




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

March 22, 2005

MEMORANDUM TO: Prospective Bidders

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

SUBJECT: Erosion and Sediment Control/ Stormwater Certification Training

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

Three (3) levels of certification are planned:

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

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

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

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

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

Prospective Bidders

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

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

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

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

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

TMS



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

January 18, 2005

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

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

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

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

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

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

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

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

ELECTRONIC BIDS FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE PROJECT SERVICES LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM ON JULY 19, 2005**. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2:00 PM.

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

1. AN ORIGINAL PROPERLY EXECUTED NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION SHALL BE ON FILE IN THE CONTRACT OFFICE FROM EACH PROSPECTIVE BIDDER PRIOR TO SUBMITTING AN ELECTRONIC BID. FORMS ARE AVAILABLE AT
<http://www.doh.dot.state.nc.us/construction/ps/contracts/letting.htm>

2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.

3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE
<http://www.doh.dot.state.nc.us/construction/ps/contracts/letting.htm>

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

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

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

PREQUALIFYING TO BID: ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE MANAGER OF CONSTRUCTION, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1543 MAIL SERVICE CENTER, RALEIGH, N. C., 27699-1543. ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE MANAGER OF CONSTRUCTION AT LEAST TWO WEEKS PRIOR TO THE DATE OF OPENING BIDS.

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

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

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS JUNE 21, 2005.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

IN ORDER TO FACILITATE AND ENCOURAGE THE INVOLVEMENT OF MINORITY BUSINESS ENTERPRISES IN THE HIGHWAY CONSTRUCTION PROCESS, IT IS THE POLICY OF THE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, THAT A SET OF PLANS AND PROPOSAL FOR EACH PROJECT TO BE LET WILL BE MAINTAINED FOR REVIEW BY ANY CONTRACTOR INTERESTED IN BIDDING UPON OR QUOTING WORK IN AN ADVERTISED PROJECT.

THE PROPOSALS AND PLANS WILL BE AVAILABLE FOR REVIEW BEGINNING TWO WEEKS PRIOR TO THE DATE OF BID OPENING IN THE DIVISION OFFICE WHICH WILL ADMINISTER THE CONTRACT. THE DEPARTMENT WILL, UPON REQUEST, MAKE AVAILABLE FROM ITS STAFF A PERSON TO EXPLAIN THE PROPOSED PROJECT AND TO ANSWER GENERAL QUESTIONS RELATING TO THE PROJECT. THE PLANS AND PROPOSALS CAN BE REVIEWED ANY TIME MONDAY THRU FRIDAY, EXCLUDING HOLIDAYS, BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M. IN THE DIVISION OFFICE. IN ORDER TO HAVE A MEMBER OF THE STAFF EXPLAIN THE PROJECT AND/OR ANSWER GENERAL QUESTIONS PERTAINING TO THE PROJECT, PRIOR APPOINTMENTS MUST BE MADE BY CALLING THE APPROPRIATE DIVISION OFFICE.

FOLLOWING ARE THE LOCATIONS AND TELEPHONE NUMBERS OF THE OFFICES IN WHICH THE PLANS AND PROPOSALS WILL BE MADE AVAILABLE, REFERENCE SHOULD BE MADE TO THE SHEETS CONTAINING THE INDIVIDUAL PROJECT QUANTITIES TO DETERMINE WHICH DIVISION OFFICE WILL ADMINISTER THE CONTRACT.

<u>DIV NO.</u>	<u>DIVISION ENGINEER</u>	<u>LOCATION</u>	<u>TOWN</u>	<u>TELEPHONE</u>
00001	Anthony W Roper, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-7977
00002	Cornelius E Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 830-3490
00003	H. Allen Pope, PE	124 DIVISION DRIVE	WILMINGTON	(910) 251-5724
00004	Richard E Greene, Jr., PE	PO BOX 3165	WILSON	(252) 237-6164
00005	Jonathan G Nance, PE	2612 NORTH DUKE STREET	DURHAM	(919) 560-6851
00006	Terry R Gibson, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 334-3192
00008	Tim Johnson, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 703-6500
00010	Benton G Payne, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 982-0101
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 667-9111
00012	Michael L Holder, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L050719

