



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 20, 2018

NOTICE TO: All Prequalified Contractors

FROM: Ronald E Davenport, PE
State Contract Officer

DocuSigned by:
Ronald E. Davenport, Jr.
F81B6038A47A442...

SUBJECT: Combined Contract Goal for MBE/WBE Participation on State-Funded Projects

Effective April 1, 2018, all state funded contracts will be advertised with one combined goal that is comprised of both the MBE and WBE participation anticipated for the project. The **Combined MBE/WBE Goal** may be met with all MBE or WBE participation, or any combination of MBE and WBE participation.

When entering this information in Expedite Bid, users will not see the words "Combined MBE/WBE" in which to enter their participation value, but will enter the value under "DBE".

For assistance in participation entry in Expedite, please contact Ms. Jaci Kincaid at 919-707-6920 or jakincaid@ncdot.gov.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONSTRUCTION UNIT
1543 MAIL SERVICE CENTER
RALEIGH, NC 27699-1543

Telephone: (919) 707-2400
Fax: (919) 733-8441
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
TRANSPORTATION BUILDING
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27601



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

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SECRETARY

December 7, 2017

To Whom It May Concern:

In an effort to maximize transparency and competition on Department projects, starting January 1, 2018, NCDOT will make all requests for plans or proposals for purposes of bidding public. NCDOT will no longer give the option of the name being withheld from the Planholder's list. This change is reflected in the Section 102-3 of the 2018 Standard Specifications for Roads and Structures that will be effective January 1, 2018.

Sincerely,

A handwritten signature in black ink, appearing to read "R. E. Davenport".

Ronald E. Davenport, PE
State Contract Officer

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

November 15, 2017

NOTICE TO: All Prequalified Contractors

FROM: Carl Barclay, PE 
State Utilities Manager

SUBJECT: Design and Certification of Trenchless Installations (all methods)

Through the AGC/NCDOT Roadway Subcommittee, it has been determined there is little consistency with the enforcement of this requirement. This has resulted in some Contractors not accounting for this expense in their bid. In an effort to improve consistency and fairness among bidders, the Department will enforce this longstanding requirement of the North Carolina Board of Examiners for Engineers and Land Surveyors and NC GS Chapter 89C.

Effective with the January 2018 letting, there will be a renewed effort of enforcement of Articles 1550-1 and 1550-3(B) of the *Standard Specifications for Roads and Structures*, Section 1550-1 requires:

An engineer licensed by the State of North Carolina shall design the method and certify the work will not damage the roadway above or endanger the roadway user.

Article 1550-3(B) requires:

Before construction, provide detailed plans for the method of installation certified by an engineer licensed by the State of North Carolina. Provide certified calculations demonstrating the method of installation as safe and of minimal risk. Provide certified calculations of the structural adequacy of all materials. The design shall meet AASHTO LRFD Bridge Design Specifications. An engineer licensed by the State of North Carolina shall certify changes or modifications to the designed method as needed for actual field conditions.

If you have any questions, please do not hesitate to contact me at cbarclay@ncdot.gov or (919) 707-6982.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
UTILITIES UNIT
1555 MAIL SERVICE CENTER
RALEIGH NC 27699-1555

TELEPHONE: 919-707-6690
FAX: 919-250-4151
CUSTOMER SERVICE: 1-877-368-4968

WEBSITE: WWW.NCDOT.GOV

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

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

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON JANUARY 15, 2019 . NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

1. THE BIDDER SHALL PURCHASE A PROPOSAL FOR EACH PROJECT FOR WHICH HE INTENDS TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID.
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, DEBARMENT AND GIFT BAN CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS 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>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE ADDRESSED TO THE STATE CONTRACT OFFICER AT 919-707-6900.

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 CONTRACTORS LICENSE SHALL BE OBTAINED WITHIN 60 DAYS OF BID OPENING. 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).

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 CONTRACTUAL SERVICES MANAGEMENT SECTION OF THE CONTRACT STANDARDS AND DEVELOPMENT UNIT, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . 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 WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C., 27610. 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 6.75% 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 DECEMBER 18, 2018.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 08 Nov 2017)

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	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-1850
00002	R. Preston Hunter, PE	PO BOX 1587	GREENVILLE	(252) 439-2800
00003	Karen Eason Collette, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	Ronald L Keeter, Jr., PE	PO BOX 3165	WILSON	(252) 237-6164
00005	Joseph R Hopkins, PE	2612 NORTH DUKE STREET	DURHAM	(919) 220-4600
00006	Gregory W Burns, PE	PO BOX 1150	FAYETTEVILLE	(910) 486-1493
00007	James M Mills, PE	PO BOX 14996	GREENSBORO	(336) 487-0000
00008	Brandon H Jones, PE	902 N. SANDHILLS BLVD.	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 747-7800
00010	J. Scott Cole, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 903-9101
00012	Mark E Stafford, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILLE	(828) 251-6171
00014	Brian C Burch, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L190115

RPN	Contract Id	WBS	County	Length	JobType
001	C204280	2020CPT.05.12.10391.1 ETC.	GRANVILLE	35.610 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
002	C204279	2020CPT.05.14.10921.1 ETC.	WAKE	28.780 MI	MILLING, RESURFACING, AND SHOULDER GRADING.
003	C204285	45632.3.1	GRANVILLE	0.146 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
004	*C204270	17BP.5.C.02 ETC.	DURHAM	0.142 MI	GRADING, PAVING, AND DRAINAGE.
005	C204277	53074.3.1	WAKE	0.612 MI	GRADING, DRAINAGE, PAVING, SIGNALS, AND BRIDGE REHAB.
006	C204241	50466.3.1	DAVIE	6.551 MI	GRADING, DRAINAGE, STRUCTURES, PAVEMENT REHAB & BRIDGE PRES.
007	C204235	15BPR.32	WATAUGA, AVERY	0.032 MI	CULVERT PRESERVATION
008	C204287	2019CPT.12.01.10231 ETC.	CLEVELAND	38.070 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
009	C204292	2019CPT.12.05.10181 ETC.	CATAWBA	40.289 MI	WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
010	C204288	2020CPT.13.01.10111 ETC.	BUNCOMBE	98.430 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
011	C204289	2020CPT.13.02.10121 ETC.	BURKE	67.831 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
012	C204290	2020CPT.13.06.10811 ETC.	RUTHERFORD	67.930 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
013	C204242	46410.3.1	BUNCOMBE	12.696 MI	PAVEMENT REHABILITATION AND BRIDGE PRESERVATION.

Bid Letting Number L190219

RPN	Contract Id	WBS	County	Length	JobType
001	*C204177	34360.3.4	CARTERET, CRAVEN	10.353 MI	GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

*C204270 DURHAM COUNTY - MANDATORY PREBID MEETING - THURSDAY JANUARY 3, 2019
 10:00 AM - 2:00 PM AT NCDOT DIVISION 5 OFFICE - 2612 N. DUKE ST. DURHAM, NC -
 (919) 220-6400

*C204177 CARTERET, CRAVEN COUNTY - MANDATORY PREBID MEETING - WEDNESDAY
 JANUARY 16, 2019 1:30 PM - 5:30 PM AT NCDOT DIVISION 2 OFFICE - 2815 ROUSE ROAD
 EXTENSION KINSTON, NC - (252) 775-6100

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 001

CONTRACT ID : C204280 2020CPT.05.12.10391.1 DIV OFFICE DURHAM

LENGTH = 35.610 MI

COUNTY : GRANVILLE

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 8.0% COMPLETION DATE : JUN 30 2020

1 SECTION OF NC-50, 1 SECTION OF NC-56, AND 13 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
809	CY	BORROW EXCAVATION
71.1	SMI	GENERIC GRADING ITEM
		SHOULDER GRADING
1,789	TON	INCIDENTAL STONE BASE
5,079	TON	AGGREGATE SHOULDER BORROW
2,864	SY	MILLING ASPHALT PAVEMENT, ***"
		DEPTH
		(1-1/2")
16,200	SY	INCIDENTAL MILLING
23,102	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B
1,565	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5B (LEVELING COURSE)
12,622	TON	ASPHALT CONC SURFACE COURSE,
		TYPE S9.5C
2,409	TON	ASPHALT BINDER FOR PLANT MIX
4,520	TON	PATCHING EXISTING PAVEMENT
3,031	SF	WORK ZONE ADVANCE/GENERAL
		WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
381,981	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (4", 90 MILS)
368,490	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (4", 120 MILS)
407	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (8", 90 MILS)
50	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (16", 120 MILS)
923	LF	THERMOPLASTIC PAVEMENT MARKING
		LINES (24", 120 MILS)
26	EA	THERMOPLASTIC PAVEMENT MARKING
		CHARACTER (120 MILS)
42	EA	THERMOPLASTIC PAVEMENT MARKING
		SYMBOL (90 MILS)
650	LF	COLD APPLIED PLASTIC PAVEMENT
		MARKING LINES, TYPE ** (4")
		(II)
650	LF	REMOVAL OF PAVEMENT MARKING
		LINES (4")
794	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,174	LF	TEMPORARY SILT FENCE
3,010	LF	WATTLE
11.74	ACR	SEEDING & MULCHING
1,674	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 002

CONTRACT ID : C204279 2020CPT.05.14.10921.1 DIV OFFICE DURHAM

LENGTH = 28.780 MI

COUNTY : WAKE

MILLING, RESURFACING, AND SHOULDER GRADING.

