

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
				JOB NO.		110395	37	203
				06830	BENTS			47035

BAR LIST-PER BENT

[illegible]

NOTES:

1. All concrete shall be Class "S". All exposed corners to be chamfered $\frac{3}{4}$ " 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 option of placing a 6'-0" Lap Splice in the vertical leg of the C901 bar. The Splice shall be in the middle half of the Column. This shall be included under "Reinforcing Steel-Bridge (Grade 60)"

NOTES FOR SPIRAL REINFORCING

1. Ends of spirals in footing and cap shall have $1\frac{1}{2}$ 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 0.625".
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.

ALTERNATE NO. 1

DETAILS OF BENTS - WHITE RIVER
BENTS 46 - 51

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

ROUTE 79 SEC. 13

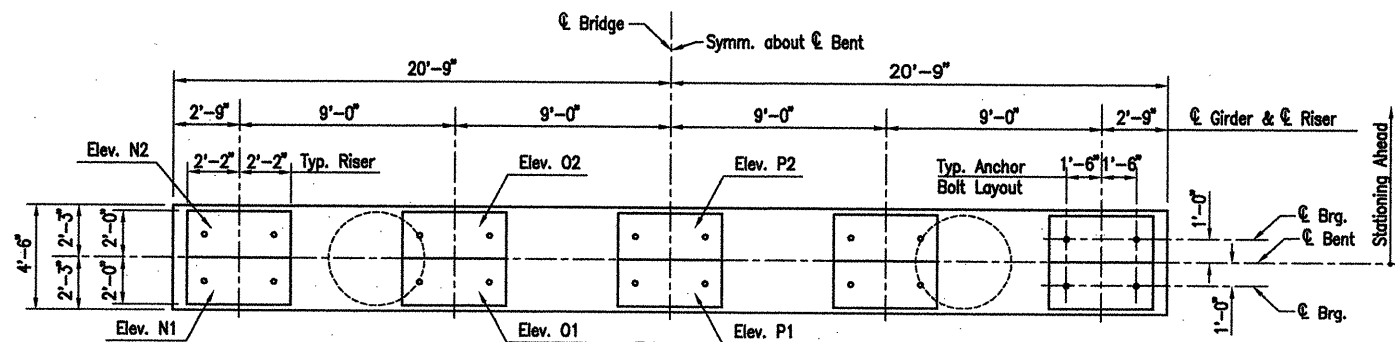
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Engstrom & Modjeski and Masters, Inc.

DRAWN BY: CJA/JDB DATE: Sep. 10 FILENAME: b1103951_b04

CHECKED BY: FS DATE: Nov. 01 SCALE: 1/4"=1'-0"
DESIGNED BY: BMH DATE: Nov. 01

BRIDGE NO. 06830 DRAWING NO. 47035



PLAN

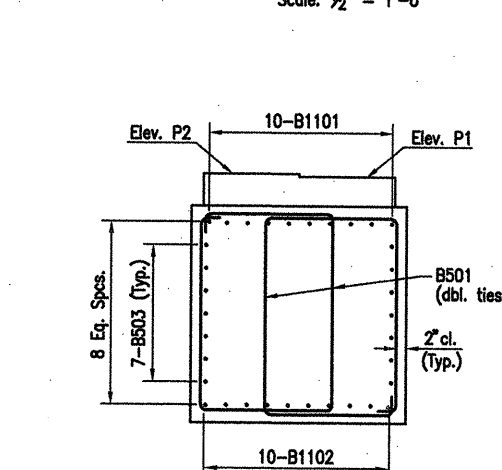
Scale: $\frac{1}{4}" = 1'-0"$

Note:
For details of Elastomeric Bearings,
see Dwg. No. 47100

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 grout 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".