RPN	Contract Id	WBS	County	Length	JobType
001	C200958	33086.3.2	HALIFAX	0.436 MI	GRADING, DRAINAGE, PAVING & STRUCTURES.
002	C201493	37652	DURHAM	3.000 MI	WIDENING, MILLING, RESURFACING, GRDRAIL, SIGNALS & PVT MRK.
003	C201256	33287.3.1	FORSYTH	0.241 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.
004	C201013	34988.3.2	FORSYTH	0.935 MI	GRADING, DRAINAGE, PAVING, RETAINING WALL & STRUCTURES.
005	C201494	37687	UNION	6.100 MI	WIDENING, RESURFACING & DRAINAGE IMPROVEMENTS.
006	C201254	33209.3.1	HENDERSON	0.383 MI	GRADING, DRAINAGE, PAVING, & STRUCTURE.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050719 001

CONTRACT ID : C200958 33086.3.2

DIV OFFICE WILSON

LENGTH = 0.436 MI

COUNTY : HALIFAX

GRADING, DRAINAGE, PAVING & STRUCTURES.

DBE GOAL 7.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGES OVER BEECH SWAMP AND APPROACHES ON SR-1003.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+75 -L-)			
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (31+50 -L-)			
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING			
1,000	CY	UNDERCUT EXCAVATION			
Lump Sum	LS	GRADING			
13,000	CY	BORROW EXCAVATION			
4,000	CY	SELECT GRANULAR MATERIAL			
4,700	SY	FABRIC FOR SOIL STABILIZATION			
21	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRS			
196	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK			
6	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK			
100	TON	INCIDENTAL STONE BASE			
975	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B			
580	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
77	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
30	EA	RIGHT OF WAY MARKERS			
6	EA	MASONRY DRAINAGE STRUCTURES			
6	EA	FRAME WITH TWO GRATES, STD 840.29			
100	LF	SHOULDER BERM GUTTER			
1,150	LF	STEEL BM GUARDRAIL			
5	EA	ADDITIONAL GUARDRAIL POSTS			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE 350			
480	SY	FILTER FABRIC FOR DRAINAGE			
6	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON			
8.5	SF	CONTRACTOR FURNISHED, TYPE *** SIGN (E)			
16	LF	SUPPORTS, 3-LB STEEL U-CHANNEL			
2	EA	SIGN ERECTION, TYPE E			
12	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL			
403	SF	WORK ZONE SIGNS (STATIONARY)			
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)			
4	EA	WARNING FLAG SETS			
128	LF	BARRICADES (TYPE III)			
3,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
3,900	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
180	EA	PERMANENT RAISED PAVEMENT MARKERS			
4,120	LF	TEMPORARY SILT FENCE			
150	TON	STONE FOR EROSION CONTROL, CLASS A			
90	TON	STONE FOR EROSION CONTROL, CLASS B			
125	TON	SEDIMENT CONTROL STONE			
4	ACR	TEMPORARY MULCHING			
150	LB	SEED FOR TEMPORARY SEEDING			
0.75	TON	FERTILIZER FOR TEMPORARY SEED- ING			
190	LF	TEMPORARY SLOPE DRAINS			
8	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS			
4,030	LF	SAFETY FENCE			
160	CY	SILT EXCAVATION			
2,280	SY	MATTING FOR EROSION CONTROL			
40	LF	1/4" HARDWARE CLOTH			

4	EA	SPECIAL STILLING BASINS			
5	ACR	SEEDING & MULCHING			
2.5	ACR	MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
100	LB	SEED FOR SUPPLEMENTAL SEEDING			
3.5	TON	FERTILIZER TOPDRESSING			
3.5	HR	SPECIALIZED HAND MOWING			
8	EA	RESPONSE FOR EROSION CONTROL			

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (20+75.00 -L-)			
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (31+50.00 -L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (20+75.00 -L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (31+50.00 -L-)			
2	EA	DYNAMIC LOAD TEST			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (20+75.00 -L-)			
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (31+50.00 -L-)			
10,111	SF	REINFORCED CONCRETE DECK SLAB			
10,735	SF	GROOVING BRIDGE FLOORS			
143.3	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20+75.00 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (31+50.00 -L-)			
20,530	LB	REINFORCING STEEL (BRIDGE)			
1,205.33	LF	36" PRESTRESSED CONCRETE GIR- DERS			
1,560	LF	HP12X53 STEEL PILES			
1,490	LF	PP 18 X 0.50 STEEL PILES			
613	LF	CONCRETE BARRIER RAIL			
1,075	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)			
1,196	SY	FILTER FABRIC FOR DRAINAGE			
Lump Sum	LS	ELASTOMERIC BEARINGS			
Lump Sum	LS	EVAZOTE JOINT SEALS			
1,000	DOL	CONTRACT TIME			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L050719 002

CONTRACT ID : C201493 37652

DIV OFFICE DURHAM

LENGTH = 3.000 MI

COUNTY : DURHAM

WIDENING, MILLING, RESURFACING, GRDRAIL, SIGNALS & PVT MRK.

