

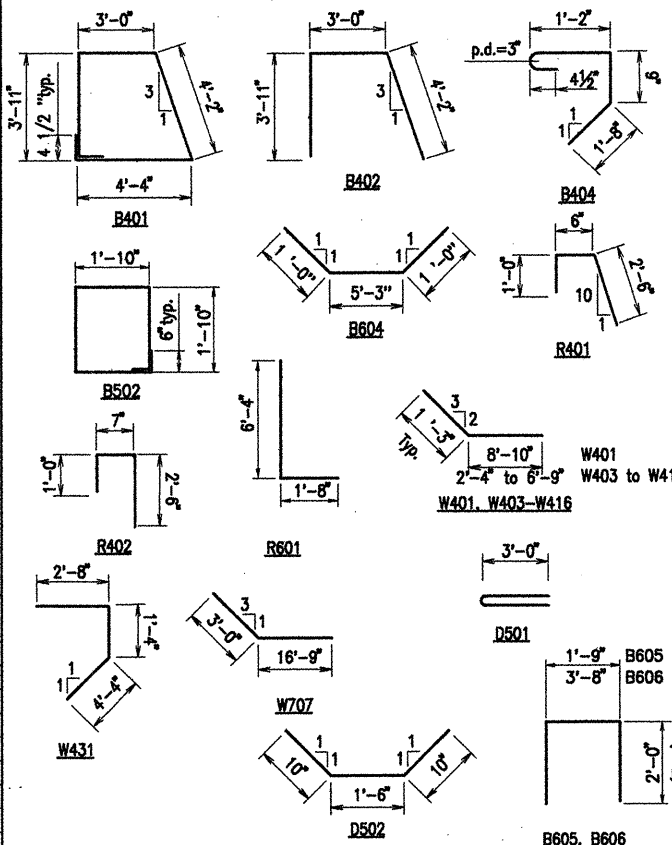
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
				JOB NO.		110503	71	233
				06829	END BENT			41875

## BAR LIST-PER BENT

Mark	No.	Req'd	Length	P.D.
B401	55		15'-9"	2"
B402	24		10'-11"	2"
B403	6		4'-1'-8"	Str.
B404	37		4'-0"	2"
B405	12		42'-10"	Str.
B406	6		7'-2"	Str.
B501	74		7'-5"	Str.
B502	12		7'-10"	3 3/4"
B601	7		4'-1'-8"	Str.
B602	6		4'-1'-8"	Str.
B603	8		7'-5"	Str.
B604	18		7'-3"	4 1/2"
B605	30		5'-5"	4 1/2"
B606	24		7'-4"	4 1/2"
B801	40		6'-0"	Str.
R401	26		3'-10"	2"
R402	8		3'-11"	2"
R403	12		19'-8"	Str.
R601	24		7'-11 1/4"	4 1/2"
R602	6		5'-6"	Str.
R603	12		2'-8"	Str.
W401	6		10'-1"	2"
W402	6		11'-2"	Str.
W403 to W416	2 Ea.		3'-7" to 8'-0"	2"
W417 to W430	2 Ea.		4'-8" to 9'-3"	Str.
W431	4		8'-3"	2"
W701	8		19'-8"	Str.
W702	4		16'-0"	Str.
W703	4		13'-4"	Str.
W704	4		10'-8"	Str.
W705	4		8'-0"	Str.
W706	4		5'-4"	Str.
W707	4		19'-9"	5 1/4"
D501	36		6'-1"	3 3/4"
D502	37		3'-2"	3 3/4"

### Bending Diagrams

Dimensions are out to out of bars.



**END BENT NOTES:**

All concrete shall be Class "S" with a minimum 28-day compressive strength  $f_c = 3500$  psi. Concrete shall be poured in the dry and all exposed corners to be chamfered  $\frac{3}{4}$ " unless noted otherwise.

All reinforcing to be AASHTO M31 or M53, Grade 60.

Backwall shall not be poured before beams are in place and concrete span pours have been made.

If anchor bolts are drilled into cap, top reinforcing bars shall be properly placed to avoid damage.

For Sections A-A, B-B and C-C, see Dwg. No. 41876

Structural steel in end bents shall be AASHTO M270, Gr. 50W and shall be paid for as "Structural Steel in Plate Girder Spans (AASHTO M270, Gr. 50W)".

