



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR


J. ERIC BOYETTE  
SECRETARY

**IMPORTANT INFORMATION  
PLEASE READ**

TO PREQUALIFIED BIDDERS AND PURCHASE ORDER PRIMES:

The requirements for bidding on NCDOT construction projects are changing. The current requirement to purchase plans or a proposal to be eligible to bid will be replaced by a requirement to register for the *Interested Parties List*. This change will be effective for any Central or Division letting June 1, 2022 and later.

**For any letting June 1, 2022 and later:**



**Contractors bidding on NCDOT contracts must sign up for the *Interested Parties List* for each project they intend to submit bids on. As part of this new requirement, Contractors must sign up for the *Interested Parties List* no later than one business day prior to the Letting Date.**

The purchase of plans or proposals will no longer be required to bid on NCDOT Central Let projects and will be replaced by the new requirement above to sign up for the *Interested Parties List*. Plans will continue to be available for purchase, however anyone who purchases plans shall still sign up for the *Interested Parties List* to be eligible to bid.

A one-page quick guide follows this letter and the quick guide a more detailed walkthrough on signing up for the *Interested Parties List* can be found on the Central and Division Letting Resources pages at the links below:


<https://connect.ncdot.gov/letting/Pages/Central.aspx>

<https://connect.ncdot.gov/letting/Pages/Division-Letting-Resources.aspx>

The links and functionality described in the guides will be available on our website in the near future. For more information or assistance with this new process please submit any questions to [InterestedPartiesHelp@ncdot.gov](mailto:InterestedPartiesHelp@ncdot.gov).

For additional assistance with general bidding related questions please email [AWPhelp@ncdot.gov](mailto:AWPhelp@ncdot.gov).

Ronald E. Davenport, Jr., PE  
State Contract Officer

DocuSigned by:  
  
F81B6038A47A442...



## Interested Parties List

To **register to bid on an upcoming NCDOT construction contract**, or to register in general to be notified about updates for selected upcoming contracts to be let, add your firm to the Interested Parties list for each contract in which you are interested. Interested parties will be informed by mail whenever there are addenda or other changes to the planned letting.

*You are no longer required to be a Plan Holder to bid for any lettings occurring June 1, 2022, or later.*

**Interested parties and authorized bidders MUST sign up at least one full business day prior to the let date.**

### To Register:

1. Navigate to the details page for the selected contract. Press **Interested Parties for this letting** or go directly to the overall [Interested Parties list](#)
2. Press **Add Firm** and find your firm using the Search box. Select your firm name and press **Next**
3. Complete the contact information for the person to be notified of changes and press **Next**
4. Review the list of upcoming Central and Division contracts and select the upcoming contract(s) in which you are interested and press **Next**.  
*There is no need to register again for contracts for which you have previously registered.*
5. The confirmation page will summarize your entered information. Press **Submit**.
6. A confirmation email will be sent to the provided address. Within one hour, the firm will appear on the publicly viewable Interested Parties list for each of the specified contracts. Allow five business days for NCDOT staff to upload your firm as an authorized bidder in Bid Express.

Email [InterestedPartiesHelp@ncdot.gov](mailto:InterestedPartiesHelp@ncdot.gov) if you have any problems registering.



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# NOTICE OF DBE OPPORTUNITIES

## Upcoming Opportunities for DBE Firms to Participate on NCDOT Projects

As part of the North Carolina Department of Transportation’s continuing commitment to promote Disadvantaged/Minority/Women Business Enterprise (D/M/WBE) participation, the Division of Highways Chief Engineer’s Office would like to remind you of the broad range of construction, maintenance and operational opportunities available within NCDOT. One of these opportunities is the monthly advertisement of Central Let projects with letting typically held on the third Tuesday of each month. NCDOT advertises the Central Lettings at the location below with a separate letting page for each month. If your firm is eligible to bid (i.e. prequalified as a Bidder), you can download and print the bid related items from the upcoming monthly letting pages here:

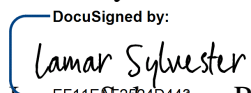
### [Central Highway Lettings](#)

Additionally, if you are interested in providing subcontractor work for any of the listed projects, we strongly encourage you to solicit each of the contractors bidding on the projects to see if they are interested in receiving a quote. Potential bidders or subcontractors may sign themselves up and provide contact information using the Interested Parties List button on each of the monthly letting pages. A screenshot of the IPL button is shown below for reference:



I would like to personally thank you for your time in considering this opportunity with the North Carolina Department of Transportation.

Sincerely,

DocuSigned by:  
  
Lamar Sylvester, PE  
Chief Engineer  
Division of Highways

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
OFFICE OF THE CHIEF ENGINEER  
MAIL SERVICE CENTER 1536  
RALEIGH NC 27699-1536

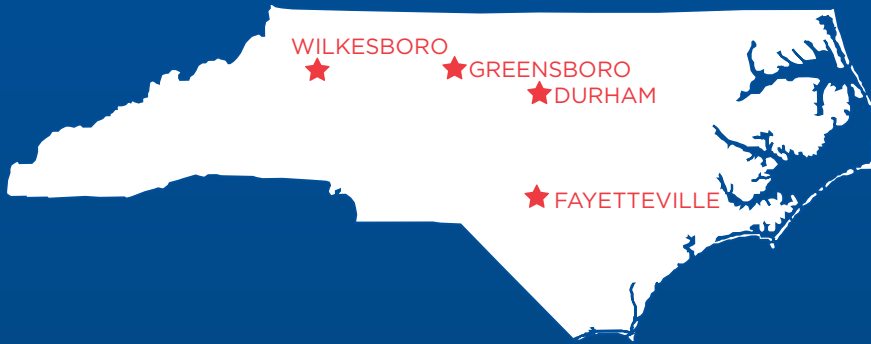
TELEPHONE: 919-707-2500  
FAX: 919-733-9428  
Customer Service: 1-877-368-4968