MBE GOAL 5.0% WBE 7.0% COMPLETION DATE : NOV 10 2005

SR-1121 (CORNWALLIS RD) FROM NC-55 TO SR-1959 (MIAMI BLVD).

ROADWAY ITEMS

Lump Sum	LS	DESCRIPTION
	LS	MOBILIZATION
60	TON	INCIDENTAL STONE BASE
6	SMI	SHOULDER RECONSTRUCTION
84,480	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1")
1,000	SY	INCIDENTAL MILLING
1,050	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
13,300	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
9,453	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
670	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
567	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22
400	TON	PATCHING EXISTING PAVEMENT
50	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
12	EA	ADJUSTMENT OF MANHOLES
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
400	LF	STEEL BM GUARDRAIL
10	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
400	LF	REMOVE EXISTING GUARDRAIL
37,980	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
42,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
4,200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
2,050	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
16	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120MIL)
247	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
77,850	LF	PAINT PAVEMENT MARKING LINES (4")
1,200	LF	PAINT PAVEMENT MARKING LINES (8")
200	LF	PAINT PAVEMENT MARKING LINES (16")
2,150	LF	PAINT PAVEMENT MARKING LINES (24")
56	EA	PAINT PAVEMENT MARKING CHARAC- TER
79	EA	PAINT PAVEMENT MARKING SYMBOL
410	EA	PERMANENT RAISED PAVEMENT MARKERS
6	ACR	SEEDING & MULCHING
2	EA	PEDESTRIAN SIGNAL HEAD (***, ** SECTION) (16", 1 SECTION W/ COUNTDOWN)
830	LF	SIGNAL CABLE
2	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
3	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
60	EA	MODIFY EXISTING VEHICLE SIGNAL HEAD
5,300	LF	TRENCHING (UNPAVED)
41	EA	JUNCTION BOX (STANDARD SIZE)
6,990	LF	INDUCTIVE LOOP SAWCUT
7,910	LF	LEAD-IN CABLE
1	EA	SIGNAL PEDESTAL WITH FOUNDA- TION
8	EA	SIGN FOR SIGNALS
2	EA	DETECTOR CARD (TYPE 170)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050719 003

CONTRACT ID : C201256 33287.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 0.241 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 9.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #139 OVER FISHER'S BRANCH & APPROACHES ON SR-2632.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	GENERIC MISCELLANEOUS ITEM ROADWAY CONSTRUCTION
751	TON	FOUNDATION CONDITIONING MATERIAL, UTILITIES CLASS ***** (VI)
751	TON	BEDDING MATERIAL, UTILITIES CLASS ***** (VI)
12	LF	*** DI WATER PIPE, PC ***** (6", PC 350)
400	LF	*** DI RESTRAINED JOINT WATER PIPE, CLASS ***** (6", PC 350)
360	LB	DI RESTRAINED JOINT WATER PIPE FITTINGS, 250# MIN WP
136	LF	3/4" COPPER WATER PIPE, TYPE K (3/4", SDR 9, 200# WP)
60	LB	DUCTILE IRON WATER PIPE FITTINGS, 250# MIN WP
1	EA	3/4" CORPORATION STOP
3	EA	6" GATE VALVE & VALVE BOX, 200# WP
1	EA	***X*** TAPPING SADDLE (6" X 3/4")
6	EA	RELOCATE EXISTING WATER METER
1	EA	RELOCATE EXISTING FIRE HYDRANT
225	LF	*** DI SEWER PIPE, CLASS ***** (16", CLASS 50)
40	LF	*** DI SEWER PIPE, CLASS ***** (4", CLASS 51)
149	LF	*** DI SEWER PIPE, CLASS ***** (8", CLASS 50)
2	EA	SANITARY SEWER CLEAN-OUT
5	EA	4' DIA PRECAST CONC SEWER MANHOLE 0-6' DEPTH
41	LF	PRECAST CONC MANHOLE WALL, * DIA, OVER 6' HT (4')
4	LF	SEWER MANHOLE OUTSIDE DROP ASSEMBLY
175	LF	FILL OR REMOVE ABANDONED *** PIPE, ***** (15", VC SEWER)
1	EA	BREAK DOWN, PLUG, & FILL ABANDONED UTILITY MANHOLE
2	EA	GENERIC UTILITY ITEM 6" RESTRAINED RETAINER GLANDS
1	EA	GENERIC UTILITY ITEM BREAKDOWN & FILL ABANDONED SEPTIC TANK
79	LF	GENERIC UTILITY ITEM 4" PVC SEWER PIPE SCH 40

