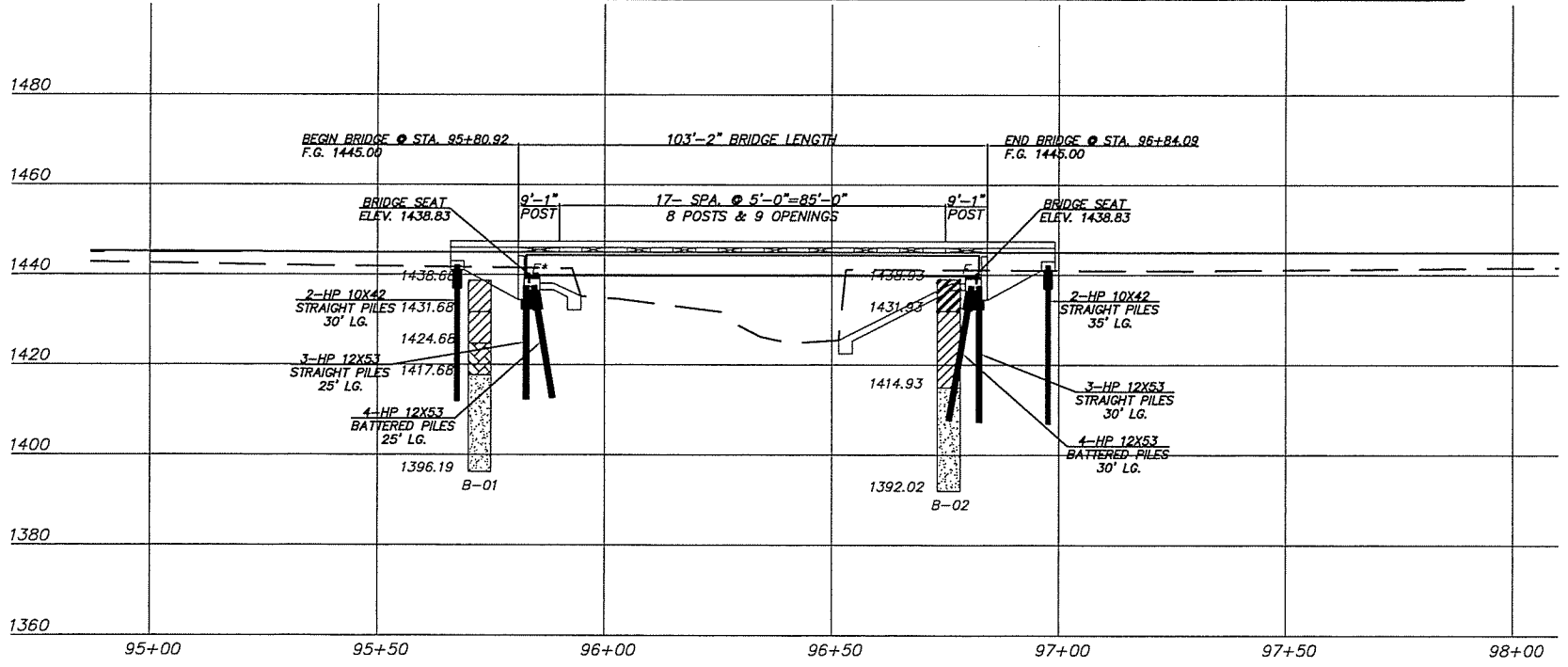


PAY QUANTITIES						
ITEM	DESCRIPTION	UNIT	ABUTMENT	SUPER STRUCTURE	TOTAL QUANTITY	
501(B)	1307	SUBSTRUCTURE EXCAVATION COMMON	C.Y.	190.00	0.00	190.00
501(F)	6352	GRANULAR BACKFILL	C.Y.	88.00	0.00	88.00
503(A)	1313	PRESTRESSED CONCRETE BEAMS (TYPE IV)	L.F.	0.00	299.00	299.00
504(D)	6239	CONCRETE RAIL (TR3)	L.F.	60.00	206.40	266.40
506(A)	1322	STRUCTURAL STEEL	LBS.	0.00	510.00	510.00
507(A)	6172	WEATHERING STEEL FIXED BEARING ASSEMBLY	EA.	0.00	3.00	3.00
507(B)	6176	WEATHERING STEEL EXP. BEARING ASSEMBLY	EA.	0.00	3.00	3.00
509(A)	1326	CLASS AA CONCRETE	C.Y.	0.00	79.00	79.00
509(B)	1328	CLASS A CONCRETE	C.Y.	69.80	0.00	69.80
511(A)	1332	REINFORCING STEEL	LBS.	9,960.00	18,340.00	28,300.00
514(A)	6010	PILES, FURNISHED (HP10X42)	L.F.	130.00	0.00	130.00
514(A)	6011	PILES, FURNISHED (HP12X53)	L.F.	385.00	0.00	385.00
514(B)	6292	PILES, DRIVEN (HP10X42)	L.F.	130.00	0.00	130.00
514(B)	6294	PILES, DRIVEN (HP12X53)	L.F.	385.00	0.00	385.00
601(B)	1353	TYPE I-A PLAIN RIPRAP	TON	541.00	0.00	541.00
601(C)	1355	TYPE I-A FILTER BLANKET	TON	181.00	0.00	181.00
613(H)	0450	6" PERFORATED PIPE UNDERDRAIN ROUND	L.F.	52.00	0.00	52.00
613(I)	1096	6" NON-PERFORATED PIPE UNDERDRAIN ROUND	L.F.	30.00	0.00	30.00
619(D)	1397	REMOVAL OF EXISTING BRIDGE STRUCTURE	L. SUM	0.00	0.00	1.00
623(F)	5686	GUARDRAIL ANCHOR UNIT (TYPE D-BF)	EA.	0.00	0.00	4.00
623(F)	6030	GUARDRAIL ANCHOR UNIT (TYPE A)	EA.	0.00	0.00	4.00
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	L. SUM	0.00	0.00	1.00

