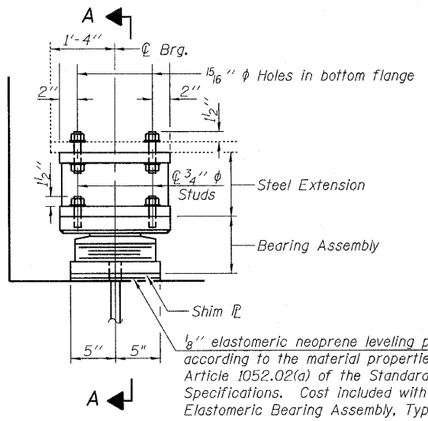
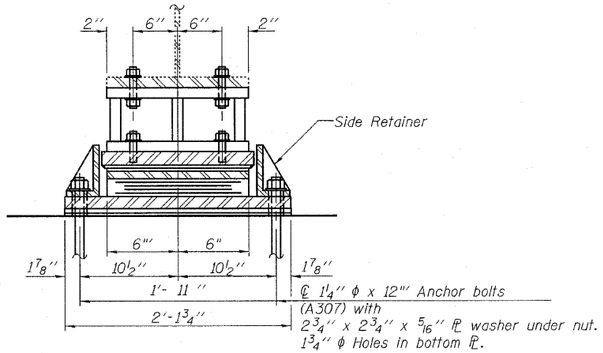
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

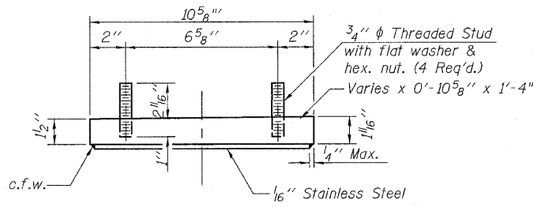


ELEVATION AT ABUT.

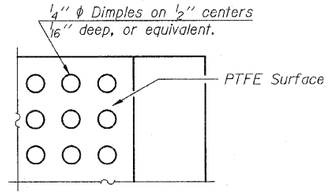


SECTION A-A

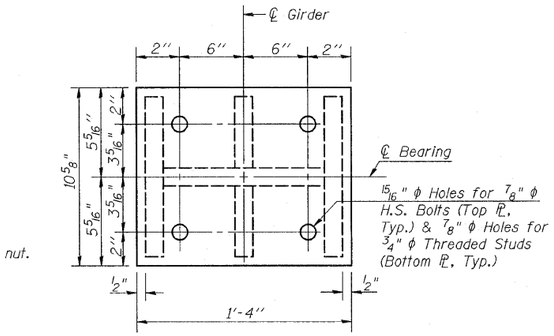
TYPE II ELASTOMERIC EXP. BRG. (N. ABUTMENT)



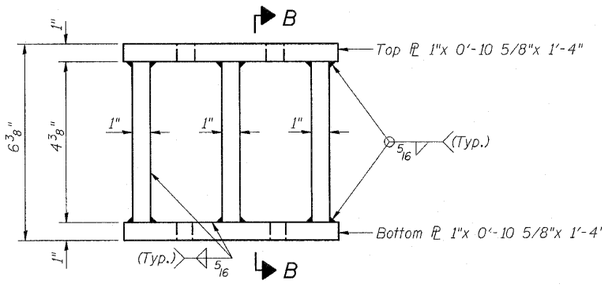
TOP BEARING ASSEMBLY



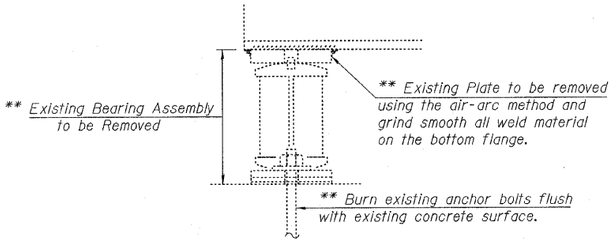
PLAN-PTFE SURFACE



STEEL EXTENSION PLAN



STEEL EXTENSION ELEVATION



**Cost is included with Jacking and Remove Existing Bearings

REMOVE EXISTING BEARINGS AT ABUTMENTS

JACKING AND REMOVING PROCEDURES

1. Prior to commencing any work at the bearings, the contractor shall submit plans for Jacking and Remove Existing Bearings for approval by the Engineer.

   In each removal stage, Jacking and Remove Existing Bearings shall be done after the existing deck is removed and before the new deck is poured.

2. Jacking shall be limited so that the maximum lift transversely between adjacent beams is 1/8". See Special Provision for Jacking and Remove Existing Bearings.

3. Minimum Jack capacity is 30 Tons per bearing.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	4
Anchor Bolts, 1 1/4"	Each	8

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts for Type II bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

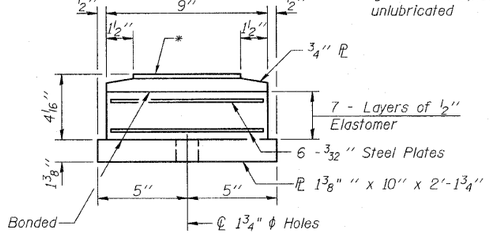
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

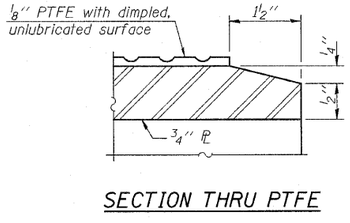
The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

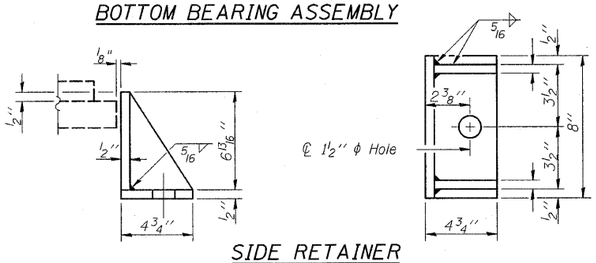
*1/8" PTFE dimpled, unlubricated



BOTTOM BEARING ASSEMBLY

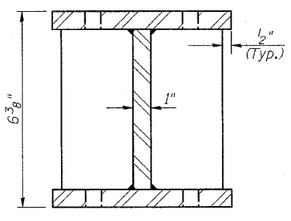


SECTION THRU PTFE

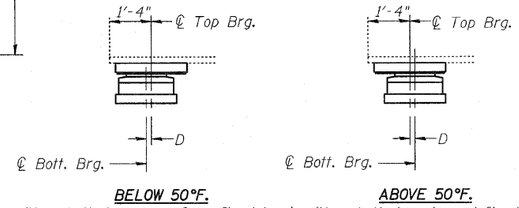


SIDE RETAINER

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



SECTION B-B



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=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

DESIGNED	PRD
CHECKED	KPS
DRAWN	PRD
CHECKED	KPS

N. ABUTMENT
ELASTOMERIC BEARINGS - TYPE II
STRUCTURE NO. 101-0123

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, IL 60187
PH. 630.682.4700

SHEET NO. 23 OF 33 SHEETS

F.A.P. RTE.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	5146	1-HBR & 1-2HB-D	WINNEBAGO	216	139
			CONTRACT NO. 64B79		
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT		