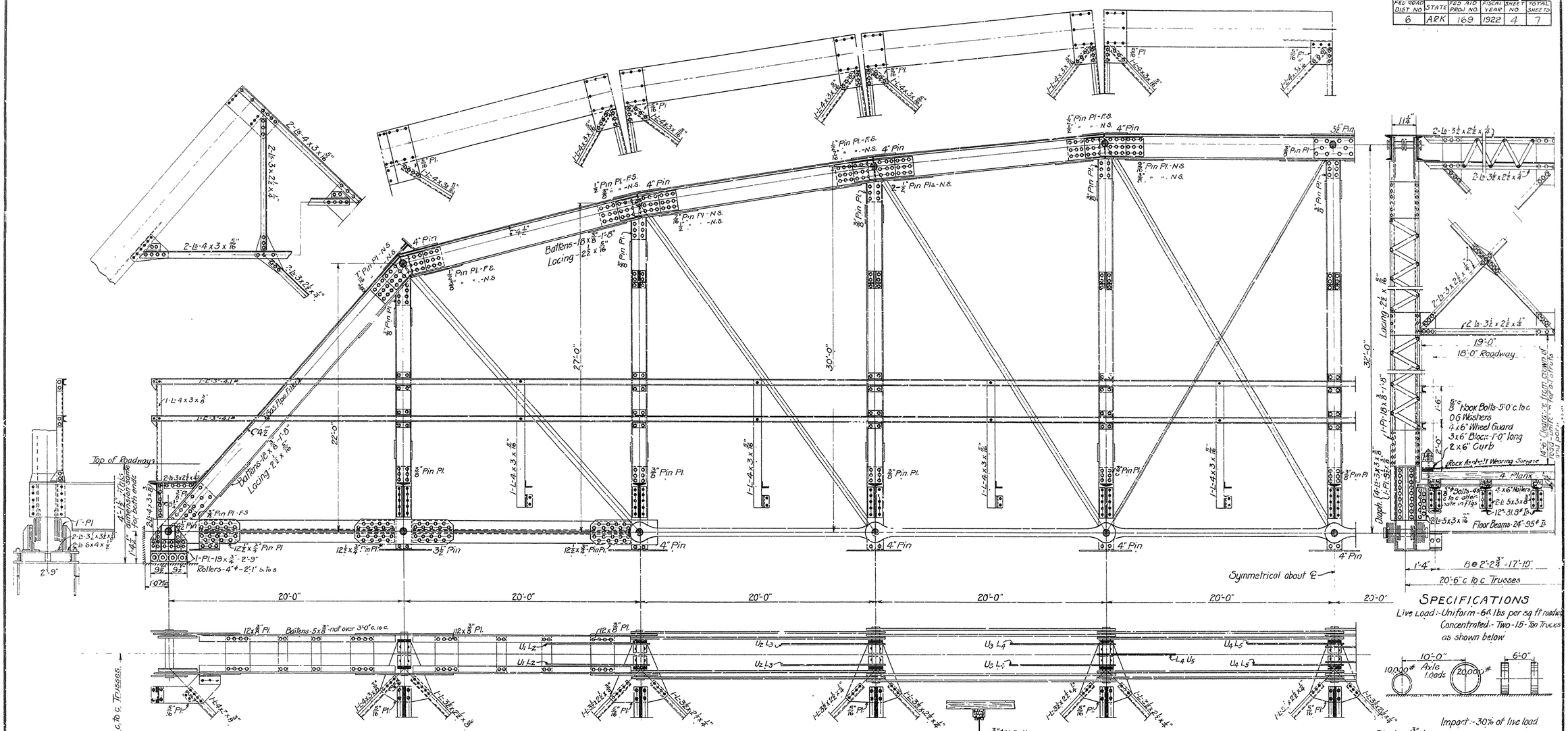
FED ROAD DIST. NO	STATE	FED AID PROJ. NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
6	ARK	169	1922	4	7



SPECIFICATIONS

Live Load:- Uniform - 60 lbs per sq ft roadway
Concentrated:- Two - 15 - Ton Trucks as shown below

STRINGERS

D.L.M. = 1/8 x 139 x 20² = 6,950'#
L.L.M. = 8.3 x 3,500 = 29,150
Impact 30% = 8,745
Total = 44,845'#

44,845 x 12 / 16,000 = 33.6 = Sec. Mod. Req'd.

Use 12" - 31.8# ℔ - Sec. Mod = 36.0

FLOOR BEAMS

D.L.M. = 1/8 x 1300 x 20.5² = 68,200'#
L.L.M. = 8.75 x 25,000 - 6 x 12,500 = 143,500
Impact 30% = 43,050
Total = 254,750'#

254,750 x 12 / 16,000 = 191.2 = Sec. Mod Req'd.

Use 24" - 95# ℔ - Sec. Mod = 191.8

Materials:- Medium, Open Hearth steel. Eye-bars to have upset heads.
Finished Surfaces to be given a coat of white lead and tallow
Shop Paint:- One coat red lead and boiled linseed oil.
Field Paint:- Two coats of different colors as approved by the engineer.
Rock Asphalt Wearing Surface:- See specifications. (406 - Sq. Yds.)
Estimated weight of steel = 208,500#. Lumber: 20,340 Ft. B.M.

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

DESIGNED	N. B. G.
TRACED	E. H. F.
CHECKED	
REVISIONS	

STANDARD PLAN

200-FT. STEEL HIGHWAY BRIDGE

18-FT. ROADWAY-ROCK ASPHALT WEARING SURFACE

ARKANSAS HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.

Approved:- _____
Commissioner State Lands, Highways & Improvements

By _____
State Highway Engineer
Nov. 1922.

STATE STD. No. F-620-A