



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

November 3, 2022

CONTRACT: DB00544  
WBS ELEMENT: 2BP.R020.3  
COUNTY: CRAVEN  
ROUTE: SR 1700  
DESCRIPTION: DRAINAGE, GRADING, PAVING, AND CULVERT  
CONSTRUCTION ON SR 1700 IN CRAVEN COUNTY

**ADDENDUM 3**

TO: PROSPECTIVE BIDDERS

Please note the following revisions to the proposal.

- Revision of Plan Page C-1 revising the Culvert Backfill to #57 Stone. Please see attached pages AAA1.
- Revision of proposal page ST-16 Culvert Backfill to revise the backfill to #57 Stone. Please see attached page AAA2.
- Revision of Contract Item 0100 to Tons. Please see attached pages AAA3-AAA9.
- A revised electronic file has been uploaded to bid express named DB00544.001.

**Please make sure to sign the addendum page in the proposal to acknowledge this addendum.**

Sincerely,

DocuSigned by:  
*Mary Voelker Moore*  
714C11DCCEBC4C6...

Mary Voelker Moore, PE  
Division Contract Engineer

cc: Mr. Michael Aman, PE  
Mr. Jordan Scott, PE  
Ms. Heather C. Lane, PE  
Mr. Brad McMannen, PE  
Mr. Cadmus Capehart, PE  
Mr. Hon Yeung, PE

**CULVERT BACKFILL (#57 STONE)****(SPECIAL)****Description**

Culvert backfill shall be #57 stone and placement of the backfill shall be in accordance with the manufacturer's recommendations and the following provision.

**Materials**

<b>Item</b>	<b>Section</b>
# 57 Stone	1005

**Construction Methods**

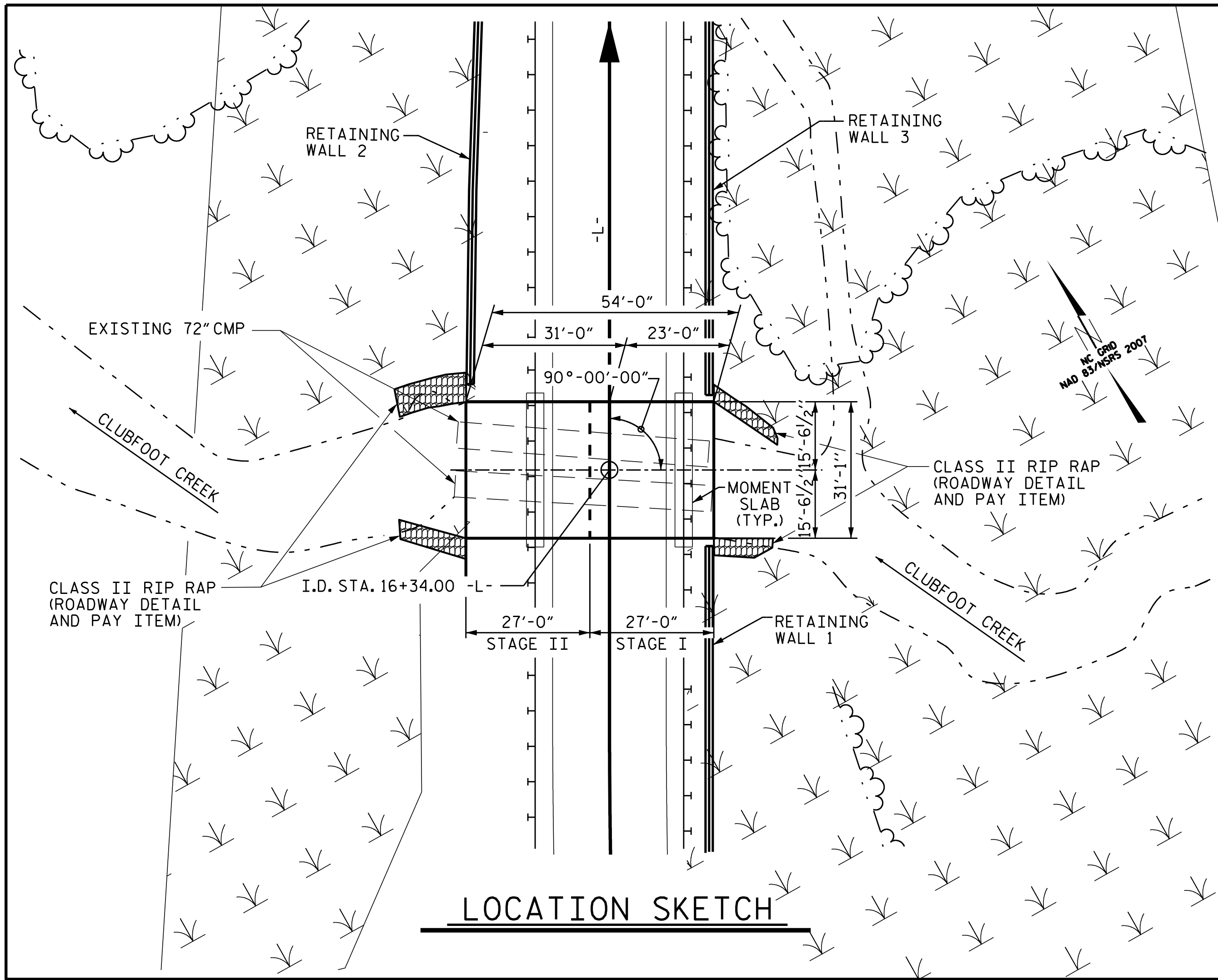
The stone shall be placed and compacted as directed by the manufacturer's specifications.

