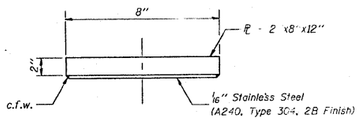
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 304	5A-BR	CALHOUN	60	24

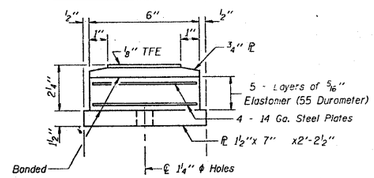
SHEET NO. 24
25 SHEETS

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT:

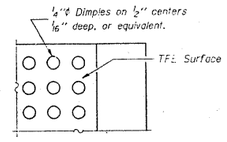
I SRD-2,SNDS,S-1151.031-E



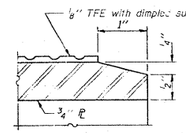
TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY



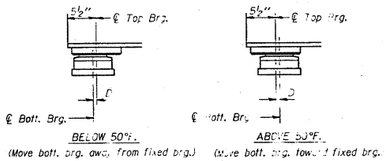
PLAN-TFE SURFACE



SECTION THRU TFE

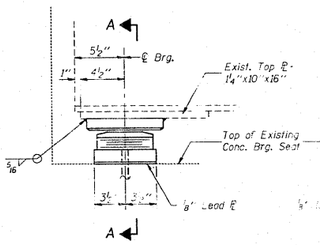
Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A 134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

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.

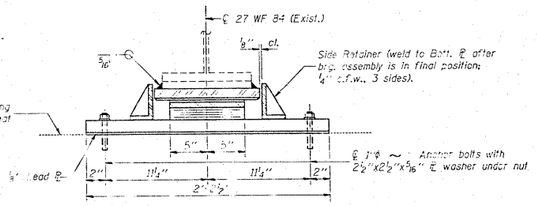


SETTING ANCHOR BOLTS AT EXP. BRG.

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



ELEVATION AT ABUT.



SECTION A-A

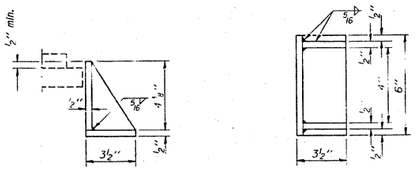
TYPE II TFE ELASTOMERIC EXP. BRG.

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

Side retainers and 1"ϕ anchor bolts shall be included in "F.&E. Structural Steel".

BEAM REACTIONS

Live Load	28.4 kips
Dead Load	12.5 kips
Impact	8.5 kips



SIDE RETAINER

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

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	6
F.&E. Structural Steel	Lbs.	150

WEST ABUTMENT
ELASTOMERIC BEARINGS
F.A. RT. 2 OVER FOX CREEK
F.A. RT. 2 SEC. 5-1BI
CALHOUN COUNTY
STA. 475 + 15.5

(S.M. 007-0013)

DESIGNED	R. Brunette	EXAMINED 19
CHECKED	Kenneth P. Stultz	PASSED ENGINEER OF STRUCTURAL SERVICES
DRAWN	r.b. carbonell	APPROVED ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	R. Brunette	DIRECTOR OF HIGHWAYS

I-2-E2 12-1-83

FOR INFORMATION ONLY

FILE NAME = c:\projects\ed82305\plan\pln82305a.dgn	USER NAME = ownbj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/11/2008	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5A-BR	CALHOUN	60	51
		CONTRACT NO. 76886		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT