



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. R. "JOEY" HOPKINS
SECRETARY

December 1, 2023

ADDENDUM NUMBER 1

Division Eleven

Contract No.: DK00389
WBS: 17BP.11.R.121
County: Watauga
Federal Aid No.: N/A
Location: Replace Bridge 940089 on SR 1351 (Castle Ford Road) Over South Fork New River
Type of Work: Grading, Drainage, Paving, And Structures
Bid Opening: December 7, 2023

To Whom It May Concern:

Reference is made to the proposal furnished to you on this project.

The following revisions have been made to the Structure Plans:

Sheet Number	Revision
S-3	Summary of Drilled Pier Information/Installation Table Update to reflect corrected quantities for Drilled Pier in Soil and Drilled Pier Not in Soil.
S-4	Total Bill of Material Table Updated to Reflect Additional Line Items-Foundation Excavation For End Bent No. 1 at Station 12+94.15 -L- and Foundation Excavation For End Bent No. 2 at Station 14+06.87 -L- and Corrected Drilled Pier in Soil and Drilled Pier Not in Soil Quantities.

Please void the above listed Sheets in your plans and staple the revised Sheets thereto.

On the Bid Form Sheets the following pay item revisions have been made:

ITEM	DESCRIPTION	OLD QUANTITY	NEW QUANTITY
8084000000-N	FOUNDATION EXCAVATION FOR END BENT 1 AT STATION 12+94.15 -L-	0	1 LS

Mailing Address:
NC DEPT. OF TRANSPORTATION
DIVISION ELEVEN
P. O. BOX 250
NORTH WILKESBORO, NC 28659

Telephone: (336) 903-9101
Website: www.ncdot.org

Location:
NC DEPT. OF TRANSPORTATION
DIVISION ELEVEN
801 STATESVILLE RD
NORTH WILKESBORO, NC 28659

8084000000-N	FOUNDATION EXCAVATION FOR END BENT 2 AT STATION 14+06.87 -L-	0	1 LS
8105520000-E	3'-0" DIA DRILLED PIERS IN SOIL	81.2 LF	19.7 LF
8105620000-E	3'-0" DIA DRILLED PIERS NOT IN SOIL	51 LF	30.8 LF

The Contractor's Bid must include these pay item revisions.

The electronic bidding file has been updated to reflect this revision. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

This revision is reflected on the Proposal and Plans currently on the Division 11 Letting Page.

The contract will be prepared accordingly.

If you have questions about bidding on this project or any other question concerning this project, please contact me at (336) 903-9115 or belmore@ncdot.gov.

Sincerely,

DocuSigned by:
Bethany Elmore
ED2EB0CF5B9342E...

Bethany Elmore, PE
Division Contract Engineer

CC: Michael Poe, PE, Division Engineer
Ivan Dishman, PE, Division Construction Engineer
Brandon Whitaker, PE, Division Maintenance Engineer
Ramie Shaw, PE, Division Project Development Engineer
Rob Weisz, PE, Division Bridge Program Manager
Joe Laws, PE, Embedded Project Manager

County: WATAUGA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0043000000-N	226	GRADING	Lump Sum	L.S.	
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0057000000-E	226	UNDERCUT EXCAVATION	100 CY		
0006	0194000000-E	265	SELECT GRANULAR MATERIAL, CLASS III	100 CY		
0007	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	600 SY		
0008	0248000000-N	SP	GENERIC GRADING ITEM (TYPE 1 BRIDGE APPROACH FILL, STATION 13+50.50 -L-)	Lump Sum	L.S.	
0009	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	30 TON		
0010	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	90 SY		
0011	0335200000-E	305	15" DRAINAGE PIPE	108 LF		
0012	0335300000-E	305	18" DRAINAGE PIPE	52 LF		
0013	0354000000-E	310	**** RC PIPE CULVERTS, CLASS **** (18", V)	44 LF		
0014	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	44 LF		
0015	0995000000-E	340	PIPE REMOVAL	161 LF		
0016	1099500000-E	505	SHALLOW UNDERCUT	100 CY		
0017	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	190 TON		

