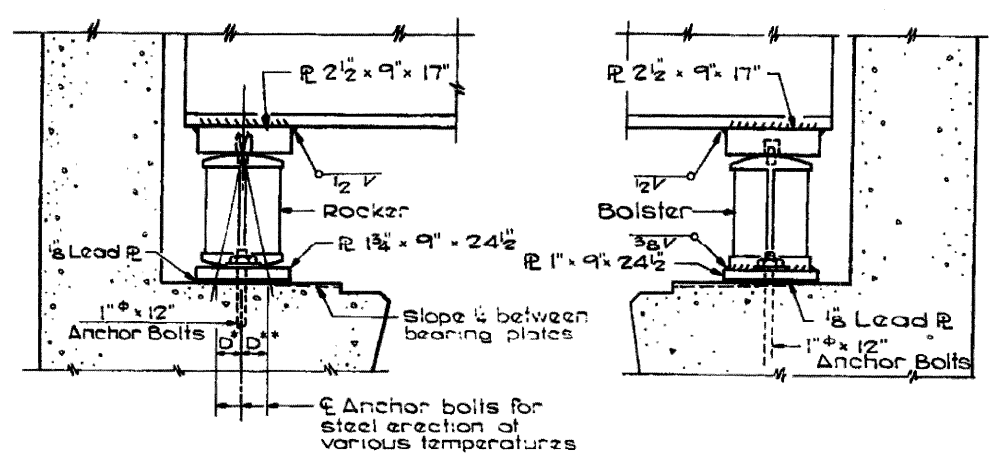


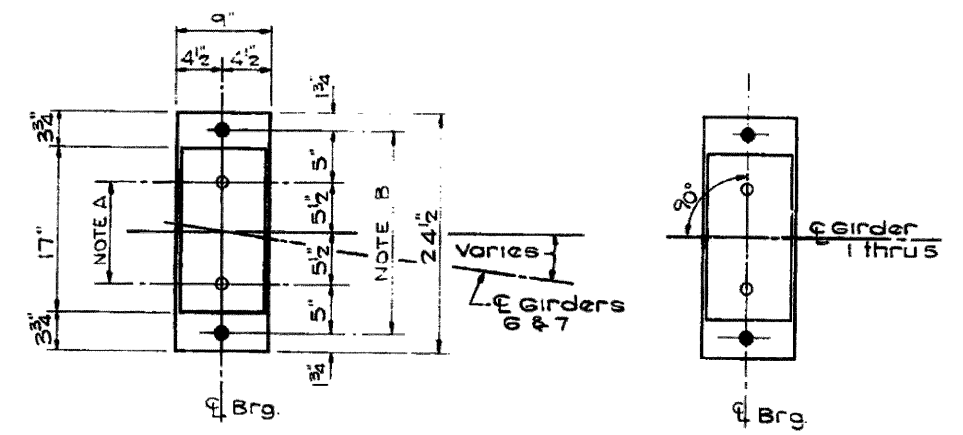
FOR INFORMATION ONLY

F.A. RTE. NO.	SECTION 141-3A, V8, U8, U8-1	TOTAL SHEETS	SHEET NO.
COUNTY	OGLE		7
ILLINOIS PROJECT			



SOUTH ABUTMENT

NORTH ABUTMENT



PLAN - ABUTMENTS

NOTES FOR SETTING OF ANCHOR BOLTS AT EXPANSION BEARINGS

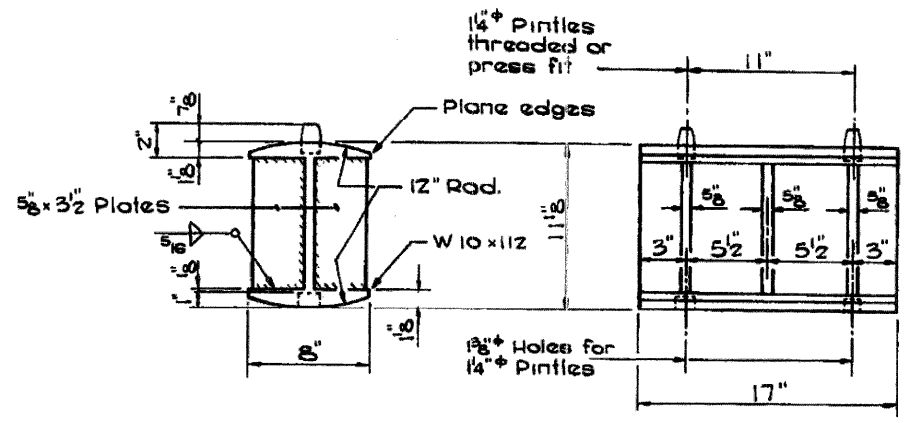
- a) D* (Side of brg. away from fixed brg.)
D* = 1/8 per each 100' of expansion for every 15° fall below the normal temp. of 50° F.
- D** (Side of brg. toward fixed brg.)
D** = 1/8 per each 100' of expansion for every 15° rise above the normal temp. of 50° F.
- b) After beams have been erected and dimensions D* & D** determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.

