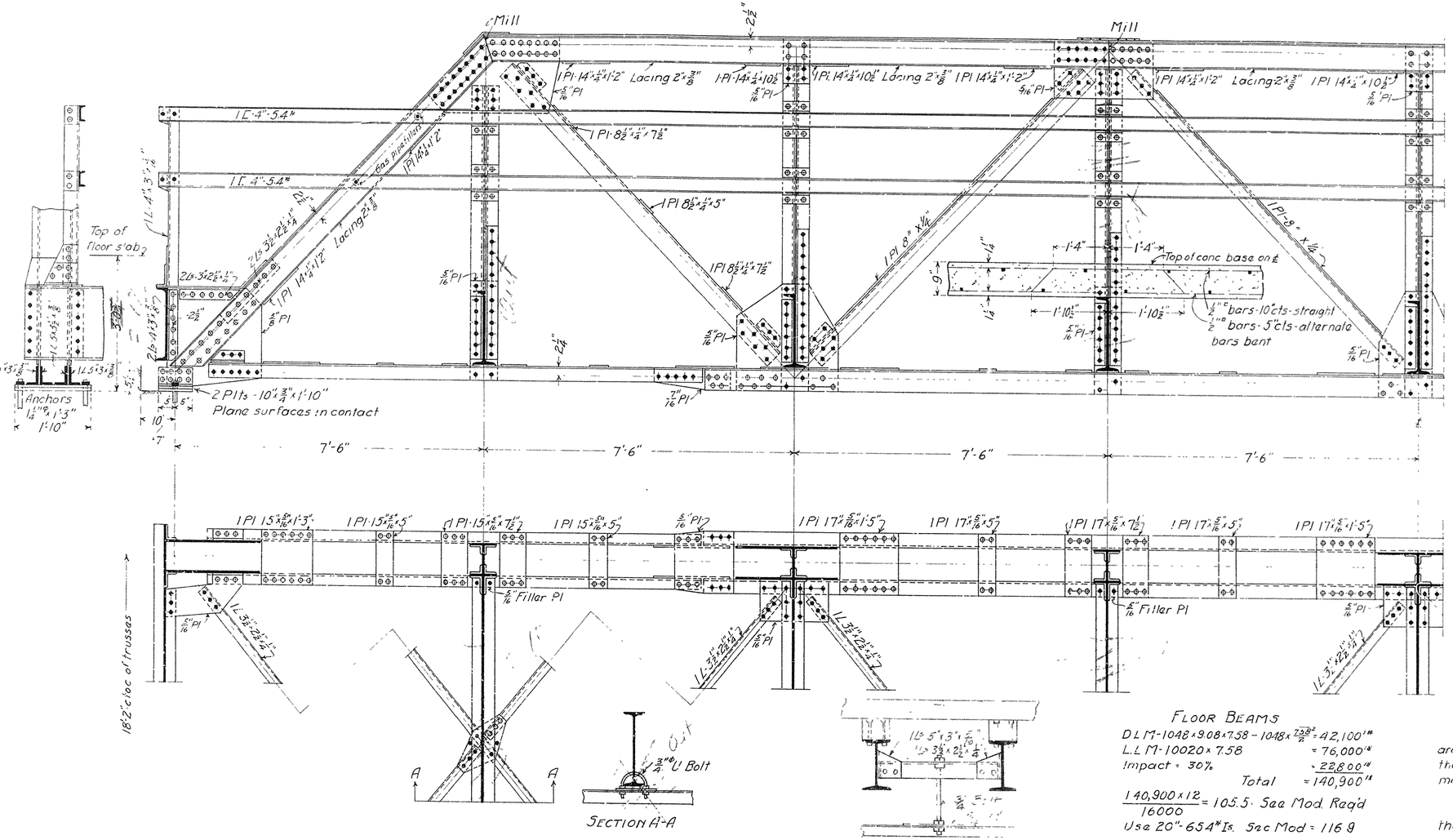
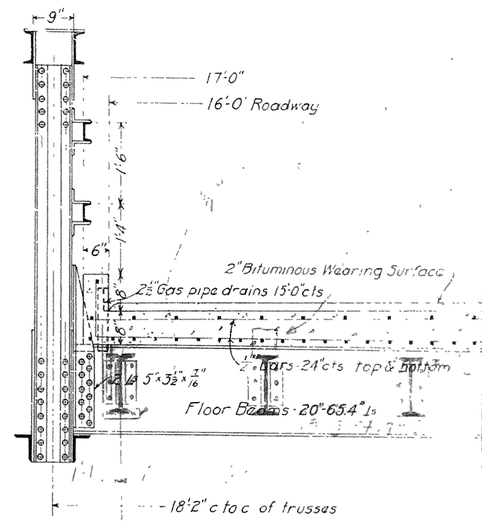
FED AID DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
6	ARK				

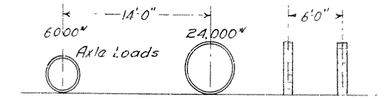




PARTIAL SECTION

SPECIFICATIONS

Live Load - Concentrated 115 Ton Truck as shown below
Equivalent uniform load 125# per sq ft of roadway.



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

Unit stresses See Arkansas Highway Department Specifications
Rivets ¾" diam. & open holes 1⅛" diam. except in flanges of 7" Is
All field connections riveted. Rivet holes in tension members are to be so spaced that not more one hole is deducted from the area of cross section of each angle at the point of maximum stress
Shop paint - One coat of red lead and raw linseed oil
Field paint Two coats of different colors as approved by the engineer
Concrete proportions 1:2:4 If wear comes directly on floor slab, increase floor slab 1" in thickness and use concrete proportions 1:2:3.
Reinforcing steel to be deformed bars of structural or intermediate grade

FLOOR BEAMS

D L M - 1048 x 9.08 x 7.58 - 1048 x $\frac{238^2}{2}$ = 42,100'#
L.L M - 10020 x 7.58 = 76,000'#
Impact = 30% = 22,800'#
Total = 140,900'#

$\frac{140,900 \times 12}{16000}$ = 105.5 See Mod. Req'd
Use 20"-65.4# Is. See Mod = 116.9

ESTIMATED QUANTITIES

Structural Steel-Lbs - 33520
Reinforcing Steel-Lbs - 2730
Concrete - Cu Yds. 29.6

Note: This drawing is general only. Shop drawings must be made in compliance with the specifications, submitted, and approved by the engineer before fabrication is begun

DESIGNED BY	D C E
DRAWN BY	J C E
CHECKED BY	
REVISIONS Jan 19 1924	

STANDARD PLAN

60-FT. STEEL HIGHWAY BRIDGE
16-FT. ROADWAY ~ CONCRETE FLOOR
ARKANSAS HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.

APPROVED BY

CHAIRMAN, ARKANSAS STATE HIGHWAY COMMISSION

RECOMMENDED FOR APPROVAL BY: STATE HIGHWAY ENGINEER

AUG 1924 - 5T-1 STATE HIGHWAY BRIDGE ENGINEER

STATE STD. NO. F-506-A