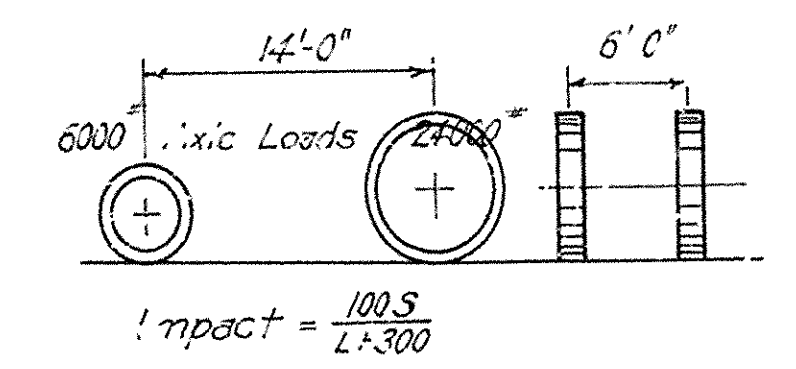


SPECIFICATIONS

Live Load: Uniform - 76 lbs per square foot of Roadway
 Concentrated - 2.16 Ton Trucks as shown



Unit Stresses:- See Arkansas Highway Department Specif. 5/30/25
 Rivets:- 3/4 diam.
 Open Holes:- Rivet holes in main members punch 3/16 smaller than rivet. During shop assembly ream to 1/16 larger than rivet specified.
 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 & raw linseed oil
 Field Paint:- Two coats of different colors as approved by the engineer.
 Batten plates:- Spaced not over 3'-0" centers on tension members.
 Concrete:- Floor slab Class S'. Extra has been added for wear.

	Floor Beam	Stringer
DL.M. - $\frac{1}{2} w l^2$	151,250 Ft.lb.	19,500 Ft.lb.
L.L.M. - $\frac{1}{2} w l^2$	167,700 "	42,250 "
I-30" LL	50,310 "	12,675 "
Total M	370,000 "	74,425 "
Sec. Mod. R_{o1}	277.5	55.7
Beam Used	28" x 106" web 16" x 35" corr.	
Irs Sec. Mod.	286.7	54.7

Estimate of Quantities	
Rein. Steel	7930 lb.
Cl. S Concrete (12" x 6")	61' yd
Str. Steel	12,221 lb.

STANDARD PLAN
120'-0" STEEL HIGHWAY BRIDGE

Concrete Floor 20' Roadway
 ARKANSAS HIGHWAY DEPARTMENT
 LITTLE ROCK

M.B. Sawyer
 Bridge Engineer

Drawing No. 113

NOTE: This drawing is general shop drawings must be submitted for approval!

