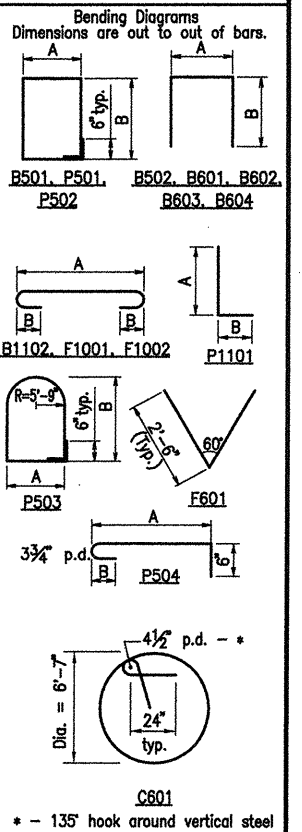


COMPANY\1999 JOBS\99-044 AHTD\WHITERIVER\JOB 110394\3mainpiers1&2 ACAD SCALE: 3/16"=1'-0"

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6-3-2010					ARK.			
				JOB NO.	110394	66	196	
				06830	PIERS	41978		

BAR LIST-PER PIER

Mark	No.	Req'd	Length	'A'	'B'	P.D.
B501	120	24'-6"	4'-10"	7'-2"	3"	
B502	18	21'-3 1/2"	7'-2"	7'-2"	2 1/2"	
B601	28	49'-8"	4'-8"	2'-0"	4 1/2"	
B602	28	8'-4"	4'-8"	2'-0"	4 1/2"	
B603	24	Z	Y	2'-0"	4 1/2"	
B604	81	9'-10"	3'-6"	3'-4"	4 1/2"	
B605	18	7'-9"			Str.	
B1101	26	49'-8"			Str.	
B1102	26	52'-8"	49'-8"	1'-0 1/2"	11 1/4"	
C601	2	F	See Dwg. 41976			
C1101	72	C			Str.	
P501	75	48'-2"	11'-6"	12'-4"	2 1/2"	
P502	150	44'-2"	11'-6"	10'-4"	2 1/2"	
P503	150	40'-5"	11'-6"	10'-11"	2 1/2"	
P504	897	12'-5 3/4"	11'-6"	5"	2 1/2"	
P505	11	41'-0"			Str.	
P1101	192	26'-7 3/4"	25'-0"	2'-0"	Str.	
P1102	192	46'-0"			Str.	
F801	352	5'-0"	See Diagram			
F1001	110	42'-4"	39'-6"	11 1/2"	10"	
F1002	79	57'-4"	54'-6"	11 1/2"	10"	
F1003	55	39'-6"			Str.	
F1004	40	54'-6"			Str.	



NOTES:

- All concrete shall be Class "S". All exposed corners to be chamfered 3/4" unless otherwise noted. All concrete shall be poured in the dry.
- All reinforcing steel shall conform to ASTM A615 or ASTM A615M-96a, Gr.60.
- If anchor bolts are drilled into cap, top reinforcing bars shall be properly placed to avoid damage.
- For additional information, see Layout.
- The Contractor shall have the option of placing a 9'-8" lap splice in the C1101 bars. The splice shall be in the middle half of the column length. This shall be included in "Reinforcing Steel - Bridge (Grade 60)".
- Structural steel in piers (Armor Plates) shall be AASHTO M270, Grade 50W and shall be paid for as "Structural Steel in Plate Girder Spans (AASHTO M270, Grade 50W)".

NOTES FOR SPIRAL REINFORCING

- Ends of spirals in footing and cap shall have 1 1/2 turns and terminate with a 135° hook and a 24" tail as shown in Bar List.
- Spiral reinforcement at splices of bars in the length designated as permissible for lap splices shall be terminated by a 135° hook with a 10" tail hooked around a vertical bar.
- Spiral reinforcement shall be plain round or deformed steel bars meeting the requirements of AASHTO M31 or M53 (Grade 60) or shall be cold drawn wire meeting the requirements of AASHTO M32 or M225 (Grade 70) with a minimum diameter of 0.625".
- Spiral reinforcement shall be paid for at the contract unit price bid per pound for "Reinforcing Steel - Bridge (Grade 60)". No additional payment shall be made for spacers, splices or bracing needed for assembly, shipping, handling or erecting.
- Lapped splices in spirals shall be lapped 80 bar diameters minimum.
- Adjust spiral pitch as needed to accommodate footing or cap bars.