CONTROL POINT NO. 1	CONTROL POINT NO. 3	BENCHMARK NO. 402	CONTROL POINT NO. 2
1/2" IRON PIN	1/2" IRON PIN	1/2" IRON PIN	1/2" IRON PIN
29.32 FT. LT.	18.35 FT. RT.	28.46 FT. LT.	22.80 FT. RT.
STA. 90+75.69	STA. 96+79.57	STA. 99+00.76	STA. 99+81.69
ELEV. 1452.704	ELEV. 1440.100	ELEV. 1440.916	ELEV. 1444.18
X=1757564.8711	Y=643707.7180	X=1757576.5650	Y=644500.2330
	X=1757620.7850	Y=644500.2330	X=1757629.3710
	Y=644310.8870		Y=644612.9250



NOTE:  
SEE SHEET NO. 15-16  
FOR BORING INFORMATION  
\*USE SLOTTED ANCHOR PLATES,  
SEE STD.  
CB26-C-SK0..30-BRG-PC4-01E

B-1 PENETROMETER TEST		B-2 PENETROMETER TEST	
50/1.75"	50/1.0"	1416.93	50/3.0"
50/1.25"	50/0.63"	1411.68	50/0.5"
50/1.0"	50/0.5"	1406.68	50/2.33"
50/1.63"	50/1.0"	1401.43	50/1.25"
50/2.0"	50/1.25"	1396.19	50/2.5"
			50/1.5"
			50/2.0"
			50/1.25"

BORING LEGEND	
	LEAN CLAY W/ SAND
	FAT CLAY W/ SAND & GRAVEL
	SILTY CLAY W/ SAND
	WEATHERED SANDSTONE W/ SILTSTONE & SHALE

**LOADING DATA**

ABUTMENT PILES (HP 12X53):  
FACTOR PILE REACTION = 71.6 TONS/PILE. ALL ABUTMENT PILING SHALL BE DRIVEN THROUGH THE COMPACTED FILL. STEEL PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL UNTIL THE REQUIRED FACTOR PILE CAPACITY OF 71.6 TONS PER PILE IS OBTAINED.

**DESIGN DATA**

CONCRETE (CLASS A) F'C=3,000 PSI  
CONCRETE (CLASS AA) F'C=4,000 PSI  
REINFORCING STEEL (GR 60) F<sub>y</sub>=60,000 PSI  
STRUCTURAL STEEL (GR 50W) F<sub>y</sub>=50,000 PSI

LOADING: HL-93 20 PSF FUTURE WEARING SURFACE  
5 PSF STAY-IN-PLACE FORMS

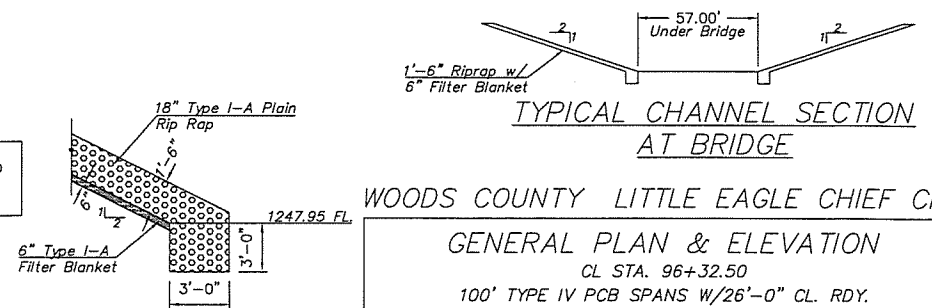
DESIGN SPECIFICATIONS - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION WITH 2010 INTERIMS, EXCEPT AS MODIFIED BY CURRENT ODOT BRIDGE DIVISION DESIGN POLICIES. ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.  
LFD OPERATING RATING: HS 54.2

**HYDRAULIC DATA**

D.A. = 33.72 SQ. MI.  
SCS CONTROLLED D.A. = 0.00 SQ. MI.  
EFFECTIVE DRAINAGE AREA = 33.72 SQ. MI.  
Q25 = 5,630.00 C.F.S.  
V25 = 7.03 F.P.S.  
Q25 CALC. B.W. 1,441.15 FT.  
Q50 = 7,640.00 C.F.S.  
V50 = 8.08 F.P.S.  
Q50 = CALC. B.W. 1,443.44 FT.  
Q100 = 9,760.00 C.F.S.  
V100 = 9.11 F.P.S.  
Q100 = CALC. B.W. 1,445.85 FT.  
QO.T. = 9,760.00 C.F.S.  
OVERTOPPING ELEV. (LOW) = 1,445.00 FT.  
VO.T. (BRIDGE) = 9.11 F.P.S.  
EXTREME HIGHWATER ON RECORD = N/A  
MAXIMUM SCOUR DEPTH = 12.03 FT.

CONTRACTOR NOTE:  
EXTEND RIP RAP TO THE  
SECOND GUARDRAIL POST.

NOTE:  
"TOEING-IN" APPLIES TO  
THE ENTIRE LENGTH OF  
THE BASE OF RIPRAP.



DETAIL OF TYPE I-A PLAIN RIPRAP

WOODS COUNTY LITTLE EAGLE CHIEF CR.  
GENERAL PLAN & ELEVATION  
CL STA. 96+32.50  
100' TYPE IV PCB SPANS W/26'-0" CL. RDY.  
0 DEG. L.F. W/1'-1" TR3 CONC. RAILS  
J/P NO. 28347(04) SHEET NO. 8