1,322	SY	MATTING FOR EROSION CONTROL
1,100	LF	1/4" HARDWARE CLOTH
25	ACR	SEEDING & MULCHING
15	ACR	MOWING
250	LB	SEED FOR REPAIR SEEDING
0.5	TON	FERTILIZER FOR REPAIR SEEDING
600	LB	SEED FOR SUPPLEMENTAL SEEDING
18.75	TON	FERTILIZER TOPDRESSING
1.5	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
1,010	LF	SIGNAL CABLE
14	EA	VEHICLE SIGNAL HEAD (12", 3
		SECTION)
770	LF	MESSENGER CABLE (3/8")
380	LF	TRENCHING (UNPAVED)
8	EA	JUNCTION BOX (STANDARD SIZE)
960	LF	INDUCTIVE LOOP SAWCUT
1,760	LF	LEAD-IN CABLE
1	EA	MICROWAVE VEHICLE DETECTOR
8	EA	METAL STRAIN SIGNAL POLE
8	EA	METAL SIGNAL POLE FOUNDATION
2	EA	SIGNAL CABINET FOUNDATION
2	EA	CABINET BASE ADAPTER
2	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
10	EA	DETECTOR CHANNEL (TYPE 2070L)
230	LF	GENERIC SIGNAL ITEM TYPE 2 LEAD-IN CABLE

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ************************************
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ************************************
2,800	CY	UNCLASSIFIED STRUCTURE EXCAVA- TION
25,242	SF	REINFORCED CONCRETE DECK SLAB
20,243	SF	GROOVING BRIDGE FLOORS
354	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION **************
		(32+86.58-L-)
64,638	LB	REINFORCING STEEL (BRIDGE)
3,130	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
1,141,300	LS	APPROX LBS STRUCTURAL STEEL
4,140	LF	PP ** X **** STEEL PILES (12 X 0.50)
572.67	LF	THREE BAR METAL RAIL
1,130	SY	4" SLOPE PROTECTION
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
1	EA	GENERIC STRUCTURE ITEM DYNAMIC LOAD TEST

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FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L030415 006

CONTRACT ID: C200505

DIV OFFICE ASHEVILLE

LENGTH = 3.034 KM

COUNTY : **BUNCOMBE**

WIDENING, GRADING, DRAINAGE, PAVING & CULVERTS.