**Measurement and Payment**

*#57 Stone* will be measured and paid in tons that are completed and accepted. The stone will be measured by being weighed in trucks on certified platform scales or other certified weighing devices. The price and payment will be full compensation for furnishing, hauling, placing, and all incidentals necessary to complete the work.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Culvert Backfill (#57 Stone)	Ton



### GRADE DATA

GRADE POINT ELEV. @ STATION	= 6.26
BED ELEV. @ STATION	= -5.4
ROADWAY SLOPES	= VARIES

### HYDRAULIC DATA

DESIGN DISCHARGE	= 580 CFS
FREQUENCY OF DESIGN FLOOD	= 25 YEARS
DESIGN HIGH WATER ELEVATION	= 4.5 FEET
DRAINAGE AREA	2.1 SQ. MI.
BASIC DISCHARGE (Q100)	= 850 CFS
BASIC HIGH WATER ELEVATION	= 6 FEET

### OVERTOPPING FLOOD DATA

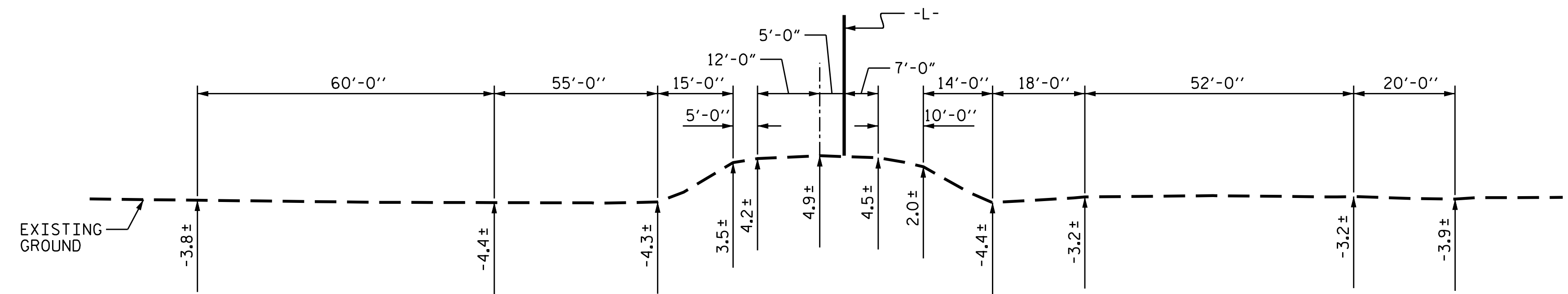
OVERTOPPING DISCHARGE	= 850 CFS
FREQUENCY OF OVERTOPPING FLOOD	= 100+/- YEARS
OVERTOPPING FLOOD ELEVATION	= 6 FEET
OVERTOPPING FLOOD STATION	= 12+00 -L-

### NOTES

- ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.
- THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.
- FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.
- CULVERT IS TO BE DESIGN FOR A MINIMUM FILL DEPTH OF 2'-0" AND A MAXIMUM OF 5'-0" ABOVE THE CROWN OF CULVERT.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.
- FOR GROUT FOR STRUCTURE, SEE SPECIAL PROVISIONS.
- THIS STRUCTURE CONTAINS THE NECESSARY CORROSION PROTECTION REQUIRED FOR A CORROSIVE SITE.
- FOR LIMITS OF TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE TRAFFIC CONTROL PLANS. FOR PAY ITEM FOR TEMPORARY SHORING FOR MAINTENANCE OF TRAFFIC, SEE ROADWAY PLANS.
- THE EXISTING TWO 72" CMP'S SHALL BE REMOVED.
- FOR ALUMINUM BOX CULVERT, SEE SPECIAL PROVISIONS.
- THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF CULVERT BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.
- ALL MATERIAL SHALL MEET THE REQUIREMENTS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES DATED JANUARY 2018.
- THE DETAILS SHOWN ARE FOR GENERAL LAYOUT ONLY. THE SUPPLIER SHALL PROVIDE DESIGN AND DETAILS FOR REVIEW AND APPROVAL THAT MEET THE REQUIREMENTS OF AASHTO LRFD BRIDGE SPECIFICATION, SECTION 12, AND ARE SEALED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER.
- UNLESS OTHERWISE INDICATED, THE SUPPLIER SHALL DESIGN, DETAIL, AND FURNISH ALL STRUCTURAL ELEMENTS AND HARDWARE.
- GUARDRAIL POST LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER TO ENSURE ADOQUATE COVER FOR INSTALLATION.
- FOR CULVERT DIVERSION DETAILS AND PAY ITEM, SEE EROSION CONTROL PLANS.
- FOR TRAFFIC PHASING, SEE TRAFFIC CONTROL PLANS.
- ALL BAR SUPPORTS USED IN THE MOMENT SLAB AND ALL INCIDENTAL REINFORCING STEEL SHALL BE EPOXY COATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- FOR CULVERT BACKFILL, SEE SPECIAL PROVISIONS.