INTERIOR GIRDER MOMENT TABLE	
	AT MID - SPAN *
IS (in ⁴)	43979
IC (in ⁴)	107122
SS (in ³)	1258.3
SC (in ³)	6745.7
Q (K/ft)	1.078
MR (K)	2228.8
fsQ (ksi)	21.25
SQ (K/ft)	.458
MSQ (K)	931.8
ML (K)	1429.2
Mimp (K)	283.0
Total (K)	2644
fsL+SQ (ksi)	4.71
fs Total (ksi)	25.96
VR (K)	56.9

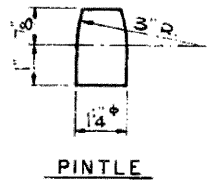
INTERIOR GIRDER REACTION TABLE	
	ABUTMENT
RQ (K)	94.6
RL (K)	57.4
Imp (K)	11.4
R Total (K)	163.4

IS and SS are the moment of inertia and section modulus of the steel section. IC and SC are the moment of inertia and section modulus of the composite section used in computing fs. VR is the maximum L + Impact range in span.

* TOP FLANGE



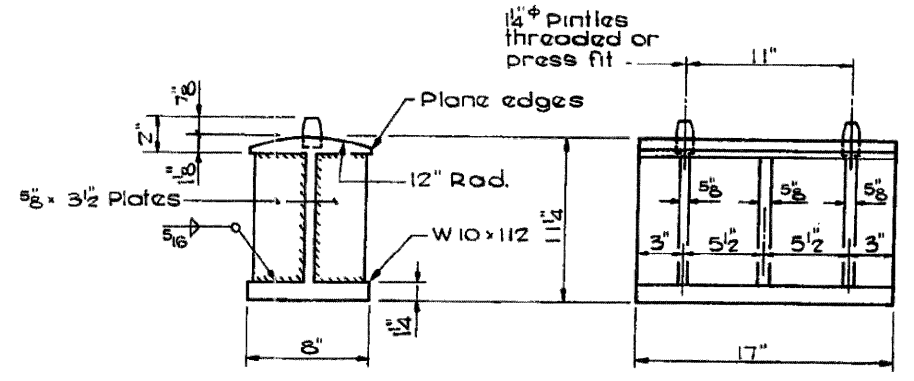
ROCKER



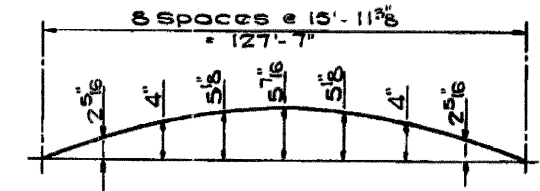
PIN

NOTE A
1/8" Holes - 1" deep in top R for 1/4" Pin. (Thread or press fit Pin. in bottom R. at South Abut. only.)

NOTE B
1/2" Holes for 1" Anchor Bolts - 2 1/2 x 2 1/2 x 5/16 R washers under nut.



BOLSTER



CAMBER DIAGRAM

BEARING DETAILS
(NORTHBOUND STRUCTURE)
FA RTE. 412 SECTION 141-3HB
OVER ILL. RTE. 72
OGLE COUNTY
STATION 2124+50.57

BRIDGE SHEET 20 OF 26
* D2-BRIDGE PAINTING 2008-2

FILE NAME =	USER NAME = linkdj	DESIGNED =	REVISED =
D:\BR\CADD plans\Ogle County\0710046004.dgn		DRAWN =	REVISED =
PLOT SCALE = 50.0000' / IN.	CHECKED =	REVISED =	REVISED =
PLOT DATE = Tue Jan 29 09:23:02 2008	DATE =	REVISED =	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
--------	-----------	----	--------	------	---------

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39		OGLE	18	18
CONTRACT NO. 64D90				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				