8.1844402

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	М3	SUBDRAIN EXCAVATION
Lump Sum	LS	CLEARING & GRUBBING HEC-	124.2	M3	SUBDRAIN FINE AGGREGATE
		TARE(S)			
0.4	HA	SUPPLEMENTARY CLEARING & GRUB-	300	M	150MM PERFORATED SUBDRAIN PIPE
		BING	30	EA	150MM SUBDRAIN PIPE WYES,
43,000	M3	UNCLASSIFIED EXCAVATION	_		TEES, & ELBOWS
1,900	M3	UNDERCUT EXCAVATION	2	EA	CONCRETE PAD FOR SUBDRAIN PIPE
8,400	M3	BORROW EXCAVATION			OUTLET
550	M3	DRAINAGE DITCH EXCAVATION	4	M	150MM OUTLET PIPE (SUBDRAINS)
421	M	BERM DITCH CONSTRUCTION	10	EA	TEMPORARY STEEL PLATE COVERS
9,300	M2	REMOVAL OF EXISTING ASPHALT			FOR MASONRY DRAINAGE
9,300	IVIZ	PAVEMENT			STRUCTURE
1,450	M2	REMOVAL OF EXISTING CONCRETE	0.4	M3	PIPE COLLARS
1,450	1412	PAVEMENT	0.4	M3	PIPE PLUGS
10	HR	PROOF ROLLING	119	EA	MASONRY DRAINAGE STRUCTURES
1,400	M3	SELECT GRANULAR MATERIAL	5.2	M3	MASONRY DRAINAGE STRUCTURES
1,400	M2	FABRIC FOR SOIL STABILIZATION	40.05	M	MASONRY DRAINAGE STRUCTURES
			. 11	EA	FRAME WITH TWO GRATES, STD
92	M2	TEMPORARY SHORING			840.16
54	M2	TEMPORARY SHORING - BARRIER SUPPORTED	8	EA	FRAME WITH TWO GRATES, STD
1.010) (T) I				840.24
1,010	MTN	FOUNDATION CONDITIONING MATE-	1	EA	FRAME WITH TWO GRATES, STD
0.6		RIAL, MINOR STRS			840.29
9.6	M	****MM SIDE DRAIN PIPE	5	EA	FRAME WITH GRATE & HOOD, STD
		(300MM)			840.03, TYPE **
68.4	M	375MM SIDE DRAIN PIPE		_	(E)
6	M	450MM SIDE DRAIN PIPE	41	EA	FRAME WITH GRATE & HOOD, STD
18	M	300MM RC PIPE CULVERTS, CLASS			840.03, TYPE **
		III			(F)
1,156.8	M	375MM RC PIPE CULVERTS, CLASS	52	EA	FRAME WITH GRATE & HOOD, STD
		III			840.03, TYPE ** (G)
867.6	M	450MM RC PIPE CULVERTS, CLASS	,	T. A	
		III	1	EA	FRAME WITH COVER, STD 840.54
688.8	M	600MM RC PIPE CULVERTS, CLASS	1	EA	GENERIC DRAINAGE ITEM
		III			BICYCLE SAFE STEEL GRATE & FRAME
117.6	M	750MM RC PIPE CULVERTS, CLASS	225		
		Ш	225	М	*** X ***MM CONCRETE CURB
25.2	M	900MM RC PIPE CULVERTS, CLASS	475		(200MM X 300MM)
		III	475	М	450MM CONCRETE CURB & GUTTER
86.4	M	1050MM RC PIPE CULVERTS, CLASS	5,950	M	750MM CONCRETE CURB & GUTTER
		Ш	360	M2	CONCRETE WHEELCHAIR RAMPS
33.6	M	1200MM RC PIPE CULVERTS, CLASS	920	M2	150MM CONCRETE DRIVEWAY
	_	III	14	M2	100MM CONCRETE PAVED DITCH
1	EA	*** X *** X ***MM RC PIPE TEES	870.25	M2	125MM MONOLITHIC CONCRETE IS-
		CLASS III			LANDS (KEYED IN)
0.4		(375MM X 375MM X 375MM)	1	EA	ADJUSTMENT OF CATCH BASINS
8.4	M	***MM BIT COAT CS PIPE CUL- VERTS, TYPE B ****MM THICK	895.35	M	STEEL BM GUARDRAIL
		(300MM, 1.63MM)	60.96	M	STEEL BM GUARDRAIL, SHOP
52.8	M	400MM BIT COAT CS PIPE CUL-			CURVED
52.0	141	VERTS, TYPE B 1.63MM THICK	10	EA	ADDITIONAL GUARDRAIL POSTS
19.2	M	450MM BIT COAT CS PIPE CUL-	2	EA	GUARDRAIL ANCHOR UNITS, TYPE
17.2		VERTS, TYPE B 1.63MM THICK			AT-1
15.6	M	600MM BIT COAT CS PIPE CUL-	8	EA	GUARDRAIL ANCHOR UNITS, TYPE
		VERTS, TYPE B 1.63MM THICK			CAT-1
2	EA	300MM BIT COAT CS PIPE ELBOWS,	6	EA	GUARDRAIL ANCHOR UNITS, TYPE
_		TYPE B 1.63MM THICK			350
8	EA	400MM BIT COAT CS PIPE ELBOWS,	50	M	REMOVE EXISTING GUARDRAIL
		TYPE B 1.63MM THICK	63	MTN	PLAIN RIP RAP, CLASS I
4	EA	450MM BIT COAT CS PIPE ELBOWS.	557	MTN	PLAIN RIP RAP, CLASS B
		TYPE B 1.63MM THICK	2,381	M2	FILTER FABRIC FOR DRAINAGE
2	EA	600MM BIT COAT CS PIPE ELBOWS,	1	EA	PREFORMED SCOUR HOLES WITH
		TYPE B 1.63MM THICK	•	2	LEVEL SPREADER APRON
659.2	M	PIPE REMOVAL	322	M	SUPPORTS, 4.5KG STEEL
5	EA	PIPE CLEAN-OUT			U-CHANNEL
Lump Sum	LS	FINE GRADING	14	EA	SIGN ERECTION, TYPE D
			38	EA	SIGN ERECTION, TYPE E
1,000	KG	SEALING EXISTING PAVEMENT CRACKS	5	EA	
26 300	MTN	AGGREGATE BASE COURSE			SIGN ERECTION, TYPE F
28,300			1	EA	RELOCATE SIGN, TYPE *****
1,000		INCIDENTAL STONE BASE	-	F.4	(D)
8,500	L	PRIME COAT	3	EA	RELOCATE SIGN, TYPE *****
4,810	MTN	ASPHALT CONC BASE COURSE, TYPE		EA	(E)
) (m	B25.0B	4	EA	DISPOSAL OF SUPPORT, STEEL BEAM
15,400	MTN		56	EA	DISPOSAL OF SIGN SYSTEM, U-
11.000	MTNI	COURSE, TYPE I19.0B	36	LA.	CHANNEL
11,900	MTN	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2	EA	DISPOSAL OF SIGN SYSTEM, WOOD
		111100/.00	2	L.13	2.5. Some of Sign Signer, Wood

