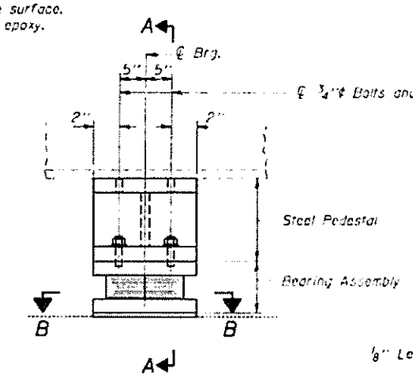
FOR INFORMATION ONLY

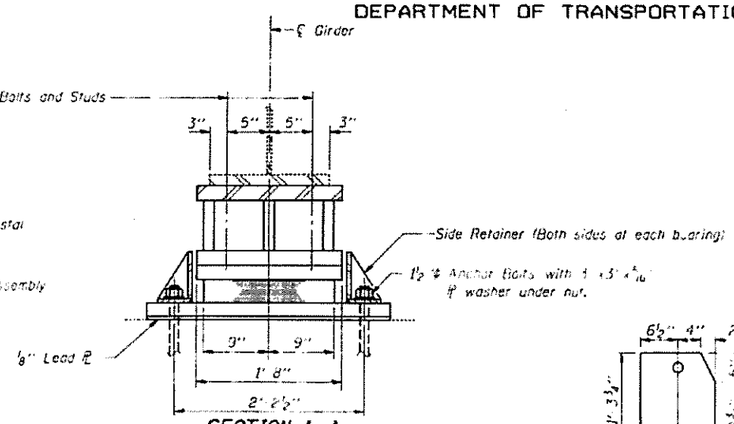
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 16
24 SHEETS

Note: Burn off existing anchor bolts flush with existing concrete surface. Grind smooth and seal with epoxy.

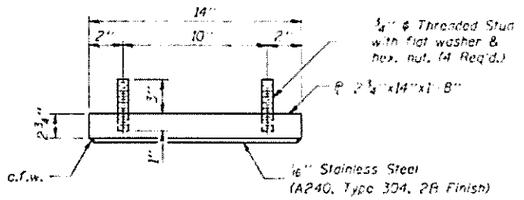


ELEVATION AT PIER
Looking North

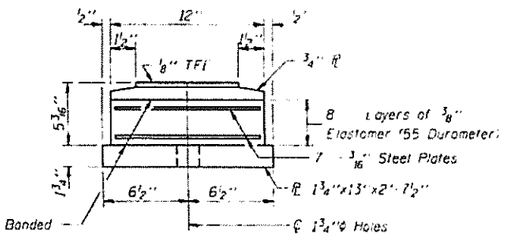


SECTION A-A

TYPE II TFE ELASTOMERIC EXP. BRG.

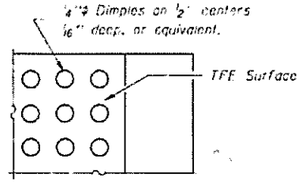


TOP BEARING ASSEMBLY

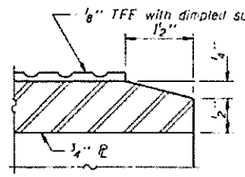


BOTTOM BEARING ASSEMBLY

Note: Before installing the new bearings, remove the top ℄ of the existing bearing assembly from the bottom flange of the girders and grind smooth all weld material remaining on the bottom flange. Cost is incidental to "F.&E. Structural Steel".



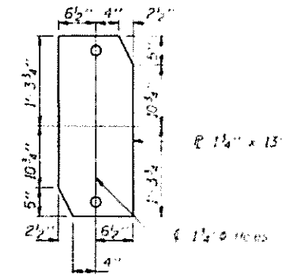
PLAN-TFE SURFACE



SECTION THRU TFE

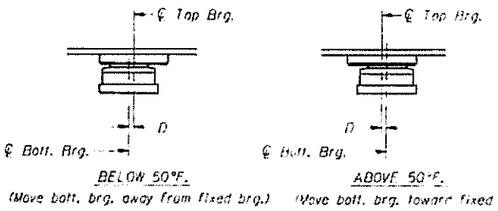
Note: The ⅛" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

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.



SECTION B-B

BOTTOM PLATE CLIPPING DETAIL
ϕ F. B. Structure (082-0187) only

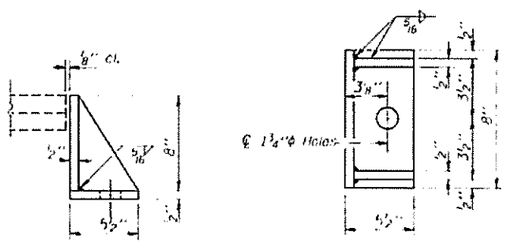


BELOW 50°F. (Move bott. brg. away from fixed brg.)

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

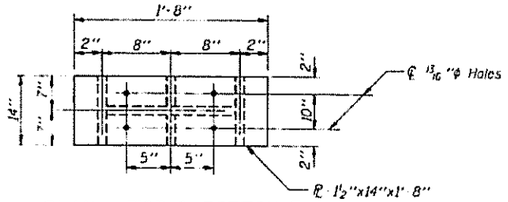
SETTING ANCHOR BOLTS AT EXP. BRG.

D=⅛" per each 100° of expansion for every 15° temp. change from the normal temp. of 50°F.

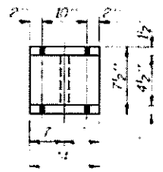


SIDE RETAINER
(24 Required)

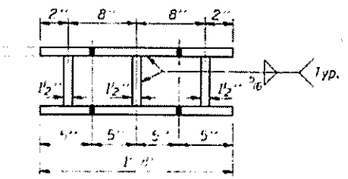
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



PLAN - TOP & BOTTOM ℄



END VIEW



ELEVATION
No. Req'd. : 12

Note: Diaphragm removal and replacement may be required to facilitate drilling holes in bottom flange for bearing attachment. Cost is incidental to "F.&E. Struct. Steel".

BEAM REACTIONS

Live Load	71.3 k
Dead Load	134.0 k
Impact	15.2 k

Note: New steel pedestals, side retainers, lead plates and anchor bolts are included in "Furn. and Erect. Structural Steel".

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II (Special)	Each	12
Furnishing and Erecting Structural Steel	Lbs.	5250

PIER 4

ELASTOMERIC BEARINGS(SPECIAL)

F.A.I. RT. 64 SEC. 82-8BI-(1,2)

ST. CLAIR COUNTY

STA. 145 + 10 - W.B. (082-0186)

STA. 1046 + 44 - E.B. (082-0187)

(S.N. 082-0186 & 082-0187)

DESIGNED	C.H.N.
CHECKED	P.A.B.
DRAWN	r.b. carbonell
CHECKED	C.H.N.

19
EXAMINED
ENGINEER OF STRUCTURAL SERVICES
PASSED
ENGINEER OF BRIDGES AND STRUCTURES
APPROVED
DIRECTOR OF HIGHWAYS

I-2-E2 12-1-83

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - ___	REVISED - ___
		DRAWN - ___	REVISED - ___
	PLOT SCALE = $SCALE$	CHECKED - ___	REVISED - ___
	PLOT DATE = $DATE$	DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BEARING DETAILS (SN-082-0186, 0187)

SCALE: ___ | SHEET NO. __ OF ___ SHEETS | STA. ___ TO STA. ___

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B-P	CLINTON	29	19
		CONTRACT NO. 76663		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		