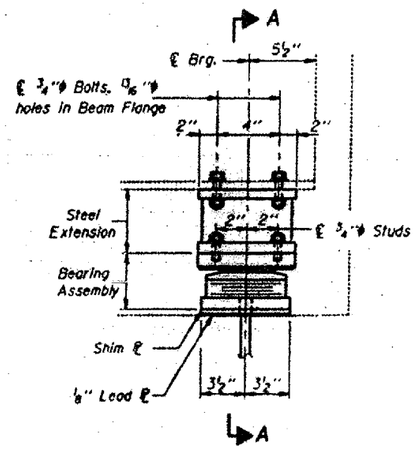
CONTRACT NO.: 98882
ROUTE: VARIOUS
COUNTY: VARIOUS
SECTION: D-9 CONTRACT MAINTENANCE 05-7
SHEET NO.: 38 OF 58

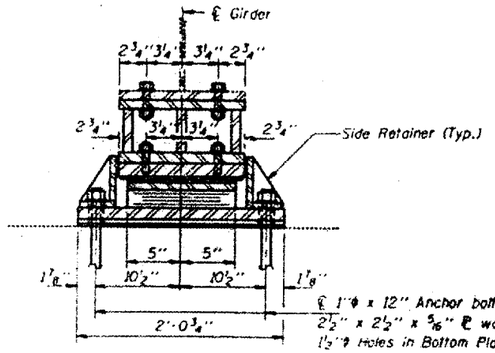
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 24	*	MASSAC	19	16

SHEET NO. 4
6 SHEETS
* DIST. BRIDGE MAINT. (1991)

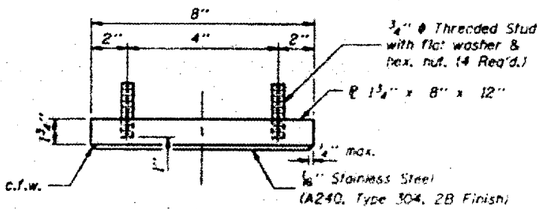


ELEVATION AT EAST & WEST ABUTMENT

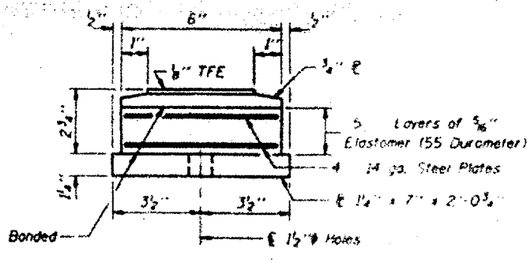


SECTION A-A

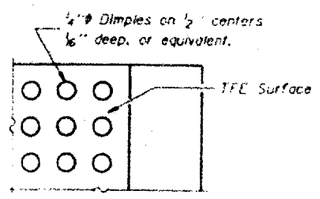
TYPE II TFE ELASTOMERIC EXP. BRG.



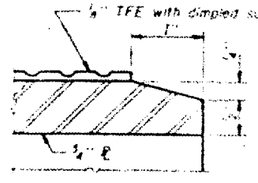
TOP BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY



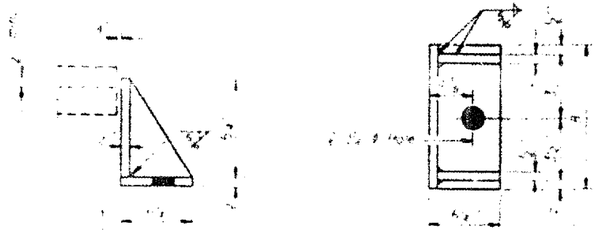
PLAN-TFE SURFACE



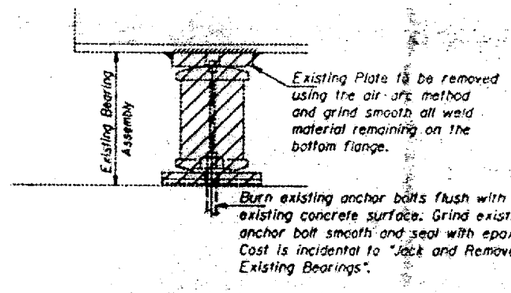
SECTION THRU TFE

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.



SIDE RETAINER



EXISTING BEARING REMOVAL DETAIL

GIRDER REACTIONS

RP	(K)	12.9
RL	(K)	33.6
Imp.	(K)	10.1
R (Total)	(K)	56.6

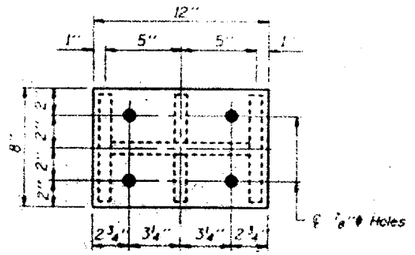
Notes: Diaphragm removal and replacement may be required to facilitate drilling holes. Cost shall be included in the cost of "Furnishing and Erecting Structural Steel".

New steel extensions, side retainers, connection bolts, anchor bolts and lead plates are included in "Furnishing and Erecting Structural Steel".

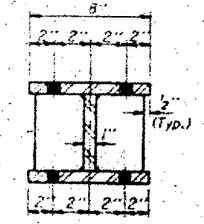
See sheet 6 for Anchor Bolt installation.

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

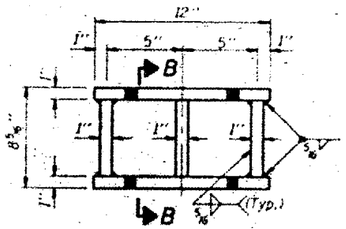
Minimum jack capacity = 25 tons.



PLAN TOP AND BOTTOM PLATE



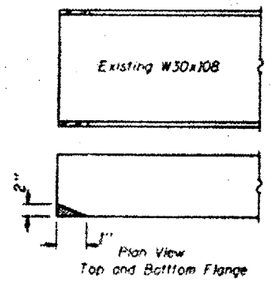
SECTION B-B



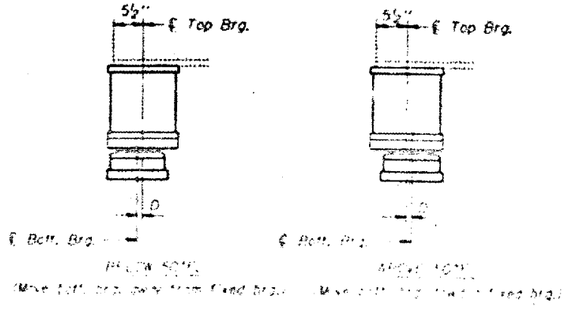
STEEL EXTENSION DETAIL

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Jack and Remove Existing Bearings	Each	12



FLANGE CLIP DETAIL



SETTING ANCHOR BOLTS AT EXP. BRG.

DESIGNED	V.I.
CHECKED	
DRAWN	V.I.
CHECKED	V.I.

APRIL 2, 19 98
EXAMINED
PASSED

TYII

BEARING REPLACEMENT

FOR INFORMATION ONLY:

BRIDGE NO. 7 STRUCTURE 064-0025

BRIDGE NO. 8 STRUCTURE 064-0026