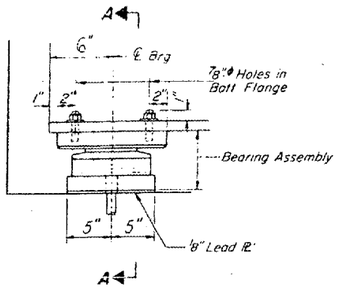
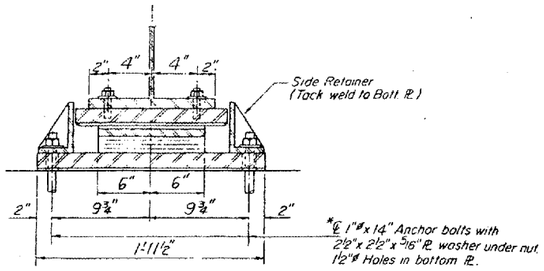
CONTRACT NO.: 98880
ROUTE: VARIOUS
COUNTY: VARIOUS
SECTION: D-9 CONTRACT MAINTENANCE 05-7
SHEET NO.: 17 OF 37

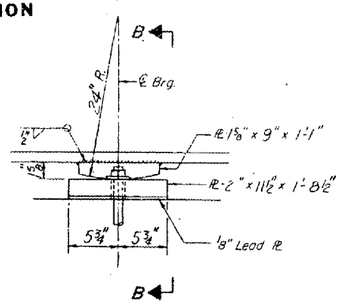
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



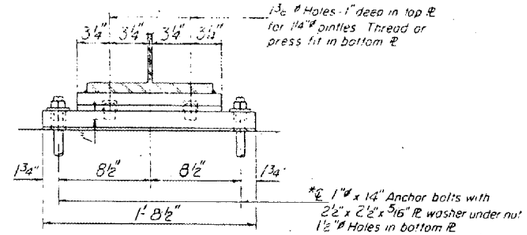
ELEVATION AT W. ABUT.



SECTION A-A



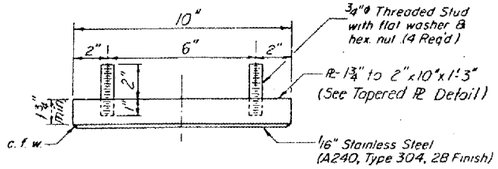
ELEVATION AT PIER 1



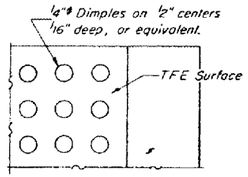
SECTION B-B

FIXED BEARING

TYPE II TFE ELASTOMERIC EXP BRG.



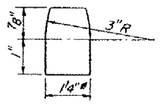
TOP BEARING ASSEMBLY



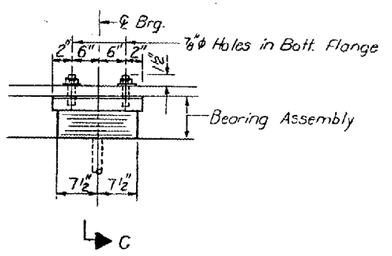
PLAN-TFE SURFACE

*Note: After beams have been erected, holes at expansion bearings shall be drilled and anchor bolts grouted in place. Holes at fixed bearings shall be drilled and anchor bolts grouted in place before beams have been erected. See sht. #13.

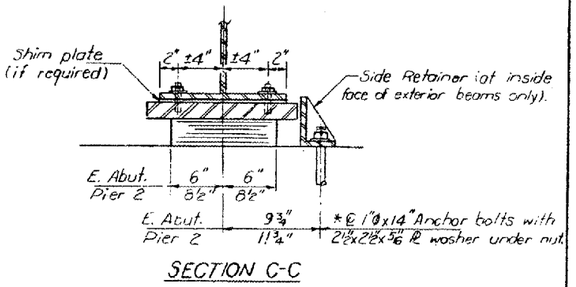
NOTE:
All Structural Steel for bearings shall be AASHTO M222 steel.