County: WATAUGA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	1121000000-E	520	AGGREGATE BASE COURSE	75 TON		
0019	1220000000-E	545	INCIDENTAL STONE BASE	240 TON		
0020	1330000000-E	607	INCIDENTAL MILLING	167 SY		
0021	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	210 TON		
0022	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	320 TON		
0023	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	30 TON		
0024	2022000000-E	815	SUBDRAIN EXCAVATION	56 CY		
0025	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	250 SY		
0026	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	42 CY		
0027	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	250 LF		
0028	2070000000-N	815	SUBDRAIN PIPE OUTLET	1 EA		
0029	2077000000-E	815	6" OUTLET PIPE	6 LF		
0030	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	5 EA		
0031	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	0.01 LF		
0032	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	2 EA		
0033	2407000000-N	840	STEEL FRAME WITH TWO GRATES, STD 840.37	3 EA		
0034	2556000000-E	846	SHOULDER BERM GUTTER	25 LF		

County: WATAUGA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	3030000000-E	862	STEEL BEAM GUARDRAIL	50 LF		
0036	3045000000-E	862	STEEL BEAM GUARDRAIL, SHOP CURVED	37.5 LF		
0037	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	5 EA		
0038	3180000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE ***** (TYPE III, SC)	2 EA		
0039	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	1 EA		
0040	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	2 EA		
0041	3288000000-N	SP	GUARDRAIL END UNITS, TYPE TL-2	3 EA		
0042	3628000000-E	876	RIP RAP, CLASS I	30 TON		
0043	3642000000-E	876	RIP RAP, CLASS A	40 TON		
0044	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	610 SY		
0045	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	529 SF		
0046	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	96 SF		
0047	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	100 SF		
0048	4430000000-N	1130	DRUMS	10 EA		
0049	4435000000-N	1135	CONES	30 EA		
0050	4445000000-E	1145	BARRICADES (TYPE III)	64 LF		
0051	4455000000-N	1150	FLAGGER	20 DAY		

County: WATAUGA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	4,414 LF		
0053	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	40 LF		
0054	6000000000-E	1605	TEMPORARY SILT FENCE	660 LF		
0055	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	120 TON		
0056	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	145 TON		
0057	6012000000-E	1610	SEDIMENT CONTROL STONE	210 TON		
0058	6015000000-E	1615	TEMPORARY MULCHING	0.5 ACR		
0059	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	50 LB		
0060	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	0.25 TON		
0061	6024000000-E	1622	TEMPORARY SLOPE DRAINS	50 LF		
0062	6029000000-E	SP	SAFETY FENCE	520 LF		
0063	6030000000-E	1630	SILT EXCAVATION	200 CY		
0064	6036000000-E	1631	MATTING FOR EROSION CONTROL	1,000 SY		
0065	6037000000-E	SP	COIR FIBER MAT	231 SY		
0066	6042000000-E	1632	1/4" HARDWARE CLOTH	140 LF		
0067	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	195 SY		
0068	6070000000-N	1639	SPECIAL STILLING BASINS	6 EA		

County: WATAUGA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	6071020000-E	SP	POLYACRYLAMIDE (PAM)	20 LB		
0070	6084000000-E	1660	SEEDING & MULCHING	0.5 ACR		
0071	6087000000-E	1660	MOWING	0.5 ACR		
0072	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0073	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0074	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50 LB		
0075	6108000000-E	1665	FERTILIZER TOPDRESSING	0.25 TON		
0076	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0077	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	9 EA		
0078	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	2 EA		
STRUCTURE ITEMS						
0079	8017000000-N	SP	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (13+50.50 -L-)	Lump Sum	L.S.	
0080	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (13+50.50 -L-)	Lump Sum	L.S.	
0081	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0082	8105520000-E	411	3'-0" DIA DRILLED PIERS IN SOIL	19.7 LF		
0083	8105620000-E	411	3'-0" DIA DRILLED PIERS NOT IN SOIL	30.8 LF		
0084	8111200000-E	411	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER	16.8 LF		

County: WATAUGA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0085	8113000000-N	411	SID INSPECTIONS	1 EA		
0086	8115000000-N	411	CSL TESTING	1 EA		
0087	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (13+50.50 -L-)	Lump Sum	L.S.	
0088	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	337.8 CY		
0089	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (13+50.50 -L-)	Lump Sum	L.S.	
0090	8217000000-E	425	REINFORCING STEEL (BRIDGE)	54,090 LB		
0091	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	1,301 LB		
0092	8468000000-E	460	ONE BAR METAL RAIL	204.14 LF		
0093	8517000000-E	460	1'***" X *****" CONCRETE PARAPET (1'-0" X 1'-8 3/4")	220.29 LF		
0094	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0095	8762000000-E	430	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS	1,210 LF		
0096	8084000000-N	410	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (END BENT 1 AT STATION 12+94.15 -L-)	Lump Sum	L.S.	
0097	8084000000-N	410	FOUNDATION EXCAVATION FOR END BENT ** AT STATION ***** (END BENT 2 AT STATION 14+06.87 -L-)	Lump Sum	L.S.	

