

4" DIMENSIONS

BEAM	1	2	3	4	5	6
Pier	0	0	3/8"	0	0	0
N. Abut.	0	0	1/4"	0	0	0
S. Abut.	0	0	1"	1"	0	0

NOTE A
 1 3/8" Holes - 1" deep in top R for pintles. Thread or press fit pintles into bottom R.

NOTE B
 1 1/2" Holes for 1" anchor bolts. 2 1/2" x 2 1/2" x 3/16" R. Washers under nut.

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

D* (Side of brg. away from fixed brg.)
 D* = 1/8" per each 100' of expansion for every 15° fall below the normal temp. of 50°F.
 D** (Side of brg. toward fixed brg.)
 D** = 1/8" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.

After beams have been erected and dimensions D* or D** determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

BEARING ASSEMBLY DETAILS

TOP OF WEB ELEVATIONS

BEAM	1	2	3	4	5	6
E. Brg. N. Abut	650.85	650.99	651.10	651.08	650.94	650.75
E. Splice #1	650.39	650.53	650.62	650.60	650.44	650.25
E. Brg. Pier	650.24	650.37	650.47	650.44	650.28	650.08
E. Splice #2	650.21	650.34	650.43	650.40	650.24	650.03
E. Brg. S. Abut	649.74	649.86	649.94	649.90	649.73	649.52

MOMENT TABLE (Composite of Positive Moment Areas Only)

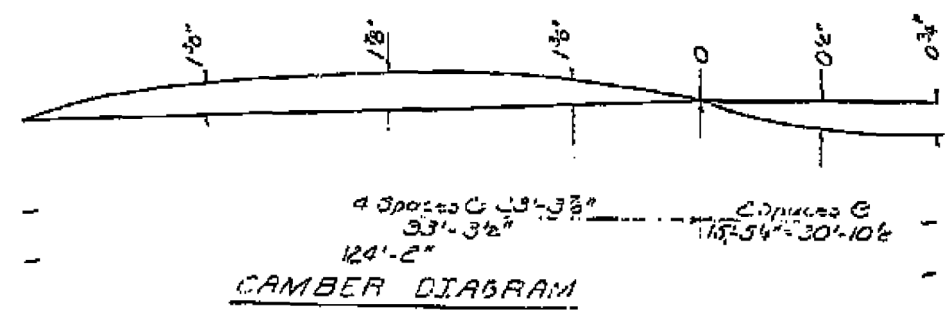
INTERIOR GIRDER MOMENT TABLE		
	O. & S. 1	Pier
I _g (in ⁴)	323.92	8296.9
I _c (in ⁴)	8358.5	
S _e (in ³)	152.9	2766
S _c (in ³)	1371	
R (in)	1.12	1.429
M _g (ft-k)	991	3270
R _{sg} (ft-k)	7.8	13.9
S _E (ft ³)	0.329	
M _g (ft-k)	368	
M _g (ft-k)	117.5	119.5
M _{max} (ft-k)	236	237
TOTAL (ft-k)	1779	1375
V _{g max} (k)	10.8	6.0
V _{total} (k)	18.6	19.9
V _R (k)	59.8	

REACTION TABLE

INTERIOR GIRDER REACTION TABLE		
	Abut.	Pier
R _g (k)	47	229
R _{g max} (k)	6.3	9.1
V _{imp} (k)	10	18
R _{total} (k)	120	338

I_g and S_e are the moment of inertia and section modulus of the steel section.
 I_c and S_c are the moment of inertia and section modulus of the composite section used in computing I_g.
 V_R is the maximum 4 + Impact shear range.

SIGNED: [Signature]
 EXAMINED: [Signature] APRIL 24 1970
 DRAWN: [Signature]
 CHECKED: [Signature]
 APPROVED: [Signature]
 8 9-1 65



BEARINGS
 F.A.I. RT24, SEC. 44-2HB-1
 JOHNSON COUNTY
 STA. 203 + 80 + 86

FOR INFORMATION ONLY