DBE GOAL 9.0% COMPLETION DATE : JUN 30 2020

1 SECTION OF NC-39, US-264A, AND US-64, AND 82 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION	5,256	LF	INDUCTIVE LOOP SAWCUT
1,839	CY	BORROW EXCAVATION			
47.8	SMI	GENERIC GRADING ITEM SHOULDER GRADING			
1,209	TON	INCIDENTAL STONE BASE			
949	TON	AGGREGATE SHOULDER BORROW			
165,615	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
97,185	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/4")			
11,100	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (3/4")			
1,520	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")			
939	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/4")			
6,862	SY	INCIDENTAL MILLING			
1,842	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
34,252	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B			
2,381	TON	ASPHALT BINDER FOR PLANT MIX			
18	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX			
292	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED			
3,027	TON	PATCHING EXISTING PAVEMENT			
49	EA	ADJUSTMENT OF MANHOLES			
30	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES			
3,520	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING			
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL			
480	HR	LAW ENFORCEMENT			
78,194	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)			
99,201	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)			
4,297	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)			
1,904	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)			
370	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)			
2,166	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)			
1,021	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)			
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)			
4,384	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)			
70	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)			
155	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)			
71,434	LF	PAINT PAVEMENT MARKING LINES (4")			
2,166	LF	PAINT PAVEMENT MARKING LINES (8")			
4,268	LF	PAINT PAVEMENT MARKING LINES (24")			
50	EA	PAINT PAVEMENT MARKING CHARAC- TER			
107	EA	PAINT PAVEMENT MARKING SYMBOL			
330	EA	SNOWPLOWABLE PAVEMENT MARKERS			
2,664	LF	TEMPORARY SILT FENCE			
6,920	LF	WATTLE			
26.64	ACR	SEEDING & MULCHING			

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 003

CONTRACT ID : C204285 45632.3.1

DIV OFFICE DURHAM

LENGTH = 0.146 MI

COUNTY : GRANVILLE

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 5.0% COMPLETION DATE : MAR 13 2020

BRIDGE NO. 42 OVER LEDGE CREEK ON SR-1724 NORTHSIDE ROAD.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	TYPE II MODIFIED APPROACH FILL, STATION ***** (15+23.00 -L-)
Lump Sum	LS	GRADING
	1	ACR SUPPLEMENTARY CLEARING & GRUB- BING
	150	CY UNDERCUT EXCAVATION
	50	CY SELECT GRANULAR MATERIAL
	200	SY GEOTEXTILE FOR SOIL STABILIZA- TION
	10	TON FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES
	20	SY FOUNDATION CONDITIONING GEO- TEXTILE
	20	LF 15" DRAINAGE PIPE
	32	LF 15" RC PIPE CULVERTS, CLASS IV
	25	TON INCIDENTAL STONE BASE
	415	TON ASPHALT CONC BASE COURSE, TYPE B25.0C
	410	TON ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
	405	TON ASPHALT CONC SURFACE COURSE, TYPE S9.5C
	65	TON ASPHALT BINDER FOR PLANT MIX
	11	EA RIGHT-OF-WAY MARKERS
	2	EA MASONRY DRAINAGE STRUCTURES
	2	EA FRAME WITH TWO GRATES, STD 840.29
	35	LF SHOULDER BERM GUTTER
	112.5	LF STEEL BEAM GUARDRAIL
	5	EA ADDITIONAL GUARDRAIL POSTS
	4	EA GUARDRAIL ANCHOR UNITS, TYPE III
	4	EA GUARDRAIL END UNITS, TYPE TL-2
	660	LF REMOVE EXISTING GUARDRAIL
	100	TON RIP RAP, CLASS II
	185	TON RIP RAP, CLASS B
	910	SY GEOTEXTILE FOR DRAINAGE
	454	SF WORK ZONE SIGNS (STATIONARY)
	94	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
	28	DAY PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
	80	LF BARRICADES (TYPE III)
	1,300	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
	1,300	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
	1,095	LF TEMPORARY SILT FENCE
	75	TON STONE FOR EROSION CONTROL, CLASS A
	80	TON STONE FOR EROSION CONTROL, CLASS B
	200	TON SEDIMENT CONTROL STONE
	0.5	ACR TEMPORARY MULCHING
	100	LB SEED FOR TEMPORARY SEEDING
	0.5	TON FERTILIZER FOR TEMPORARY SEED- ING
	200	LF TEMPORARY SLOPE DRAINS
	200	LF SAFETY FENCE
	70	CY SILT EXCAVATION
	6,265	SY MATTING FOR EROSION CONTROL
	500	SY COIR FIBER MAT
	330	LF 1/4" HARDWARE CLOTH
	215	SY FLOATING TURBIDITY CURTAIN
	6	EA SPECIAL STILLING BASINS
	70	LF COIR FIBER WATTLE
	10	LB POLYACRYLAMIDE (PAM)
	0.5	ACR SEEDING & MULCHING
	0.5	ACR MOWING
	50	LB SEED FOR REPAIR SEEDING
	0.25	TON FERTILIZER FOR REPAIR SEEDING

50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.5	TON	FERTILIZER TOPDRESSING
120	LF	IMPERVIOUS DIKE
10	MHR	SPECIALIZED HAND MOWING
13	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (15+23.00 -L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+23.00 -L-)
Lump Sum	LS	ASBESTOS ASSESSMENT
	48	LF 3'-0" DIA DRILLED PIERS IN SOIL
	30	LF 3'-0" DIA DRILLED PIERS NOT IN SOIL
	53.7	LF PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
	1	EA SID INSPECTIONS
	1	EA CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (15+23.00 -L-)
	58.1	CY CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (15+23.00 -L-)
	13,942	LB REINFORCING STEEL (BRIDGE)
	1,553	LB SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
	14	EA PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)
	265	LF HP12X53 STEEL PILES
	225.25	LF TWO BAR METAL RAIL
	240	LF 1'-8"X ***** CONCRETE PARA- PET (1'-2" X 2'-9 1/2")
	230	TON RIP RAP CLASS II (2'-0" THICK)
	255	SY GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
	1,320	LF 3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 004

CONTRACT ID : C204270 17BP.5.C.02

DIV OFFICE DURHAM

LENGTH = 0.142 MI

COUNTY : DURHAM

GRADING, PAVING, AND DRAINAGE.

DBE GOAL 8.0% COMPLETION DATE : MAY 01 2020

INTERSECTION IMPROVEMENTS (ROUNDAABOUT) AT NC-751 HOPE VALLEY ROAD, AND SR-1183 UNIVERSITY DRIVE IN DURHAM.

ROADWAY ITEMS					
			150	LF	GENERIC FENCING ITEM TEMPORARY 72" CHAIN LINK FENCE WITH POSTS
			55	TON	RIP RAP, CLASS II
			10	TON	RIP RAP, CLASS B
Lump Sum	LS	MOBILIZATION	440	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	CONSTRUCTION SURVEYING	543	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
Lump Sum	LS	GRADING	2	EA	SIGN ERECTION, TYPE D
1	ACR	SUPPLEMENTARY CLEARING & GRUB- BING	37	EA	SIGN ERECTION, TYPE E
530	SF	TEMPORARY SHORING	8	EA	SIGN ERECTION, TYPE F
190	TON	FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES	13	EA	DISPOSAL OF SIGN SYSTEM, U- CHANNEL
570	SY	FOUNDATION CONDITIONING GEO- TEXTILE	1	EA	DISPOSAL OF SIGN SYSTEM, WOOD
104	LF	15" DRAINAGE PIPE	1,376	SF	WORK ZONE SIGNS (STATIONARY)
188	LF	18" DRAINAGE PIPE	394	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
36	LF	24" DRAINAGE PIPE	3	EA	PORTABLE CHANGEABLE MESSAGE SIGN
8	LF	24" RC PIPE CULVERTS, CLASS III	28	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
1,324	LF	15" RC PIPE CULVERTS, CLASS IV	65	EA	DRUMS
265	LF	PIPE REMOVAL	320	LF	BARRICADES (TYPE III)
4	EA	PIPE CLEAN OUT	1,822	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
430	TON	#57 STONE	2,082	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
150	CY	SHALLOW UNDERCUT	285	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
300	TON	CLASS IV SUBGRADE STABILIZA- TION	100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
222	TON	AGGREGATE BASE COURSE	87	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)
50	TON	INCIDENTAL STONE BASE	421	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
175	LF	DITCHING	29	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
300	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	12	EA	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
770	SY	INCIDENTAL MILLING	19	EA	PERMANENT RAISED PAVEMENT MARKERS
1,360	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	545	LF	8" WATER LINE
880	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0C	681	LF	12" WATER LINE
1,290	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	4,750	LB	DUCTILE IRON WATER PIPE FITTINGS
195	TON	ASPHALT BINDER FOR PLANT MIX	1	EA	6" VALVE
80	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	2	EA	8" VALVE
25	EA	MASONRY DRAINAGE STRUCTURES	2	EA	12" VALVE
14.8	CY	MASONRY DRAINAGE STRUCTURES	5	EA	RELOCATE WATER METER
3.2	LF	MASONRY DRAINAGE STRUCTURES	1	EA	RECONNECT WATER METER
1	EA	FRAME WITH GRATE, STD 840.29	1	EA	FIRE HYDRANT
8	EA	FRAME WITH TWO GRATES, STD 840.24	10	LF	FIRE HYDRANT LEG
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	40	LF	*** WATER SERVICE LINE (1/2")
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	87	LF	WATER SERVICE LINE
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE **	347	LF	8" SANITARY GRAVITY SEWER
1	EA	FRAME WITH COVER, STD 840.54	1	EA	SANITARY SEWER CLEAN-OUT
2	EA	STEEL FRAME WITH TWO GRATES, STD 840.37	20	LF	SEWER SERVICE LINE
1,675	LF	2'-6" CONCRETE CURB & GUTTER	325	LB	DUCTILE IRON SEWER PIPE FITTINGS
1,390	SY	4" CONCRETE SIDEWALK	4	EA	4' DIA UTILITY MANHOLE
24	EA	CONCRETE CURB RAMPS	6	LF	UTILITY MANHOLE WALL 4' DIA
210	SY	6" CONCRETE DRIVEWAY	287	LF	ABANDON 6" UTILITY PIPE
140	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	691	LF	ABANDON 8" UTILITY PIPE
75	SY	*** MONOLITHIC CONCRETE MEDIAN (*****) (4", MOUNTABLE)	653	LF	ABANDON 12" UTILITY PIPE
320	SY	GENERIC PAVING ITEM 8" JOINTED CONCRETE TRUCK APRON	1	EA	REMOVE FIRE HYDRANT
210	LF	GENERIC PAVING ITEM 2" ROLLED CONCRETE CURB	1	EA	REMOVE UTILITY MANHOLE
3	EA	ADJUSTMENT OF MANHOLES	2	EA	GENERIC UTILITY ITEM 12" INSERTION VALVE ASSEMBLY
25	LF	STEEL BEAM GUARDRAIL	1	EA	GENERIC UTILITY ITEM 8" SSMH EXTERIOR DROP CONNECTION
5	EA	ADDITIONAL GUARDRAIL POSTS	34	LF	GENERIC UTILITY ITEM 8" LINED DIP SANITARY GRAVITY SEWER
2	EA	GUARDRAIL END UNITS, TYPE TL-3	Lump Sum	LS	GENERIC UTILITY ITEM TEMPORARY PUMP AROUND FOR SS
			1,835	LF	TEMPORARY SILT FENCE