1239/Dec01/Q70500.29/D419783760000/E97

Total Amount Of Bid For Entire Project :

SUMMARY OF DRILLED PIER INFORMATION/INSTALLATION

(BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)

	FACTORED RESISTANCE PER PIER	MINIMUM PIER TIP (TIP NO HIGHER THAN ELEVATION)	REQUIRED TIP RESISTANCE PER PIER	SCOUR CRITICAL ELEVATION	MINIMUM DRILLED PIER PENETRATION INTO ROCK PER PIER	DRILLED PIER LENGTH PER PIER	DRILLED PIER LENGTH NOT IN SOIL PER PIER	DRILLED PIER LENGTH IN SOIL PER PIER	PERMANENT STEEL CASING REQUIRED	PERMANENT STEEL CASING TIP ELEVATION (ELEV. NOT TO EXTEND CASING BELOW)	PERMANENT STEEL CASING LENGTH * PER PIER
	TONS	FT.	TSF	FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	YES/MAYBE	FT.	LIN. FT.
BENT 1, PIERS 1	425	2955.0	40	2961	6.0	14.3	10.6	3.7	YES	2963.7	5.6
BENT 1, PIERS 2 & 3	425	2951.2	105	2960	6.0	18.1	10.1	8.0	YES	2963.7	5.6

*PERMANENT STEEL CASING LENGTH EQUALS THE DIFFERENCE BETWEEN THE GROUND LINE OR TOP OF DRILLED PIER ELEVATION, WHICHEVER IS HIGHER, AND THE PERMANENT CASING TIP ELEVATION.

SUMMARY OF DRILLED PIER TESTING

(BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)

	STANDARD PENETRATION TEST (SPT) REQUIRED?	CROSSHOLE SONIC LOGGING (CSL) REQUIRED? *	TOTAL CSL TUBE LENGTH (FOR ALL TUBES) PER PIER	SHAFT INSPECTION DEVICE (SID) REQUIRED?	PILE INTEGRITY TEST (PIT) REQUIRED?
	YES/MAYBE	YES/MAYBE	LIN. FT.	YES/MAYBE	YES/MAYBE
BENT 1, PIERS 1-3		MAYBE	329	MAYBE	
TOTAL QTY		1	329	1	

* CSL TUBES ARE REQUIRED IF CSL TESTING IS OR MAY BE REQUIRED. THE NUMBER OF CSL TUBES PER DRILLED PIER IS EQUAL TO ONE TUBE PER FOOT OF DESIGN PIER DIAMETER WITH AT LEAST 4 TUBES PER PIER. THE LENGTH OF EACH CSL TUBE IS EQUAL TO THE DRILLED PIER LENGTH PLUS 1.5 FT.

SUMMARY OF SPREAD FOOTING INFORMATION

(BLANK ENTRIES INDICATE ITEM IS NOT APPLICABLE TO STRUCTURE)

	FACTORED BEARING RESISTANCE	FACTORED DIMENSIONS (LENGTH X WIDTH)	REQUIRED BEARING RESISTANCE	SCOUR CRITICAL ELEVATION	MINIMUM BOTTOM OF FOOTING (FOOTING NO HIGHER THAN) ELEVATION
	TSF	FT. X FT.	TSF	FT.	FT.
END BENT 1	6	SEE PLAN	15	2963	2962.5
END BENT 2	10	SEE PLAN	25	2969	2969.0

NOTES:

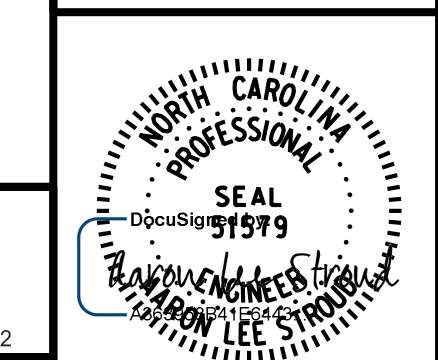
THE DRILLED PIER FOUNDATION TABLES ARE BASED ON THE BRIDGE SUBSTRUCTURE DESIGN AND FOUNDATION RECOMMENDATIONS SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER (JEREMY R. HAMM, PE#039779)

THE ENGINEER WILL DETERMINE THE NEED FOR PERMANENT STEEL CASING, SPTs, CSL TESTING, SID INSPECTIONS, AND PITs WHEN THESE ITEMS MAY BE REQUIRED.

PROJECT NO. 17BP.11.R.121
WATAUGA COUNTY
 STATION: 13+50.50 -L-

SHEET 3 OF 4

BRIDGE NO. 940089



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 DRILLED PIER AND
 SPREAD FOOTING
 FOUNDATION
 TABLES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-3
1			3			TOTAL SHEETS
2			4			25

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

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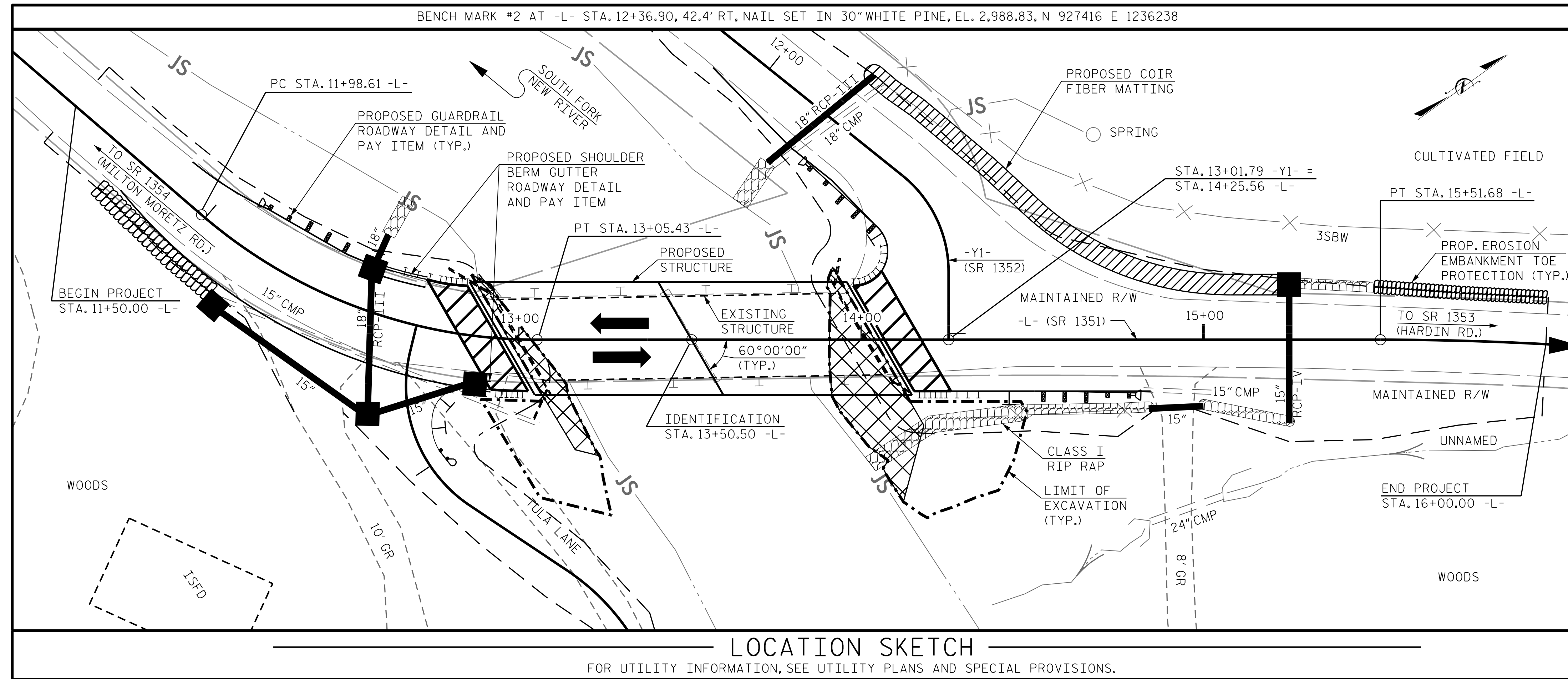
DRAWN BY : B. H. GONFA DATE : SEP 2023
 CHECKED BY : O. J. PAITEL DATE : SEP 2023
 DESIGN ENGINEER OF RECORD : A. L. STROUD DATE : SEP 2023