		¥	· :	2 EA	*** X ***MM TAPPING SADDLE
			4:	EA	(200MM X 50MM) *** X ***MM TAPPING SADDLE
29	M	GENERIC SIGNING ITEM	:	2 EA	(600MM X 18.75MM) *** X ***MM TAPPING SADDLE
		4.5KG CORROSION RESISTANT STEEL U-CHANNEL		5 EA	(600MM X 25MM) *** X ***MM TAPPING SADDLE
125 67	M2 M2	WORK ZONE SIGNS (STATIONARY) WORK ZONE SIGNS (PORTABLE)			(600MM X 37.5MM)
18	M2	WORK ZONE SIGNS (BARRICADE	•	‡ EA	*** X ***MM TAPPING SADDLE (600MM X 50MM)
2	EA	MOUNTED) FLASHING ARROW PANELS, TYPE C			RELOCATE EXISTING WATER METER
4	EA	WARNING FLAG SETS	1:	5 M	***MM PVC FORCE MAIN SEWER PIPE, *********
500 50	EA EA	DRUMS CONES	388	з м	(75MM, SDR 21) ***MM DI SEWER PIPE, PC ***MPA
92	M	BARRICADES (TYPE II)			(100MM, PC 2.41MPA)
56 5,000	M HR	BARRICADES (TYPE III) FLAGGER	469	Э М	200MM DI SEWER PIPE, PC 2.41MPA
4	EA	WARNING LIGHTS (TYPE B)	133	M M	300MM DI SEWER PIPE, PC 2.41MPA
2	EA	TRUCK MOUNTED IMPACT ATTENUA- TOR (45 MPH)	130	M	***MM DI FORCE MAIN SEWER PIPE
120 60	M M	WATER FILLED BARRIER			PC ****MPA (150MM, PC 2.41MPA)
200	HR	RESET WATER FILLED BARRIER POLICE	1,856	KG	DUCTILE IRON SEWER PIPE FIT- TINGS, 1.72MPA MIN WP
1,344	EA	TEMPORARY RAISED PAVEMENT MARKERS	35		SANITARY SEWER CLEAN-OUT
876	M	THERMOPLASTIC PAVEMENT MARKING	8	EA	****MM DIA PRECAST CONC SEWER MANHOLE 0-1.8M DEPTH
9,405	M	LINES (100MM, 2.3MM) THERMOPLASTIC PAVEMENT MARKING	19	М	(1200MM) PRECAST CONC MANHOLE WALL,
		LINES (100MM, 3.1MM)	1>	IVI	****MM DIA, OVER 1.8M HT
91	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 2.3MM)	2	EA	(1200MM) BREAK DOWN & REBUILD EXISTING
72	M	THERMOPLASTIC PAVEMENT MARKING LINES (200MM, 3.1MM)	2	EA	MANHOLE
238	M	THERMOPLASTIC PAVEMENT MARKING	35		REMOVE EXISTING MANHOLE GENERIC UTILITY ITEM
8	EA	LINES (600MM, 3.1MM) THERMOPLASTIC PAVEMENT MARKING	49	EA	100MM TRANSITION COUPLING GENERIC UTILITY ITEM
107	EA	CHARACTER (3.1MM) THERMOPLASTIC PAVEMENT MARKING			15.63MM WATER METER ASSEMBLY
		SYMBOL (2.3MM)	30	EA	GENERIC UTILITY ITEM 150MM GATE VALVE & VALVE BOX
46,820	М	PAINT PAVEMENT MARKING LINES (100MM)	12	EA	GENERIC UTILITY ITEM 150MM TRANSITION COUPLING
676	M	PAINT PAVEMENT MARKING LINES (200MM)	22	EA	GENERIC UTILITY ITEM
622	M	PAINT PAVEMENT MARKING LINES	13	EA	200MM FIRE HYDRANT, 1.38MPA WP GENERIC UTILITY ITEM
16	EA	(600MM) PAINT PAVEMENT MARKING CHARAC-	4	EA	200MM GATE VALVE & VALVE BOX
		TER	4	EA	GENERIC UTILITY ITEM 200MM TRANSITION COUPLING
