

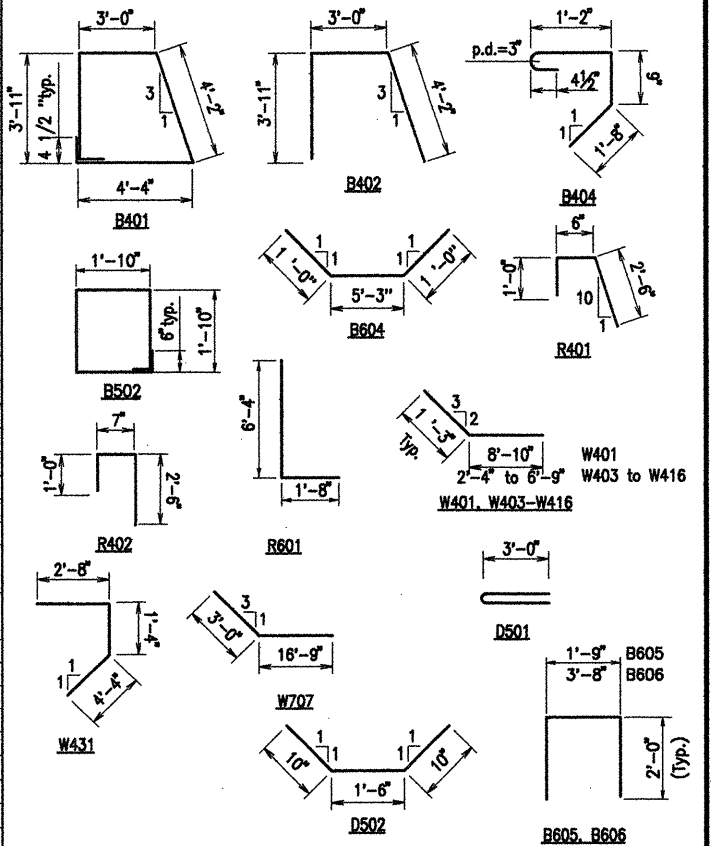
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
					ARK.			
						JOB NO. 110503	87	233
						07027	END BENT	41892

# BAR LIST-PER BENT

Mark	No. Req'd	Length	P.D.
B401	55	15'-9"	2'
B402	24	10'-11"	2'
B403	6	41'-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 1/2"
B601	7	41'-8"	Str.
B602	6	41'-8"	Str.
B603	8	7'-5"	Str.
B604	18	7'-5"	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'-5"	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 1/2"
D502	37	3'-2"	3 1/2"

## 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  $3/4"$  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. 41893.  
 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 - WHITE RIVER RELIEF ABUTMENTS - END BENTS 1, 21 (SHEET 1 OF 2)

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

ROUTE 79 SEC. 13  
 LITTLE ROCK, ARK.