225	TON	STONE FOR EROSION CONTROL, CLASS A
195	TON	STONE FOR EROSION CONTROL, CLASS B
310	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
200	LB	SEED FOR TEMPORARY SEEDING
1	TON	FERTILIZER FOR TEMPORARY SEED- ING
400	LF	TEMPORARY SLOPE DRAINS
290	CY	SILT EXCAVATION
10,485	SY	MATTING FOR EROSION CONTROL
235	SY	PERMANENT SOIL REINFORCEMENT MAT
875	LF	1/4" HARDWARE CLOTH
1	EA	SPECIAL STILLING BASINS
80	LF	COIR FIBER WATTLE
20	LB	POLYACRYLAMIDE (PAM)
3.5	ACR	SEEDING & MULCHING
3.5	ACR	MOWING
100	LB	SEED FOR REPAIR SEEDING
0.5	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
100	LF	IMPERVIOUS DIKE
20	MHR	SPECIALIZED HAND MOWING
20	EA	RESPONSE FOR EROSION CONTROL
2	EA	CONCRETE WASHOUT STRUCTURE
0.1	ACR	REFORESTATION
17	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE
33	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT
1	EA	TRAFFIC SIGNAL REMOVAL
68	TON	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT
275	SY	GEOTEXTILE FOR DRAINAGE
45	SF	SEGMENTAL GRAVITY RETAINING WALLS
Lump Sum	LS	GENERIC CULVERT ITEM REMOVAL OF EXISTING CULVERT AT STATION 11+64.00-L-
68.25	LF	GENERIC CULVERT ITEM CORRUGATED ALUMINUM STRUCTURAL PLATE PIPE ARCH

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190115 005

CONTRACT ID : C204277 53074.3.1

DIV OFFICE DURHAM

LENGTH = 0.612 MI

COUNTY : WAKE

GRADING, DRAINAGE, PAVING, SIGNALS, AND BRIDGE REHAB.

DBE GOAL 10.0% COMPLETION DATE : APR 01 2020

I-40 AT NC-54 INTERCHANGE IN RALEIGH - RAMP WIDENING.

		ROADWAY ITEMS			
Lump Sum	LS	MOBILIZATION		905	SY 4" CONCRETE SIDEWALK
Lump Sum	LS	CONSTRUCTION SURVEYING		9	EA RETROFIT EXISTING CURB RAMPS
Lump Sum	LS	GRADING		3	EA CONCRETE CURB RAMPS
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING		210	SY 4" CONCRETE PAVED DITCH
400	CY	UNDERCUT EXCAVATION		50	SY 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
10	CY	DRAINAGE DITCH EXCAVATION		1	EA GENERIC DRAINAGE ITEM CONVERT EXT CATCH BASIN TO TB JUNCTION BOX WITH MANHOLE
400	CY	SELECT GRANULAR MATERIAL		775	LF STEEL BEAM GUARDRAIL
9,600	SY	GEOTEXTILE FOR SOIL STABILIZATION		75	LF STEEL BEAM GUARDRAIL, SHOP CURVED
550	SY	ROCK PLATING		5	EA ADDITIONAL GUARDRAIL POSTS
70	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES		1	EA GUARDRAIL END UNITS, TYPE TL-3
210	SY	FOUNDATION CONDITIONING GEOTEXTILE		200	LF REMOVE & RESET EXISTING GUARDRAIL
28	LF	15" RC PIPE CULVERTS, CLASS III		608	LF REMOVE EXISTING GUARDRAIL
12	LF	18" RC PIPE CULVERTS, CLASS III		15	TON RIP RAP, CLASS I
440	LF	15" RC PIPE CULVERTS, CLASS IV		10	TON RIP RAP, CLASS II
128	LF	18" RC PIPE CULVERTS, CLASS IV		10	TON RIP RAP, CLASS B
23	LF	PIPE REMOVAL		45	SY GEOTEXTILE FOR DRAINAGE
1	EA	PIPE CLEAN OUT		300	LF SUPPORTS, 3-LB STEEL U-CHANNEL
2,500	CY	SHALLOW UNDERCUT		7	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)
5,000	TON	CLASS IV SUBGRADE STABILIZATION		4	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)
50	TON	INCIDENTAL STONE BASE		5	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)
8,750	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")		3	EA SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (F)
4,600	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (5/8")		13	EA DISPOSAL OF SUPPORT, U-CHANNEL
845	SY	INCIDENTAL MILLING		290	SF WORK ZONE SIGNS (STATIONARY)
1,750	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C		328	SF WORK ZONE SIGNS (PORTABLE)
1,650	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C		136	SF WORK ZONE SIGNS (BARRICADE MOUNTED)
2,410	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C		1	EA FLASHING ARROW BOARD
305	TON	ASPHALT BINDER FOR PLANT MIX		23	DAY PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
15	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR		184	EA DRUMS
279	SY	REPAIR OF JOINTED CONCRETE PAVEMENT SLABS		24	EA SEQUENTIAL FLASHING WARNING LIGHTS
112	CY	SUBDRAIN EXCAVATION		32	LF BARRICADES (TYPE III)
500	SY	GEOTEXTILE FOR SUBSURFACE DRAINS		8	LF PEDESTRIAN CHANNELIZING DEVICES
84	CY	SUBDRAIN COARSE AGGREGATE		20	DAY FLAGGER
500	LF	6" PERFORATED SUBDRAIN PIPE		1	EA TEMPORARY CRASH CUSHIONS
1	EA	SUBDRAIN PIPE OUTLET		1	EA TMA
6	LF	6" OUTLET PIPE		450	LF PORTABLE CONCRETE BARRIER (ANCHORED)
400	LF	SHOULDER DRAIN		34	HR LAW ENFORCEMENT
400	LF	4" SHOULDER DRAIN PIPE		2	EA GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES
20	LF	4" OUTLET PIPE FOR SHOULDER DRAINS		900	EA GENERIC TRAFFIC CONTROL ITEM PEDESTRIAN TRANSPORT SERVICE (PER TRIP)
1	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET		47	EA TEMPORARY RAISED PAVEMENT MARKERS
1	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE		290	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
0.45	CY	PIPE COLLARS		1,060	LF THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
5	CY	FLOWABLE FILL		2,960	LF THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
8	EA	MASONRY DRAINAGE STRUCTURES		1,740	LF THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
4.8	LF	MASONRY DRAINAGE STRUCTURES		710	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
3	EA	FRAME WITH TWO GRATES, STD 840.20		510	LF THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
1	EA	FRAME WITH TWO GRATES, STD 840.22		240	LF THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)		24	EA THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
1	EA	FRAME WITH COVER, STD 840.54		43	EA THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
950	LF	2-6" CONCRETE CURB & GUTTER			
800	LF	CONCRETE EXPRESSWAY GUTTER			

			6.4	SY	GENERIC STRUCTURE ITEM CONCRETE DECK REPAIRS FOR POLYESTER POLYMER CONCRETE OVERLAY
606	LF	PAINT PAVEMENT MARKING LINES (4")	2,356	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING POLYESTER POLYMER CONCRETE OVERLAY
7,286	LF	PAINT PAVEMENT MARKING LINES (6")	2,356	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
132	LF	PAINT PAVEMENT MARKING LINES (24")	2,356	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
4	EA	PAINT PAVEMENT MARKING SYMBOL			
2,513	LF	REMOVAL OF PAVEMENT MARKING LINES (6")			
72	EA	SNOWPLOWABLE PAVEMENT MARKERS			
60	LF	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")			
510	LF	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")			
3	EA	ELECTRICAL JUNCTION BOXES ***** (IG18)			
3,145	LF	TEMPORARY SILT FENCE			
190	TON	STONE FOR EROSION CONTROL, CLASS A			
155	TON	STONE FOR EROSION CONTROL, CLASS B			
250	TON	SEDIMENT CONTROL STONE			
2	ACR	TEMPORARY MULCHING			
200	LB	SEED FOR TEMPORARY SEEDING			
1	TON	FERTILIZER FOR TEMPORARY SEED- ING			
200	LF	TEMPORARY SLOPE DRAINS			
200	LF	SAFETY FENCE			
290	CY	SILT EXCAVATION			
9,010	SY	MATTING FOR EROSION CONTROL			
100	SY	COIR FIBER MAT			
120	LF	1/4" HARDWARE CLOTH			
400	LF	WATTLE			
95	LB	POLYACRYLAMIDE (PAM)			
2	ACR	SEEDING & MULCHING			
3	ACR	MOWING			
50	LB	SEED FOR REPAIR SEEDING			
0.25	TON	FERTILIZER FOR REPAIR SEEDING			
50	LB	SEED FOR SUPPLEMENTAL SEEDING			
1.25	TON	FERTILIZER TOPDRESSING			
10	MHR	SPECIALIZED HAND MOWING			
13	EA	RESPONSE FOR EROSION CONTROL			
1	EA	CONCRETE WASHOUT STRUCTURE			
0.5	ACR	REFORESTATION			
15	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT			
15	EA	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE			
4	EA	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)			
1,700	LF	SIGNAL CABLE			
15	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)			
280	LF	MESSENGER CABLE (3/8") SPAN WIRE			
350	LF	UNPAVED TRENCHING (***** (1, 2")			
100	LF	DIRECTIONAL DRILL (***** (1, 2")			
7	EA	JUNCTION BOX (STANDARD SIZE)			
2	EA	WOOD POLE			
4	EA	GUY ASSEMBLY			
4	EA	2" RISER WITH WEATHERHEAD			
3,000	LF	INDUCTIVE LOOP SAWCUT			
7,000	LF	LEAD-IN CABLE (***** (14-2)			
15	EA	SIGN FOR SIGNALS			
4	EA	TYPE II PEDESTAL WITH FOUND- ATION			

STRUCTURE ITEMS

19,125	SF	GROOVING BRIDGE FLOORS
6.4	SY	CLASS II, SURFACE PREPARATION
313.5	LF	GENERIC STRUCTURE ITEM POURABLE SILICONE JOINT SEALANT SEALANT
65.5	CY	GENERIC STRUCTURE ITEM POLYESTER POLYMER CONCRETE MATERIALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190115 006

CONTRACT ID : C204241 50466.3.1

DIV OFFICE WINSTON-SALEM

LENGTH = 6.551 MI

COUNTY : DAVIE

GRADING, DRAINAGE, STRUCTURES, PAVEMENT REHAB & BRIDGE PRES.