For additional information, see Layout.

ALTERNATE NO. 1

DETAIL OF BENTS - ROC ROE  
ABUTMENTS - END BENTS 1, 33  
(SHEET 1 OF 2)

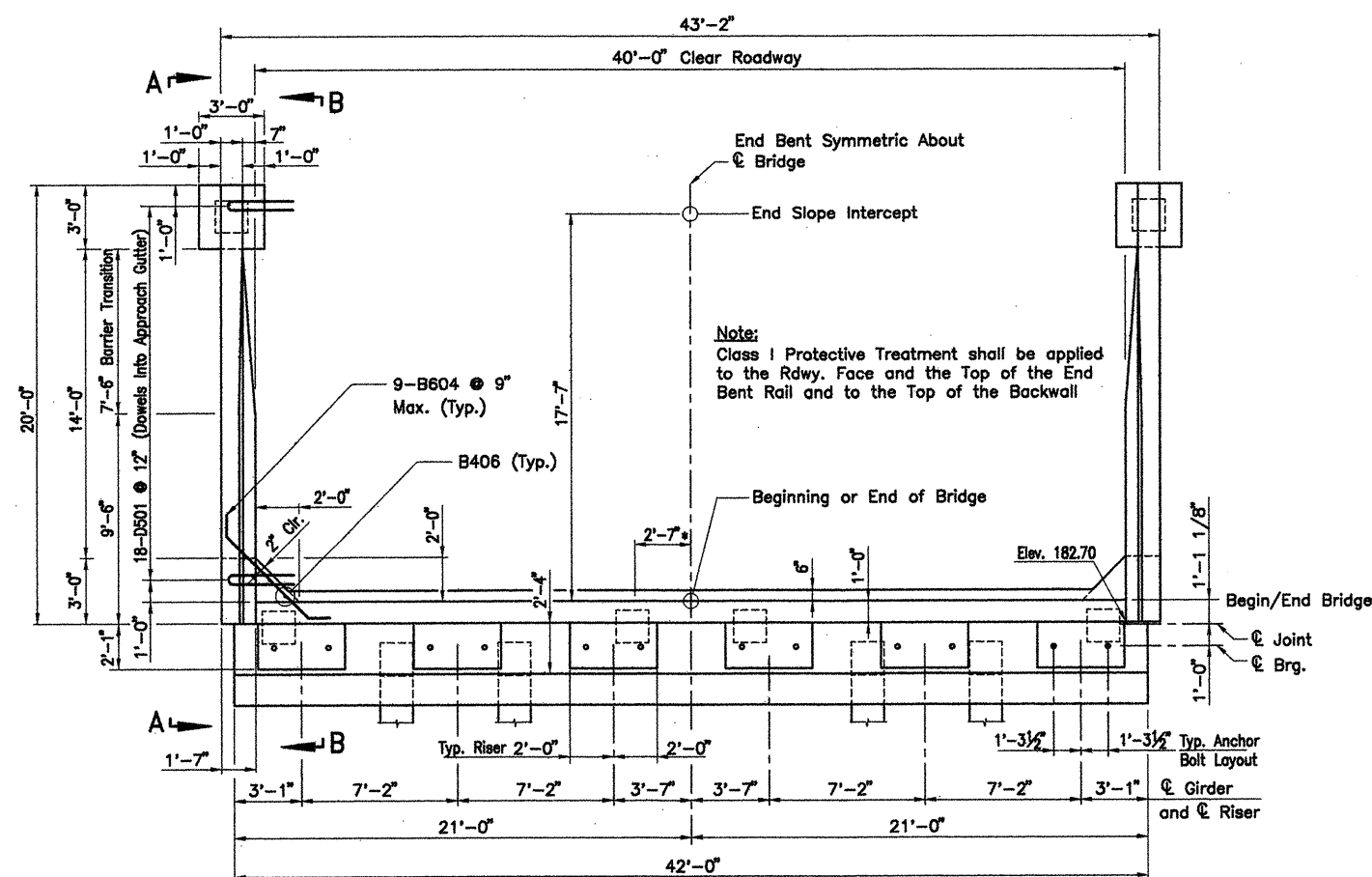
ROC ROE & WHITE RIVER RELIEF  
STRS. & APPRS. (CLARENDON) (F)  
MONROE COUNTY

ROUTE 79 SEC. 13

ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

Engstrom/Modjeski and Masters, Inc.