WEBSITE: [WWW.NCDOT.GOV](http://WWW.NCDOT.GOV)

**LOCATION:**  
1 SOUTH WILMINGTON STREET  
RALEIGH NC 27601



# 2024 NCDOT TECHNICAL TRAINING SCHEDULE



## DURHAM

Durham Technical Community College  
The Chesterfield Building  
701 West Main Street  
Durham, N.C. 27701

## GREENSBORO

Guilford Technical Community College  
Continuing Education Center - W2 Building  
3501 East Wendover Avenue  
Greensboro, N.C. 27405

## FAYETTEVILLE

Fayetteville Tech Community College  
Neill Currie Building - Room 7A  
218 Hull Road  
Fayetteville, N.C. 28303

## WILKESBORO

Wilkes County Agricultural Center  
Ag Building Conference Rooms  
416 Executive Drive  
Wilkesboro, N.C. 28697

DATES	COURSE TOPICS	DURHAM	FAYETTEVILLE	GREENSBORO	WILKESBORO
April 2024	Clearing, Grubbing & Excavation	April 11	n/a	n/a	April 18
May 2024	Erosion Control	n/a	May 9	May 23	n/a
June 2024	Incidental Concrete	June 13	n/a	n/a	June 27
July 2024	Utility Installation & Adjustments	n/a	July 11	July 25	n/a
August 2024	Work Zone Traffic Control	Aug. 8	n/a	n/a	Aug. 22
September 2024	Pipe and Culvert Installation	n/a	Sept. 12	Sept. 26	n/a
October 2024	Clearing, Grubbing & Excavation	n/a	Oct. 10	Oct. 17	n/a

The 2024 NCDOT Technical Training Series is a pilot program that will offer various courses to small highway construction contractors interested in working on NCDOT projects. Each course will cover NCDOT Standard Specifications and Drawings, equipment requirements, bidding and estimating, project management, invoicing and payment, and more. Courses will be held in Durham, Fayetteville, Greensboro and Wilkesboro, and will be taught in-person by NCDOT engineers, prime contractors and other industry professionals. To register, please visit the website: [www.ncdot.gov/highwaystechtraining](http://www.ncdot.gov/highwaystechtraining). For questions, please email: [ccu@ncdot.gov](mailto:ccu@ncdot.gov) or call: 984-810-9276.



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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISIONS) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN THE CONTRACT STANDARDS AND DEVELOPMENT UNIT RIVERWOOD CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. OR VIA THE WEBCAST AT **2:00 PM** ON OCTOBER 15, 2024. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2:00 PM.

1. THE BIDDER SHALL SELF REGISTER AT THE FOLLOWING WEBSITE FOR EACH PROJECT FOR WHICH THEY INTEND TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID

<https://connect.ncdot.gov/letting/pages/Interested-Parties.aspx>

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 THEY ELECT TO FURNISH A BID DEPOSIT.

3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION, DEBARMENT AND GIFT BAN CERTIFICATION, EXECUTED PAYMENT AND PERFORMANCE BONDS, AND OPTIONAL BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT FORM (SPA-1) FOR EACH CONTRACT. CERTIFICATION FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE <https://connect.ncdot.gov/letting/Pages/Central-Letting-Forms.aspx>. BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT FORM (SPA-1) IS AVAILABLE AT THE FOLLOWING WEBSITE <https://connect.ncdot.gov/letting/Pages/Central-Letting-Resources.aspx>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE EMAILED TO THE STATE CONTRACT OFFICER AT [ContractOfficer@ncdot.gov](mailto:ContractOfficer@ncdot.gov).

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. ON FEDERAL PROJECTS, THE APPROPRIATE CONTRACTOR'S LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, VISIT THE CONTRATOR LICENSING BOARD WEBSITE AT <https://www.nclbgc.org> OR EMAIL [licensing@nclbgc.org](mailto:licensing@nclbgc.org).

**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 PREQUALIFICATION SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT AT <https://connect.ncdot.gov/business/Prequal/Pages/default.aspx>. ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES MANAGEMENT SECTION AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY ENSURE 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 (919-707-6925), FAXING (919-250-4127), OR VISITING THE WEBSITE AT: <https://connect.ncdot.gov/letting/Pages/Order-Plans.aspx>. 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 7.25% 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 SEPTEMBER 04, 2024.  
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.

