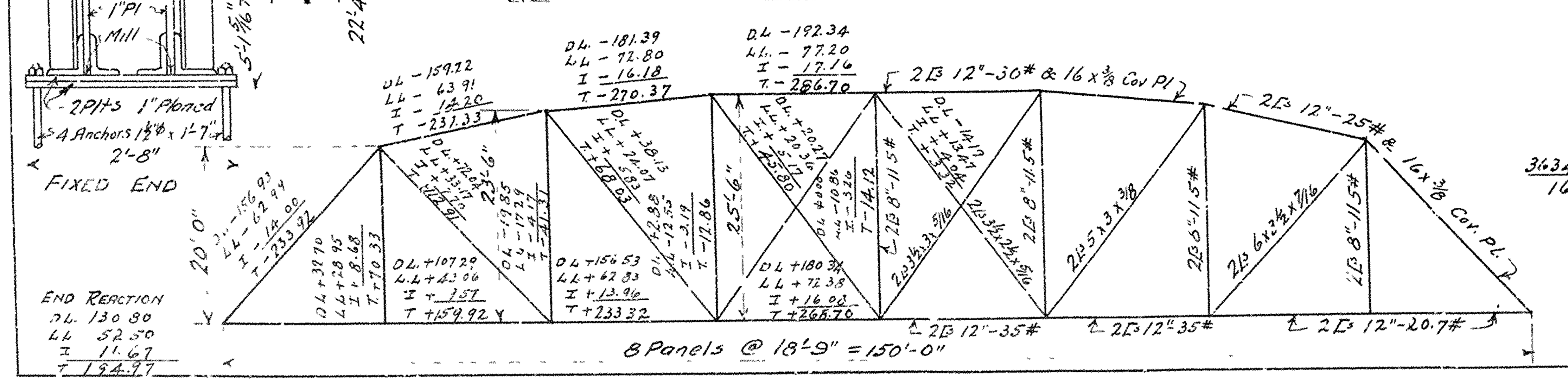
FED AID DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
6	ARK	[redacted]	[redacted]	[redacted]	[redacted]

DETAIL OF LATERAL HANGER
3/4"⌀ U-Bolt
2Ls 3½ x 2½ x ¼ Laced
5/16" Pl
Battens 16 x 3/8 Lacing 2½ x 5/16
Pl 9 x 5/16
Pl 6 x 5/16 @ 3'-0" cts Max
3/8" Pl.
1C 4"-5.4#
Gas Pipe Fills
Joists 16"-35# Carnegie Is
Inside Pl. 3/8"
½" Pl.
9 x 3/8 Pl
3/8" Pl.-Top & Bot. Splice
Splice Pl. 12 x 5/8
Inside Spl. Pl. 12 x ½
Outside Spl. Pl. 10 x 3/8
4½" Pin - 3⅜" Rollers 2'-1" s to s
2Ls 6 x 4 x ½
2Ls 6 x 6 x ½
2 Plts. 13" x 1" x 2'-8" Planed
18'-9"
EXPANSION END
4 Anchors 1¼"⌀ x 1'-9"
2'-8"
EXPANSION DEVICE FOR MULTIPLE SPANS WT = 2350#
EXPANSION DEVICE FOR ADJACENT CONCRETE SPAN WT = 1800#
At fixed end extend slab into recess
Pl. 12 x 5/8 x 20'-0"
2 x ¼ x 14 Strap Anchors @ 12" cts Stag.
21'-0"
20'-0" clear Roadway
22 Long Bars - ½"⌀ "a" as shown 20'-4" Long
Level Line
Fl Bms 28"-106# Beth Is
Joists - 7 Lines - 16"-35# Carnegie Is
Diaphragm
3"⌀ Drain Pipe in middle each panel on both Sides
1'-8" 6 Sps @ 3'-2" = 19'-0"
22'-4" c-c Trusses
Pl. 16 x 5/16 x 1'-3¼"
Pl. 9 x 5/16 x 1'-3¼" - 3'-0" cts. Max
Stagger Top & Bottom
3/8" Pl. Top & Bottom
1L 3 x 3 x 5/16
1L 3½ x 3 x 5/16
28"-106# Beth I
22'-4" c-c Trusses
FIXED END
2 Plts 1" Planed
4 Anchors 1¼"⌀ x 1'-7"



FLOOR BEAMS

D.L.M. ⅛ x 2283 x 22.83² = 142300 ¹#

L.L.M. 12760 (19.33 - 6) = 170129

Impact @ 30% = 51038

ΣM = 363467 ¹#

$\frac{363467 \times 12}{16000}$ = 272.6 Reqd S. Use 28"-106# Beth I - S = 285.3

STRINGERS

D.L.M. ⅛ x 372 x 18.75² = 16350 ¹#

L.L.M. ¼ x 8445 x 18.75 = 39600

Impact @ 30% = 11880

ΣM = 67830 ¹#

$\frac{67830 \times 12}{16000}$ = 50.8 Reqd S. Use 16"-35# Carnegie I - S = 54.7

Unit Stresses. - See Arkansas Highway Department Specifications - May 30, 1925

Rivers: - ¾" diam.

Open Holes: - 13/16" diam

All field connections riveted. Rivet holes in tension members are to be so spaced that not more than one hole is deducted from area of cross section of each angle at point of maximum stress

Shop Paint: - One coat red lead and raw linseed oil

Field Paint: - Two coats of different colors as approved by the engineer

Batten plates spaced not over 3'-0" c. to c. on tension members

Concrete: Floor slab to be "Class S" Concrete. - 1" extra thickness has been added for wear.

This drawing is general only. Shop drawings must be made in compliance with specifications and must be submitted and approved before fabrication begins

SPECIFICATIONS

LIVE LOAD: -

Uniform: - 70# per sq ft of roadway

Concentrated: - 2-15 Ton Trucks as shown

14'-0" 6'-0"

6000# Axle Loads 24000#

Impact = $\frac{100S}{L+300}$

TABULATION OF APPROXIMATE QUANTITIES	
Structural Steel.	170800 Pounds
Reinforcing Steel	10100 Pounds
Class "S" Concrete	78.22 Cu Yds.

STANDARD PLAN

150 FT. STEEL HIGHWAY BRIDGE

20 FT. ROADWAY - CONCRETE FLOOR

ARKANSAS HIGHWAY DEPARTMENT

LITTLE ROCK - ARKANSAS

CHAIRMAN ARKANSAS STATE HIGHWAY COMMISSION

STATE HIGHWAY ENGINEER

STATE HIGHWAY BRIDGE ENGINEER

MAY - 1927 STATE STANDARD No. F815A

Drawing No 115