DBE GOAL 9.0% COMPLETION DATE : DEC 28 2022

I-40 FROM 0.3 MILES EAST OF IREDELL COUNTY LINE TO 0.5 MILE WEST OF US-601.

ROADWAY ITEMS					
			30,400	LF	SHOULDER DRAIN
			30,400	LF	4" SHOULDER DRAIN PIPE
			2,810	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	CONSTRUCTION SURVEYING			
Lump Sum	LS	CLEARING & GRUBBING . ACRE(S)			
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING			
103,100	CY	UNCLASSIFIED EXCAVATION			
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION *****			
		(701+85.00-L-LT)			
Lump Sum	LS	TYPE I STANDARD APPROACH FILL STATION *****			
		(702+82.00-L-RT)			
396	CY	UNDERCUT EXCAVATION			
44,500	CY	BORROW EXCAVATION			
914	CY	DRAINAGE DITCH EXCAVATION			
117,410	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT			
3,560	SY	REMOVAL OF EXISTING CONCRETE PAVEMENT SLABS			
26,300	SY	GEOTEXTILE FOR SOIL STABILIZATION			
882	TON	SELECT MATERIAL, CLASS ***** (IV)			
640	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
2,010	SY	FOUNDATION CONDITIONING GEOTEXTILE			
4,952	LF	15" RC PIPE CULVERTS, CLASS IV			
8	LF	18" RC PIPE CULVERTS, CLASS IV			
8	LF	24" RC PIPE CULVERTS, CLASS IV			
488	LF	15" CS PIPE CULVERTS, 0.064" THICK			
88	LF	18" CS PIPE CULVERTS, 0.064" THICK			
484	LF	24" CS PIPE CULVERTS, 0.064" THICK			
30	EA	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")			
4	EA	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")			
22	EA	*** CS PIPE ELBOWS, ***** THICK (24", 0.064")			
1,927	LF	PIPE REMOVAL			
Lump Sum	LS	FINE GRADING			
12,900	CY	SHALLOW UNDERCUT			
17,200	TON	CLASS IV SUBGRADE STABILIZATION			
500	TON	STABILIZER AGGREGATE			
20,000	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")			
4,000	SY	INCIDENTAL MILLING			
116,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C			
90,080	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C			
14,560	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C			
56,730	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D			
10,430	TON	ASPHALT BINDER FOR PLANT MIX			
3,235	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX			
137,250	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)			
906	TON	GENERIC PAVING ITEM AGGREGATE BASE COURSE FOR BACKFILL			
3,660	SY	GENERIC PAVING ITEM 8" CONTINUOUSLY REINFORCED CONCRETE REPAIR			
Lump Sum	LS	GENERIC PAVING ITEM 10" CONCRETE SLEEPER SLAB			
			51,000	LF	SHOULDER DRAIN
			30,400	LF	4" SHOULDER DRAIN PIPE
			2,810	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
			80	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
			6	EA	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE
			0.999	CY	PIPE COLLARS
			58	EA	MASONRY DRAINAGE STRUCTURES
			0.4	LF	MASONRY DRAINAGE STRUCTURES
			4	EA	FRAME WITH TWO GRATES, STD 840.20
			6	EA	FRAME WITH TWO GRATES, STD 840.22
			48	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
			144	LF	SHOULDER BERM GUTTER
			8,690	LF	CONCRETE EXPRESSWAY GUTTER
			4	EA	ADJUSTMENT OF DROP INLETS
			28,550	LF	STEEL BEAM GUARDRAIL
			20	EA	ADDITIONAL GUARDRAIL POSTS
			30	EA	GUARDRAIL END UNITS, TYPE CAT-1
			47	EA	GUARDRAIL END UNITS, TYPE TL-3
			8	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			1,000	LF	REMOVE & RESET EXISTING GUIDERAIL
			31,144	LF	REMOVE EXISTING GUARDRAIL
			4,000	LF	REMOVE EXISTING GUIDERAIL
			4,000	LF	TEMPORARY STEEL BEAM GUARDRAIL
			10	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)
			4,000	LF	CABLE GUIDERAIL
			10	EA	ADDITIONAL GUIDERAIL POSTS
			12	EA	CABLE GUIDERAIL ANCHOR UNITS
			10	EA	GENERIC GUARDRAIL ITEM TEMPORARY GUARDRAIL END UNITS, TYPE CAT-1
			1,030	LF	WOVEN WIRE FENCE, 47" FABRIC
			75	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
			8	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
			6,427	LF	RELAPPING GUARDRAIL
			1,020	TON	RIP RAP, CLASS I
			105	TON	RIP RAP, CLASS II
			170	TON	RIP RAP, CLASS B
			2,820	SY	GEOTEXTILE FOR DRAINAGE
			546	SF	WORK ZONE SIGNS (STATIONARY)
			924	SF	HIGH VISIBILITY STATIONARY SIGNS
			384	SF	HIGH VISIBILITY PORTABLE SIGNS
			50	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
			6	EA	FLASHING ARROW BOARD
			4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
			60	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)
			8	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
			150	EA	HIGH VISIBILITY DRUMS
			24	EA	SEQUENTIAL FLASHING WARNING LIGHTS
			96	LF	BARRICADES (TYPE III)
			2	EA	TEMPORARY CRASH CUSHIONS
			13	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
			2	EA	TMA
			16,645	LF	PORTABLE CONCRETE BARRIER
			69,325	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
			1,653	HR	LAW ENFORCEMENT
			100	EA	SKINNY DRUM

Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM PORTABLE QUEUE WARNING SYSTEM DEPLOYMENT		Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (701+85.00-L-LT)
4	EA	GENERIC TRAFFIC CONTROL ITEM CONNECTED LANE CLOSURE DEVICE	24,600		SF	REINFORCED CONCRETE DECK SLAB
2,200	DAY	GENERIC TRAFFIC CONTROL ITEM PORTABLE QUEUE WARNING SYSTEM	39,960		SF	GROOVING BRIDGE FLOORS
1,131	EA	TEMPORARY RAISED PAVEMENT MARKERS	310.8		CY	CLASS A CONCRETE (BRIDGE)
6	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (701+85.00-L-LT)	
18	EA	PAINT PAVEMENT MARKING SYMBOL	Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (702+82.00-L-RT)	
625	LF	POLYUREA PAVEMENT MARKING LINES (4", 30 MILS)	193,327	LB	REINFORCING STEEL (BRIDGE)	
157,731	LF	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)	110,784	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)	
3,300	LF	POLYUREA PAVEMENT MARKING LINES (12", 30 MILS)	16,572	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	
1,250	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 4"	987,535	LS	APPROX LBS STRUCTURAL STEEL	
911,455	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"	Lump Sum	LS	POLLUTION CONTROL	
2,000	LF	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 12"	32	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)	
1,432,200	SF	WORK ZONE TRAFFIC PATTERN MASKING	1,270	LF	HP12X53 STEEL PILES	
9	EA	PERMANENT RAISED PAVEMENT MARKERS	953.37	LF	CONCRETE BARRIER RAIL	
1,037	EA	SNOWPLOWABLE PAVEMENT MARKERS	59.2	SY	CLASS II, SURFACE PREPARATION	
16,775	LF	TEMPORARY SILT FENCE	0.5	SY	CLASS III, SURFACE PREPARATION	
125	TON	STONE FOR EROSION CONTROL, CLASS A	1,390	TON	RIP RAP CLASS II (2'-0" THICK)	
1,720	TON	STONE FOR EROSION CONTROL, CLASS B	1,350	SY	GEOTEXTILE FOR DRAINAGE	
845	TON	SEDIMENT CONTROL STONE	Lump Sum	LS	ELASTOMERIC BEARINGS	
82	ACR	TEMPORARY MULCHING	12.9	CF	CONCRETE REPAIRS	
3,100	LB	SEED FOR TEMPORARY SEEDING	333.9	CF	SHOTCRETE REPAIRS	
16	TON	FERTILIZER FOR TEMPORARY SEEDING	346.6	LF	EPOXY RESIN INJECTION	
970	LF	TEMPORARY SLOPE DRAINS	Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #18	
200	LF	SAFETY FENCE	Lump Sum	LS	GENERIC STRUCTURE ITEM SPOT PAINTING OF STEEL STRUCTURE REPAIR AREAS	
1,980	CY	SILT EXCAVATION	162	LF	GENERIC STRUCTURE ITEM VOLUMETRIC MIXER	
98,750	SY	MATTING FOR EROSION CONTROL	85.5	CY	GENERIC STRUCTURE ITEM FOAM JOINT SEALS FOR PRESERVATION	
100	SY	COIR FIBER MAT	177.6	CF	GENERIC STRUCTURE ITEM LATEX MODIFIED CONC OVERLAY - VERY EARLY STRENGTH	
1	EA	SPECIAL STILLING BASINS	40.5	CF	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR	
2,500	LF	COIR FIBER WATTLE	885	LB	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE FOR PRESERVATION	
535	LF	COIR FIBER BAFFLE	162	SF	GENERIC STRUCTURE ITEM BEAM REPAIR	
45	ACR	SEEDING & MULCHING	162	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION	
54	ACR	MOWING	162	SF	GENERIC STRUCTURE ITEM CONCRETE WORK FOR JOINT REPLACEMENT	
1,250	LB	SEED FOR REPAIR SEEDING	789	SF	GENERIC STRUCTURE ITEM EPOXY COATING	
2	TON	FERTILIZER FOR REPAIR SEEDING	1,435	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK	
1,125	LB	SEED FOR SUPPLEMENTAL SEEDING	1,435	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING OF LATEX MOD CONC OVERLAY - VERY EARLY STRENGTH	
34	TON	FERTILIZER TOPDRESSING	1,435	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK	
75	LF	IMPERVIOUS DIKE	64	EA	GENERIC STRUCTURE ITEM CLEANING & PAINTING EXISTING BEARINGS WITH HRCSA	
105	MHR	SPECIALIZED HAND MOWING	2	EA	GENERIC STRUCTURE ITEM TYPE I BRIDGE JACKING BRIDGE #18	
150	EA	RESPONSE FOR EROSION CONTROL				
6	EA	CONCRETE WASHOUT STRUCTURE				
STRUCTURE ITEMS						
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (701+85.00-L-LT)		Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (702+82.00-L-RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (701+85.00-L-LT)		Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (702+82.00-L-RT)
Lump Sum	LS	ASBESTOS ASSESSMENT		Lump Sum	LS	ASBESTOS ASSESSMENT
370	LF	***.*** DIA DRILLED PIERS IN SOIL (4'-6")		123	LF	***.*** DIA DRILLED PIERS NOT IN SOIL (4'-6")
123	LF	***.*** DIA DRILLED PIERS NOT IN SOIL (4'-6")		222	LF	PERMANENT STEEL CASING FOR ***.*** DIA DRILLED PIER (4'-6")
9	EA	SID INSPECTIONS		9	EA	SID INSPECTIONS
18	EA	SPT TESTING		18	EA	SPT TESTING
2	EA	CSL TESTING		2	EA	CSL TESTING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 007