<b>DIV NO.</b>	<b>DIVISION ENGINEER</b>	<b>TOWN</b>	<b>TELEPHONE</b>
001	C. Win Bridgers, Jr., PE	EDENTON	(252) 482-1850
002	Jeremy D. Stroud, PE	GREENVILLE	(252) 439-2800
003	D. Chad Kimes, PE	CASTLE HAYNE	(910) 341-2000
004	D. Keith Eason, PE	WILSON	(252) 237-6164
005	Brandon Jones, PE	DURHAM	(919) 220-4600
006	L. Wallace Jernigan	FAYETTEVILLE	(910) 486-1493
007	Wright Archer, III, PE	GREENSBORO	(336) 487-0000
008	Reuben Blakley, PE	CARTHAGE	(910) 773-8000
009	S. Pat Ivey, PE	WINSTON-SALEM	(336) 747-7800
010	Brett Canipe, PE	ALBEMARLE	(704) 983-4400
011	Michael Poe, PE	NORTH WILKESBORO	(336) 903-9101
012	Mark Stafford, PE	SHELBY	(704) 480-5400
013	Timothy Anderson, PE	ASHEVILLE	(828) 250-3000
014	Wanda Payne, PE	SYLVA	(828) 586-2141

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

Bid Letting Number: L241015

RPN Contract Id WBS	County	Length	Job Type
001 C204348 37944.3.4	IREDELL, CATAWBA	6.943 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L241015

001

CONTRACT ID : C204348 37944.3.4

DIV OFFICE SHELBY

LENGTH = 6.943 MI

COUNTY : IREDELL, CATAWBA

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

DBE GOAL 4.00% COMPLETION DATE : MAY 14, 2030

NC-150 FROM SR-1840 (GREENWOOD ROAD) IN CATAWBA COUNTY TO US-21 IN IREDELL COUNTY.

		ROADWAY ITEMS			
		292	LF	**** RC PIPE CULVERTS, CLASS IV (60")	
Lump Sum	LS	36	LF	**** RC PIPE CULVERTS, CLASS IV (78")	
Lump Sum	LS			CONSTRUCTION SURVEYING	
Lump Sum	LS	42,860	LF	15" RC PIPE CULVERTS, CLASS IV	
Lump Sum	LS	11,704	LF	18" RC PIPE CULVERTS, CLASS IV	
Lump Sum	LS			FIELD OFFICE	
Lump Sum	LS	7,640	LF	24" RC PIPE CULVERTS, CLASS IV	
	3	3,728	LF	30" RC PIPE CULVERTS, CLASS IV	
	ACR			SUPPLEMENTARY CLEARING & GRUBBING	
	1	988	LF	36" RC PIPE CULVERTS, CLASS IV	
	EA			SEALING ABANDONED WELLS	
205,000	CY	108	LF	*** HDPE PIPE CULVERTS (6")	
31,000	CY			UNCLASSIFIED EXCAVATION	
380,000	CY	252	LF	*** CS PIPE CULVERTS, ***** THICK (36", 0.079")	
	2,840	40	LF	** CS PIPE CULVERTS, ***** THICK (42", 0.109")	
	CY			DRAINAGE DITCH EXCAVATION	
	140	316	LF	15" CS PIPE CULVERTS, 0.064" THICK	
	LF			BERM DITCH CONSTRUCTION	
62,300	SY	88	LF	18" CS PIPE CULVERTS, 0.064" THICK	
	7,450	172	LF	24" CS PIPE CULVERTS, 0.064" THICK	
	SY			BREAKING OF EXISTING ASPHALT PAVEMENT	
	50	116	LF	30" CS PIPE CULVERTS, 0.079" THICK	
	HR			PROOF ROLLING	
18,900	CY	2	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	
	15,300	1	EA	** CS PIPE ELBOWS, ***** THICK (18", 0.064")	
	SY			GEOTEXTILE FOR SOIL STABILIZATION	
24,800	SF	2	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")	
	19,800	2	EA	*** CS PIPE ELBOWS, ***** THICK (30", 0.079")	
	SY			GEOTEXTILE FOR ROCK EMBANKMENTS	
4,300	SY	2	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")	
	857	2	EA	*** CS PIPE ELBOWS, ***** THICK (36", 0.079")	
	CY			GENERIC GRADING ITEM FILTRATION BASIN MEDIA	
	3,200	498	LF	GENERIC PIPE ITEM PERFORATED HDPE PIPE	
	SY			GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	
Lump Sum	LS	23,817	LF	PIPE REMOVAL	
				GENERIC GRADING ITEM TYPE 1 BRIDGE APPROACH FILL, STA 471+85.00 -L-	
Lump Sum	LS	Lump Sum	LS	FINE GRADING	
				GENERIC GRADING ITEM TYPE 2 BRIDGE APPROACH FILL, STA 733+32.53 -L-	
	250	66,570	SY	LIME TREATED SOIL (SLURRY METHOD)	
	TON			HAULING AND DISPOSAL OF COAL ASH CONTAMINATED MATERIAL	
	150	800	TON	LIME FOR LIME TREATED SOIL	
	TON			GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	
	242	2,500	CY	SHALLOW UNDERCUT	
	TON			GENERIC GRADING ITEM WASHED #57 STONE	
	17,750	50,700	TON	CLASS IV SUBGRADE STABILIZATION	
	TON			SELECT MATERIAL, CLASS ***** (VI)	
	207,200	500	TON	STABILIZER AGGREGATE	
	TON			SELECT MATERIAL, CLASS ***** (VII)	
	8,310	128,000	SY	GEOTEXTILE FOR SUBGRADE STABILIZATION	
	TON			FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	
	26,110	11,050	TON	AGGREGATE BASE COURSE	
	SY			FOUNDATION CONDITIONING GEOTEXTILE	
	96	66,570	SY	SOIL CEMENT BASE	
	LF			** SIDE DRAIN PIPE (12")	
	1,400	1,865	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE	
	LF			** SIDE DRAIN PIPE (30")	
	56	19,980	GAL	ASPHALT CURING SEAL	
	LF			** SIDE DRAIN PIPE (36")	
	76	6,000	TON	INCIDENTAL STONE BASE	
	LF			** SIDE DRAIN PIPE (42")	
	52	44,570	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")	
	LF			** SIDE DRAIN PIPE (48")	
	3,912	7,200	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	
	LF			15" SIDE DRAIN PIPE	
	1,820	8,360	SY	INCIDENTAL MILLING	
	LF			18" SIDE DRAIN PIPE	
	1,288	121,630	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	
	LF			24" SIDE DRAIN PIPE	
	564	76,940	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	
	LF			15" RC PIPE CULVERTS, CLASS III	
	236	7,330	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	
	LF			24" RC PIPE CULVERTS, CLASS III	
	148	53,830	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	
	LF			30" RC PIPE CULVERTS, CLASS III	
	324	390	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	
	LF			36" RC PIPE CULVERTS, CLASS III	
	144	12,820	TON	ASPHALT BINDER FOR PLANT MIX	
	LF			48" RC PIPE CULVERTS, CLASS III	
		25	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	
		12,154	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	
		1,620	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	
		336	CY	SUBDRAIN EXCAVATION	