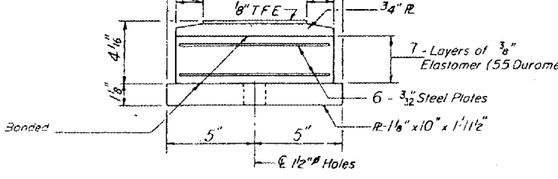
PINTLE



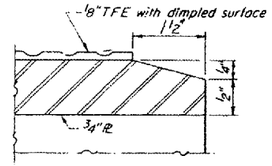
ELEVATION AT PIER 2



SECTION C-C



BOTTOM BEARING ASSEMBLY

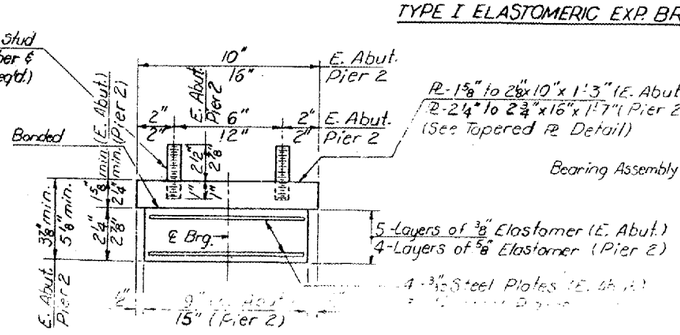


SECTION THRU TFE

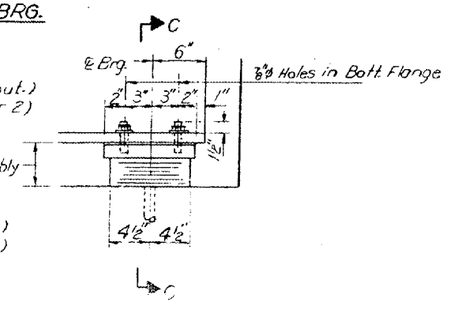
Note: The ⅛" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ⅛" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

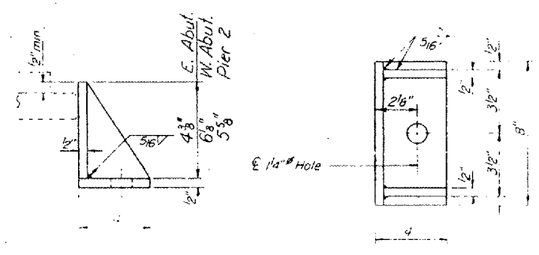
TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY



ELEVATION AT EAST ABUT.

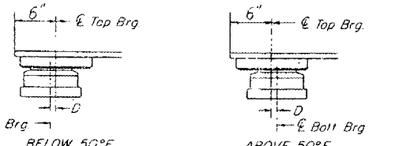


Note: SIDE RETAINER
Retainers made from equivalent rolled angles with stiffeners will be allowed in lieu of welded plates.

DESIGNED	P.K. Brunette
CHECKED	Jim Kohout
DRAWN	R. Doty
CHECKED	J.K.

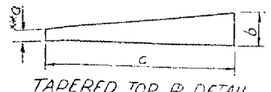
July 10 1984
EXAMINED
PASSED
APPROVED
James L. Rayburn

I-2-E2 4-1-79



BELOW 50°F (Move bott. brg. away from fixed brg.)
ABOVE 50°F (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.
D = ⅛" per each 100° of expansion for every 15° temp. change from the normal temp. of 50°F



TAPERED TOP PL DETAIL
*Place bearing with non-asymmetric dimension (a) on upstation side of bearing.

Location	a	b	c
West Abut.	1¾"	2"	10"
Pier 2	2¼"	2¾"	16"
East Abut.	1⅝"	2⅝"	10"

TABLE OF a, b & c DIMENSIONS

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	10
Elastomeric Bearing Assembly, Type II	Each	5

FOR INFORMATION ONLY:

BRIDGE NO. 3 STRUCTURE 039-0056

BEARING DETAILS
A.P. RT. 107 SEC. 101 B^S-1
JACKSON COUNTY
STA. 320+0000