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (19 + 64.00 -L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (19 + 64.00 -L-)
375	LF	HP12X53 STEEL PILES
10	EA	STEEL PILE POINTS
130	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
Lump Sum	LS	CONSTRUCTION OF SUBSTRUCTURE
Lump Sum	LS	CONSTRUCTION OF SUPERSTRUCTURE

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050719 004

CONTRACT ID : C201013 34988.3.2

DIV OFFICE WINSTON-SALEM

LENGTH = 0.935 MI

COUNTY : FORSYTH

GRADING, DRAINAGE, PAVING, RETAINING WALL & STRUCTURES.

DBE GOAL 12.0% COMPLETION DATE : SEP 01 2007

BRIDGE OVER I-40 FROM WEST OF KESTER MILL RD TO WEST OF WESTGATE CENTER DR IN WINSTON-SALEM.

ROADWAY ITEMS					
			4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
Lump Sum	LS	MOBILIZATION	18	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (21+64.07 -L-)	17	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING	5	EA	FRAME WITH COVER, STD 840.54
1,000	CY	UNDERCUT EXCAVATION	5	EA	CONCRETE APRON FOR DROP INLETS
Lump Sum	LS	GRADING	2,500	LF	1'-6" CONCRETE CURB & GUTTER
360	TON	CLASS IV SUBGRADE STABILIZATION	8,600	LF	2'-6" CONCRETE CURB & GUTTER
139,200	CY	BORROW EXCAVATION	4,650	SY	4" CONCRETE SIDEWALK
113	CY	DRAINAGE DITCH EXCAVATION	225	SY	CONCRETE WHEELCHAIR RAMPS
1,000	CY	SELECT GRANULAR MATERIAL	1,400	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
1,000	SY	FABRIC FOR SOIL STABILIZATION	225	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
700	SF	TEMPORARY SHORING	2	EA	ADJUSTMENT OF CATCH BASINS
2,520	SF	TEMPORARY SHORING - BARRIER SUPPORTED	17	EA	ADJUSTMENT OF MANHOLES
210	TON	SELECT MATERIAL, CLASS II	13	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
500	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS	2	EA	IMPACT ATTENUATOR UNIT, TYPE 350
2,828	LF	15" RC PIPE CULVERTS, CLASS III	3,250	LF	STEEL BM GUARDRAIL
656	LF	18" RC PIPE CULVERTS, CLASS III	10	EA	ADDITIONAL GUARDRAIL POSTS
752	LF	24" RC PIPE CULVERTS, CLASS III	4	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
12	LF	48" RC PIPE CULVERTS, CLASS III	8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
64	LF	***** RC PIPE CULVERTS, CLASS IV (30")	5	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
100	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	6	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
180	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK	3,100	LF	REMOVE EXISTING GUARDRAIL
2	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	637	LF	WOVEN WIRE FENCE, 47" FABRIC
2	EA	24" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK	37	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
672	LF	PIPE REMOVAL	16	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
20	TON	INCIDENTAL STONE BASE	580	LF	CHAIN LINK FENCE, 48" FABRIC
4,000	SY	INCIDENTAL MILLING	51	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
11,700	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	8	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
6,900	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C	10	TON	PLAIN RIP RAP, CLASS I
7,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	235	TON	PLAIN RIP RAP, CLASS B
828	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22	1,169	SY	FILTER FABRIC FOR DRAINAGE
455	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22	1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
135	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	550	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
1,250	LF	MILLED RUMBLE STRIPS	Lump Sum	LS	OVERHEAD SIGN ASSEMBLY AT STA ***** (13+00 -Y1-)
140	CY	SUBDRAIN EXCAVATION	29	EA	SIGN ERECTION, TYPE E
110	CY	SUBDRAIN FINE AGGREGATE	Lump Sum	LS	LRs LIGHTING SYSTEM FOR OVERHEAD SIGN ASSEMBLY AT STA ***** (13+00 -Y1-)
600	LF	6" PERFORATED SUBDRAIN PIPE	1	EA	DISPOSAL OF SIGN SYSTEM, OVERHEAD
18	EA	6" SUBDRAIN PIPE WYES, TEES, & ELBOWS	6	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
2	EA	CONCRETE PAD FOR SUBDRAIN PIPE OUTLET	684	SF	WORK ZONE SIGNS (STATIONARY)
12	LF	6" OUTLET PIPE (SUBDRAINS)	352	SF	WORK ZONE SIGNS (PORTABLE)
5	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	64	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
8	CY	ENDWALLS	2	EA	FLASHING ARROW PANELS, TYPE C
4	CY	PIPE COLLARS	7	EA	CHANGEABLE MESSAGE SIGNS
0.5	CY	PIPE PLUGS	8	EA	WARNING FLAG SETS
30	CY	FLOWABLE FILL	500	EA	DRUMS
57	EA	MASONRY DRAINAGE STRUCTURES	200	EA	CONES
68	LF	MASONRY DRAINAGE STRUCTURES	150	LF	BARRICADES (TYPE III)
5	EA	FRAME WITH TWO GRATES, STD 840.16	1,728	HR	FLAGGER
6	EA	FRAME WITH TWO GRATES, STD 840.24	4	EA	TEMPORARY CRASH CUSHIONS
			4	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
			1,100	LF	PORTABLE CONCRETE BARRIER