1,000	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	3	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3
168	CY	SUBDRAIN COARSE AGGREGATE	14,225	LF	STEEL BEAM GUARDRAIL
1,000	LF	6" PERFORATED SUBDRAIN PIPE	675	LF	STEEL BEAM GUARDRAIL, SHOP CURVED
2	EA	SUBDRAIN PIPE OUTLET	6	EA	STEEL BEAM GUARDRAIL TERMINAL SECTIONS
12	LF	6" OUTLET PIPE	105	EA	EXTRA LENGTH GUARDRAIL POST (** STEEL) (8')
35	TON	BLOTTING SAND	30	EA	ADDITIONAL GUARDRAIL POSTS
11.3	CY	ENDWALLS	5	EA	GUARDRAIL END UNITS, TYPE AT-1
11.2	CY	REINFORCED ENDWALLS	41	EA	GUARDRAIL END UNITS, TYPE CAT-1
16.307	CY	PIPE COLLARS	4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
5.112	CY	PIPE PLUGS	44	EA	GUARDRAIL END UNITS, TYPE TL-3
52	CY	FLOWABLE FILL	3	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
899	EA	MASONRY DRAINAGE STRUCTURES	400	LF	REMOVE & RESET EXISTING GUARDRAIL
14.3	CY	MASONRY DRAINAGE STRUCTURES	8,900	LF	REMOVE EXISTING GUARDRAIL
521.1	LF	MASONRY DRAINAGE STRUCTURES	2,820	LF	WOVEN WIRE FENCE, 47" FABRIC
1	EA	FRAME WITH GRATE, STD 840.**** (840.20)	165	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
1	EA	FRAME WITH GRATE, STD 840.24	67	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
173	EA	FRAME WITH TWO GRATES, STD 840.16	300	LF	CHAIN LINK FENCE, *** FABRIC (60")
23	EA	FRAME WITH TWO GRATES, STD 840.20	900	LF	CHAIN LINK FENCE, *** FABRIC (96")
9	EA	FRAME WITH TWO GRATES, STD 840.22	6,500	LF	CHAIN LINK FENCE, 48" FABRIC
83	EA	FRAME WITH TWO GRATES, STD 840.24	30	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (60")
21	EA	FRAME WITH TWO GRATES, STD 840.29	80	EA	METAL LINE POSTS FOR *** CHAIN LINK FENCE (96")
85	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	560	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
232	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	4	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (60")
238	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	2	EA	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (96")
24	EA	FRAME WITH COVER, STD 840.54	40	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
144	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET	14	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (48")
6	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN	2	EA	METAL GATE POSTS FOR *** CHAIN LINK FENCE, DOUBLE GATE (60")
172	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	7	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 6', 12')
1	EA	*** SLUICE GATE (36")	1	EA	DOUBLE GATES, *** HIGH, *** WIDE, *** OPENING (60", 6', 12')
1	EA	*** SLUICE GATE (42")	5,275	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
1,678	SY	GENERIC DRAINAGE ITEM POLYPROPYLENE NONWOVEN GEOTEXTILE FABRIC	1,640	TON	RIP RAP, CLASS I
5.7	CY	GENERIC DRAINAGE ITEM CONCRETE FILL IN RISER	200	TON	RIP RAP, CLASS II
2,690	LF	*** X *** CONCRETE CURB (8" X 18")	6,450	TON	RIP RAP, CLASS A
1,240	LF	***,*** CONCRETE CURB & GUTTER (2'-0")	13,600	TON	RIP RAP, CLASS B
3,270	LF	***,*** CONCRETE CURB & GUTTER (2'-9")	15,370	SY	GEOTEXTILE FOR DRAINAGE
32,730	LF	1'-6" CONCRETE CURB & GUTTER	6	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
74,600	LF	2'-6" CONCRETE CURB & GUTTER	333	CY	OVERHEAD FOOTING
555	LF	SHOULDER BERM GUTTER	5,513	LB	SUPPORTS, BREAKAWAY STEEL BEAM
380	LF	CONCRETE EXPRESSWAY GUTTER	11,250	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
21,270	SY	4" CONCRETE SIDEWALK	8	EA	SIGN ERECTION, TYPE D
300	EA	CONCRETE CURB RAMPS	716	EA	SIGN ERECTION, TYPE E
1,050	SY	6" CONCRETE DRIVEWAY	65	EA	SIGN ERECTION, TYPE F
330	SY	4" CONCRETE PAVED DITCH	4	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
92	SY	4" CONCRETE ISLAND COVER	2	EA	SIGN ERECTION, MILEMARKERS
20,270	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	8	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)
4	EA	CONCRETE BARRIER TRANSITION SECTION	8	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (B)
2,200	LF	VARIABLE HEIGHT CONCRETE BARRIER, TYPE ***** (III)	4	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
170	LF	MEDIAN HAZARD PROTECTION	21	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
580	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED			
10	EA	ADJUSTMENT OF CATCH BASINS			
3	EA	ADJUSTMENT OF MANHOLES			
3	EA	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX			
7	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX			
1	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN			

