

ACAD SCALE: 1/4" = 1'-0"

COMPANY: 1999 JOBS\99-044 AHTD\WHITERIVER\JOB 110394\dtbnt86-88ait1

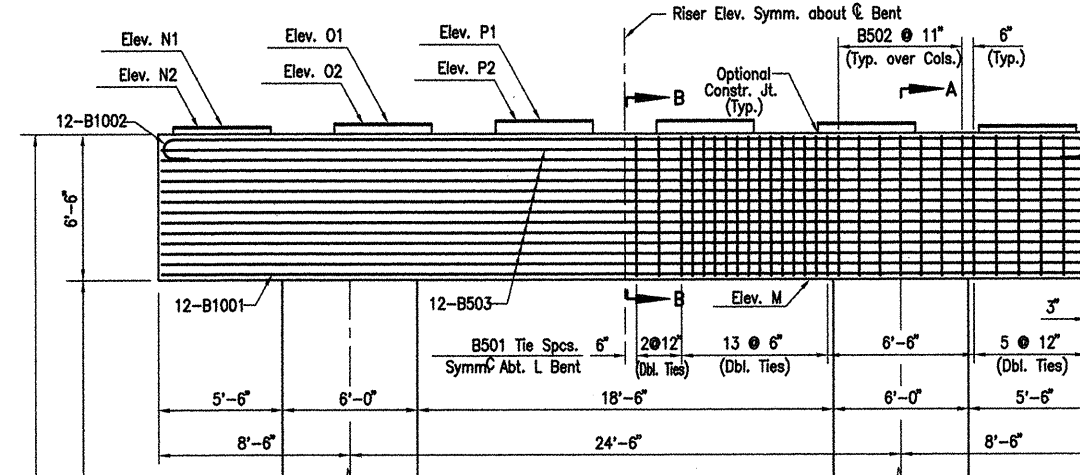
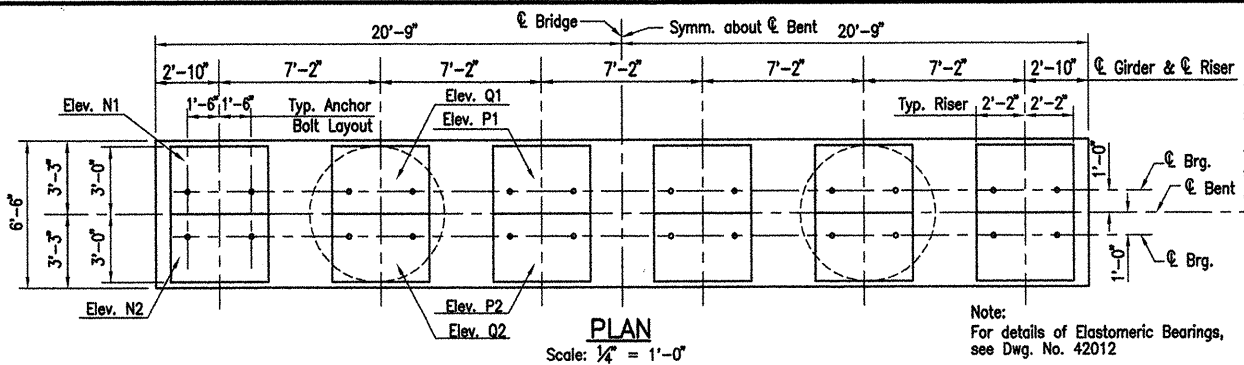
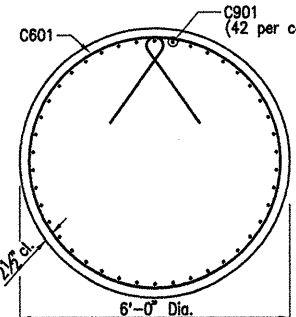
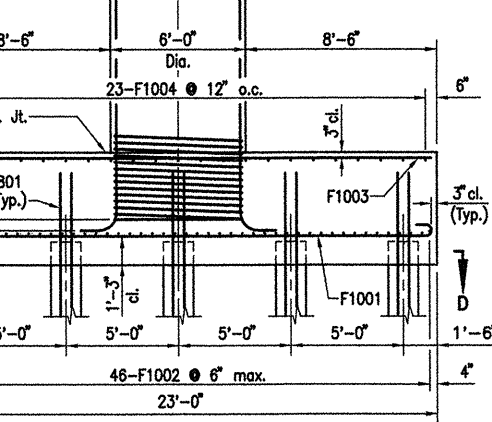


