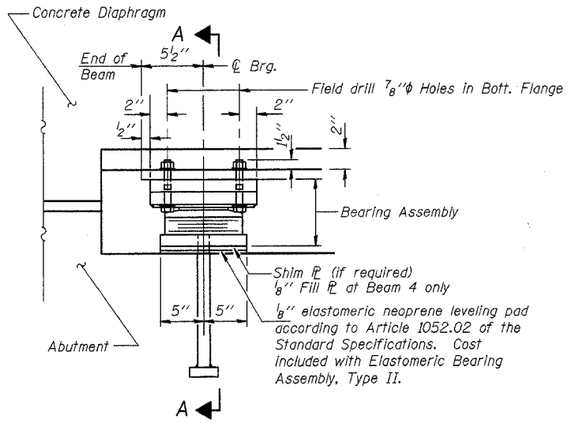
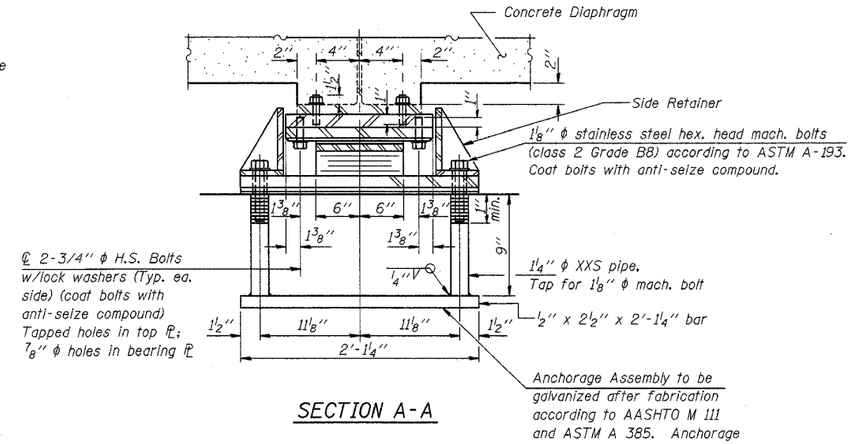
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 72	74-70HBR	PIATT	41	28
FED. ROAD DIST. NO. 5	ILLINOIS	PROJECT		

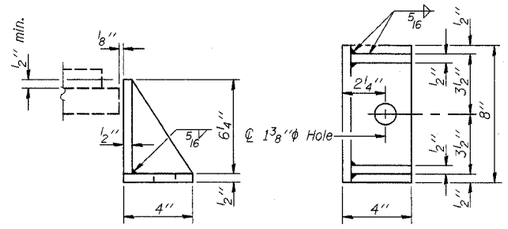
Sheet 12 of 20 CONTRACT #90957



ELEVATION AT ABUT.



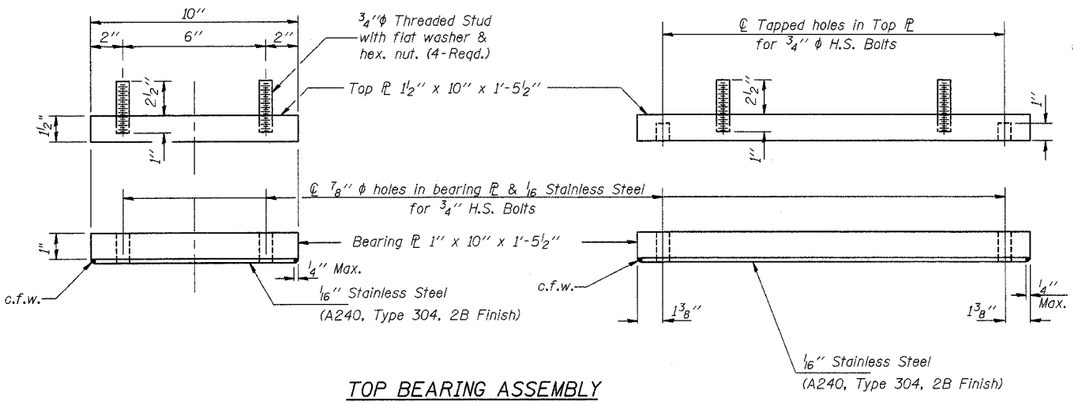
SECTION A-B



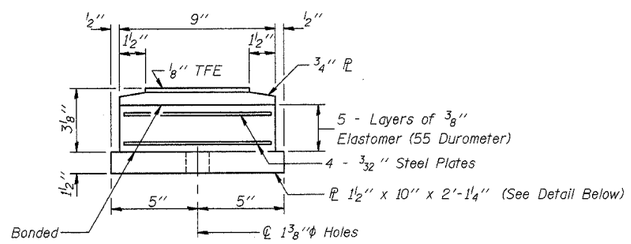
SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

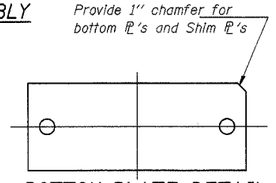
TYPE II ELASTOMERIC EXP. BRG. AT ABUTMENTS



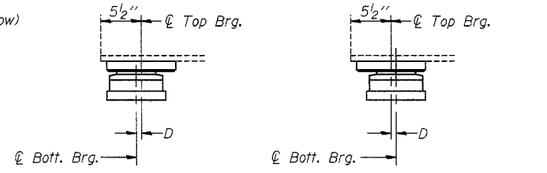
TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY

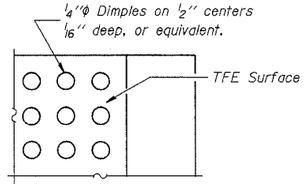


BOTTOM PLATE DETAIL



SETTING ANCHOR BOLTS AT EXP. BRG.

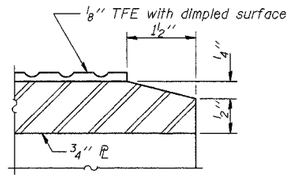
D=⅛" per each 100° of expansion for every 15° temp. change from the normal temp. of 50°F.



PLAN-TFE SURFACE

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 THRU TFE

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12

Notes: Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included with Furnishing and Erecting Structural Steel.

New side retainers, shim PL's, connection bolts, and anchorage assembly are included with Furnishing and Erecting Structural Steel.

See Sheet 17 of 20 for Anchorage Assembly installation.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

See Sheet 11 of 20 for Removal of Existing Bearings and Jacking Existing Superstructure.

DESIGNED	A.J.E. & T.S.H.
CHECKED	M.D.C.
DRAWN	A.J.E. & T.S.H.
CHECKED	M.D.C.

I-2-E2 9-01-03

BEARING DETAILS

IL ROUTE 10 OVER I-72
F.A.I. ROUTE 72 SECTION 74-70HBR
PIATT COUNTY
ST. 1421+61.77
S.N. 074-0007

CUMMINS ENGINEERING CORPORATION

JOB #: 2088
FILE: 088BRG
DATE: 6/30/04