2	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (F)	2	EA	GENERIC TRAFFIC CONTROL ITEM TEMPORARY CURB RAMPS
7	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (LOGO TRAILBLAZER)	4,243	EA	TEMPORARY RAISED PAVEMENT MARKERS
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (13+00 -Y23-)	250	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (14+32 -Y40-)	7,500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (14+97 -Y17-)	4,300	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (16+55 -Y31RPC-)	6,025	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (17+03 -Y31RPA-)	181	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (22+88 -Y16-)	691	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (609+50 -L-)	22	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (698+45 -L-)	152	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (712+77 -L-)	6,800	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (728+23 -L-)	400	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (731+90 -L-)	8	EA	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (734+85 -L-)	24	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (739+32 -L-)	374,538	LF	PAINT PAVEMENT MARKING LINES (4")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (786+50 -L-)	9,600	LF	PAINT PAVEMENT MARKING LINES (6")
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE ***** (796+89 -L-)	14,905	LF	PAINT PAVEMENT MARKING LINES (8")
16	EA	DISPOSAL OF SUPPORT, STEEL BEAM	9,006	LF	PAINT PAVEMENT MARKING LINES (24")
251	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	102	EA	PAINT PAVEMENT MARKING CHARACTER
30	EA	DISPOSAL OF SUPPORT, U-CHANNEL	592	EA	PAINT PAVEMENT MARKING SYMBOL
13	EA	STOCKPILE SIGN, D, E OR F	265	LF	POLYUREA PAVEMENT MARKING LINES (**", *** MILS) (12", 30 MILS)
2,208	SF	WORK ZONE SIGNS (STATIONARY)	208,000	LF	POLYUREA PAVEMENT MARKING LINES (**", *** MILS) (4", 30 MILS)
624	SF	WORK ZONE SIGNS (PORTABLE)	6,000	LF	POLYUREA PAVEMENT MARKING LINES (**", *** MILS) (6", 30 MILS)
300	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)	28,000	LF	POLYUREA PAVEMENT MARKING LINES (**", *** MILS) (8", 30 MILS)
4	EA	FLASHING ARROW BOARD	8	EA	IN LANE ROUTE SHIELDS
6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	11,500	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,100	EA	DRUMS	50	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
50	EA	SEQUENTIAL FLASHING WARNING LIGHTS	780	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
150	EA	CONES	125	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
720	LF	BARRICADES (TYPE III)	21	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
1,380	DAY	FLAGGER	60	LF	GENERIC PAVEMENT MARKING ITEM YIELD LINE THERMOPLASTIC PAVEMENT MARKING (24", 90 MILS)
13	EA	TEMPORARY CRASH CUSHIONS	30	EA	PERMANENT RAISED PAVEMENT MARKERS
10	EA	REMOVE & RESET TEMPORARY CRASH CUSHION	4	EA	100' HIGH MOUNT STANDARD
3,800	LF	PORTABLE CONCRETE BARRIER	1	EA	PORTABLE DRIVE UNIT
2,500	LF	PORTABLE CONCRETE BARRIER (ANCHORED)	25	CY	HIGH MOUNT FOUNDATIONS
2,500	LF	REMOVE AND RESET PORTABLE CONCRETE BARRIER	24	EA	HIGH MOUNT LUMINAIRES ***** (560W LED)
3,800	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER (ANCHORED)	12	EA	LIGHT STANDARDS, TYPE MLT ***** (45' SA, 15' ARM)
1,080	HR	LAW ENFORCEMENT	10	EA	STANDARD FOUNDATION ***** (TYPE R1)
80	LF	GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN CHANNELIZING DEVICES	2	EA	STANDARD FOUNDATION ***** (TYPE R2)
256	SF	GENERIC TRAFFIC CONTROL ITEM HIGH VISIBILITY PORTABLE SIGNS	12	EA	LIGHT STANDARD LUMINAIRES, TYPE ***** (RDW, 285W LED)
8	EA	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	1	EA	ELECTRIC SERVICE POLE ***** (30' CLASS 4)
2	EA	GENERIC TRAFFIC CONTROL ITEM CONNECTED LANE CLOSURE SYSTEM	25	LF	ELECTRIC SERVICE LATERAL ***** (3 #1/0 USE)
150	EA	GENERIC TRAFFIC CONTROL ITEM HIGH VISIBILITY DRUMS	1	EA	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 V)
			595	LF	ELECTRICAL DUCT, TYPE **, SIZE ***** (TL, 3")