Revised Dimensions Table By AHTD 6-3-2010 Checked MM/HJE

ALTERNATE NO. 1 & 2

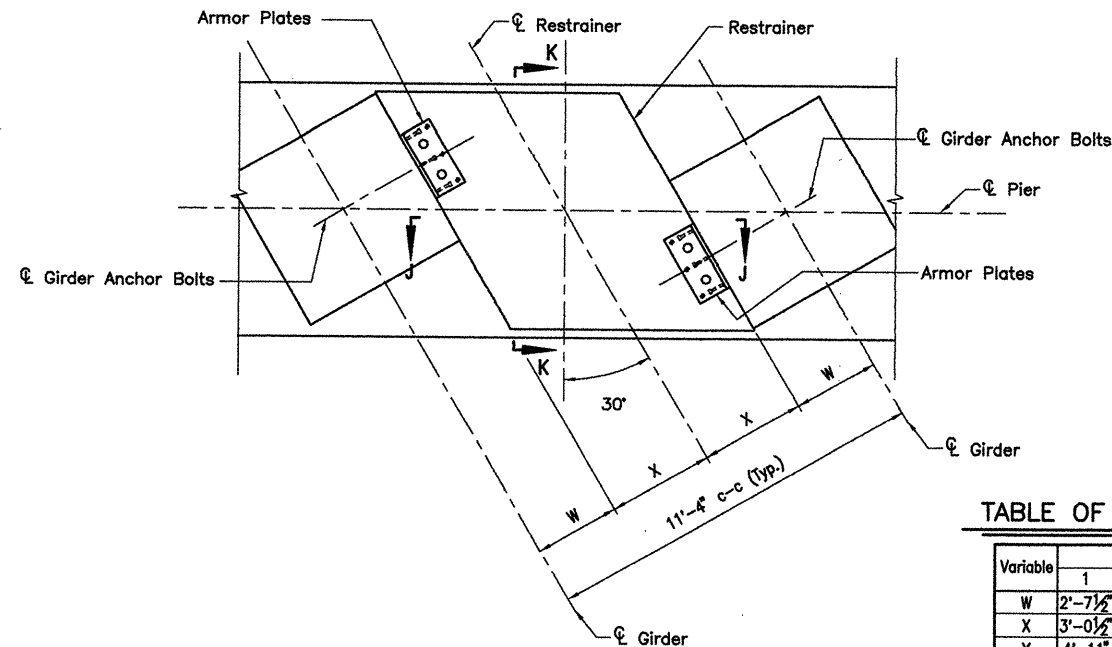
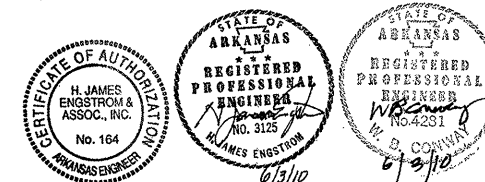
(SHEET 3 OF 3)
DETAILS OF PIERS 1, 2 AND 3

WHITE RIVER STR. & APPRS.
(CLARENDON) (PH II) (F)
MONROE COUNTY

ROUTE 79 SEC. 13
STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

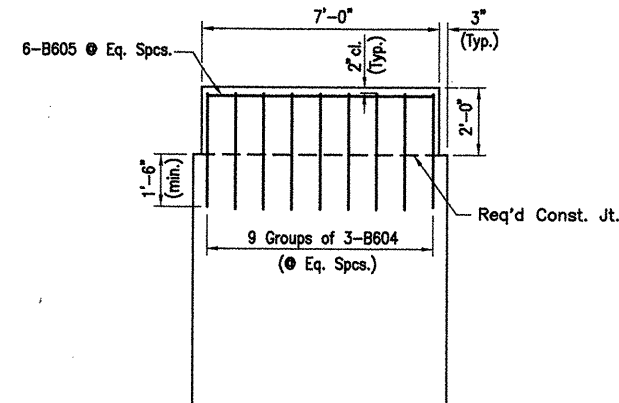
Engstrom/Modjeski and Masters, Inc.

DRAWN BY: JES DATE: Apr. 10
CHECKED BY: FS DATE: Nov. 07
DESIGNED BY: JES DATE: Nov. 01
BRIDGE NO. 06830 DRAWING NO. 41978
FILENAME: b110394_b3
SCALE: 3/16" = 1'-0"



RESTRAINER PLAN

Scale: 3/8" = 1'-0"

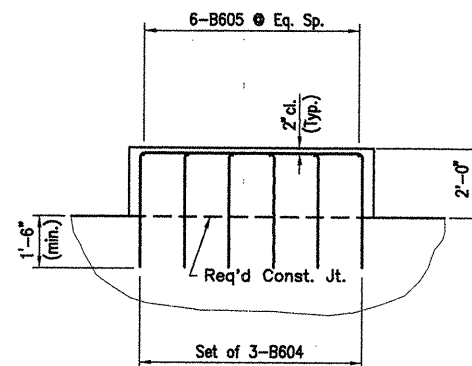


SECTION K-K

Scale: 3/8" = 1'-0"

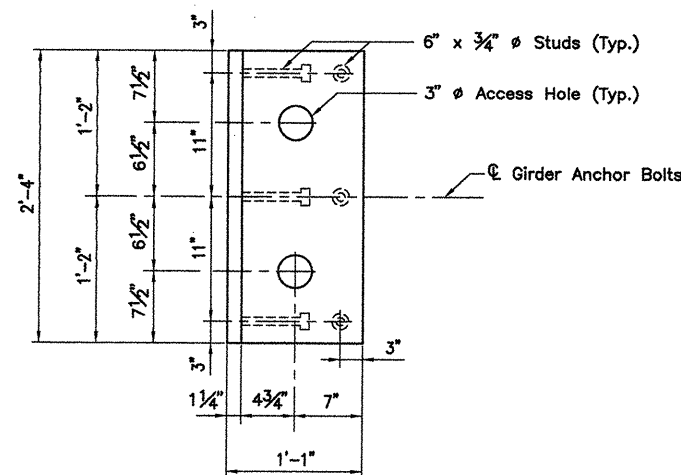
TABLE OF VARIABLES

Variable	Pier No.	1	2	3
W		2'-7 1/2"	2'-7 1/2"	2'-3 1/2"
X		3'-0 1/2"	3'-0 1/2"	3'-4 1/2"
Y		4'-11"	4'-11"	4'-5"
Z		8'-7"	8'-7"	7'-11"



SECTION J-J

Scale: 3/8" = 1'-0"



ARMOR PLATE DETAILS

N.T.S.