CONTRACT ID : C204235 15BPR.32

DIV OFFICE NORTH WILKESBORO

LENGTH = 0.032 MI

COUNTY : WATAUGA, AVERY

CULVERT PRESERVATION

DBE GOAL % COMPLETION DATE : OCT 01 2019

US-321 OVER LAUREL CREEK, SR-1545 OVER GRANDMOTHER CREEK, AND SR-1545 OVER BEECH CREEK.

CULVERT ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
167.3	CF	CONCRETE REPAIRS
482.1	CF	SHOTCRETE REPAIRS
742	LF	EPOXY RESIN INJECTION

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 008

CONTRACT ID : C204287 2019CPT.12.01.10231 DIV OFFICE SHELBY

LENGTH = 38.070 MI

COUNTY : CLEVELAND

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 5.0% COMPLETION DATE : NOV 15 2019

1 SECTION OF NC-18, 1 SECTION OF NC-180, 1 SECTION OF NC-182 1 SECTION OF NC-226, AND 20 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,072	TON	INCIDENTAL STONE BASE
72.1	SMI	SHOULDER RECONSTRUCTION
12,848	TON	AGGREGATE SHOULDER BORROW
3,800	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
23,708	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (3" TO 5")
5,140	SY	INCIDENTAL MILLING
454	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
63	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
47,524	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
6,170	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
3,256	TON	ASPHALT BINDER FOR PLANT MIX
9,062	TON	PATCHING EXISTING PAVEMENT
85,628	SY	ASPHALT SURFACE TREATMENT, MAT COAT, #6M STONE
34,251	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
3	EA	ADJUSTMENT OF MANHOLES
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
3	EA	CONVERT EXISTING DROP INLET TO CATCH BASIN
4	EA	GENERIC DRAINAGE ITEM ADJUSTMENT OF OVERSIZED MANHOLES
4,048	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
140	HR	LAW ENFORCEMENT
90	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
210	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
75	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
200	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
581	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
37	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,504,663	LF	PAINT PAVEMENT MARKING LINES (4")
382	LF	PAINT PAVEMENT MARKING LINES (24")
8	EA	PAINT PAVEMENT MARKING SYMBOL
1,577	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
4	EA	JUNCTION BOX (STANDARD SIZE)
1,750	LF	INDUCTIVE LOOP SAWCUT
750	LF	LEAD-IN CABLE (***** (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 009

CONTRACT ID : C204292 2019CPT.12.05.10181 DIV OFFICE SHELBY

LENGTH = 40.289 MI

COUNTY : CATAWBA

WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 6.0% COMPLETION DATE : NOV 15 2019

1 SECTION OF NC-127, 1 SECTION OF NC-10, 3 SECTIONS OF NC-16 BUS, AND 26 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
180	TON	INCIDENTAL STONE BASE
53.38	SMI	SHOULDER RECONSTRUCTION
2,711	TON	AGGREGATE SHOULDER BORROW
176,721	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
20,864	SY	MILLING ASPHALT PAVEMENT, **** TO *****" (0" TO 1-1/2")
2,980	SY	INCIDENTAL MILLING
2,960	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
32,514	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,467	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
18,356	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
10	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
3,580	TON	ASPHALT BINDER FOR PLANT MIX
3,085	TON	PATCHING EXISTING PAVEMENT
22	EA	RETROFIT EXISTING CURB RAMPS
24	EA	REMOVE AND REPLACE CURB RAMPS
105	EA	ADJUSTMENT OF MANHOLES
63	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
2,412	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
878	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
100	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
1,849	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
58	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
309	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,318,140	LF	PAINT PAVEMENT MARKING LINES (4")
1,634	LF	PAINT PAVEMENT MARKING LINES (24")
294	EA	PAINT PAVEMENT MARKING SYMBOL
1,624	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
5	EA	JUNCTION BOX (STANDARD SIZE)
4,900	LF	INDUCTIVE LOOP SAWCUT
3,650	LF	LEAD-IN CABLE (***** (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 010

CONTRACT ID : C204288 2020CPT.13.01.10111 DIV OFFICE ASHEVILLE

LENGTH = 98.430 MI

COUNTY : BUNCOMBE

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 6.0% COMPLETION DATE : OCT 01 2020

1 SECTION EACH OF US-25, NC-112, US-19/US-23BUS, NC-191, NC-9, NC-151, & NC-197 AND 106 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
25,350	LB	SEALING EXISTING PAVEMENT CRACKS
1,552	TON	INCIDENTAL STONE BASE
60.74	SMI	SHOULDER RECONSTRUCTION
7,899	TON	AGGREGATE SHOULDER BORROW
101,670	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
8,750	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (5/8")
55,408	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
17,963	SY	INCIDENTAL MILLING
31,440	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
31,896	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
4,023	TON	ASPHALT BINDER FOR PLANT MIX
18	TON	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX
25,906	TON	PATCHING EXISTING PAVEMENT
177,016	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
177,016	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
97,415	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
9	WK	VACUUM TRUCK
341	TON	ULTRA-THIN BONDED WEARING COURSE
24,869	SY	GENERIC PAVING ITEM LATEX MODIFIED MICRO-SURFACING TYPE III
192	EA	ADJUSTMENT OF MANHOLES
158	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
8,268	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
785	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
2,648	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
240	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
164	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
6,052	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
152	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
397	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
5	EA	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (II)
964,841	LF	PAINT PAVEMENT MARKING LINES (4")
526,422	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
2,778	LF	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)
22,990	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
80	LF	REMOVAL OF PAVEMENT MARKING LINES (24")
9	EA	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
2,739	EA	SNOWPLOWABLE PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
30,180	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 011

CONTRACT ID : C204289 2020CPT.13.02.10121 DIV OFFICE ASHEVILLE

LENGTH = 67.831 MI

COUNTY : BURKE

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 6.0% COMPLETION DATE : OCT 01 2020

4 SECTIONS OF US-64, 1 SECTION OF NC-114, 2 SECTIONS OF NC-181, AND 62 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,434	TON	INCIDENTAL STONE BASE
58.41	SMI	SHOULDER RECONSTRUCTION
7,594	TON	AGGREGATE SHOULDER BORROW
16,787	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
10,135	SY	MILLING ASPHALT PAVEMENT, **** TO *****" (0" TO 1-1/2")
12,369	SY	INCIDENTAL MILLING
23,169	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
14,610	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
2,426	TON	ASPHALT BINDER FOR PLANT MIX
11,690	TON	PATCHING EXISTING PAVEMENT
223,634	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
223,634	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
122,954	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
11	WK	VACUUM TRUCK
12,160	LF	GENERIC PAVING ITEM MILLED RUMBLE STRIPS ASPHALT CONCRETE (CENTERLINE)
11	EA	REMOVE AND REPLACE CURB RAMPS
16	EA	ADJUSTMENT OF CATCH BASINS
17	EA	ADJUSTMENT OF DROP INLETS
27	EA	ADJUSTMENT OF MANHOLES
85	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
5,482	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
415	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
566	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
132	LF	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)
861	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
56	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
49	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,707,565	LF	PAINT PAVEMENT MARKING LINES (4")
139,781	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
795	EA	SNOWPLOWABLE PAVEMENT MARKERS
1,225	LF	INDUCTIVE LOOP SAWCUT

