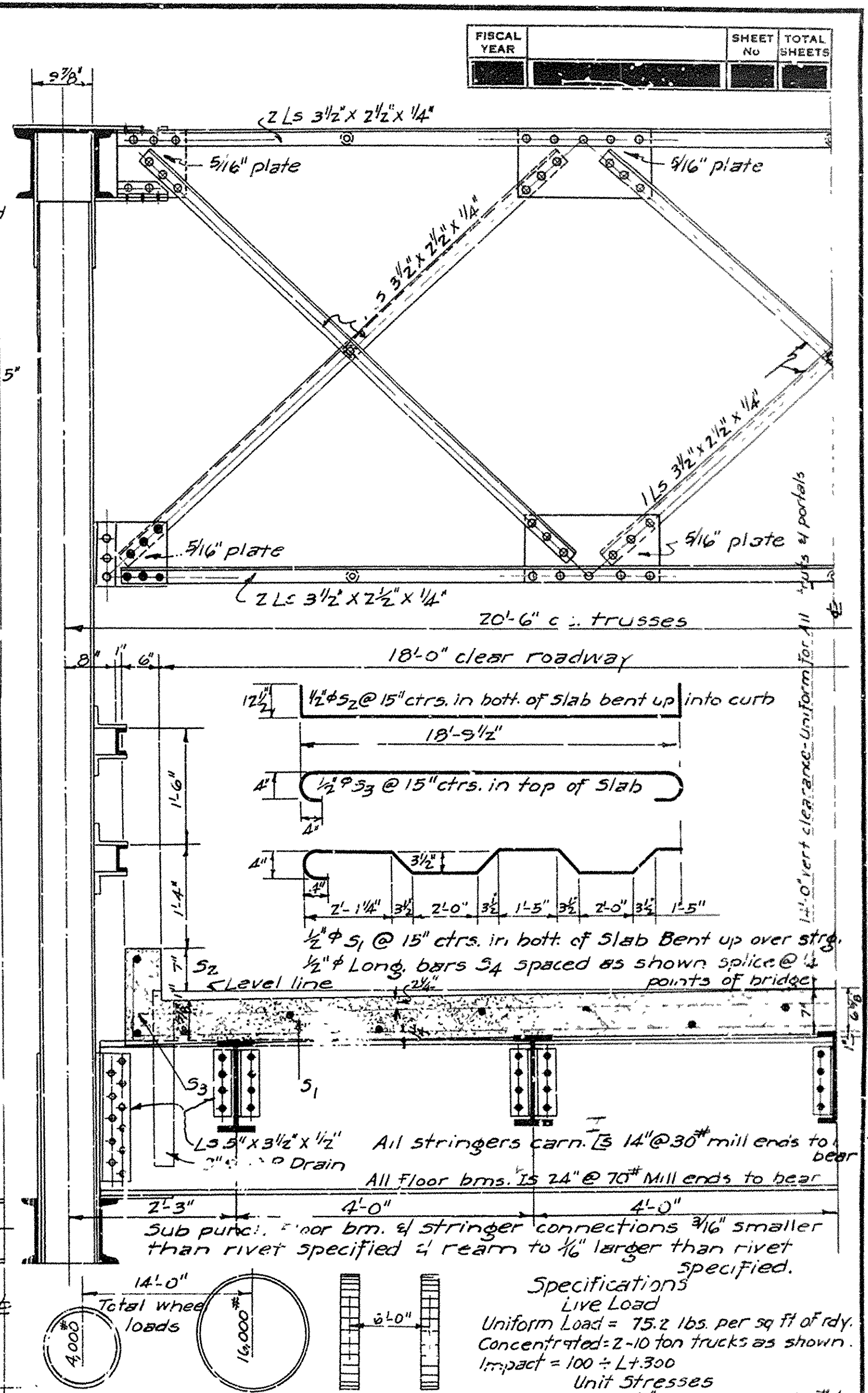
