

INTEROFFICE MEMORANDUM

DATE: April 10, 1989

TO: Bridge Division Personnel
FROM: Veral Pinkerton, Bridge Engineer
SUBJECT: Reinforcing Steel

ITEM 1

Current standard Composite W-Beam Span drawings are being revised to exchange the #6 truss bars with the #5 bars top and bottom. The detailing scheme used on these revisions should be used on any drawings produced (see attached sketch). As much as possible, designers should avoid the use of #6 truss bars on future designs. I recognize that plate girder spans with wide beam spacing may make this impractical.

ITEM 2

Handwritten: ALL

In the future when epoxy coated bars are used, include the bars in the parapet rail. All epoxy bars in bar lists should be designated with an "E" following the bar number (Example: S601E).

AHTD LETTERHEAD

April 13, 1989

Mr. Joe Montalbano
ABC Coatings, Inc.
P. O. Box 9693
Tulsa, OK 74157

Dear Mr. Montalbano:

We would like to inform you that we have changed the detailing on the truss bars for our standard WF beam drawings. The revised drawings will be used on projects completed in the Bridge Division after April 14, 1989. Specialized designs such as welded plate girder spans will be similarly changed as much as is practical.

Please note that we have changed the truss bar to a #5 bar and show a pin diameter of 3 inches. In addition, the horizontal dimensions are detailed to the center of the reversing bends. We are enclosing a print of a typical bar list and an enlarged view of the bends to show exactly where our dimension applies.

On projects where #6 truss bars are included, the horizontal dimension K can be as large 5-1/2 inches.

If you have any questions or concerns for holding these dimensions, please contact me at your earliest convenience.

Yours truly,

Veral Pinkerton
Bridge Engineer

FMH:bw

Enclosures

COVER PLATE DETAIL

N.T.S.

BAR LIST - PER SPAN

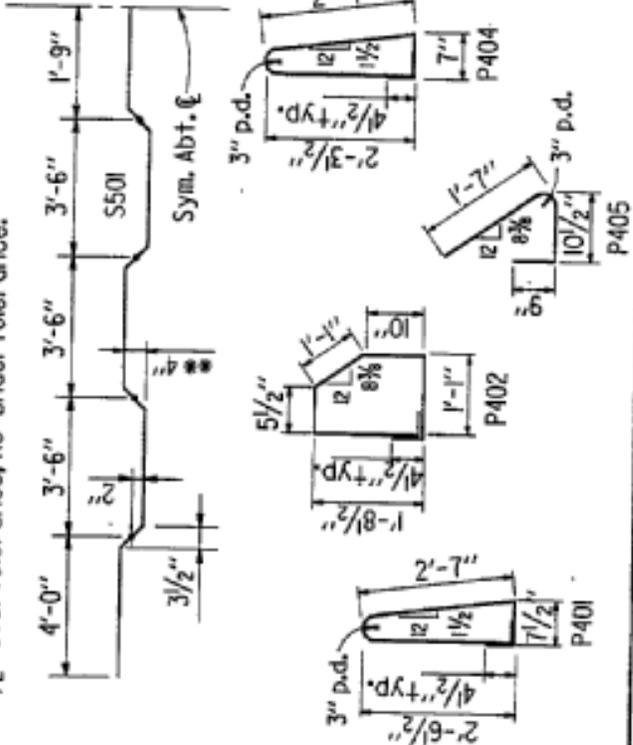
MK	Size	Length	Pin Dia.	Number Required	
				Span No.	Span Length(S)
S401	4	*	Str.		
S501	5	33'-4"	3"		
S601	6	32'-6"	Str.		
P401	4	6'-4"	2"		
P402	4	5'-6"	2"		
P403	4	f-6"	Str.		
P404	4	5'-10"	2"		
P405	4	3'-2"	2"		
S502	5	4'-4"	Str.		
P601	6	f-6"	Str.		

* For S ≤ 40'; Length = S-6"
 For 40' < S ≤ 78'; Length = S/2+7"
 For S > 78'; Length = S/3+12"

Bending Diagrams

(Dimensions are out to out of bars.)