TOTAL BILL OF MATERIAL

	REMOVAL OF EXISTING STRUCTURE AT STA. 13+50.50 -L-	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMPORARY ACCESS AT STA. 13+50.50 -L-	ASBESTOS ASSESSMENT	3'-0" Ø DRILLED PIERS NOT IN SOIL	3'-0" Ø DRILLED PIERS IN SOIL	PERMANENT STEEL CASING FOR 3'-0" Ø DRILLED PIERS	SID INSPECTIONS	CSL TESTING	UNCLASSIFIED STRUCTURE EXCAVATION AT STA. 13+50.50 -L-	FOUNDATION EXCAVATION FOR END BENT NO. 1 AT STATION 12+94.15 -L-	FOUNDATION EXCAVATION FOR END BENT NO. 2 AT STATION 14+06.87 -L-	CLASS A CONCRETE	BRIDGE APPROACH SLAB AT STA. 13+50.50 -L-	REINFORCING STEEL	SPIRAL COLUMN REINFORCING STEEL	ONE BAR METAL RAIL	1'-0" X 1'-8 3/4" CONCRETE PARAPET
	LUMP SUM	LUMP SUM	LUMP SUM	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	LUMP SUM	LUMP SUM	LUMP SUM	CU. YDS.	LUMP SUM	LBS.	LBS.	LIN. FT.	LIN. FT.
SUPERSTRUCTURE													LUMP SUM			204.14	220.29
END BENT 1												176.3		26,203			
BENT 1				30.8	19.7	16.8						19.3		9,834	1,301		
END BENT 2												142.2		18,053			
TOTAL	LUMP SUM	LUMP SUM	LUMP SUM	30.8	19.7	16.8	1	1	LUMP SUM	LUMP SUM	LUMP SUM	337.8	LUMP SUM	54,090	1,301	204.14	220.29

TOTAL BILL OF MATERIAL

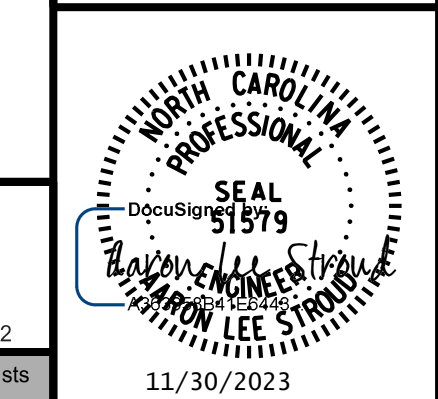
	ELASTOMERIC BEARINGS	3'-0" X 1'-9" PRESTRESSED CONCRETE CORED SLABS
	LUMP SUM	NO. LIN. FT.
SUPERSTRUCTURE		22 1,210.00
END BENT 1		
BENT 1		
END BENT 2		
TOTAL	LUMP SUM	22 1,210.00



PROJECT NO. 17BP.11.R.121
 WATAUGA COUNTY
 STATION: 13+50.50 -L-

SHEET 4 OF 4

BRIDGE NO. 940089



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11/30/2023

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
GENERAL DRAWING
 FOR BRIDGE ON SR 1351
 (CASTLE FORD RD.) OVER SOUTH
 FORK NEW RIVER BETWEEN
 SR 1354 (MILTON MORETZ RD.)
 AND SR 1352 (RIVER RD.)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1			3			TOTAL SHEETS
2			4			25

**DOCUMENT NOT CONSIDERED FINAL
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11/30/2023 R:\Structures\DN\Final\17BP.11.R.121_SMU_LS_940089.dgn

DRAWN BY : B. H. GONFA DATE : SEP 2023
 CHECKED BY : O. J. PAITEL DATE : SEP 2023
 DESIGN ENGINEER OF RECORD : A. L. STROUD DATE : SEP 2023