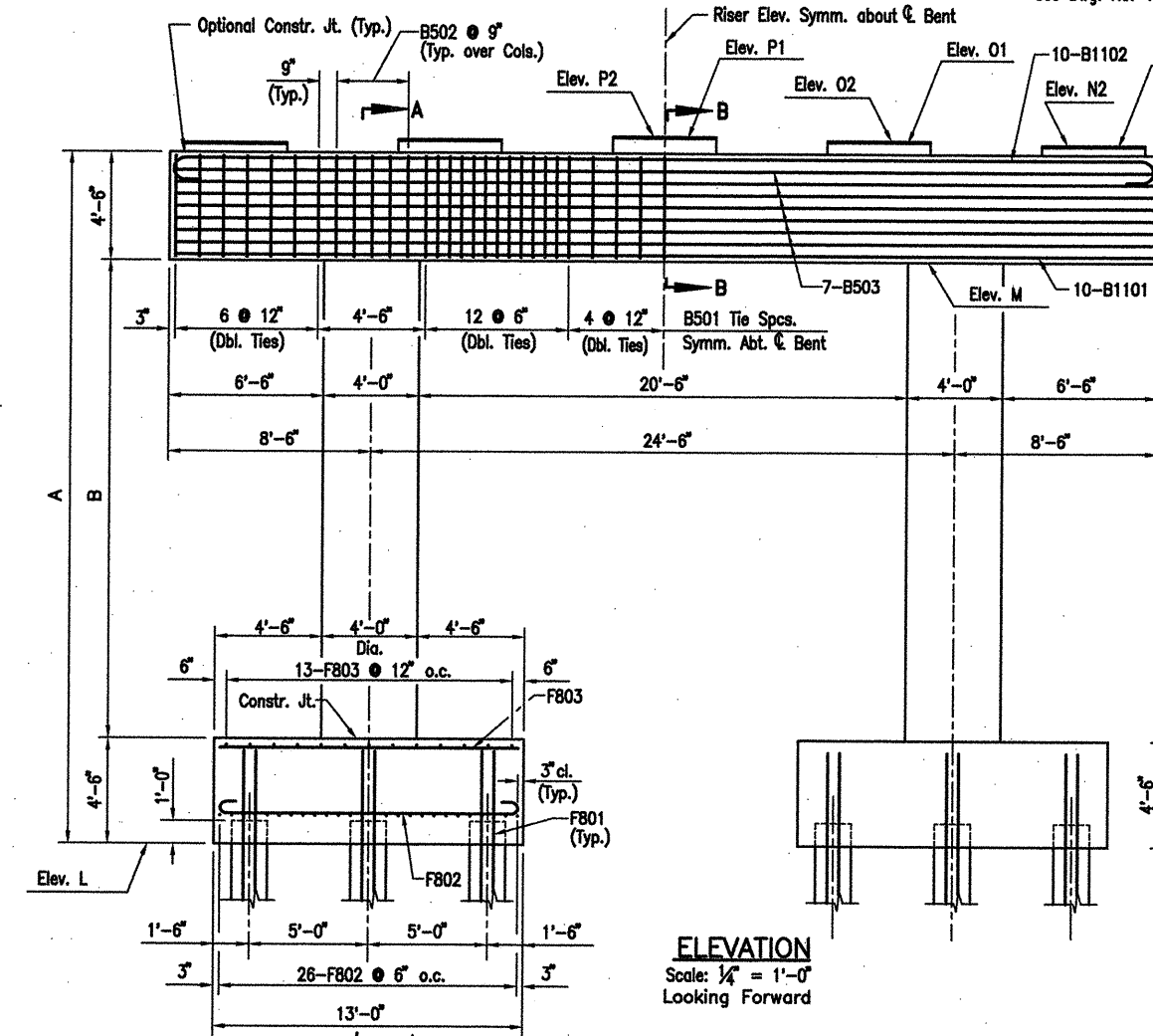
RISER DETAIL

Scale: $\frac{1}{2}" = 1'-0"$



SECTION B-B

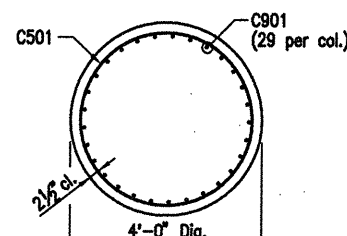
Scale: $\frac{1}{2}'' = 1'-0''$

ELEVATION

Scale: $\frac{1}{4}" = 1'-0"$
Looking Forward

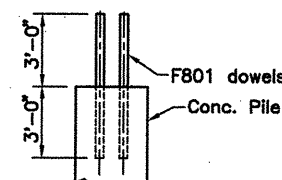
TABLE OF VARIABLES

Variable	Bent No.					
	46	47	48	49	50	51
A	22°-0"	23°-0"	25°-0"	28°-0"	31°-0"	33°-0"
B	13°-0"	14°-0"	16°-0"	19°-0"	22°-0"	24°-0"
C	21°-6"	22°-6"	24°-6"	27°-6"	30°-6"	32°-6"
D	20°-2"	21°-2"	23°-2"	26°-2"	29°-2"	31°-2"
E	4°-8"	5°-8"	7°-8"	10°-8"	13°-8"	15°-8"
F	59	62	69	79	90	96
G	691°-10'	725°-1'	802°-9'	913°-8'	1035°-9'	1102°-3'
Elev. L	156.75	157.48	157.73	157.35	157.18	157.87
Elev. M	174.25	175.98	178.23	180.85	183.68	186.37
Elev. N1	179.08	180.81	183.06	185.68	188.51	191.20
Elev. O1	179.26	180.99	183.24	185.86	188.69	191.38
Elev. P1	179.41	181.15	183.39	186.01	188.84	191.53
Elev. N2	179.11	180.86	183.11	185.74	188.57	191.26
Elev. O2	179.29	181.04	183.29	185.92	188.75	191.44
Elev. P2	179.44	181.19	183.45	186.07	188.90	191.59



SECTION C-C

Scale: $\frac{1}{8}" = 1'-0"$



SECTION E-E

N.T.S.

Drill and grout FB01 dowels 3'-0" into piles using an approved non-shrink grout or an epoxy grout listed on the QPL. Diameter of holes and installation procedure shall be as recommended by the grout manufacturer.

BRIDGE ENGINEER