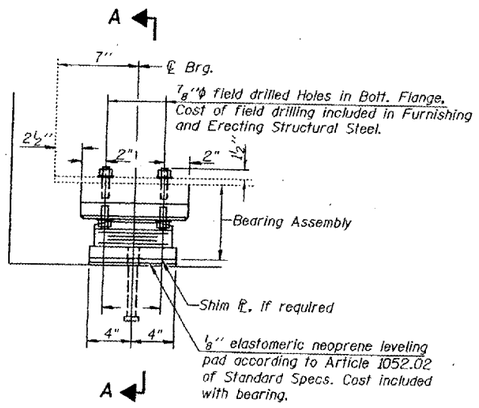
CONTRACT NO.: 98881
ROUTE: VARIOUS
COUNTY: VARIOUS
SECTION: D-9 CONTRACT MAINTENANCE 05-7
SHEET NO.: 19 OF 31

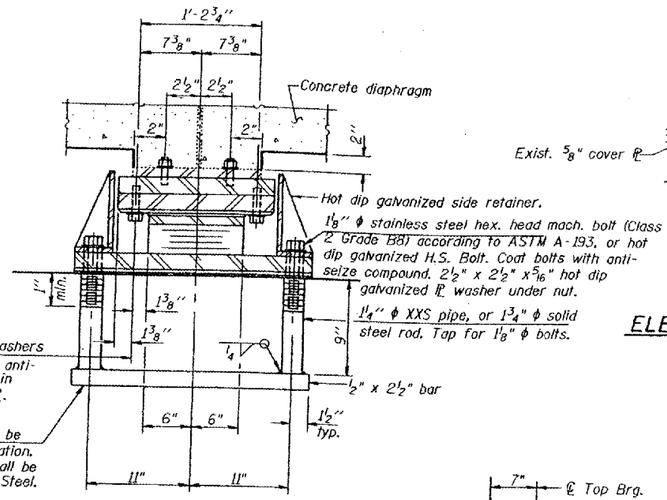
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION			
F.A.S. 932	INB-D	POPE	51	43
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

21 SHEET

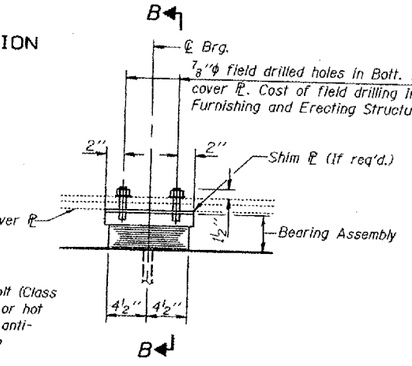


ELEVATION AT EAST ABUT.

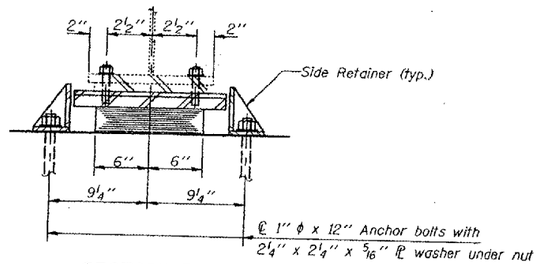


SECTION A-A

Note: Galvanizing shall be per AASHTO M 111 or M 232 (as applicable) and per ASTM A 385.



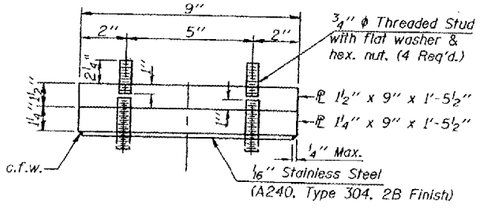
ELEVATION AT PIER 2



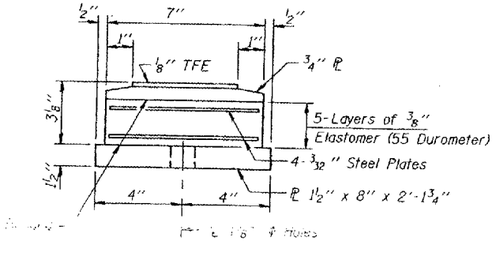
SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.

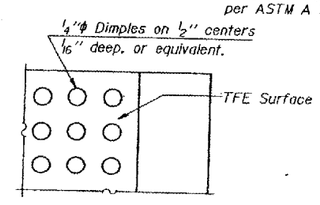
TYPE II ELASTOMERIC EXP. BRG.



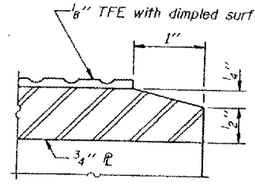
TOP BEARING ASSEMBLY



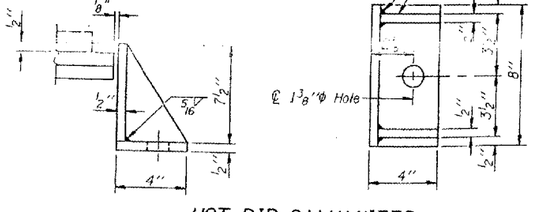
BOTTOM BEARING ASSEMBLY



PLAN-TFE SURFACE

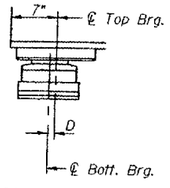


SECTION THRU TFE

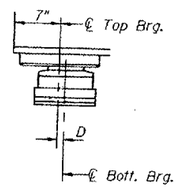


HOT DIP GALVANIZED
SIDE RETAINER FOR EAST ABUTMENT

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



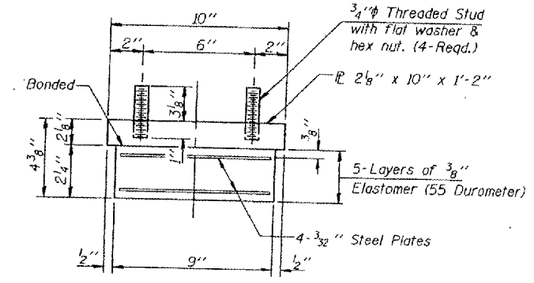
BELOW 50° F.
(Move bott. brg. away from fixed brg.)



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

SETTING ANCHOR BOLTS AT EXP. BRG.

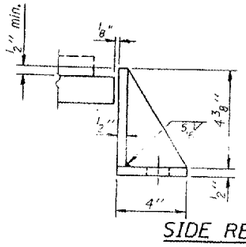
D=⅛" per each 100° of expansion for every 15° temp. change from the normal temp. of 50° F.



BEARING ASSEMBLY AT PIER 2

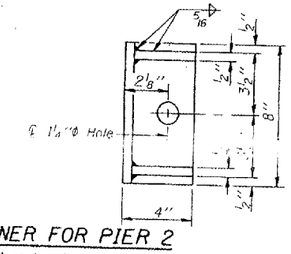
Note: Shim plates shall not be placed under elastomer.

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 FOR PIER 2

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



Notes: Anchor bolts at fixed bearings may be built into the masonry. See sheet 14 of 21 for anchor bolt installation details.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Elastomeric Bearing Assembly Type II	Each	6

DESIGNED	Chi-Cheung Chau
CHECKED	Dhruv P. Narielwala
DRAWN	R. Sommer
CHECKED	CCC/DPN

June 26, 2003
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

FOR INFORMATION ONLY:

BRIDGE NO. 2 STRUCTURE 076-0021