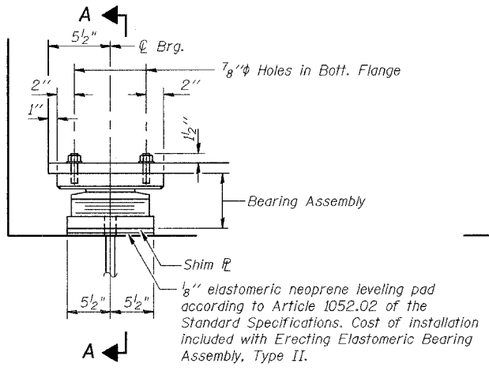
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

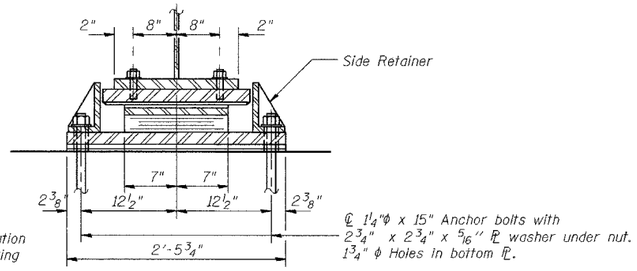
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 305	*	Cook	193	149

SHEET NO. 20
37 SHEETS

Contract No. 62878 *1313.1 B

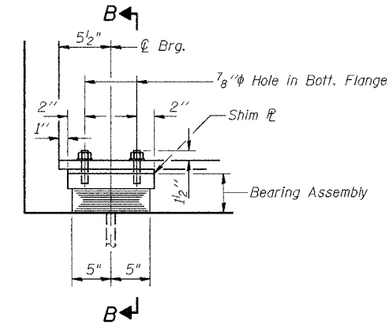


ELEVATION AT E. ABUT.

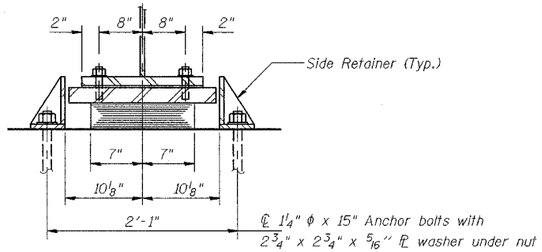


SECTION A-A

TYPE II ELASTOMERIC EXP. BRG.

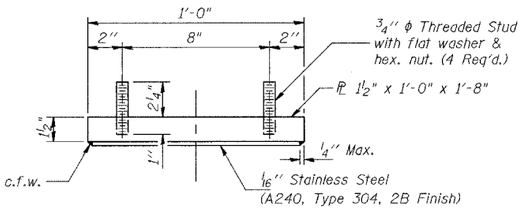


ELEVATION AT W. ABUT.

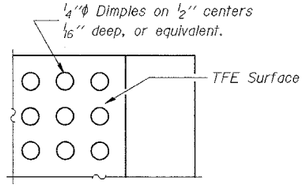


SECTION B-B

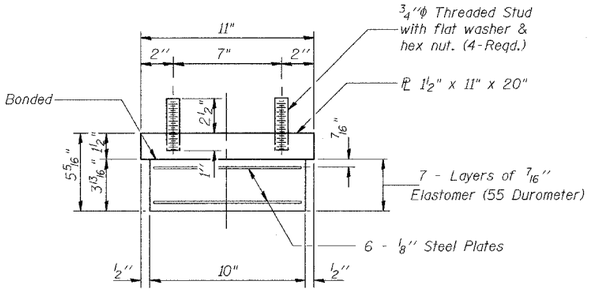
TYPE I ELASTOMERIC EXP. BRG.



TOP BEARING ASSEMBLY

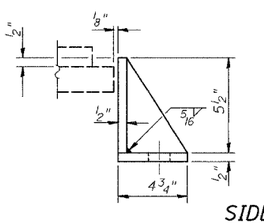


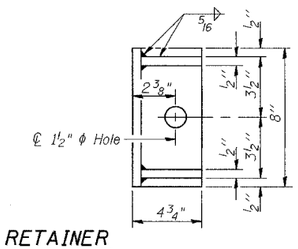
PLAN-TFE SURFACE



BEARING ASSEMBLY

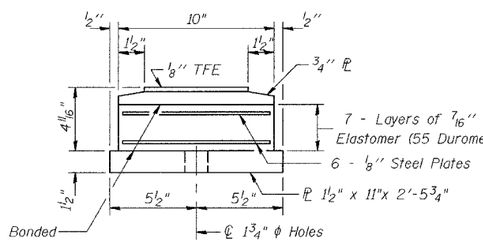
Note: Shim plates shall not be placed under Bearing Assembly.



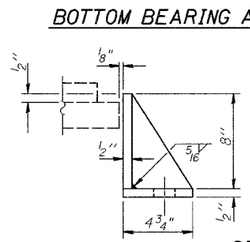


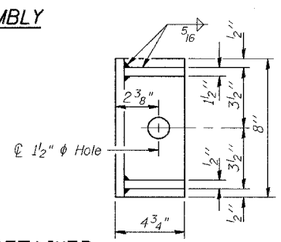
SIDE RETAINER

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



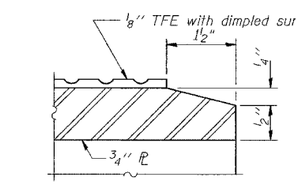
BOTTOM BEARING ASSEMBLY





SIDE RETAINER

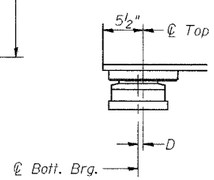
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.



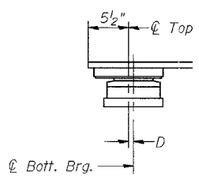
SECTION THRU TFE

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.



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.

BILL OF MATERIAL

Item	Unit	Total
Erecting Elastomeric Bearing Assembly, Type I	Each	10
Erecting Elastomeric Bearing Assembly, Type II	Each	10

Notes:

See Sheet No. 21 for Anchor Bolt installation.

Bearing Plates shall be AASHTO M270, Grade 50.

Side Retainers shall be AASHTO M270, Grade 36.

DESIGNED	MJW
CHECKED	GAT
DRAWN	MJW
CHECKED	GAT

ABUTMENT BEARING DETAILS
PALATINE ROAD OVER
IL. RT. 83 (ELMHURST ROAD)
F.A.P. RTE. 305 SECT. 1313.1 B
COOK COUNTY
STATION 363+77.17
STRUCTURE NO. 016-2812

AMERICAN CONSULTING ENGINEERS
CONSULTING ENGINEERS & PLANNERS
CHICAGO, ILLINOIS