160	LF	ELECTRICAL DUCT, TYPE **, SIZE ***** (TL, 4")	13	EA	FIRE HYDRANT
190	LF	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	40	EA	RELOCATE FIRE HYDRANT
20	LF	** #8 W/G FEEDER CIRCUIT (2)	205	LF	FIRE HYDRANT LEG
200	LF	** #4 W/G FEEDER CIRCUIT (2)	139	LF	*** WATER SERVICE LINE (2")
4,943	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")	30	LF	*** WATER SERVICE LINE (8")
2,025	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")	673	LF	WATER SERVICE LINE
1	EA	ELECTRICAL JUNCTION BOXES ***** (CS36)	898	LF	8" SANITARY GRAVITY SEWER
4	EA	ELECTRICAL JUNCTION BOXES ***** (HM18)	5,878	LF	*** FORCE MAIN SEWER (3")
9	EA	ELECTRICAL JUNCTION BOXES ***** (IG18)	5,299	LF	4" FORCE MAIN SEWER
2	EA	ELECTRICAL JUNCTION BOXES ***** (IG36)	3,088	LF	6" FORCE MAIN SEWER
12	EA	ELECTRICAL JUNCTION BOXES ***** (LS18)	165	LF	8" FORCE MAIN SEWER
Lump Sum	LS	PORTABLE LIGHTING	298	LF	SEWER SERVICE LINE
4	EA	GENERIC LIGHTING ITEM REMOVE 100' HIGH MAST STANDARD	6,900	LB	DUCTILE IRON SEWER PIPE FITTINGS
4	EA	GENERIC LIGHTING ITEM REMOVE 100' HIGH MAST STANDARD FOUNDATION	1	EA	UTILITY VAULT
1	EA	GENERIC LIGHTING ITEM REMOVE CONTROL SYSTEM - DISPOSE	7	EA	5' DIA UTILITY MANHOLE
12	EA	GENERIC LIGHTING ITEM REMOVE LIGHT STANDARD FOUNDATION	101.64	LF	UTILITY MANHOLE WALL 4' DIA
12	EA	GENERIC LIGHTING ITEM REMOVE SINGLE ARM LIGHT STANDARD - DISPOSE	9,180	LF	ABANDON 8" UTILITY PIPE
1,872	LF	6" WATER LINE	3,535	LF	ABANDON 12" UTILITY PIPE
7,382	LF	8" WATER LINE	8,404	LF	ABANDON 16" UTILITY PIPE
4,670	LF	12" WATER LINE	1	EA	REMOVE WATER METER
10,212	LF	16" WATER LINE	12	EA	REMOVE FIRE HYDRANT
88,000	LB	DUCTILE IRON WATER PIPE FITTINGS	2	EA	ABANDON UTILITY MANHOLE
20	EA	6" VALVE	350	LF	*** ENCASEMENT PIPE (10")
10	EA	8" VALVE	140	LF	12" ENCASEMENT PIPE
2	EA	12" VALVE	650	LF	16" ENCASEMENT PIPE
5	EA	16" VALVE	337	LF	20" ENCASEMENT PIPE
5	EA	*** PLUG VALVE (3")	100	LF	24" ENCASEMENT PIPE
4	EA	*** PLUG VALVE (4")	100	LF	30" ENCASEMENT PIPE
4	EA	*** PLUG VALVE (6")	350	LF	BORE AND JACK OF *** (10")
4	EA	*** PLUG VALVE (8")	140	LF	BORE AND JACK OF *** (12")
2	EA	6" TAPPING SLEEVE & VALVE	650	LF	BORE AND JACK OF *** (16")
10	EA	8" TAPPING SLEEVE & VALVE	337	LF	BORE AND JACK OF *** (20")
23	EA	12" TAPPING SLEEVE & VALVE	100	LF	BORE AND JACK OF *** (24")
13	EA	16" TAPPING SLEEVE & VALVE	100	LF	BORE AND JACK OF *** (30")
6	EA	2" AIR RELEASE VALVE	1	EA	GENERIC UTILITY ITEM 3" CHECK VALVE
3	EA	2" BLOW OFF	1	EA	GENERIC UTILITY ITEM 6" FP BACKFLOW PREVENTOR ASSEMBLY
1	EA	3/4" WATER METER	1	EA	GENERIC UTILITY ITEM 8" RPDA BACKFLOW PREVENTION ASSEMBLY
1	EA	8" WATER METER	1	EA	GENERIC UTILITY ITEM ABANDON BACKFLOW PREVENTOR
123	EA	RELOCATE WATER METER	33	EA	GENERIC UTILITY ITEM CIPP LINING EXISTING UTILITY MANHOLE
1	EA	*** DCV BACKFLOW PREVENTION ASSEMBLY (1")	1	EA	GENERIC UTILITY ITEM FLUSH VALVE
1	EA	2" DCV BACKFLOW PREVENTION ASSEMBLY	8,439	LF	GENERIC UTILITY ITEM CIPP LINING
1	EA	4" DCV BACKFLOW PREVENTION ASSEMBLY	82,220	LF	TEMPORARY SILT FENCE
24	EA	*** RPZ BACKFLOW PREVENTION ASSEMBLY (1")	8,170	TON	STONE FOR EROSION CONTROL, CLASS A
9	EA	*** RPZ BACKFLOW PREVENTION ASSEMBLY (1-1/2")	20,680	TON	STONE FOR EROSION CONTROL, CLASS B
21	EA	*** RPZ BACKFLOW PREVENTION ASSEMBLY (3/4")	21,235	TON	SEDIMENT CONTROL STONE
6	EA	2" RPZ BACKFLOW PREVENTION ASSEMBLY	130	ACR	TEMPORARY MULCHING
2	EA	8" RPZ BACKFLOW PREVENTION ASSEMBLY	7,500	LB	SEED FOR TEMPORARY SEEDING
			39.5	TON	FERTILIZER FOR TEMPORARY SEEDING
			4,795	LF	TEMPORARY SLOPE DRAINS
			12,900	LF	SAFETY FENCE
			529,080	CY	SILT EXCAVATION
			376,345	SY	MATTING FOR EROSION CONTROL
			345	SY	COIR FIBER MAT
			48,585	LF	1/4" HARDWARE CLOTH
			2,300	SY	LOW PERMEABILITY GEOTEXTILE
			50	LF	TEMPORARY PIPE FOR STREAM CROSSING
			5,685	SY	FLOATING TURBIDITY CURTAIN