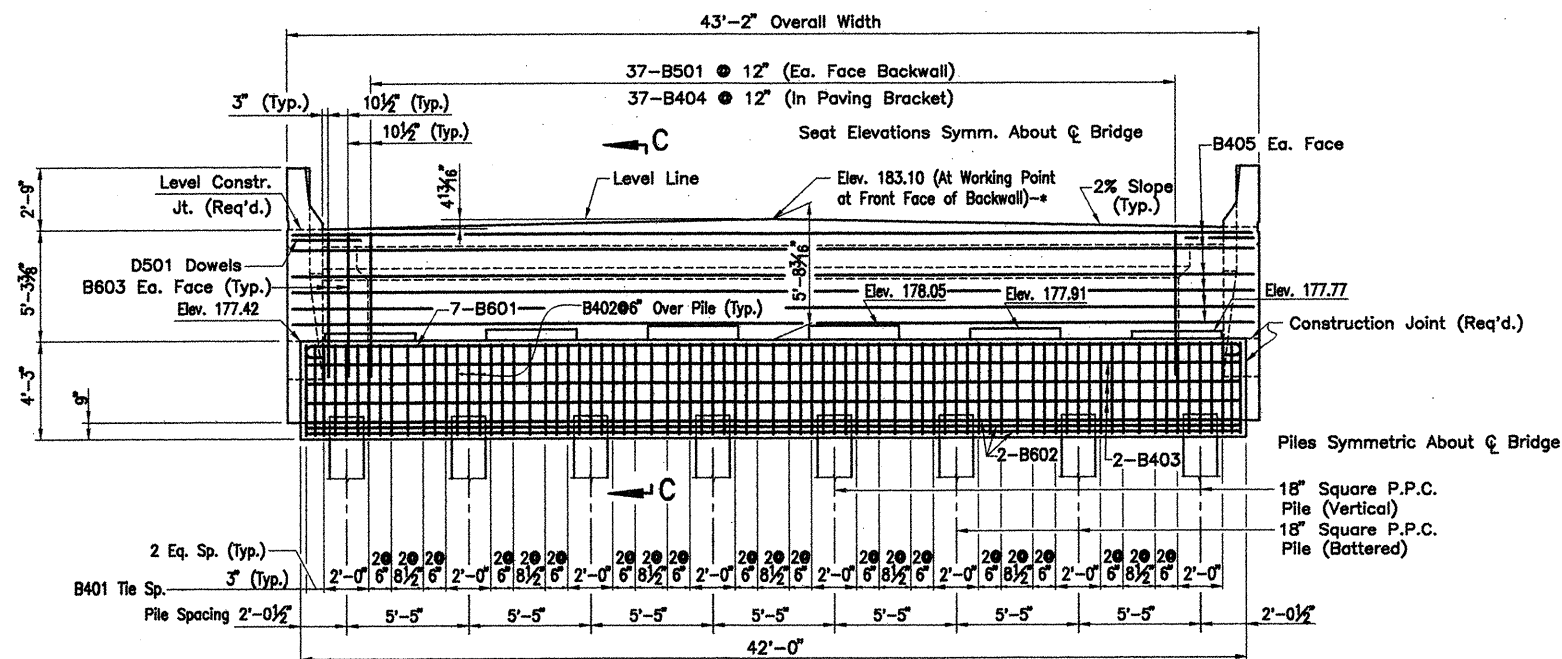
DRAWN BY: FS      DATE: Sept. 07      FILENAME: b11050311\_01  
 CHECKED BY: YO      DATE: Nov. 01      SCALE: 1/4" = 1'-0"  
 DESIGNED BY: FS      DATE: Nov. 01  
 BRIDGE NO.      06829      DRAWING NO.      41875



## PLAN

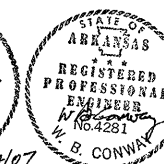
Scale:  $\frac{1}{4}" = 1'-0"$

\* - For Finishing Top of Backwall, see  
"Rounding Detail", Drwg. No. 41879.  
For Details of Elastomeric Bearing, See Dwg. No. 41886.



### ELEVATION

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



**BRIDGE ENGINEER**