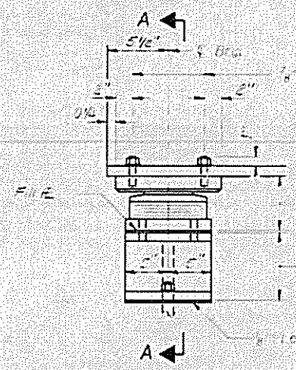
FOR INFORMATION ONLY

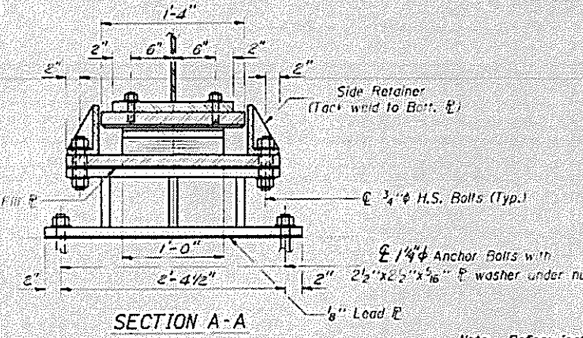
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

					SHEET NO.
I-2 E4	*	ST. CLAIR	24	14	SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* 82-8BI-(1,2)



ELEVATION AT ABUT.

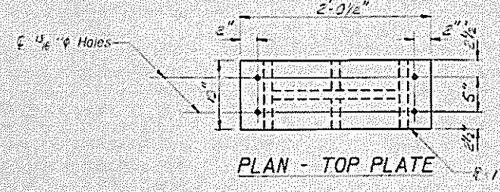


SECTION A-C

TYPE II TFE ELASTOMERIC EXP. BRG.

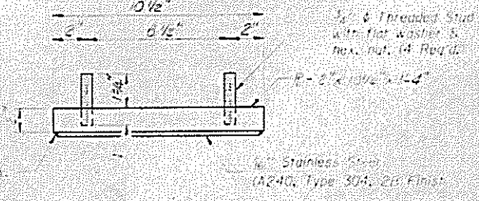
Note: Burn off existing anchor bolts flush with existing concrete surface. Grind smooth and seal with epoxy.

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".

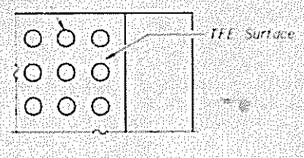


PLAN - TOP PLATE

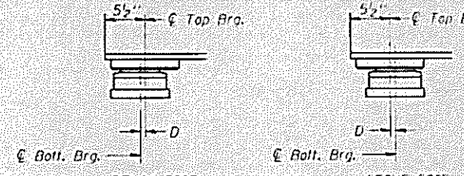
Note: Before installing the new bearings, remove the top ℄ of the existing bearing assembly from the bottom flange of the girders and grind smooth all weld material remaining on the bottom flange. Cost is incidental to "F.&E. Structural Steel".



TOP BEARING ASSEMBLY

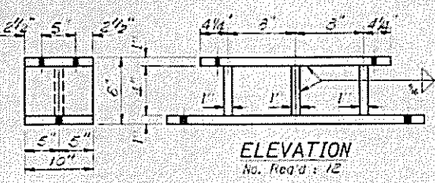


PLAN-TFE SURFACE

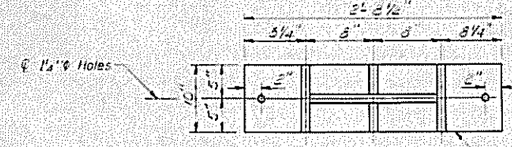


SETTING ANCHOR BOLTS AT EXP. BRG.

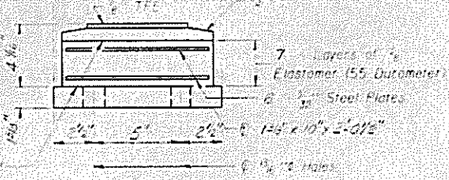
D=⅛" per each 100° of expansion for every 15° temp. change from the normal temp. of 50°F.



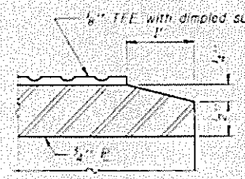
ELEVATION
No. Req'd.: 12



PLAN - BOTTOM PLATE



BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

Note: Note: Plates are required at these locations.

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

BILL OF MATERIAL

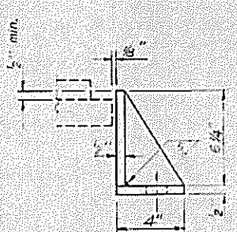
Item	Unit	Total
Elastomeric bearing, Assembly, Type II	Each	12
Furnishing and Erecting Structural Steel	Lbs.	3390

Note: The ¼" 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.

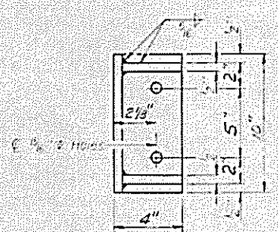
Bonding of ¼" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

BEAM REACTIONS

Live Load	41.3K
Dead Load	37.4K
Uplift	9.3K



SIDE RETAINER
Equivalent rolled angle with stiffener will be allowed in lieu of welded plate.



WEST ABUTMENTS
S.N. 082-0186 & 082-0187
ELASTOMERIC BEARINGS

FAI ROUTE 64
SEC. 82-8BI-(1,2)
ST. CLAIR COUNTY

DESIGNED	EXAMINED
CHECKED	PASSED
DRAWN	APPROVED
CHECKED	

I-2-E2

FILE NAME = $FILE$	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: N/A | SHEET NO. __ OF ___ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-8B-P	ST CLAIR	29	17
		CONTRACT NO. 76063		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		