TABLE OF VARIABLES

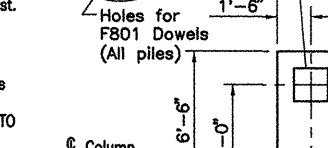
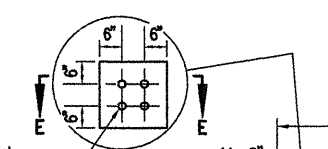
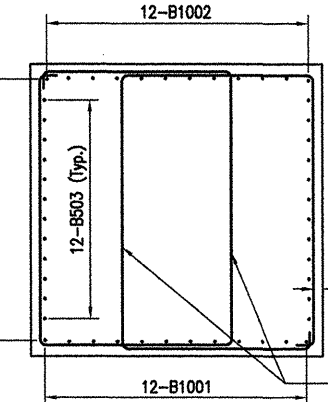
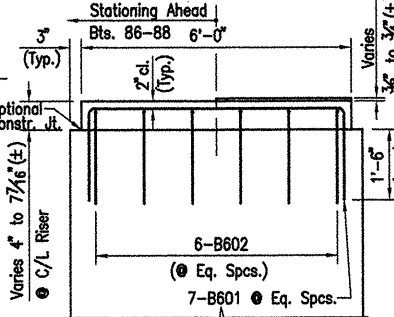
Variable	Bent No.	86	87	88
A	59'-6"	55'-6"	61'-6"	
B	48'-0"	44'-0"	50'-0"	
C	57'-1"	53'-1"	59'-1"	
D	55'-9"	51'-9"	57'-9"	
E	31'-4"	27'-4"	33'-4"	
F	186	172	192	
G	3281'-9"	3038'-10"	3385'-10"	
Elev. L	158.00	158.85	149.30	
Elev. M	211.00	207.85	204.30	
Elev. N1	217.85	214.68	211.14	
Elev. O1	217.99	214.82	211.28	
Elev. P1	218.13	214.97	211.42	
Elev. N2	217.90	214.73	211.20	
Elev. O2	218.04	214.87	211.34	
Elev. P2	218.18	215.02	211.48	



- NOTES FOR SPIRAL REINFORCING**
1. 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.
 2. 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.
 3. 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 0.75".
 4. 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.
 5. Lapped splices in spirals shall be lapped 80 bar diameters minimum.
 6. Adjust spiral pitch as needed to accommodate footing or cap bars.



The riser reinforcing steel shall be placed with the bent cap reinforcing steel. The Contractor has the option to drill and grout the riser reinforcing steel at least 1'-6" into the cap using an approved non-shrink or an epoxy grout listed in the QPL. Diameter of holes and installation procedure shall be as recommended by the grout manufacturer. Place bent reinforcing properly to avoid damage. This work shall be paid under "Reinforcing Steel - Bridge".

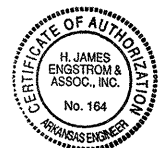


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10-15-10	10-22-10				ARK.			
						JOB NO.	110394	57
						06830	BENTS	41969

BAR LIST-PER BENT

Mark	No.	Req'd	Length	'A'	'B'	P.D.	Bending Diagrams
B501	88	21'-10"	4'-3"	6'-2"	2 1/2"		Dimensions are out to out of bars.
B502	14	18'-3 1/2"	6'-2"	6'-2"	2 1/2"		
B503	24	41'-2"			Str.		
B601	42	9'-4"	5'-8"	2'-0"	4 1/2"		
B602	36	7'-8"	4'-0"	2'-0"	4 1/2"		
B1001	12	41'-2"			Str.		
B1002	12	44'-0"	41'-2"	11 1/2"	10"		
C601	2	G					
C901	84	C	D	1'-7 1/4"	9"		
F801	120	6'-0"			Str.		
F1001	52	25'-4"	22'-6"	11 1/2"	10"		
F1002	92	15'-4"	12'-6"	11 1/2"	10"		
F1003	26	22'-6"			Str.		
F1004	46	12'-6"			Str.		

- NOTES:**
1. 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.
 2. All reinforcing steel shall conform to AASHTO M31 or M53, Gr.60.
 3. If anchor bolts are drilled into cap, top reinforcing bars shall be properly placed to avoid damage.
 4. For additional information, see Layout.
 5. Contractor has the option of placing a 6'-0" lap splice in the vertical leg of C901 bars. The splice shall be in the middle half of the column height. This shall be included in "Reinforcing Steel - Bridge".



ALTERNATE NO. 1

DETAILS OF BENTS - WHITE RIVER
BENTS 86 - 88

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

ROUTE 79 - SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom & Modjeski and Masters, Inc.

APR 10
DRAWN BY: CJA DATE: Nov. 07 FILENAME: b1103941_b06
CHECKED BY: FS DATE: Nov. 01 SCALE: 1/4" = 1'-0"
DESIGNED BY: BMH DATE: Nov. 01
BRIDGE NO. 06830 DRAWING NO. 41969