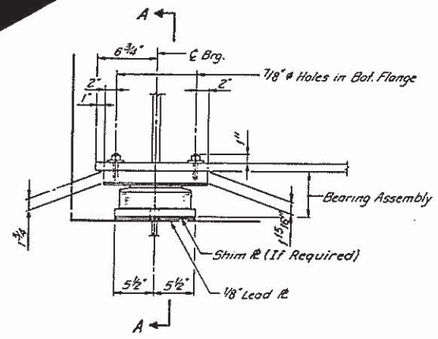
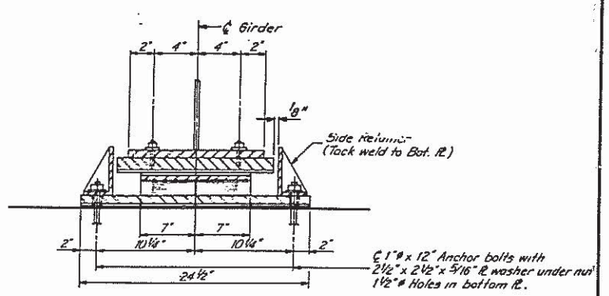
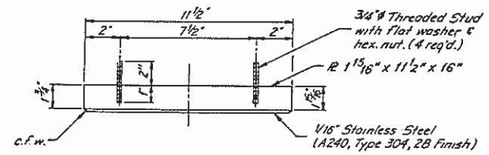
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
406	54-10HB-3	LOGAN	51	27
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJ.		



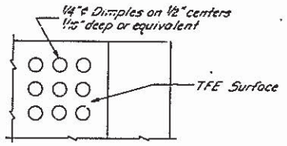


SECTION A-A

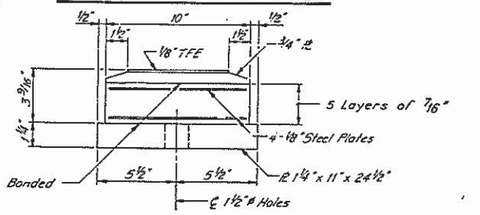
EAST ABUTMENT
TYPE II TFE ELASTOMERIC EXP. BRG.



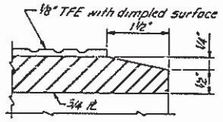
TOP BEARING ASSEMBLY



PLAN--TFE SURFACE



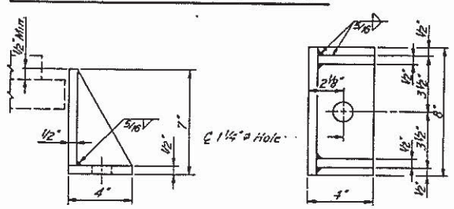
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

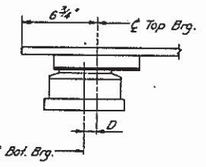
NOTE : The ⅛" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification AMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

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.

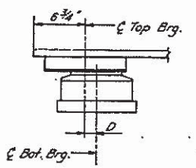


SIDE RETAINER

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



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

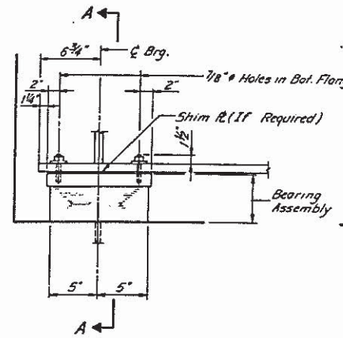


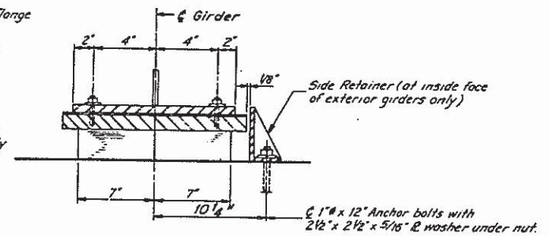
ABOVE 50°F
(Move bot. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

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

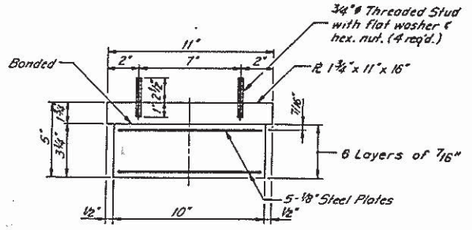
DESIGNED	PLH
CHECKED	RBQ
DRAWN	VOLK
CHECKED	PLH & RBQ





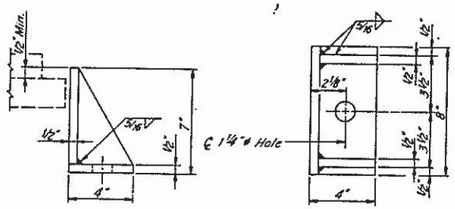
SECTION A-A

WEST ABUTMENT
TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

NOTE : Shim plates shall not be placed under assembly.



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 I	Each	10
Elastomeric Bearing Assembly Type II	Each	5

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
EMDEN ROAD OVER ILLINOIS ROUTE 121
F.A. RTE. 406 SECTION 54-10HB-3
Sta. 101+50.21 (EMDEN ROAD)
Sta. 439+27.24 (F.A. RTE. 406)
LOGAN COUNTY
STRUCTURE NO. 054 0078

FILE NAME = D:\OPERATIONS\Bridgeplans_CAD\72H37 - beam end paint FY15 CH\plansheet.dgn	USER NAME = dudleybm	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = Aug-28-2014 01:42:24PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS SN 054-0078
(FOR INFORMATION ONLY)
SCALE: _____ SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D6 BDGE PAINTING 2015-1	VARIOUS	58	10
		CONTRACT NO. 72H37		
	ILLINOIS FED. AID PROJECT			