FISCAL YEAR	JOB NUMBER	SHEET No.	TOTAL SHEETS

The open side of top chord shall have: End stay plates 17"×⅜"×1'-9½"
Int. plates 17"×⅜"×1'-2½"
Double lacing 2½"×⅜" riveted at intersections

Stay plates for diagonals
End plate 9"×⅜"×10½"
Int. plate 9"×⅜"×9"

Stay plates for diagonals
End plate 9"×⅜"×10½"
Int. plate 9"×⅜"×7"

Clip L 3½×3½×⅝"
6"@ 8 lbs
L 5½×3½×⅜"
6"@ 14.8 lbs
L 3½×3½×⅜"
Fill 6½×⅜"
Grade
L 4"×4"×⅜"
Hole for 3½" pin
11⅞" minimum clearance
Fill 9"×⅜"
Pin plate, gusset plate and channel to be held together by shop welds as shown
2 pl 18"×⅜"
6 pl 9"×⅜"
2 Fill 9"×⅜"
Total for one splice
2 pl 18"×⅜"
4 plates 9"×½"
Tens. for one splice
Fill 9"×⅜"
Mill joint
⅜" plate
3/16" bl.
Fill 8"×⅜"
Fill 6"×⅜"
Fill 4"×⅜"
Elevation
Wrap plate & Ls with 2 layers of tar paper before placing conc. slab.
27 C.B. 91#
Drill 1"ø slotted hole for ¾ø reinforcing bar
FLOOR BEAM BRACKET
23'-0" C. to C of trusses
20'-2"
11½"
6"
1'-5"
1'-4"
Hyperbolic crown
64 ¾" gas pipe drain in center of each panel - 2'-9" long
All floor beams 27" C.B. ei 91#
20 of 6 = 10'-0"
SECTION AT CENTER OF PANEL

All laterals: L 4"×3"×⅜" long leg vertical

Plate 12"×⅜"
Plate 3½"×½" weld at both ends
Plate 5"×⅜" lap for ⅜" bolts
Extend slab into 4" recess in fixed end
Plate 3½"×½" slotted both sides of roadway
Plate 13"×⅜"
Plate 5"×⅜" lap for ⅜" bolts
Std. Hex. nut, ⅞" washer (⅞" hole)
2'-6"
1½" ANCHOR BOLT
DETAIL OF LATERAL HANGER
27" C.B. 91#
2½" bolt
Cross bars 37
Cross bars 38
Alt. bars bent up
2'-6"
2'-6"
2'-6"
10'-0"

Recessed steel nuts
Pin
1'-8"
2'-0"
CAST STEEL SHOE - FIXED END
Holes for 1¼" dowel bolt
CAST STEEL ROCKER & MASONRY PLATE - EXPANSION END
Holes for 1¼" dowel bolt
Slab
Strap 2"×½"×1'-0"
8"
1" bolt
Spaced about 5"
Strap 2"×½"×1'-2"
EXPANSION DEVICE
Extend Slab & Curb into 4" recess in fixed end
Extend slab into 4" recess in fixed end
1'-1"
1'-8½"
STEEL SPAN TO STEEL SPAN
Sliding
Rocking

NOTE:- Shoes shall be seated on pad composed of 6 layers of burlap soaked with red lead paint.

Line of final set
10" I @ 30#
2-L 6"×4"×⅞"
PL 3½×⅞" L
⅝" Fill
VIEW A-A

100'-0"
23'-0"
10'-0"
ANCHOR BOLT PLAN

Mark	No	Size	Length	A	
51*	44	¾ø	37'3½"	3'6"	Slab reinforcing - One span
52*	44	¾ø	32'3½"	3'10"	
53	22	¾ø	32'-6"		Straight
54	22	¾ø	42'-6"		Straight
55	42	¾ø	35'0"		
56	42	¾ø	26'-5"		
57	52	½ø	25'-1"		
58	51	½ø	20'10"		Straight

* 51 and 52 to be 1" longer than shown above at fixed end adjacent to concrete approach span.

2-12 @ 20.7
2-12 @ 30 Cover plates 18"×⅜"
2-12 @ 35 Cover plates 18"×⅜"
14'-0"
10'-3"
8'-0"
10 C.B. 35
2-12 @ 20.7
4-15 @ 35
2-15 @ 40
L0 L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11
U1 U2 U3 U4 U5 U6 U7 U8 U9 U10
D = -195.6 L = -95.7 I = -21.0 T = -322
D = -188.0 L = -92.0 I = -20.0 T = -300.0
D = -178.5 L = -87.8 I = -19.2 T = -285.0
D = -150.0 L = -76.8 I = -16.2 T = -231.7
D = -106.0 L = -51.7 I = -11.4 T = -166.0
D = 188.0 L = 92.0 I = 20.0 T = 300.0
D = 177.0 L = 86.6 I = 19.0 T = 282.6
D = 141.0 L = 71.6 I = 15.7 T = 228.8
D = 106.0 L = 51.7 I = 11.4 T = 166.0
Reaction D = 94.0 L = 46.0 I = 10.0 T = 150.0
10 of 10'-0" = 100'-0"
TRUSS MAKE UP
DESIGN STRESSES

Estimated quantities
Structural steel 88,900 Lbs.
Cast steel 1,670 Lbs.
Reinforcing steel 12,480 Lbs.
Concrete Class "S" 62.4 Cuyds.

Unit stresses
Concrete 750 Lbs. per sq in.
Reinforcing steel 16000 " " " "
Structural steel 16,000 " " " "

Revised handrail, Expans. 7-26-33 WFB

Cross bars 37
Cross bars 38
Spaced 12" ctrs
Symmetrical
10'-0"
ARRANGEMENT OF SLAB BARS

14'-0" Total axle loads
H-20 loading
4'-0"

W. B. Gamble
BRIDGE ENGINEER

STANDARD PLAN
100'-0" LOW TRUSS SPAN
20'-0" CLEAR ROADWAY

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: LD Date:
Traced By: Gagnon Date: 6-29-31
Checked By: Date:
Scale: In. = ft.

BRIDGE NO. 1195
DRAWING NO. 3518

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