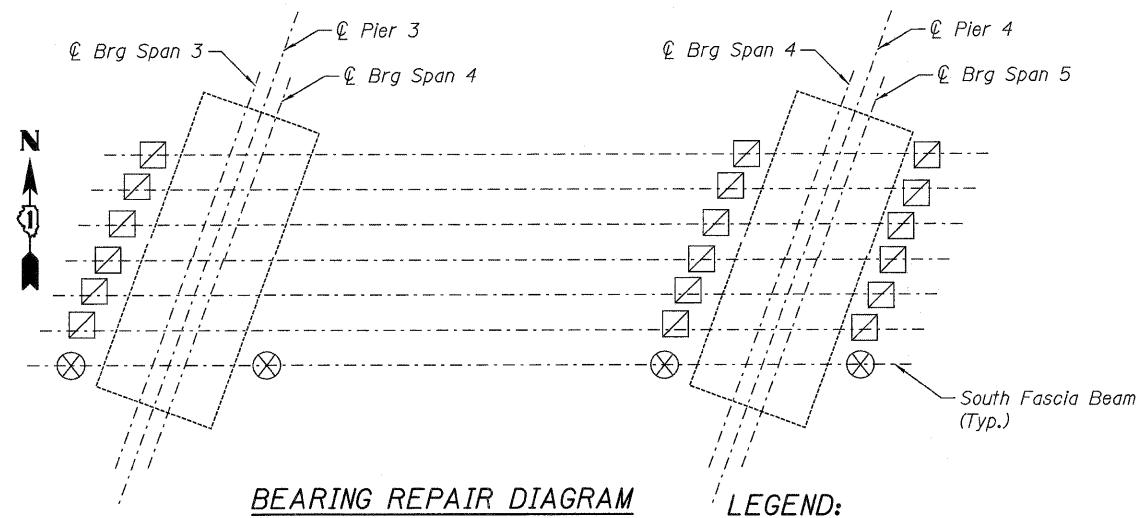
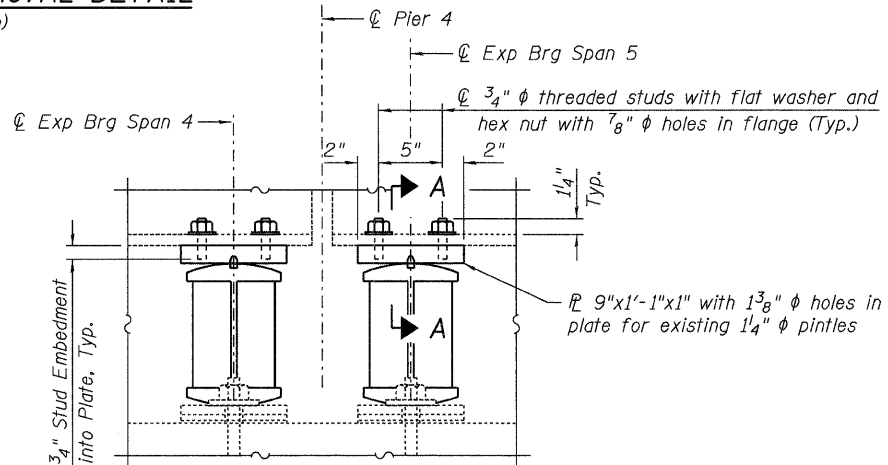
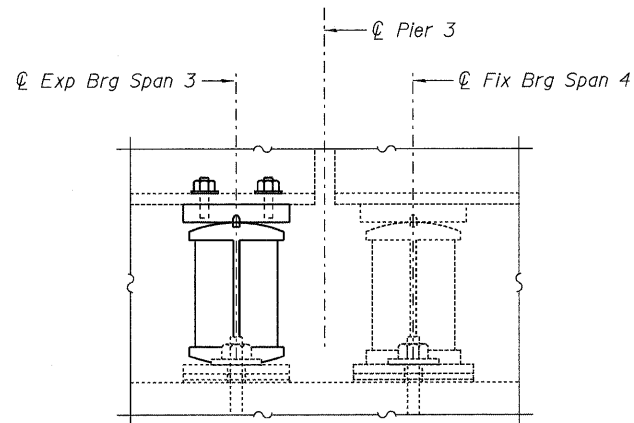


EXISTING BEARING REMOVAL DETAIL
(Looking North)