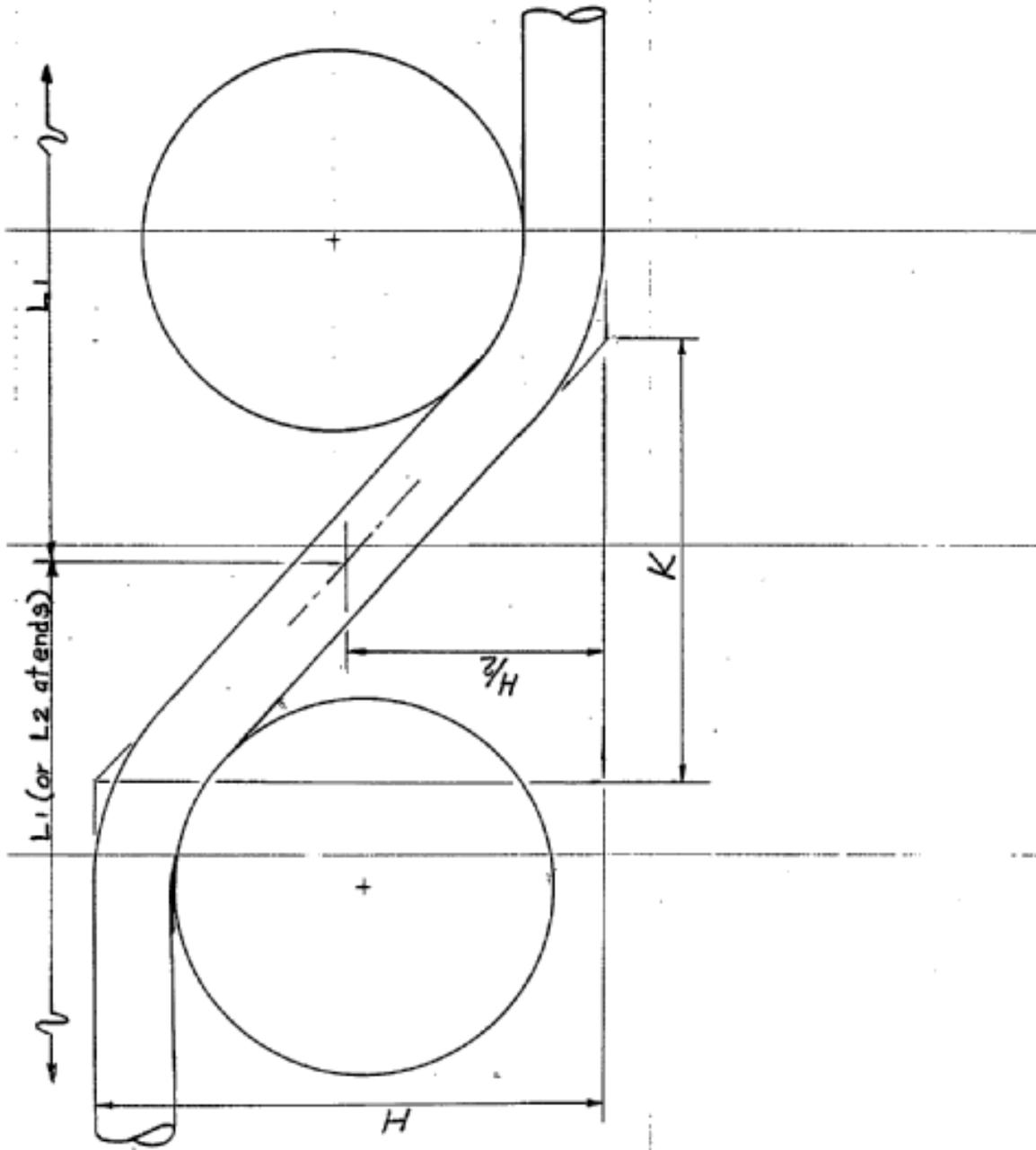
** 1/2" Over tolerance, No Under tolerance.



COMMON BARS

Roll Only

Bridge No.



ARKANSAS HIGHWAY DEPARTMENT
 BRIDGE DESIGN DIVISION
 CALCULATIONS FOR

MADE BY _____ DATE _____
 CHECKED BY _____ DATE _____
 SHEET NO. _____
 JOB NO. _____
 BRIDGE NO. _____