(#57 STONE)

TOTAL STRUCTURE QUANTITIES	
ALUMINUM BOX CULVERT	LUMP SUM
REMOVAL OF EXISTING STRUCTURE	LUMP SUM
CULVERT EXCAVATION	LUMP SUM
CULVERT BACKFILL (#57 STONE)	1163 TONS
EPOXY COATED REINF. STEEL (MOMENT SLAB)	1492 LBS
CLASS AA CONCRETE (MOMENT SLAB)	11.2 CY
FOUNDATION COND. MAT'L.	134 TONS

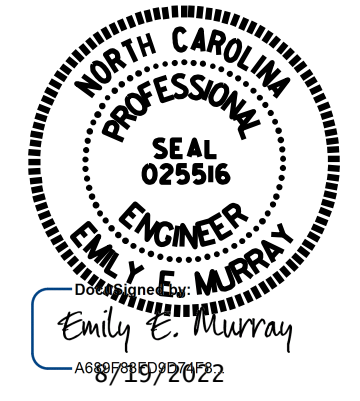


PROFILE ALONG CULVERT

I HEREBY CERTIFY THESE PLANS ARE THE AS-BUILT PLANS

PROJECT NO. BP2.R020.1  
CRAVEN COUNTY  
 STATION: 16+34.00 -L-

SHEET 1 OF 3



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 31'-1" X 9'-2"  
 ALUMINUM  
 BOX CULVERT  
 90°00'00" SKEW

**VOLKERT**  
 5430 Wade Park Blvd., Suite 410  
 Raleigh, NC 27607  
 Tel. 919-854-0344 Fax. 919-854-0355  
 NC License No. F-0765

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-1
1			3			TOTAL SHEETS
2			4			5

DRAWN BY :	D. A. GLADDEN	DATE :	3/22
CHECKED BY :	P.N.HOLDER	DATE :	7/22
DESIGN ENGINEER OF RECORD:	E.E.MURRAY	DATE :	7/22

County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0036000000-E	225	UNDERCUT EXCAVATION	300 CY		
0003	0043000000-N	226	GRADING	Lump Sum	L.S.	
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0195000000-E	265	SELECT GRANULAR MATERIAL	300 CY		
0006	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	600 SY		
0007	0199000000-E	SP	TEMPORARY SHORING	1,542 SF		
0008	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	42 TON		
0009	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	130 SY		
0010	0335100000-E	305	12" DRAINAGE PIPE	56 LF		
0011	0335400000-E	305	24" DRAINAGE PIPE	232 LF		
0012	0344000000-E	310	18" SIDE DRAIN PIPE	92 LF		
0013	0995000000-E	340	PIPE REMOVAL	192 LF		
0014	1099500000-E	505	SHALLOW UNDERCUT	100 CY		
0015	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	190 TON		
0016	1121000000-E	520	AGGREGATE BASE COURSE	730 TON		
0017	1220000000-E	545	INCIDENTAL STONE BASE	20 TON		

County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	1275000000-E	600	PRIME COAT	720 GAL		
0019	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1.5" DEPTH)	100 SY		
0020	1330000000-E	607	INCIDENTAL MILLING	260 SY		
0021	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	700 TON		
0022	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	430 TON		
0023	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	690 TON		
0024	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	105 TON		
0025	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	100 TON		
0026	2022000000-E	815	SUBDRAIN EXCAVATION	448 CY		
0027	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	2,000 SY		
0028	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	336 CY		
0029	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	2,000 LF		
0030	2070000000-N	815	SUBDRAIN PIPE OUTLET	4 EA		
0031	2077000000-E	815	6" OUTLET PIPE	24 LF		
0032	2264000000-E	840	PIPE PLUGS	1 CY		
0033	2275000000-E	SP	FLOWABLE FILL	30 CY		
0034	2612000000-E	848	6" CONCRETE DRIVEWAY	30 SY		