230 2,200	EA M	PAINT PAVEMENT MARKING SYMBOL REMOVAL OF PAVEMENT MARKING	5	EA	GENERIC UTILITY ITEM 25MM WATER METER ASSEMBLY
200	М	LINES (100MM) REMOVAL OF PAVEMENT MARKING	1	EA	GENERIC UTILITY ITEM
		LINES (200MM)	3	EA	37.5MM WATER METER ASSEMBLY GENERIC UTILITY ITEM
47	M	REMOVAL OF PAVEMENT MARKING LINES (600MM)	3	EA	50MM BALL VALVE, 2.07MPA GENERIC UTILITY ITEM
993	EA	SNOWPLOWABLE RAISED PAVEMENT MARKERS	-		50MM WATER METER ASSEMBLY
733	MTN	FOUNDATION CONDITIONING MATE-	7	EA	GENERIC UTILITY ITEM 600MM BUTTERFLY VALVE ASSEMBLY
		RIAL, UTILITIES CLASS ******* (VI)	2	EA	GENERIC UTILITY ITEM AIR RELEASE VALVE ASSEMBLY
733	MTN	BEDDING MATERIAL, UTILITIES CLASS ***********************************	4,984	KG	GENERIC UTILITY ITEM
		(VI)			DI RESTRAINED JOINT WATER PIPE FITTINGS
380	MTN	PAVEMENT REPAIR FOR UTILITY WORK	2,310 460	M MTN	TEMPORARY SILT FENCE STONE FOR EROSION CONTROL.
50	M3	CLASS B CONCRETE FOR ENCASING UTILITY LINES			CLASS A
2,108	M	***MM DI WATER PIPE, PC ***MPA	1,910	MTN	STONE FOR EROSION CONTROL, CLASS B
225	M	(600MM, PC 2.41MPA) 150MM DI WATER PIPE, PC	1,345		SEDIMENT CONTROL STONE
622	м	2.41MPA	2.5 100	HA KG	TEMPORARY MULCHING SEED FOR TEMPORARY SEEDING
633	М	200MM DI WATER PIPE, PC 2.41MPA	0.75	MTN	FERTILIZER FOR TEMPORARY SEED-ING
647	M	***MM DI RESTRAINED JOINT WA- TER PIPE, CLASS ******** WP	140	M	TEMPORARY SLOPE DRAINS
550	M	(600MM,PC350,2.41MPA)	10	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
550	M	***MM COPPER WATER PIPE, TYPE K	3,840	М3	SILT EXCAVATION
25	M	(18.75MM) ***MM COPPER WATER PIPE, TYPE	1,800 900	M2 M2	SYNTHETIC ROVING MATTING FOR EROSION CONTROL
		K (37.5MM)	20	M2	PERMANENT SOIL REINFORCEMENT
23	M	***MM COPPER WATER PIPE, TYPE	780	М	MAT 6.4MM HARDWARE CLOTH
		(50MM)	30	M	***MM TEMPORARY PIPE
80 5.700	M	25MM COPPER WATER PIPE, TYPE K	170	M3	(450MM) STILLING BASINS
5,709	KG	DUCTILE IRON WATER PIPE FIT- TINGS, 1.72MPA MIN WP	2.5	HA	SEEDING & MULCHING
49	EA	***MM CORPORATION STOP (18.75MM)	1.5	HA KG	MOWING SEED FOR REPAIR SEEDING
1	EA	***MM CORPORATION STOP	0.25	MTN	FERTILIZER FOR REPAIR SEEDING
4	EA	(37.5MM) 25MM CORPORATION STOP	75 4	KG MTN	SEED FOR SUPPLEMENTAL SEEDING FERTILIZER TOPDRESSING
3	EA	50MM CORPORATION STOP	60	M	IMPERVIOUS DIKE
1	EA	*** X ***MM TAPPING SADDLE (150MM X 50MM)	6 16	HR EA	SPECIALIZED HAND MOWING RESPONSE FOR EROSION CONTROL
		•	10	1	STILL

