



NOTE A
1 1/2" 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 5/16" R. Washers
under nut.

NOTE C
1 3/8" Holes 1" deep in top R
only for 1 1/4" pintles.

BEARING ASSEMBLY DETAILS

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

- a) 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.

- b) 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.

GIRDER ELEV.(TOP OF WEB)

	G. Brs. Above	G. Splice Below	G. Pier	G. Splice Above	G. Brs. Below
Girder No. 1	663.069	663.073	663.075	663.076	663.080
Girder No. 2	663.181	663.193	663.198	663.197	663.200
Girder No. 3	663.314	663.319	663.317	663.318	663.319
Girder No. 4	663.439	663.438	663.436	663.436	663.436
Girder No. 5	663.436	663.438	663.438	663.436	663.435
Girder No. 6	663.435	663.435	663.435	663.436	663.435
Girder No. 7	663.319	663.318	663.317	663.316	663.314
Girder No. 8	663.200	663.197	663.198	663.195	663.191
Girder No. 9	663.080	663.073	663.073	663.073	663.069

TABLE OF MOMENTS & REACTIONS*

	Moments - Ft. Kips		Reactions - Kips	
	0.4 Span	Pier	Abuts.	Pier
D.L.	574.3	1556.2	34.7	132.4
S.D.L.	228.9	365.3	12.1	39.0
L.L.	874.7	739.2	45.0	75.3
Impact	195.1	164.8	10.0	16.4
Total	1873.0	2825.7	101.8	261.1

* - Interior Beams

PROPERTIES

Steel Section		
	Abut to Splice	Splice to 0.9L
I_x	18,543 in ⁴	58,331 in ⁴
S_x	620.2 in ³	1,040.0 in ³
S_{xc}	627.7 in ³	1,040.0 in ³
Composite Section		
I_c	53,049.0 in ⁴	
S_c	5,586.5 in ³	
S_{cc}	1,319.0 in ³	

DESIGNED	G.E.P.	19
CHECKED	B.H.B.	
DRAWN	J.P.E.	
CHECKED	G.E.P.	

BEARING DET
PROJ. I-55-2/
ST. RTE 108 OVER
F.A.I-55 - SEC.
MONTGOMERY
STA. 1651+

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