42	EA	SPECIAL STILLING BASINS	27,420	LF	COMMUNICATIONS CABLE (** FIBER) (48)
5,210	LB	FLOCCULANT	13,950	LF	DROP CABLE
600	LF	COIR FIBER WATTLE	22	EA	SPLICE ENCLOSURE
320	LF	COIR FIBER WATTLE BARRIER	35	EA	INTERCONNECT CENTER
6,445	LF	COIR FIBER BAFFLE	59	EA	DELINEATOR MARKER
18	EA	*** SKIMMER (1-1/2")	16	EA	METAL STRAIN SIGNAL POLE
5	EA	*** SKIMMER (2")	36	EA	METAL POLE WITH SINGLE MAST ARM
4	EA	*** SKIMMER (2-1/2")	7	EA	METAL POLE WITH DUAL MAST ARM
2	EA	*** SKIMMER (3")	59	EA	SOIL TEST
2	EA	*** SKIMMER (4")	354	CY	DRILLED PIER FOUNDATION
130	ACR	SEEDING & MULCHING	3	EA	METAL STRAIN POLE DESIGN
65	ACR	MOWING	43	EA	MAST ARM WITH METAL POLE DESIGN
1,600	LB	SEED FOR REPAIR SEEDING	220	EA	SIGN FOR SIGNALS
4.75	TON	FERTILIZER FOR REPAIR SEEDING	13	EA	TYPE I POST WITH FOUNDATION
2,950	LB	SEED FOR SUPPLEMENTAL SEEDING	107	EA	TYPE II PEDESTAL WITH FOUNDATION
840	SY	SODDING	35	EA	SIGNAL CABINET FOUNDATION
30	M/G	WATER	35	EA	CONTROLLERS WITH CABINET (***** (2070LX, BASE MOUNTED)
88.25	TON	FERTILIZER TOPDRESSING	181	EA	DETECTOR CARD (TYPE 170)
87	LF	IMPERVIOUS DIKE	35	EA	CABINET BASE EXTENDER
60	MHR	SPECIALIZED HAND MOWING	11	EA	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY
62	MHR	MANUAL LITTER REMOVAL	35	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
10	TON	LITTER DISPOSAL	100	EA	GENERIC SIGNAL ITEM LUMINAIRE ARM FOR TEMPORARY VIDEO SYSTEM
100	EA	RESPONSE FOR EROSION CONTROL	2	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES
55	EA	CONCRETE WASHOUT STRUCTURE	67	EA	GENERIC SIGNAL ITEM RELOCATE TEMPORARY CAMERA SENSOR UNIT
1.5	ACR	REFORESTATION			***** BEGIN SCHEDULE AA*****
1,584	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION CLEANOUT			***** ( 5 ALTERNATES ) *****
528	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE, TYPE 1			
475	SY	GENERIC EROSION CONTROL ITEM PERMANENT SOIL REINFORCEMENT MAT, TYPE 2			
96	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	4,350	EA	GENERIC PAVEMENT MARKING ITEM 10' INLAID PAVEMENT MARKINGS
90,430	LF	SIGNAL CABLE			*** OR ***
509	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)	4,350	EA	GENERIC PAVEMENT MARKING ITEM 10' RUMBLE SKIPS
52	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)			*** OR ***
18	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)			
24	EA	LOUVER	4,350	EA	GENERIC PAVEMENT MARKING ITEM INLAID CRADLE MARKERS
24,180	LF	MESSENGER CABLE (1/4")			*** OR ***
16,030	LF	MESSENGER CABLE (3/8")	4,350	EA	GENERIC PAVEMENT MARKING ITEM INLAID RAISED PAVEMENT MARKERS
4,780	LF	TRACER WIRE			*** OR ***
200	LF	PAVED TRENCHING (***** (2, 2")	4,350	EA	GENERIC PAVEMENT MARKING ITEM POLYCARBONATE H-SHAPED MARKERS
17,140	LF	UNPAVED TRENCHING (***** (1, 2")			*** END SCHEDULE AA***
4,170	LF	UNPAVED TRENCHING (***** (2, 2")			
350	LF	UNPAVED TRENCHING FOR TEMPORARY LEAD-IN			CULVERT ITEMS
8,450	LF	DIRECTIONAL DRILL (***** (2, 2")	Lump Sum	LS	BOX CULVERT EXCAVATION, STA ***** (783+89.30 -L-)
1,950	LF	DIRECTIONAL DRILL (***** (3, 2")	48	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
100	LF	DIRECTIONAL DRILL (***** (4, 2")	53.9	CY	CLASS A CONCRETE (CULVERT)
287	EA	JUNCTION BOX (STANDARD SIZE)	5,945	LB	REINFORCING STEEL (CULVERT)
110	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)			WALL ITEMS
81	EA	WOOD POLE	2,103	SF	MSE RETAINING WALL NO ***** (24)
190	EA	GUY ASSEMBLY	1,358	SF	MSE RETAINING WALL NO ***** (25)
35	EA	1" RISER WITH WEATHERHEAD	2,165	SF	MSE RETAINING WALL NO ***** (W1)
35	EA	2" RISER WITH WEATHERHEAD	905	SF	MSE RETAINING WALL NO ***** (W13)
34	EA	2" RISER WITH HEAT SHRINK TUBING	1,269	SF	MSE RETAINING WALL NO ***** (W14)
24,330	LF	INDUCTIVE LOOP SAWCUT			MSE RETAINING WALL NO ***** (W15)
89,980	LF	LEAD-IN CABLE (14-2)	716	SF	MSE RETAINING WALL NO ***** (W17)
39	EA	SITE SURVEY	1,197	SF	MSE RETAINING WALL NO ***** (W19)
97	EA	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT			
37	EA	EXTERNAL LOOP EMULATOR PROCESSING UNIT	950	SF	