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
701	141	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 FOUNDATION
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 ************************************
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (13+06.030-Y1-)
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (22+60.250-L-)
149	MTN	FOUNDATION CONDITIONING MATERIAL, 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

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* 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
148,427	SY	******* BEGIN SCHEDULE AA ****** ******* (2 ALTERNATES) ****** MILLING ASPHALT PAVEMENT, ***"
148,427	SY	****** (2 ALTERNATES) ******
148,427 20,858	SY	******* (2 ALTERNATES) ******* MILLING ASPHALT PAVEMENT, ***" DEPTH
,		******* (2 ALTERNATES) ******* MILLING ASPHALT PAVEMENT, ***" DEPTH (2-1/2") ASPHALT CONC SURFACE COURSE,
20,858	TON	******* (2 ALTERNATES) ******* MILLING ASPHALT PAVEMENT, ***" DEPTH (2-1/2") ASPHALT CONC SURFACE COURSE, TYPE \$9.5B ASPHALT BINDER FOR PLANT MIX,
20,858	TON	******* (2 ALTERNATES) ******* MILLING ASPHALT PAVEMENT, ***" DEPTH (2-1/2") ASPHALT CONC SURFACE COURSE, TYPE S9.5B ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
20,858	TON	******* (2 ALTERNATES) ******* MILLING ASPHALT PAVEMENT, ***" DEPTH (2-1/2") ASPHALT CONC SURFACE COURSE, TYPE \$9.5B ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 *** OR *** GENERIC PAVING ITEM
20,858 1,356 201	TON TON	******* (2 ALTERNATES) ******* MILLING ASPHALT PAVEMENT, ***" DEPTH (2-1/2") ASPHALT CONC SURFACE COURSE, TYPE S9.5B ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22 *** OR *** GENERIC PAVING ITEM ASPHALT BINDER FOR ADMIXTURE GENERIC PAVING ITEM

*** END SCHEDULE AA ***

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L030415 008

" FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

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.