County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	3030000000-E	862	STEEL BEAM GUARDRAIL	950 LF		
0036	3045000000-E	862	STEEL BEAM GUARDRAIL, SHOP CURVED	100 LF		
0037	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0038	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	1 EA		
0039	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	1 EA		
0040	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	2 EA		
0041	3635000000-E	876	RIP RAP, CLASS II	60 TON		
0042	3649000000-E	876	RIP RAP, CLASS B	6 TON		
0043	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	575 SY		
0044	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	172 SF		
0045	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	10 SF		
0046	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	2 EA		
0047	4424500000-N	SP	TEMPORARY PORTABLE TRAFFIC SIGNAL SYSTEM	1 EA		
0048	4430000000-N	1130	DRUMS	265 EA		
0049	4445000000-E	1145	BARRICADES (TYPE III)	12 LF		
0050	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	8 EA		
0051	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	1,369 LF		

County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM 4' X 12' STEEL ROAD PLATE	1 EA		
0053	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM 6' X 20' STEEL ROAD PLATE	1 EA		
0054	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM 8' X 20' STEEL ROAD PLATE	1 EA		
0055	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	11,415 LF		
0056	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	96 LF		
0057	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	3,000 LF		
0058	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	96 LF		
0059	5328000000-E	1510	30" WATER LINE	680 LF		
0060	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	440 LB		
0061	5606000000-E	1515	2" BLOW OFF	2 EA		
0062	5678600000-E	1515	8" LINE STOP	2 EA		
0063	5801000000-E	1530	ABANDON 8" UTILITY PIPE	670 LF		
0064	5872600000-E	1550	DIRECTIONAL DRILLING OF *** (8" WATER LINE)	566 LF		
0065	6000000000-E	1605	TEMPORARY SILT FENCE	4,055 LF		
0066	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	75 TON		
0067	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	185 TON		
0068	6012000000-E	1610	SEDIMENT CONTROL STONE	165 TON		



County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	6015000000-E	1615	TEMPORARY MULCHING	2 ACR		
0070	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200 LB		
0071	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1 TON		
0072	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0073	6029000000-E	SP	SAFETY FENCE	1,720 LF		
0074	6030000000-E	1630	SILT EXCAVATION	230 CY		
0075	6036000000-E	1631	MATTING FOR EROSION CONTROL	2,200 SY		
0076	6037000000-E	SP	COIR FIBER MAT	480 SY		
0077	6042000000-E	1632	1/4" HARDWARE CLOTH	10 LF		
0078	6045000000-E	SP	*** TEMPORARY PIPE (12")	59 LF		
0079	6045000000-E	SP	*** TEMPORARY PIPE (24")	235 LF		
0080	6070000000-N	1639	SPECIAL STILLING BASINS	4 EA		
0081	6071013000-E	SP	WATTLE BARRIER	290 LF		
0082	6071020000-E	SP	POLYACRYLAMIDE (PAM)	100 LB		
0083	6084000000-E	1660	SEEDING & MULCHING	3 ACR		
0084	6087000000-E	1660	MOWING	3 ACR		
0085	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		

County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0086	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0087	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50 LB		
0088	6108000000-E	1665	FERTILIZER TOPDRESSING	1.25 TON		
0089	6111000000-E	SP	IMPERVIOUS DIKE	150 LF		
0090	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0091	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	25 EA		
0092	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	2 EA		
0093	6123000000-E	1670	REFORESTATION	0.1 ACR		
<b>CULVERT</b>						
0094	8056000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (16+34.00 -L-)	Lump Sum	L.S.	
0095	8126000000-N	414	CULVERT EXCAVATION, STA ***** (16+34.00 -L-)	Lump Sum	L.S.	
0096	8133000000-E	414	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT (FOUNDATION COND. MAT'L. )	134 TON		
0097	8175000000-E	420	CLASS AA CONCRETE (BRIDGE)	11.2 CY		
0098	8248000000-E	425	EPOXY COATED REINFORCING STEEL (CULVERT)	1,492 LB		
0099	8804000000-N	SP	GENERIC CULVERT ITEM 31'-1" X 9'-2" ALUMINUM BOX CULVERT	Lump Sum	L.S.	
0100	8818000000-E	SP	GENERIC CULVERT ITEM CULVERT BACKFILL (#57 STONE)	1,163 TON		

County: CRAVEN

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>WALL ITEMS</b>						
0101	8847000000-E	SP	GENERIC RETAINING WALL ITEM GALVANIZED SHEET PILE RETAINING WALLS	16,327 SF		

0932/Nov03/Q62651.8/D414066533000/E101

Total Amount Of Bid For Entire Project :