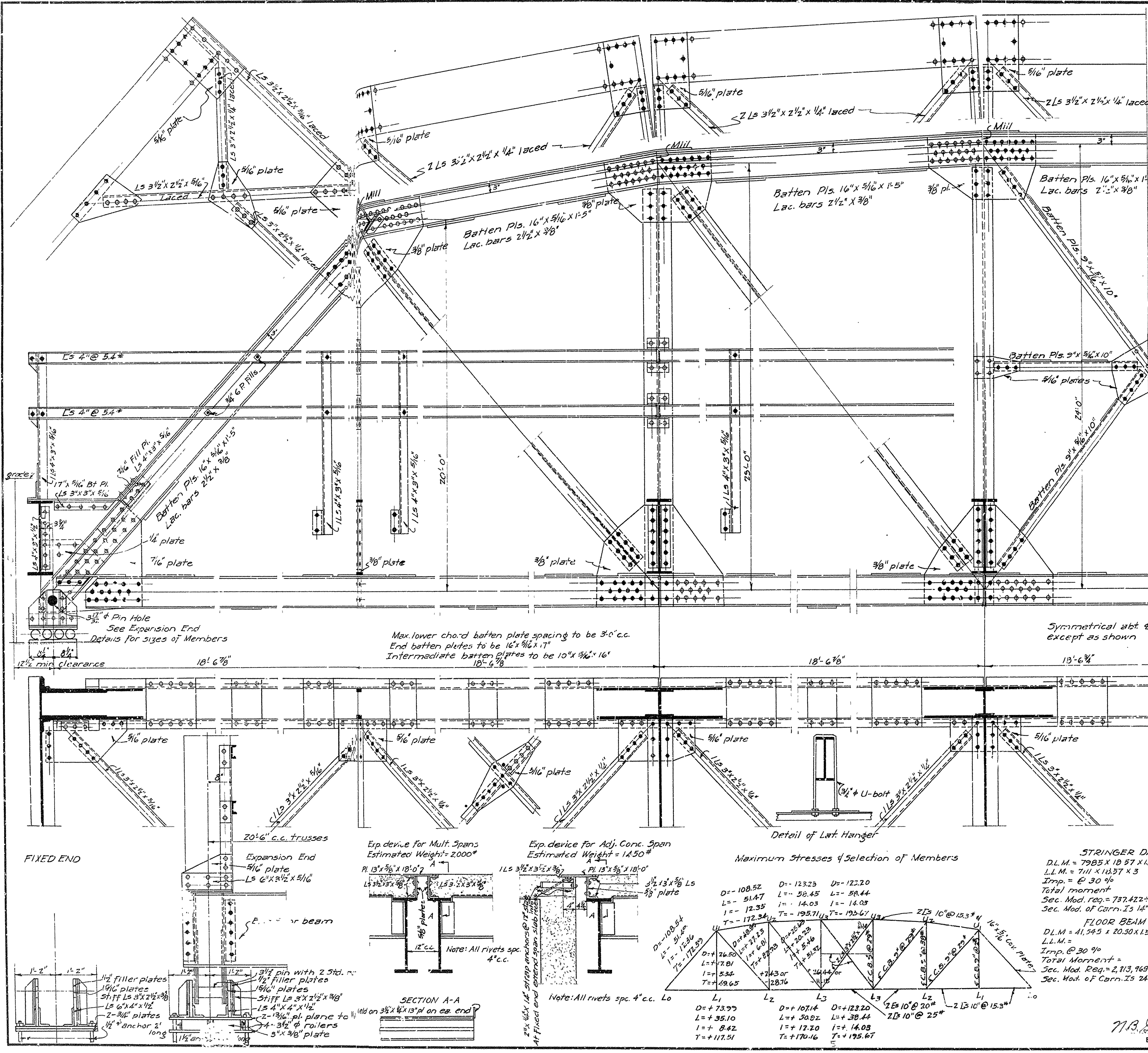