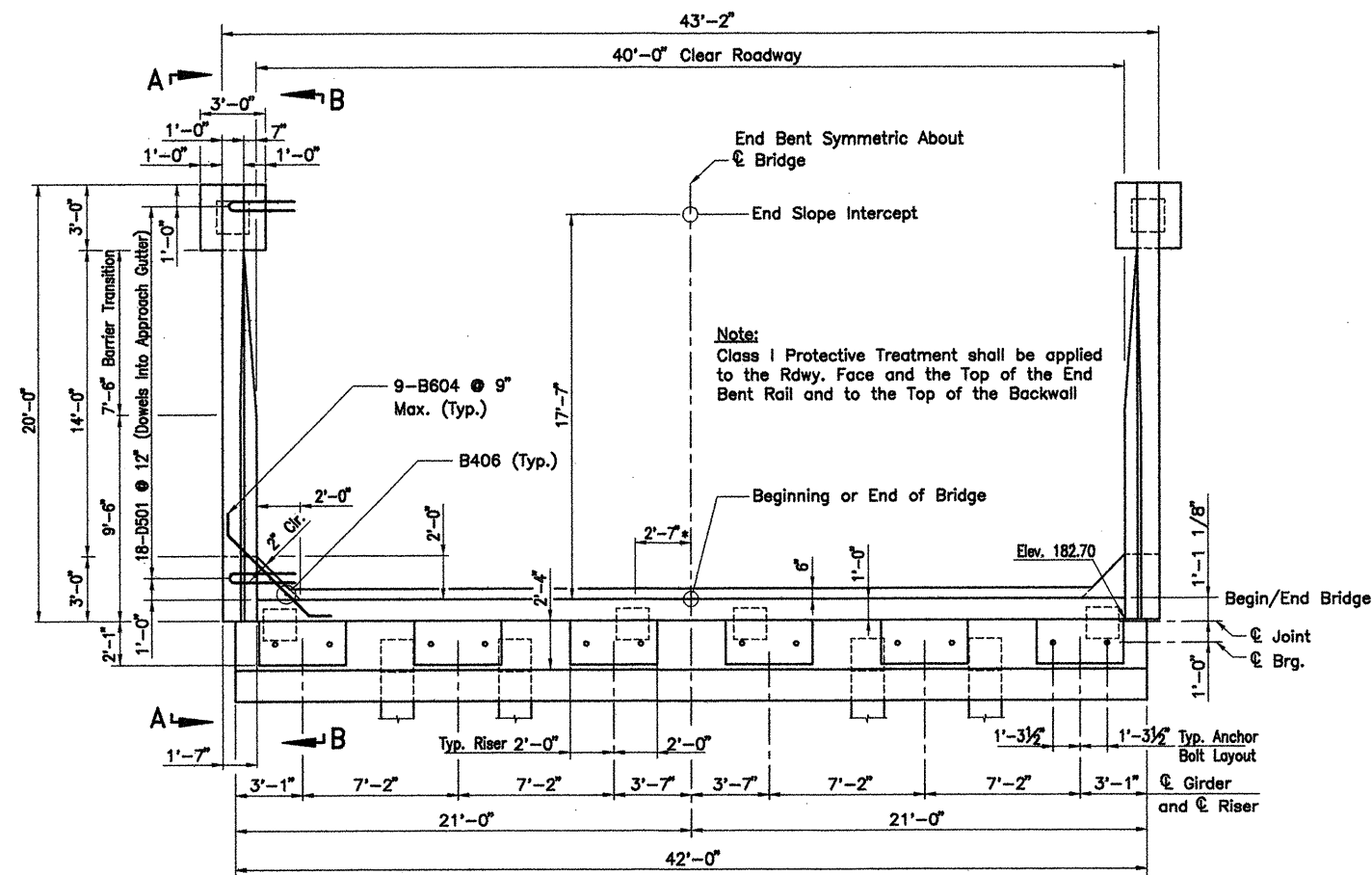
ARKANSAS STATE HIGHWAY COMMISSION

Engstrom/Modjeski and Masters, Inc.

DRAWN BY: FS DATE: Sept. 07 FILENAME: b11050312\_a1  
 CHECKED BY: YO DATE: Nov. 01 SCALE: 1/4" = 1'-0"  
 DESIGNED BY: FS DATE: Nov. 01  
 BRIDGE NO. 07027 DRAWING NO. 41892

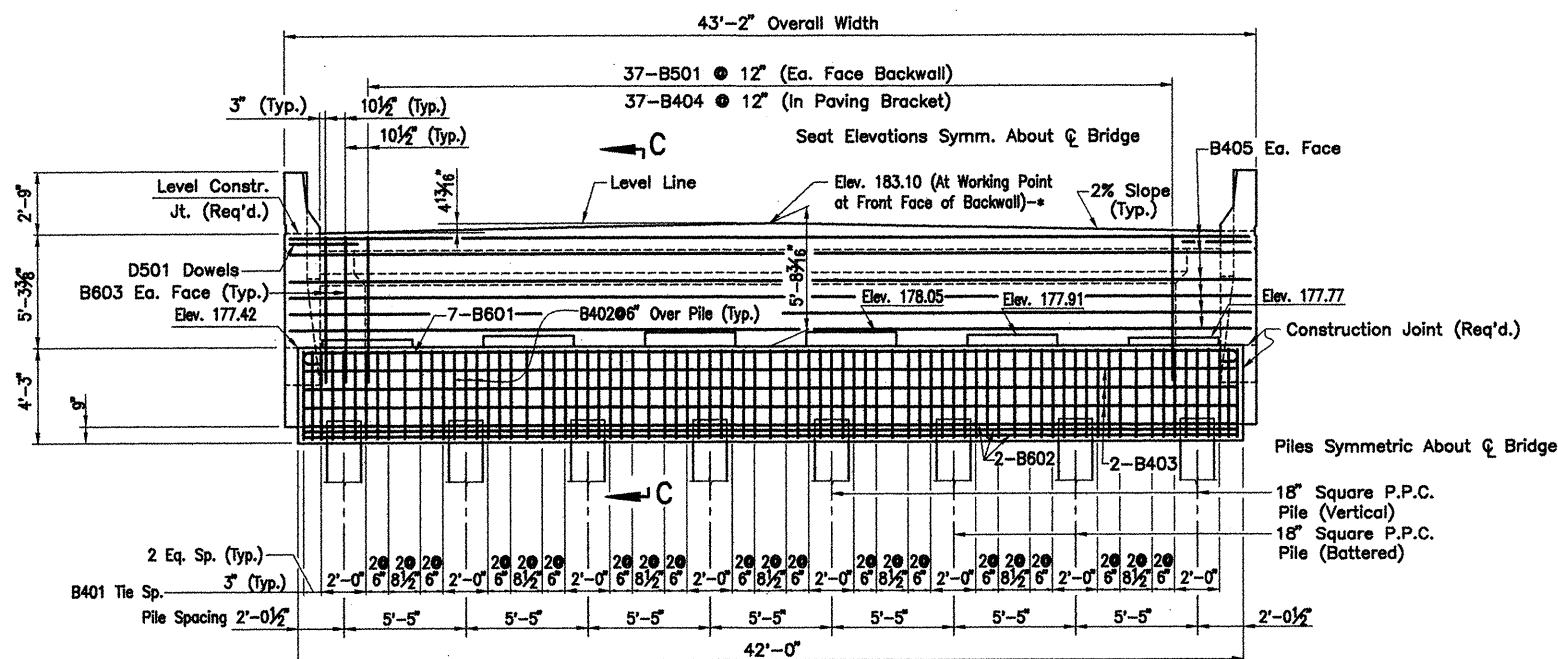
12" 0 2' 4' 6' 8'  
 SCALE IN FEET

BRIDGE ENGINEER



PLAN  
 Scale: 1/4" = 1'-0"

\* - For Finishing Top of Backwall, see  
 "Rounding Detail", Dwg. No. 41896.  
 For Details of Elastomeric Bearing, See Dwg. No. 41903.



ELEVATION  
 Scale: 1/4" = 1'-0"