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L190115 012

CONTRACT ID : C204290 2020CPT.13.06.10811 DIV OFFICE ASHEVILLE

LENGTH = 67.930 MI

COUNTY : RUTHERFORD

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

DBE GOAL 6.0% COMPLETION DATE : OCT 01 2020

6 SECTIONS OF US-74W, AND 54 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,574	TON	INCIDENTAL STONE BASE
67.45	SMI	SHOULDER RECONSTRUCTION
8,797	TON	AGGREGATE SHOULDER BORROW
86	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1")
294,666	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")
50	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1")
1,500	SY	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")
5,294	SY	INCIDENTAL MILLING
15,258	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
900	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
37,397	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
3,327	TON	ASPHALT BINDER FOR PLANT MIX
16,743	TON	PATCHING EXISTING PAVEMENT
186,262	SY	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
186,262	SY	ASPHALT SURFACE TREATMENT, FOG SEAL
102,393	GAL	EMULSION FOR ASPHALT SURFACE TREATMENT
9	WK	VACUUM TRUCK
120,320	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
58	EA	REMOVE AND REPLACE CURB RAMPS
4	EA	ADJUSTMENT OF DROP INLETS
28	EA	ADJUSTMENT OF MANHOLES
30	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
6,108	SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
2,008	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
889	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
28	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
60	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1,446,512	LF	PAINT PAVEMENT MARKING LINES (4")
6,270	LF	PAINT PAVEMENT MARKING LINES (8")
89	LF	PAINT PAVEMENT MARKING LINES (24")
4	EA	PAINT PAVEMENT MARKING CHARAC- TER
12	EA	PAINT PAVEMENT MARKING SYMBOL
112,745	LF	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)
157,949	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
6,270	LF	POLYUREA PAVEMENT MARKING LINES (12", 20 MILS)
1,410	EA	SNOWPLOWABLE PAVEMENT MARKERS
650	LF	INDUCTIVE LOOP SAWCUT

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190115 013

CONTRACT ID : C204242 46410.3.1

DIV OFFICE ASHEVILLE

LENGTH = 12.696 MI

COUNTY : BUNCOMBE

PAVEMENT REHABILITATION AND BRIDGE PRESERVATION.

DBE GOAL 8.0% COMPLETION DATE : OCT 30 2020

I-40 MILE MARKER 55 TO MILE MARKER 67.5.

ROADWAY ITEMS					
			59	EA	GUARDRAIL END UNITS, TYPE TL-3
			3	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
			24	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83
Lump Sum	LS	MOBILIZATION			
Lump Sum	LS	GRADING			
2,000	CY	BORROW EXCAVATION	175,058.75	LF	GENERIC GUARDRAIL ITEM REMOVE AND REPLACE EXISTING GUARDRAIL
30	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES			
70	SY	FOUNDATION CONDITIONING GEOTEXTILE	142	EA	GENERIC GUARDRAIL ITEM ANCHOR GUARDRAIL POST ON BRIDGE DECK
200	LF	*** CS PIPE CULVERTS, ***** THICK (42", 0.109")	35	TON	RIP RAP, CLASS II
2	EA	*** CS PIPE ELBOWS, ***** THICK (42", 0.109")	75	SY	GEOTEXTILE FOR DRAINAGE
55.38	SMI	SHOULDER RECONSTRUCTION	590	SF	WORK ZONE SIGNS (STATIONARY)
7,712	TON	AGGREGATE SHOULDER BORROW	96	SF	WORK ZONE SIGNS (PORTABLE)
612,700	SY	MILLING ASPHALT PAVEMENT, **** DEPTH (2")	2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
4,343	SY	INCIDENTAL MILLING	4	EA	WORK ZONE DIGITAL SPEED LIMIT SIGNS
430	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	15	EA	WORK ZONE PRESENCE LIGHTING
17,636	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	16	EA	SEQUENTIAL FLASHING WARNING LIGHTS
58,428	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	25	EA	CONES
1,085	TON	ASPHALT BINDER FOR PLANT MIX	120	DAY	FLAGGER
4,053	TON	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	352	HR	LAW ENFORCEMENT
4,238	TON	PATCHING EXISTING PAVEMENT	124	EA	GENERIC TRAFFIC CONTROL ITEM LANE CLOSURE
13,893	TON	ULTRA-THIN BONDED WEARING COURSE	32	EA	GENERIC TRAFFIC CONTROL ITEM RAMP/LOOP CLOSURE
253,439	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	143	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
1	EA	MASONRY DRAINAGE STRUCTURES	22	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
1	EA	FRAME WITH TWO GRATES, STD 840.22	317,407	LF	PAINT PAVEMENT MARKING LINES (4")
11	EA	GENERIC DRAINAGE ITEM REMOVE AND REPLACE 12" FUNNEL DRAIN PIPE ELBOWS	11,210	LF	PAINT PAVEMENT MARKING LINES (8")
28	EA	GENERIC DRAINAGE ITEM REMOVE AND REPLACE CONCRETE APRON	22,076	LF	POLYUREA PAVEMENT MARKING LINES (6", 20 MILS)
11	EA	GENERIC DRAINAGE ITEM REMOVE AND REPLACE METAL FUNNELS	295,331	LF	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)
350	LF	GENERIC DRAINAGE ITEM REMOVE AND REPLACE 12" FUNNEL DRAIN PIPE	11,210	LF	POLYUREA PAVEMENT MARKING LINES (12", 30 MILS)
1,545	LF	***X *** CONCRETE CURB (8" X 6")	14,298	LF	REMOVAL OF PAVEMENT MARKING LINES (6")
4,509	SY	GENERIC PAVING ITEM REMOVE AND REPLACE 4" CONCRETE PAVED DITCH	690	LF	GENERIC PAVEMENT MARKING ITEM PAINT 1'-6" CURB AND GUTTER
650	SY	GENERIC PAVING ITEM REMOVE AND REPLACE 5" CONCRETE ISLANDS	2,216	EA	SNOWFLOWABLE PAVEMENT MARKERS
690	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 1'-6" CURB AND GUTTER	Lump Sum	LS	PORTABLE LIGHTING
120	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 2'-6" CURB AND GUTTER	150	LF	TEMPORARY SILT FENCE
2,798	LF	GENERIC PAVING ITEM REMOVE AND REPLACE 8" X 6" CONCRETE CURB	20	TON	SEDIMENT CONTROL STONE
2,921	LF	GENERIC PAVING ITEM REMOVE AND REPLACE CONCRETE EXPRESSWAY GUTTER	350	SY	MATTING FOR EROSION CONTROL
4,815	LF	GENERIC PAVING ITEM REMOVE AND REPLACE SHOULDER BERM GUTTER	200	LF	*** TEMPORARY PIPE (24")
3	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3	0.5	ACR	SEEDING & MULCHING
193.75	LF	STEEL BEAM GUARDRAIL, SHOP CURVED	25	LF	IMPERVIOUS DIKE
4	EA	GUARDRAIL END UNITS, TYPE AT-1	2	EA	RESPONSE FOR EROSION CONTROL
49	EA	GUARDRAIL END UNITS, TYPE CAT-1	2	EA	CONCRETE WASHOUT STRUCTURE
			1,200	LF	INDUCTIVE LOOP SAWCUT
					STRUCTURE ITEMS
			86,682.3	SF	GROOVING BRIDGE FLOORS
			Lump Sum	LS	POLLUTION CONTROL
			118.9	SY	CLASS II, SURFACE PREPARATION
			6.5	SY	CLASS III, SURFACE PREPARATION
			3.7	CF	CONCRETE REPAIRS
			611	CF	SHOTCRETE REPAIRS
			129	LF	EPOXY RESIN INJECTION
			Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND PAINTING EXISTING WEATHERING STEEL FOR BRIDGE #494
			Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #488

Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #484
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #486
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #487
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #488
Lump Sum	LS	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #494
Lump Sum	LS	GENERIC STRUCTURE ITEM SPOT PAINTING OF STEEL STRUCTURE REPAIR AREAS
Lump Sum	LS	GENERIC STRUCTURE ITEM VOLUMETRIC MIXER
351.8	LF	GENERIC STRUCTURE ITEM EXPANSION JOINT SEALS FOR PRESERVATION
926.4	LF	GENERIC STRUCTURE ITEM FOAM JOINT SEALS FOR PRESERVA- TION
572.6	CY	GENERIC STRUCTURE ITEM LATEX MODIFIED CONC - EARLY STRENGTH
215.4	CF	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR
188.7	CF	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE FOR PRESERVATION
2,889.7	LB	GENERIC STRUCTURE ITEM BEAM REPAIR
212.6	LB	GENERIC STRUCTURE ITEM BOLTED BEAM REPAIR
754.8	SF	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION
754.8	SF	GENERIC STRUCTURE ITEM CONCRETE WORK FOR JOINT REPLACEMENT
4,979.4	SF	GENERIC STRUCTURE ITEM EPOXY COATING
10,503.8	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DEC K
10,503.8	SY	GENERIC STRUCTURE ITEM PLACING & FINISHING LATEX MOD CONC OVERLAY - EARLY STRENGTH
10,503.8	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK
728.9	SY	GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK
728.9	SY	GENERIC STRUCTURE ITEM SILANE DECK TREATMENT
2	EA	GENERIC STRUCTURE ITEM REMOVE AND RESET BEARINGS
15	EA	GENERIC STRUCTURE ITEM STEEL KEEPER ANGLE ASSEMBLY
2	EA	GENERIC STRUCTURE ITEM TYPE I BRIDGE JACKING FOR BRIDGE #494

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L190219 001

CONTRACT ID : C204177 34360.3.4

DIV OFFICE GREENVILLE

LENGTH = 10.353 MI

COUNTY : CARTERET, CRAVEN

GRADING, DRAINAGE, PAVING, SIGNALS & STRUCTURES.

DBE GOAL 9.0% COMPLETION DATE : APR 01 2024

US-70 (HAVELOCK BYPASS) FROM NORTH OF PINE GROVE TO NORTH OF CARTERET COUNTY LINE.