3,298	SF	MSE RETAINING WALL NO **** (W2)	8,040	LF	HP 12 X 53 STEEL PILES
678	SF	MSE RETAINING WALL NO **** (W20)	1,592.78	LF	TWO BAR METAL RAIL
873	SF	MSE RETAINING WALL NO **** (W21)	1,237.75	LF	CONCRETE BARRIER RAIL
214	SF	MSE RETAINING WALL NO **** (W22)	1,268.75	LF	VERTICAL CONCRETE BARRIER RAIL
2,286	SF	MSE RETAINING WALL NO **** (W26)	1,267.75	LF	1'-**" X ****" CONCRETE PARAPET (1'-2" X 2'-6")
132	SF	MSE RETAINING WALL NO **** (W27)	347.96	LF	1'-**" X ****" CONCRETE PARAPET (1'-2" X 3'-3")
687	SF	MSE RETAINING WALL NO **** (W29)	140.6	SY	4" SLOPE PROTECTION
2,599	SF	MSE RETAINING WALL NO **** (W3)	1,171	TON	RIP RAP CLASS II (2'-0" THICK)
487	SF	MSE RETAINING WALL NO **** (W30)	1,300	SY	GEOTEXTILE FOR DRAINAGE
1,095	SF	MSE RETAINING WALL NO **** (W31)	Lump Sum	LS	ELASTOMERIC BEARINGS
206	SF	MSE RETAINING WALL NO **** (W32)	Lump Sum	LS	EXPANSION JOINT SEALS
1,452	SF	MSE RETAINING WALL NO **** (W33)	Lump Sum	LS	GENERIC STRUCTURE ITEM 16" WATER LINE PIPE & SUSPENSION SYSTEM
4,805	SF	MSE RETAINING WALL NO **** (W35)	8,502.08	LF	GENERIC STRUCTURE ITEM MODIFIED 74" PRESTRESSED CONCRETE GIRDERS
5,850	SF	MSE RETAINING WALL NO **** (W36)	24	EA	GENERIC STRUCTURE ITEM THERMAL INTEGRITY PROFILER
366	SF	MSE RETAINING WALL NO **** (W37)			
564	SF	MSE RETAINING WALL NO **** (W39)			
759	SF	MSE RETAINING WALL NO **** (W4)			
988	SF	MSE RETAINING WALL NO **** (W40)			
1,078	SF	MSE RETAINING WALL NO **** (W41)			
2,863	SF	MSE RETAINING WALL NO **** (W42)			
419	SF	MSE RETAINING WALL NO **** (W45)			
667	SF	MSE RETAINING WALL NO **** (W46)			
2,937	SF	MSE RETAINING WALL NO **** (W5)			
6,631	SF	SOLDIER PILE RETAINING WALLS			
3,402	SF	PRECAST GRAVITY RETAINING WALLS			
		<b>STRUCTURE ITEMS</b>			
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (471+85.00 -L-)			
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (733+32.53 -L-)			
Lump Sum	LS	ASBESTOS ASSESSMENT			
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT NO ** AT STATION ***** (1, 733+32.53 -L-)			
800	LF	**'***" DIA DRILLED PIERS (3'-6")			
1,743.6	LF	**'***" DIA DRILLED PIERS (8'-0")			
1,417.5	LF	PERMANENT STEEL CASING FOR **'***" DIA DRILLED PIER (8'-0")			
465.6	LF	PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER			
24	EA	SID INSPECTIONS			
24	EA	CSL TESTING			
27,886	SF	REINFORCED CONCRETE DECK SLAB			
66,964	SF	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONCRETE)			
74,297	SF	GROOVING BRIDGE FLOORS			
1,502.6	CY	CLASS A CONCRETE (BRIDGE)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (471+85.00 -L-)			
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (733+32.53 -L-)			
904,717	LB	REINFORCING STEEL (BRIDGE)			
121,502	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)			
3,106.5	LF	54" PRESTRESSED CONCRETE GIRDERS			
94	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)			