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L050719 005

CONTRACT ID : C201494 37687

DIV OFFICE ALBEMARLE

LENGTH = 6.100 MI

COUNTY : UNION

WIDENING, RESURFACING & DRAINAGE IMPROVEMENTS.

MBE GOAL 5.0% WBE 3.0% COMPLETION DATE : SEP 01 2006

SR-1501 (SECRET SHORTCUT RD) FROM MECKLENBURG CO LINE TO SR-1514 (ROCKY RIVER RD).

ROADWAY ITEMS

			1,500	TON	STONE FOR EROSION CONTROL, CLASS B
			800	TON	SEDIMENT CONTROL STONE
			1,000	CY	SILT EXCAVATION
			2,000	SY	MATTING FOR EROSION CONTROL
			10	ACR	SEEDING & MULCHING
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)			
2,000	CY	UNDERCUT EXCAVATION			
Lump Sum	LS	GRADING			
2,000	CY	BORROW EXCAVATION			
600	SY	FABRIC FOR SOIL STABILIZATION			
100	LF	12" RC PIPE CULVERTS, CLASS III			
1,900	LF	15" RC PIPE CULVERTS, CLASS III			
32	LF	18" RC PIPE CULVERTS, CLASS III			
36	LF	24" RC PIPE CULVERTS, CLASS III			
12	LF	30" RC PIPE CULVERTS, CLASS III			
16	LF	36" RC PIPE CULVERTS, CLASS III			
16	LF	54" RC PIPE CULVERTS, CLASS III			
16	LF	60" RC PIPE CULVERTS, CLASS III			
8	LF	GENERIC PIPE ITEM 54" X 36" CMP ARCH PIPE			
600	LF	PIPE REMOVAL			
1,200	TON	INCIDENTAL STONE BASE			
7,500	SY	MILLING ASPHALT PAVEMENT, **** TO *****" DEPTH (0" TO 1-1/2")			
4,670	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
14,485	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
9,085	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
1,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)			
882	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22			
610	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 70-22			
1,260	TON	PATCHING EXISTING PAVEMENT			
24	CY	PIPE COLLARS			
1	CY	PIPE PLUGS			
1	EA	MASONRY DRAINAGE STRUCTURES			
1	EA	FRAME WITH TWO GRATES, STD 840.16			
150	SY	4" CONCRETE SIDEWALK			
640	SY	6" CONCRETE DRIVEWAY			
22	EA	ADJUSTMENT OF MANHOLES			
20	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
700	LF	REMOVE & RESET EXISTING GUARD- RAIL			
2	EA	CHANGEABLE MESSAGE SIGNS			
100	HR	POLICE			
60,123	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
67,503	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
959	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
440	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
66	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
127,626	LF	PAINT PAVEMENT MARKING LINES (4")			
959	LF	PAINT PAVEMENT MARKING LINES (8")			
440	LF	PAINT PAVEMENT MARKING LINES (24")			
66	EA	PAINT PAVEMENT MARKING SYMBOL			
375	EA	PERMANENT RAISED PAVEMENT MARKERS			
10	EA	RELOCATE EXISTING WATER METER			
6,000	LF	TEMPORARY SILT FENCE			