ROADWAY ITEMS				
		52	LF	*** SIDE DRAIN PIPE (36")
		116	LF	*** SIDE DRAIN PIPE (60")
Lump Sum	LS MOBILIZATION	76	LF	*** SIDE DRAIN PIPE (84")
Lump Sum	LS CONSTRUCTION SURVEYING	524	LF	15" SIDE DRAIN PIPE
Lump Sum	LS FIELD OFFICE	980	LF	18" SIDE DRAIN PIPE
Lump Sum	LS GENERIC MISCELLANEOUS ITEM UTILITY COORDINATOR	272	LF	24" SIDE DRAIN PIPE
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (138+69.74 -L-)	548	LF	*** RC PIPE CULVERTS, CLASS ***** (15", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (139+25.54 -L-)	400	LF	*** RC PIPE CULVERTS, CLASS ***** (18", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (176+32.00 -L- LT)	416	LF	*** RC PIPE CULVERTS, CLASS ***** (24", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (176+32.00 -L- RT)	548	LF	*** RC PIPE CULVERTS, CLASS ***** (30", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (227+54.13 -L-)	3,064	LF	*** RC PIPE CULVERTS, CLASS ***** (36", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (227+59.99 -L-)	388	LF	*** RC PIPE CULVERTS, CLASS ***** (42", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (288+29.87 -L- LT)	664	LF	*** RC PIPE CULVERTS, CLASS ***** (72", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (288+29.87 -L- RT)	728	LF	*** RC PIPE CULVERTS, CLASS ***** (84", V)
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (44+71.82 -Y4)	3,580	LF	15" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (506+32.25 -L-)	1,664	LF	18" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (506+47.11 -L-)	684	LF	24" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (506+47.11 -L-)	732	LF	30" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE I STANDARD APPROACH FILL STATION ***** (52+32.96 -Y3)	1,436	LF	36" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (11+50.20 -RP1AB-)	628	LF	42" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (12+01.81 -RP1AB-)	192	LF	48" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (516+87.37 -L- LT)	92	LF	60" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (516+87.37 -L- RT)	404	LF	72" RC PIPE CULVERTS, CLASS III
Lump Sum	LS TYPE III REINFORCED APPROACH FILL, STATION ***** (516+87.37 -L- RT)	720	LF	*** RC PIPE CULVERTS, CLASS IV (48")
96,000	CY UNDERCUT EXCAVATION	932	LF	*** RC PIPE CULVERTS, CLASS IV (72")
5	ACR SUPPLEMENTARY CLEARING & GRUBBING	388	LF	*** RC PIPE CULVERTS, CLASS IV (84")
Lump Sum	LS GRADING	10,972	LF	15" RC PIPE CULVERTS, CLASS IV
5,793,000	CY BORROW EXCAVATION	2,460	LF	18" RC PIPE CULVERTS, CLASS IV
2	EA EMBANKMENT SETTLEMENT GAUGES	580	LF	24" RC PIPE CULVERTS, CLASS IV
9,730	CY DRAINAGE DITCH EXCAVATION	388	LF	30" RC PIPE CULVERTS, CLASS IV
150,000	CY SELECT GRANULAR MATERIAL, CLASS III	8,212	LF	36" RC PIPE CULVERTS, CLASS IV
72,500	SY GEOTEXTILE FOR SOIL STABILIZATION	396	LF	42" RC PIPE CULVERTS, CLASS IV
1,341.2	SF TEMPORARY SHORING	5,464	LF	*** CAA PIPE CULVERTS, ***** THICK (15", 0.064")
6,000	SY GENERIC GRADING ITEM GEOTEXTILE FOR EMBANKMENT STABILIZATION	694	LF	*** CAA PIPE CULVERTS, ***** THICK (18", 0.064")
100	TON GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	76	LF	*** CAA PIPE CULVERTS, ***** THICK (24", 0.064")
5,260	TON FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	150	EA	*** CAA PIPE ELBOWS, ***** THICK (15", 0.064")
16,520	SY FOUNDATION CONDITIONING GEOTEXTILE	30	EA	*** CAA PIPE ELBOWS, ***** THICK (18", 0.064")
88	LF *** SIDE DRAIN PIPE (30")			

			640	LF	REMOVE EXISTING GUARDRAIL
			888	LF	TEMPORARY STEEL BEAM GUARDRAIL
			4	EA	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-2)
4	EA	*** CAA PIPE ELBOWS, ***** THICK (24", 0.064")	47,250	LF	CABLE GUIDERAIL
3,991	LF	PIPE REMOVAL	18	EA	ADDITIONAL GUIDERAIL POSTS
3	EA	PIPE CLEAN OUT	36	EA	CABLE GUIDERAIL ANCHOR UNITS
250	SY	6" SLOPE PROTECTION	108,660	LF	WOVEN WIRE FENCE, 47" FABRIC
400	TON	#57 STONE	6,920	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
1,000	CY	SHALLOW UNDERCUT	1,550	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
2,550	TON	CLASS IV SUBGRADE STABILIZATION	14	EA	GENERIC FENCING ITEM 16' USFS WELDED PIPE GATES
50,600	TON	CLASS IV AGGREGATE STABILIZATION	2,020	TON	RIP RAP, CLASS I
272,400	TON	AGGREGATE BASE COURSE	900	TON	RIP RAP, CLASS B
2,500	TON	INCIDENTAL STONE BASE	9,800	SY	GEOTEXTILE FOR DRAINAGE
14,290	GAL	PRIME COAT	16	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
1,500	SY	INCIDENTAL MILLING	4	CY	PLAIN CONCRETE SIGN FOUNDATIONS
53,560	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C	148	CY	OVERHEAD FOOTING
156,730	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	14,533	LB	SUPPORTS, BREAKAWAY STEEL BEAM
28,470	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	7,946	LB	SUPPORTS, SIMPLE STEEL BEAM
109,310	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	306	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
18,400	TON	ASPHALT BINDER FOR PLANT MIX	4,474	LF	SUPPORTS, WOOD
1,300	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (22+05 -RPIAB-)
215,500	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (42+00 -L-)
97	EA	RIGHT-OF-WAY MARKERS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (504+50 -L-)
147	EA	CONTROL-OF-ACCESS MARKERS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (544+00 -L-)
1,434	CY	SUBDRAIN EXCAVATION	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (57+15 -RP2AC-)
6,400	SY	GEOTEXTILE FOR SUBSURFACE DRAINS	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (58+50 -L-)
1,075	CY	SUBDRAIN COARSE AGGREGATE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (76+00 -L-)
6,400	LF	6" PERFORATED SUBDRAIN PIPE	Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (89+84 -L-)
13	EA	SUBDRAIN PIPE OUTLET	12	EA	SIGN ERECTION, TYPE D
78	LF	6" OUTLET PIPE	125	EA	SIGN ERECTION, TYPE E
134.3	CY	ENDWALLS	27	EA	SIGN ERECTION, TYPE F
101.1	CY	REINFORCED ENDWALLS	14	EA	SIGN ERECTION, TYPE *** (OVERHEAD)
331	EA	MASONRY DRAINAGE STRUCTURES	7	EA	SIGN ERECTION, TYPE *** (OVERHEAD)
9.2	CY	MASONRY DRAINAGE STRUCTURES	29	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
60.1	LF	MASONRY DRAINAGE STRUCTURES	22	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED)
13	EA	FRAME WITH TWO GRATES, STD 840.16	22	EA	SIGN ERECTION, MILEMARKERS
137	EA	FRAME WITH TWO GRATES, STD 840.20	3	EA	SIGN ERECTION, OVERLAY (OVERHEAD)
133	EA	FRAME WITH TWO GRATES, STD 840.22	8	EA	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED)
11	EA	FRAME WITH TWO GRATES, STD 840.24	8	EA	DISPOSAL OF SUPPORT, WOOD
31	EA	FRAME WITH TWO GRATES, STD 840.29	56	EA	DISPOSAL OF SIGN SYSTEM, WOOD
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	752	SF	WORK ZONE SIGNS (STATIONARY)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	832	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	384	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FRAME WITH COVER, STD 840.54	6	EA	FLASHING ARROW BOARD
9	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN
3,760	LF	1'-6" CONCRETE CURB & GUTTER	860	EA	DRUMS
1,780	LF	2'-6" CONCRETE CURB & GUTTER	208	LF	BARRICADES (TYPE III)
29,970	LF	SHOULDER BERM GUTTER	60	DAY	FLAGGER
2,400	LF	CONCRETE EXPRESSWAY GUTTER	3	EA	TEMPORARY CRASH CUSHIONS
100	SY	4" CONCRETE SIDEWALK	1	EA	REMOVE & RESET TEMPORARY CRASH CUSHION
40	SY	6" CONCRETE DRIVEWAY	4	EA	TMA
50	SY	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	5,220	LF	PORTABLE CONCRETE BARRIER
1,239	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	610	LF	REMOVE & RESET PORTABLE CONCRETE BARRIER
426	LF	GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION	40	HR	LAW ENFORCEMENT
3	EA	ADJUSTMENT OF DROP INLETS	500	EA	SKINNY DRUM
8	EA	IMPACT ATTENUATOR UNITS, TYPE TL-3			
50,425	LF	STEEL BEAM GUARDRAIL			
22	EA	GUARDRAIL END UNITS, TYPE CAT-1			
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III			
53	EA	GUARDRAIL END UNITS, TYPE TL-3			
2	EA	GUARDRAIL END UNITS, TYPE TL-2			
63	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77			

