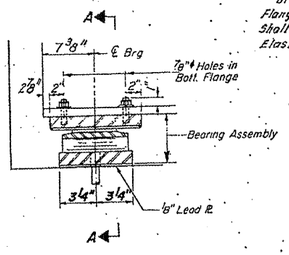
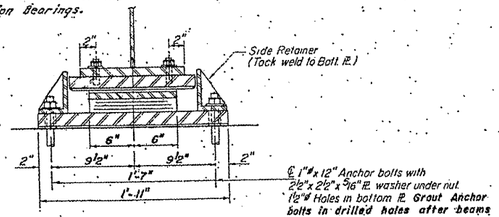
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
VARIOUS	2010-023 BP	VARIOUS	93	57

CONTRACT NO. 60K48

NOTE:
Drilling Holes For Expansion Bearings in Flanges of Existing Beams & in Existing Abutments Shall be Incidental to the Cost of the Elastomeric Expansion Bearings.

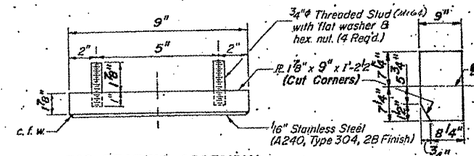


SECTION

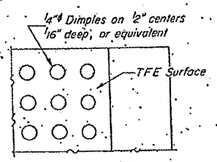


SECTION A-A

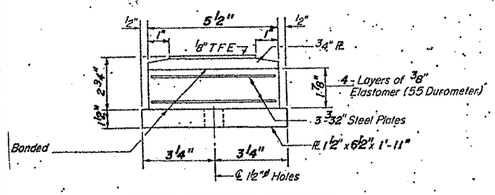
TYPE II TFE ELASTOMERIC EXP. BRG. AT ABUTS.
(32 Required)



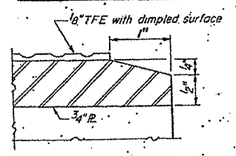
TOP BEARING ASSEMBLY



PLAN-TFE SURFACE.



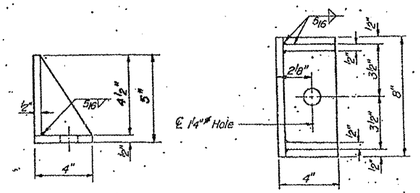
BOTTOM BEARING ASSEMBLY



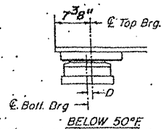
SECTION THRU TFE

Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

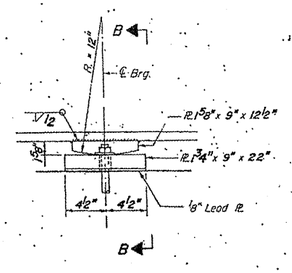


SIDE RETAINER

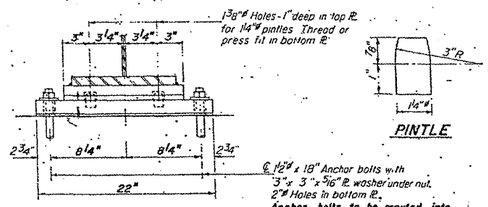


SETTING ANCHOR BOLTS

D = 1/8" per each 100° of expansion for every 15° temp change from the normal temp. of 50°F



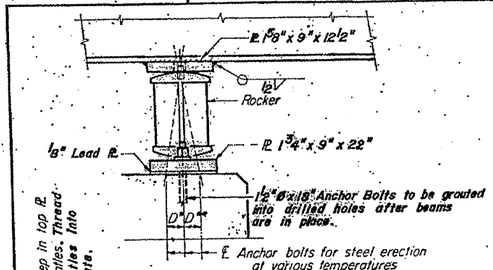
ELEVATION



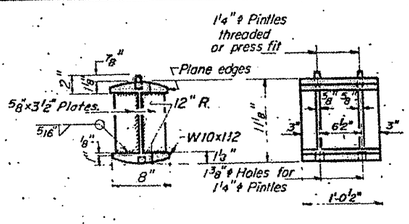
SECTION B-B

PINTLE

FIXED BEARING AT PIER 2
(4 Required)



SECTION



ROCKER

PLAN

NOTES FOR SETTING OF ANCHOR BOLTS

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

EXPANSION ROCKERS AT PIERS 1 & 3
(8 Required)

BEARING ASSEMBLY DETAILS

Sh. 4 of 4

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLAN

LOCATION 11 : SN 016-0811
LAKE COOK RD OVER US 41