ROA	DWAY	ITE	MS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GRADING
0.4	HA	SUPPLEMENTARY CLEARING & GRUB- BING
20	M3	UNDERCUT EXCAVATION
500	MTN	CLASS IV SUBGRADE STABILIZA- TION
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 MATE- RIAL, 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 CUL- VERTS, 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
- PRIME COAT 1,820 L
- 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
- SUBDRAIN EXCAVATION 17 M3
- SUBDRAIN FINE AGGREGATE 13 M3
- 150MM PERFORATED SUBDRAIN PIPE 30 M 3
 - EA 150MM SUBDRAIN PIPE WYES, TEES. & ELBOWS
- CONCRETE PAD FOR SUBDRAIN PIPE 1 EA OUTLET
- 150MM OUTLET PIPE (SUBDRAINS) 2 M
- MASONRY DRAINAGE STRUCTURES 2 EA
- FRAME WITH TWO GRATES, STD 2 EA
- 100MM CONCRETE PAVED DITCH M2
- STEEL BM GUARDRAIL 118.11 M
 - ADDITIONAL GUARDRAIL POSTS 5 EA
 - 1 EA GUARDRAIL ANCHOR UNITS, TYPE
 - (BIC)
 - GUARDRAIL ANCHOR UNITS, TYPE 3 EA 350
 - 130 MTN PLAIN RIP RAP, CLASS I
 - 115 MTN PLAIN RIP RAP, CLASS A
 - 5 MTN PLAIN RIP RAP, CLASS B
 - FILTER FABRIC FOR DRAINAGE 610 M2
 - WORK ZONE SIGNS (STATIONARY) 18 M2
 - WORK ZONE SIGNS (PORTABLE) 9 M2
 - WORK ZONE SIGNS (BARRICADE MOUNTED) 4 M2
 - 55 DRUMS EA
 - CONES 35 EA
 - BARRICADES (TYPE III) 20 M
 - 512 HR FLAGGER
 - EΑ TRUCK MOUNTED IMPACT ATTENUA-1
 - TOR (45 MPH) 60 WATER FILLED BARRIER
 - TEMPORARY RAISED PAVEMENT 12
 - MARKERS
- 2,240 PAINT PAVEMENT MARKING LINES (100MM)
 - REMOVAL OF PAVEMENT MARKING 200 M
 - LINES (100MM) TEMPORARY SILT FENCE 175 M
 - STONE FOR EROSION CONTROL, 70 MTN
 - CLASS A
 - 325 MTN STONE FOR EROSION CONTROL,

CLASS B

100 MTN SEDIMENT CONTROL STONE

TEMPORARY MULCHING HA

100 KG SEED FOR TEMPORARY SEEDING FERTILIZER FOR TEMPORARY SEED-0.75 MTN

SILT EXCAVATION

300 M2 SYNTHETIC ROVING MATTING FOR EROSION CONTROL 500 M2

6.4MM HARDWARE CLOTH 20 M

16 M3 STILLING BASINS

2 HA SEEDING & MULCHING

HA MOWING

25 KG SEED FOR REPAIR SEEDING

MTN FERTILIZER FOR REPAIR SEEDING 0.25

75 SEED FOR SUPPLEMENTAL SEEDING KG

3.25 MTN FERTILIZER TOPDRESSING

100 М IMPERVIOUS DIKE

1.5 HR SPECIALIZED HAND MOWING

8 EA RESPONSE FOR EROSION CONTROL

0.2 REFORESTATION

20 M2 GENERIC EROSION CONTROL ITEM

LIVE STAKING

CULVERT ITEMS

GENERIC CULVERT ITEM Lump Sum LS

PRECAST REINFORCED CONCRETE THREE-SIDED CULVERT AT STA 12

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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	MOBILIZATION
10	TON	FOUNDATION CONDITIONING MATE-
0.53	SMI	RIAL, MINOR STRS SHOULDER RECONSTRUCTION
78,589	SMI	MILLING ASPHALT PAVEMENT, ***"
18,389	31	TO ****** DEPTH
1,791	TON	(1-1/2" TO 3-1/2") ASPHALT CONC INTERMEDIATE
1,791	ION	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