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L050719 006

CONTRACT ID : C201254 33209.3.1

DIV OFFICE SYLVA

LENGTH = 0.383 MI

COUNTY : HENDERSON

GRADING, DRAINAGE, PAVING, & STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : DEC 31 2006

BRIDGE OVER MUD CREEK & APPROACHES ON SR-1528.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ***** (20+95.00 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
1,500	CY	UNDERCUT EXCAVATION
1,000	TON	CLASS IV SUBGRADE STABILIZATION
262	CY	DRAINAGE DITCH EXCAVATION
1,000	CY	SELECT GRANULAR MATERIAL
1,000	SY	FABRIC FOR SOIL STABILIZATION
205	SF	TEMPORARY SHORING - BARRIER SUPPORTED
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
56	LF	15" SIDE DRAIN PIPE
48	LF	18" SIDE DRAIN PIPE
40	LF	15" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
40	LF	24" BIT COAT CS PIPE CULVERTS, TYPE B 0.064" THICK
4	EA	15" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
4	EA	24" BIT COAT CS PIPE ELBOWS, TYPE B 0.064" THICK
5	LF	GENERIC PIPE ITEM 8" PVC PIPE
1	EA	GENERIC PIPE ITEM 8" PVC PIPE ELBOWS
40	LF	PIPE REMOVAL
180	TON	AGGREGATE BASE COURSE
250	TON	INCIDENTAL STONE BASE
1,210	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
780	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
840	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
140	TON	ASPHALT BINDER FOR PLANT MIX, GRADE PG 64-22
100	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)
2	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH TWO GRATES, STD 840.29
90	LF	SHOULDER BERM GUTTER
1,075	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
924	LF	REMOVE EXISTING GUARDRAIL
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ***** TEMPORARY (WBEAM)
21	TON	PLAIN RIP RAP, CLASS II
56	TON	PLAIN RIP RAP, CLASS B
871	SY	FILTER FABRIC FOR DRAINAGE
570	SF	WORK ZONE SIGNS (STATIONARY)
143	SF	WORK ZONE SIGNS (PORTABLE)
94	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
6	EA	WARNING FLAG SETS
50	EA	DRUMS

25	EA	CONES
96	LF	BARRICADES (TYPE III)
160	HR	FLAGGER
1	EA	TEMPORARY CRASH CUSHIONS
1	EA	TRUCK MOUNTED IMPACT ATTENUATOR (60 MPH)
100	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)
3,260	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
3,260	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
440	LF	THERMOPLASTIC RUMBLE STRIP (4" 240 MILS)
31,360	LF	PAINT PAVEMENT MARKING LINES (4")
180	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
3,075	LF	TEMPORARY SILT FENCE
75	TON	STONE FOR EROSION CONTROL, CLASS A
320	TON	STONE FOR EROSION CONTROL, CLASS B
375	TON	SEDIMENT CONTROL STONE
4.5	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.75	TON	FERTILIZER FOR TEMPORARY SEEDING
270	LF	TEMPORARY SLOPE DRAINS
5	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
1,540	CY	SILT EXCAVATION
1,600	SY	MATTING FOR EROSION CONTROL
40	LF	1/4" HARDWARE CLOTH
12	EA	SPECIAL STILLING BASINS
5	ACR	SEEDING & MULCHING
2.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
3.75	TON	FERTILIZER TOPDRESSING
3	HR	SPECIALIZED HAND MOWING
8	EA	RESPONSE FOR EROSION CONTROL
0.5	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (20 + 95.00 -L-)
145	LF	3'-6" DIA DRILLED PIERS IN SOIL
36	LF	3'-6" DIA DRILLED PIERS NOT IN SOIL
86.51	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER
2	EA	SID INSPECTION
2	EA	SPT TESTING
2	EA	CROSSHOLE SONIC LOGGING
784	LF	CSL TUBES
7,792	SF	GROOVING BRIDGE FLOORS
101.5	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (20 + 95.00 -L-)
25,558	LB	REINFORCING STEEL (BRIDGE)
4,537	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
840	LF	HP12X53 STEEL PILES
24	EA	STEEL PILE POINTS
435.09	LF	CONCRETE BARRIER RAIL
290	TON	PLAIN RIP RAP CLASS II (2'-0" THICK)
320	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS

Lump Sum	LS	EVAZOTE JOINT SEALS
2,822.49	LF	3'-0" X 2'-9" PRESTRESSED CONC BOX BEAMS
7,884	SF	GENERIC STRUCTURE ITEM CONCRETE WEARING SURFACE