FISCAL YEAR	SHEET NO.	TOTAL SHEETS



Specifications
 Live Load
 Uniform Load = 75.2 lbs. per sq. ft. of rdwy.
 Concentrated = 2-10 ton trucks as shown.
 Impact = 100 ÷ Lt. 300
 Unit Stresses
 Concrete (Class 5) = 810^{psi}/ft.²
 Structural & Reinforcing Steel = 18,000^{psi}/ft.²

Rivets to be 3/4" in diameter
 Rivet Holes: Sub-punch both shop & field holes in main truss connections 3/16" smaller than rivet specified & ream to 1/8" larger than rivet specified during shop assembly. Members shall be match marked and a suitable diagram furnished for erection. All field connections to be riveted.
 Rivet holes in tension members so spaced that only one hole is deducted from each angle at point of Max. stress. Deduct 2 web holes & 1 flange hole from each channel.
 Shop paint - 1 coat red lead & raw linseed oil
 Field paint - 2 coats of different colors as approved by the engineer.
 Batten plates shall be spaced not over 3'-0" ctrs. on tension members.
 Concrete floor slab to be Class 5. Extra 1" is added for wear.
 Stringers & floor beams to be milled exact length.
 Members of equal or greater strength may be used in place of members shown here but payment will be made in accordance with sizes shown.
 This drawing is general only. Shop drawings must be made in compliance with specifications must be submitted & approved before fabrication is begun.
 Specifications: Ark. State Hwy. Dept. Specifications adopted May 30, 1925 & revised

STRINGER DATA
 D.L.M. = 7985 X 18.57 X 15 = 227,422^{ft}³
 L.L.M. = 711 X 18.37 X 3 = 39,615^{ft}³
 Imp. @ 30% = 118,841^{ft}³ Structural Steel (not including Exp. Devices) 111,000 lbs.
 Total Moment = 737,422^{ft}³ Reinforcing Steel = 5,800 lbs.
 Sec. Mod. req. = 737,422 ÷ 18,000 = 40.97 Class 5 concrete (Edge to Edge of End fl. bms. 57.14 c.y.)
 Sec. Mod. of Carn. Is 14" @ 30" = 41.82

FLOOR BEAM DATA
 D.L.M. = 41,545 X 20.50 X 15 = 1,277,509^{ft}³
 L.L.M. = 1,181 X 20.50 X 3 = 72,811^{ft}³
 Imp. @ 30% = 35,568^{ft}³
 Total Moment = 783,949^{ft}³
 Sec. Mod. Req. = 783,949 ÷ 18,000 = 43.55
 Sec. Mod. of Carn. Is 24" @ 70" = 162.82

Estimated Quantities
 111,000 lbs. Structural Steel (not including Exp. Devices)
 5,800 lbs. Reinforcing Steel
 57.14 c.y. Concrete

STANDARD PLAN
130'-0" STEEL SPAN
18'-0" Clear Rdwy.
 ROUTE SEC.
ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.

Drawn By: Noe Date: 4-2-29
 Traced By: E.M.G. Date: 4-6-29
 Checked By: _____ Date: _____
 Scale: 3/8" = 1' ft.
 BRIDGE NO. _____ DRAWING NO. 124

Maximum Stresses & Selection of Members

D = 108.52	D = 123.23	D = 122.20
L = 51.47	L = 38.45	L = 38.44
I = 12.35	I = 14.03	I = 14.03
T = 172.34	T = 193.71	T = 193.67

L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
D = 73.77	D = 107.14	D = 123.20	D = 123.20	D = 123.20	D = 123.20	D = 123.20	D = 123.20	D = 123.20	D = 123.20
L = 35.10	L = 50.82	L = 38.44	L = 38.44	L = 38.44	L = 38.44	L = 38.44	L = 38.44	L = 38.44	L = 38.44
I = 8.42	I = 12.30	I = 14.03	I = 14.03	I = 14.03	I = 14.03	I = 14.03	I = 14.03	I = 14.03	I = 14.03
T = 117.51	T = 170.16	T = 175.67	T = 175.67	T = 175.67	T = 175.67	T = 175.67	T = 175.67	T = 175.67	T = 175.67