			445,000	SY	GENERIC EROSION CONTROL ITEM NATURAL FIBER MATTING
			5,950	LF	SIGNAL CABLE
400	EA	TEMPORARY RAISED PAVEMENT MARKERS	33	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
20,359	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	4	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
24,986	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	4	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
258,306	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	14,550	LF	MESSENGER CABLE (1/4")
35,807	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	1,360	LF	MESSENGER CABLE (3/8")
249	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	26,630	LF	TRACER WIRE
465	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	2,550	LF	UNPAVED TRENCHING (***** (1, 2"))
9,926	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	13,560	LF	UNPAVED TRENCHING (***** (2, 2"))
3,507	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	270	LF	UNPAVED TRENCHING (***** (3, 2"))
609	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	30	LF	UNPAVED TRENCHING (***** (4, 2"))
32	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	10	LF	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN
100	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	900	LF	DIRECTIONAL DRILL (***** (1, 2"))
51,288	LF	PAINT PAVEMENT MARKING LINES (4")	860	LF	DIRECTIONAL DRILL (***** (1, 6"))
147,366	LF	PAINT PAVEMENT MARKING LINES (6")	5,960	LF	DIRECTIONAL DRILL (***** (2, 2"))
208	LF	PAINT PAVEMENT MARKING LINES (24")	50	LF	DIRECTIONAL DRILL (***** (3, 2"))
10	EA	PAINT PAVEMENT MARKING SYMBOL	42	EA	JUNCTION BOX (STANDARD SIZE)
2,334	LF	POLYUREA PAVEMENT MARKING LINES (4", 30 MILS)	61	EA	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)
18,160	LF	POLYUREA PAVEMENT MARKING LINES (6", 30 MILS)	35	EA	GUY ASSEMBLY
819	LF	POLYUREA PAVEMENT MARKING LINES (12", 30 MILS)	1	EA	1/2" RISER WITH WEATHERHEAD
80	LF	REMOVAL OF PAVEMENT MARKING LINES (4")	14	EA	2" RISER WITH WEATHERHEAD
2,500	LF	REMOVAL OF PAVEMENT MARKING LINES (6")	22	EA	HEAT SHRINK TUBING RETROFIT KIT
20	LF	REMOVAL OF PAVEMENT MARKING LINES (24")	16	EA	2" RISER WITH HEAT SHRINK TUBING
147	EA	PERMANENT RAISED PAVEMENT MARKERS	1,850	LF	INDUCTIVE LOOP SAWCUT
2,693	EA	SNOWPLOWABLE PAVEMENT MARKERS	6,620	LF	LEAD-IN CABLE (***** (14-2))
503,715	LF	TEMPORARY SILT FENCE	72,940	LF	COMMUNICATIONS CABLE (**FIBER) (24)
660	TON	STONE FOR EROSION CONTROL, CLASS A	10,000	LF	DROP CABLE
32,100	TON	STONE FOR EROSION CONTROL, CLASS B	23	EA	SPLICE ENCLOSURE
23,000	TON	SEDIMENT CONTROL STONE	1	EA	MODIFY SPLICE ENCLOSURE
560.5	ACR	TEMPORARY MULCHING	31	EA	INTERCONNECT CENTER
25,500	LB	SEED FOR TEMPORARY SEEDING	23	EA	DELINEATOR MARKER
128.5	TON	FERTILIZER FOR TEMPORARY SEED- ING	5,190	LF	REMOVE EXISTING COMMUNICATIONS CABLE
55,000	LF	TEMPORARY SLOPE DRAINS	12	EA	METAL STRAIN SIGNAL POLE
70,000	LF	SAFETY FENCE	20	EA	SOIL TEST
65,100	CY	SILT EXCAVATION	72	CY	DRILLED PIER FOUNDATION
79,000	SY	MATting FOR EROSION CONTROL	15	EA	SIGN FOR SIGNALS
700	SY	COIR FIBER MAT	3	EA	SIGNAL CABINET FOUNDATION
10,550	SY	PERMANENT SOIL REINFORCEMENT MAT	17	EA	CONTROLLERS WITH CABINET (***** (2070E))
14,200	LF	1/4" HARDWARE CLOTH	3	EA	CABINET BASE EXTENDER
1,300	SY	LOW PERMEABILITY GEOTEXTILE	4	EA	METAL POLE FOUNDATION REMOVAL
600	LF	TEMPORARY PIPE FOR STREAM CROSSING	4	EA	METAL POLE REMOVAL
700	CY	STILLING BASINS	7	EA	GENERIC SIGNAL ITEM CCTV CAMERA ASSEMBLY
26	EA	SPECIAL STILLING BASINS	2	EA	GENERIC SIGNAL ITEM CCTV CAMERA EXTENSION POLE
78,000	LF	COIR FIBER WATTLE	5	EA	GENERIC SIGNAL ITEM CCTV WOOD POLE
36,350	LB	POLYACRYLAMIDE (PAM)	3	EA	GENERIC SIGNAL ITEM CONTROLLER (TYPE 2070E)
20,000	LF	COIR FIBER BAFFLE	136	EA	GENERIC SIGNAL ITEM DETECTOR CARD (TYPE 2070E)
53	EA	*** SKIMMER (1-1/2")	2	EA	GENERIC SIGNAL ITEM DMS ACCESS LADDER
4	EA	*** SKIMMER (2")	2	EA	GENERIC SIGNAL ITEM DMS TYPE A
753	ACR	SEEDING & MULCHING	2	EA	GENERIC SIGNAL ITEM DMS TYPE A STRUCTURE
702	ACR	MOWING	6	EA	GENERIC SIGNAL ITEM DMS TYPE B
5,400	LB	SEED FOR REPAIR SEEDING	6	EA	GENERIC SIGNAL ITEM DMS TYPE B STRUCTURE
30	TON	FERTILIZER FOR REPAIR SEEDING	12	EA	GENERIC SIGNAL ITEM ELECTRICAL SERVICE FOR ITS DEVICE
18,675	LB	SEED FOR SUPPLEMENTAL SEEDING	20	EA	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH
560.15	TON	FERTILIZER TOPDRESSING	6	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET
1,275	LF	IMPERVIOUS DIKE	7	EA	GENERIC SIGNAL ITEM FURNISH CCTV CAMERA ASSEMBLY
450	MHR	SPECIALIZED HAND MOWING			
100	EA	RESPONSE FOR EROSION CONTROL			
12	EA	CONCRETE WASHOUT STRUCTURE			
3,132	CY	CULVERT DIVERSION CHANNEL			
0.1	ACR	REFORESTATION			

			Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 138+31.09-L-T)
37	EA	GENERIC SIGNAL ITEM JUNCTION BOX MARKER	Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (3, 138+31.09-L-RT)
9	EA	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM-MULTIPLE ZONES	38	EA	PDA TESTING
2	EA	GENERIC SIGNAL ITEM WOOD PEDESTAL	340,594	SF	REINFORCED CONCRETE DECK SLAB
48	CY	GENERIC SIGNAL ITEM DMS FOUNDATION	308,222	SF	GROOVING BRIDGE FLOORS
			1,140.6	CY	CLASS AA CONCRETE (BRIDGE)
			4,001.5	CY	CLASS A CONCRETE (BRIDGE)

CULVERT ITEMS

Lump Sum	LS	CULVERT EXCAVATION, STA ***** (44+89.00-RP2AC-)
Lump Sum	LS	CULVERT EXCAVATION, STA ***** (509+41.00-L-)
1,025	TON	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT
2,346.4	CY	CLASS A CONCRETE (CULVERT)
206,812	LB	REINFORCING STEEL (BRIDGE)

WALL ITEMS

8,200	SF	MSE RETAINING WALL NO **** (1)
4,600	SF	MSE RETAINING WALL NO **** (2)
6,400	SF	MSE RETAINING WALL NO **** (3)
5,400	SF	MSE RETAINING WALL NO **** (4)

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (177+67.00-L-)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (287+62.50-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 138+31.09-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 138+31.09-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 227+57.02-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 227+57.02-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 44+71.82-Y4-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 506+32.25-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 506+32.25-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 52+32.96-Y3-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 138+31.09-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 227+57.02-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 227+57.02-L-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 506+32.25-L-LT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (2, 506+32.25-L-RT)

			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+76.30-RPIAB-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (11+76.30-RPIAB-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (138+31.09-L-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (138+31.09-L-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (177+67.00-L-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (177+67.00-L-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (227+57.02-L-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (227+57.02-L-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (287+62.50-L-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (287+62.50-L-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (44+71.82-Y4-)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (506+32.25-L-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (506+32.25-L-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (516+87.37-L-LT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (516+87.37-L-RT)
			Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ***** (52+32.96-Y3-)
		605,741	LB	REINFORCING STEEL (BRIDGE)	
		184,196	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)	
		47,027	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	
		8,099.63	LF	54" PRESTRESSED CONCRETE GIR- DERS	
		1,892.44	LF	MODIFIED 72" PRESTRESSED CONC GIRDERS	
		92	EA	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (12")	
		84	EA	PILE DRIVING EQUIPMENT SETUP FOR *** PRESTRESSED CONCRETE PILES (20")	
		575	EA	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP12X53)	
		28	EA	PILE DRIVING EQUIPMENT SETUP FOR *** GALVANIZED STEEL PILES (PP14X0.50)	
		5,020	LF	12" PRESTRESSED CONCRETE PILES	
		4,760	LF	20" PRESTRESSED CONCRETE PILES	
		43,865	LF	HP12X53 STEEL PILES	
		2,510	LF	PP ** X *** GALVANIZED STEEL PILES (14X0.50)	
		34	EA	STEEL PILE POINTS	
		28	EA	PIPE PILE PLATES	
		274	LF	PREDRILLING FOR PILES	
		801	EA	PILE REDRIVES	
		712.59	LF	TWO BAR METAL RAIL	
		15,087.36	LF	CONCRETE BARRIER RAIL	

744.24	LF	1'-***X ***** CONCRETE PARA- PET (1'-2" X 2'-6")
12,882.3	SY	4" SLOPE PROTECTION
1,883	TON	RIP RAP CLASS II (2'-0" THICK)
2,128	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
34,740	LF	GENERIC STRUCTURE ITEM HP14X73 METALLIZED STEEL PILES
28,382.49	LF	GENERIC STRUCTURE ITEM MODIFIED 74" PRESTRESSED CONCRETE GIRDERS
396	EA	GENERIC STRUCTURE ITEM PILE DRIVING EQUIPMENT SETUP FOR HP14X73 METALIZED STEEL PILES