



General Notes:

All field connections shall be riveted.

Rivets $\frac{3}{4}" \Phi$; open holes $\frac{1}{2}"$.

All holes in girder splice connections to be sub-punched $\frac{3}{8}"$ and reamed to size while girders are assembled.

Strut connections are to be sub-punched $\frac{3}{8}"$ and reamed to a metal template.

All struts requiring milled ends are to be milled to exact length after framing angles have been riveted.

Camber: Both lengths of girders, 54'-6" and 64'- $\frac{1}{2}"$, shall be cambered $\frac{1}{2}"$ at mid-length. The ends of the girders at the splices shall be milled so as to be normal to the chord of the cambered girder when the girder is supported at each end, and shall be so match-marked.

Structural shapes of equal or greater strength may be substituted for shapes shown, but payment will be based on the weight of shapes shown or actually used, whichever is the lesser.

Shop paint: All structural steel shall be given one coat of Red Lead and Raw Linseed Oil before shipment.

Field paint: First coat, White Lead tinted with Lamp Black.

Second coat, Aluminum Paint.

Floor slab concrete to be Glass "S". One inch has been added for wear. All exposed corners to have $\frac{3}{4}"$ chamfers unless otherwise shown.

This drawing shows general features of design only. Shop drawings for structural and reinforcing steel shall be made in compliance with Specifications, and shall be submitted and approved before fabrication is begun.

Specifications: Arkansas Standard Road and Bridge Specifications, adopted May 30th, 1925 and revised.

Mark	Size	Length	Bending Diagram
S ₁	$\frac{3}{4}" \phi$	24'-8"	
S ₂	$\frac{3}{4}" \phi$	24'-3"	
S ₃	$\frac{3}{4}" \phi$	24'-8"	
S ₇	$\frac{7}{8}" \phi$	20'-11"	
S ₈	$\frac{3}{4}" \phi$	6'-11"	
S ₉	$\frac{3}{4}" \phi$	5'-6"	
S ₅	$\frac{5}{8}" \phi$	4'-1"	
S ₆	$\frac{5}{8}" \phi$	3'-6"	

Summ about this = 1

DETAILS OF STANDARD
56'-0", 70'-0", 56'-0" CONTINUOUS I-BEAM SPANS
CONCRETE DECK, 22 FT. CLEAR RDWY.
TWO GIRDER TYPE
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn by: E.B.S. Date: 6-28-34
Traced by: A. Date: 7-15-34 Scale: $\frac{1}{2}'' = 1'-0''$ and
Checked by: Date: as indicated
BRIDGE NO. 1672 & 1573 DRWG NO. 2185