TOP PLATE AT BRG. REPOSITIONING
(Rocker not shown for clarity)
A=field measured

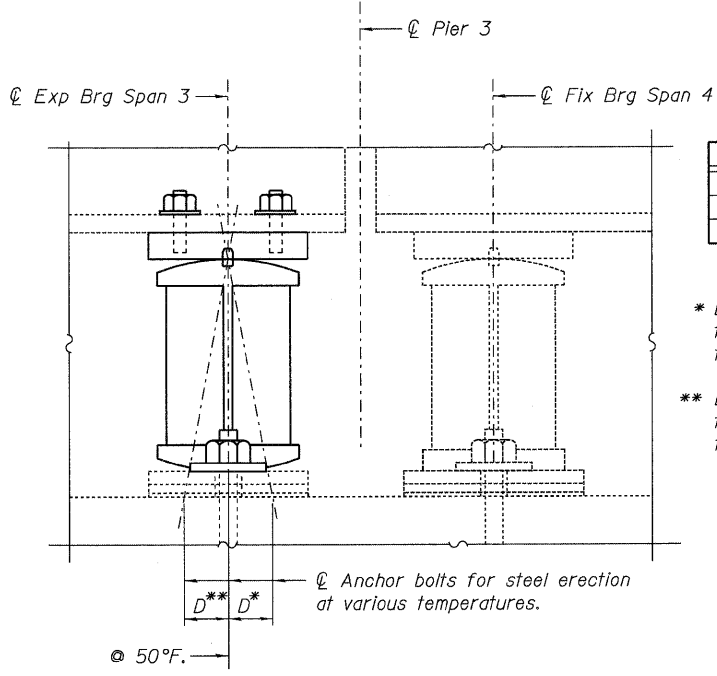
SECTION A-A
*** 3/4"± Contractor to field verify before drilling holes in plate



PROPOSED BEARING CONDITION @ 50°F
(Looking North)

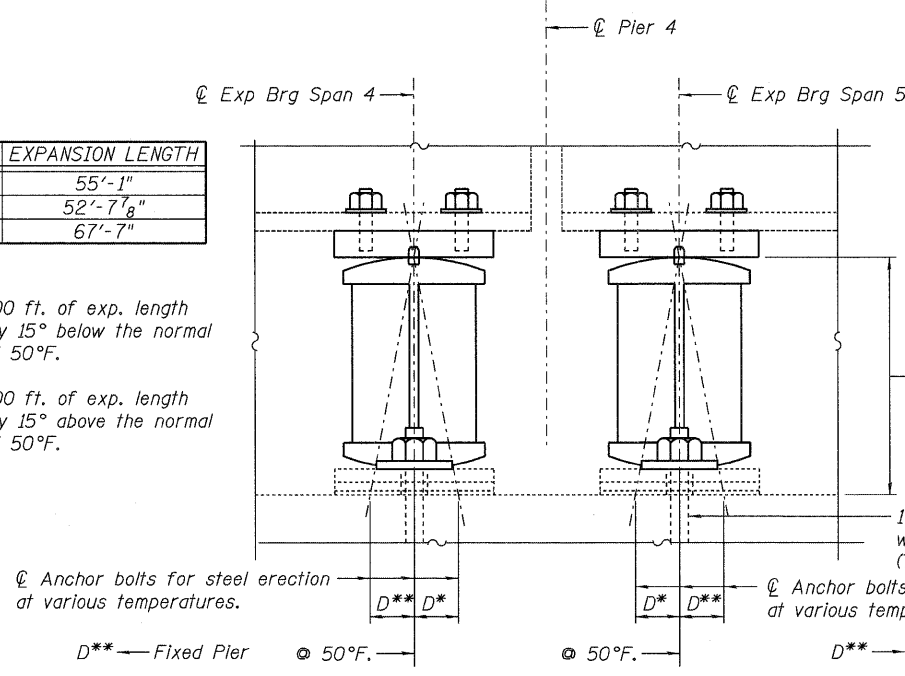
BEARING REPAIR DIAGRAM

- LEGEND:**
- ⊗ Remove and Replace (Reinstall) Bearing
 - ⊠ Jack and Reposition Bearings



SPAN	EXPANSION LENGTH
3	55'-1"
4	52'-7 7/8"
5	67'-7"

* $D = \frac{1}{8}''/100$ ft. of exp. length for every 15° below the normal temp. of 50°F.
 ** $D = \frac{1}{8}''/100$ ft. of exp. length for every 15° above the normal temp. of 50°F.



D** — Fixed Pier @ 50°F.

D** — Fixed Pier @ 50°F.

D** — Fixed Pier @ 50°F.

D** — Fixed Pier @ 50°F.

EXPANSION BEARING POSITIONING FOR BEARING REPLACEMENT
(Looking North) (At ⊗ Locations)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Jack and Reposition Bearings	Each	18
Remove and Replace Bearings	Each	4
Furnishing and Erecting Structural Steel	Pound	730
Anchor Bolts, 1"	Each	8

NOTES:

- The cost to remove the existing top plate is paid as "Jack and Reposition Bearings" or "Remove and Replace Bearings".
- If Contractor uses the same shoring system to repair the pier as he/she uses to jack and reposition the bearings and/or remove and replace the bearings, he/she will only be paid for the shoring system under "Temporary Shoring and Cribbing" and not under "Jack and Reposition Bearings" and/or "Remove and Replace Bearings".
- For beam reactions, see Sheet No. S-9 and S-10 of 14.
- "Remove and Replace Bearings" is the work required to remove the existing bearings for the pier cap reconstruction and reinstall the original bearings with new top plate, see Special Provisions.

DESIGNED - PCA	REVISED -
USER NAME = jsupencheck	DRAWN - RCW
PLOT SCALE = 1:1	CHECKED - ACF
PLOT DATE = 19-JAN-2011	DATE = 1/21/2011
FILE NAME = IP_PWP\dms34565\0990061-60M66-005-BRG.DGN	



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING REPAIRS
WESTBOUND FAI-80 OVER RAILROAD/GARDNER STREET
STRUCTURE NO. 099-0061
SHEET NO. S-5 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99 (4&4-1) RS-3	WILL	203	156
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60M66	