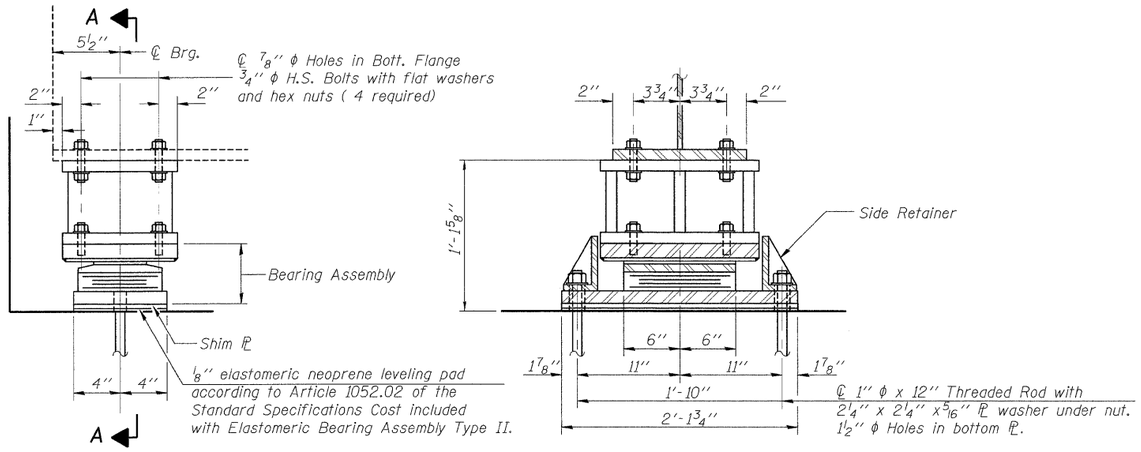
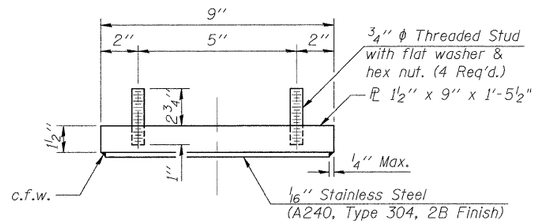


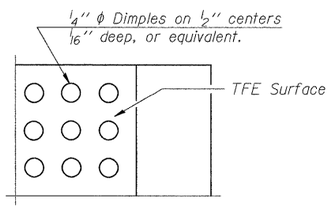
ELEVATION AT ABUT.

SECTION A-A

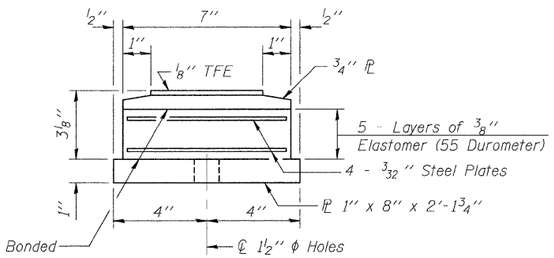
TYPE II ELASTOMERIC EXP. BRG.



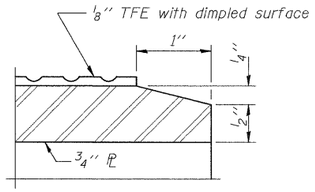
TOP BEARING ASSEMBLY



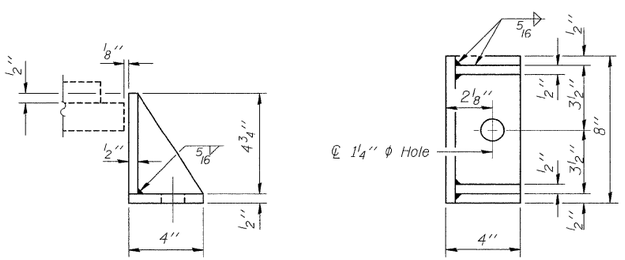
PLAN-TFE SURFACE



BOTTOM BEARING ASSEMBLY



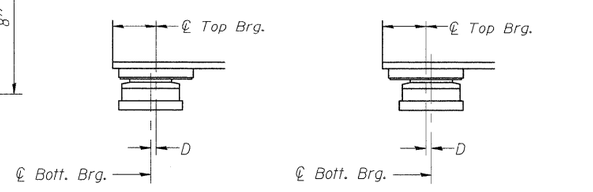
SECTION THRU TFE



SIDE RETAINER

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

Notes:
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.

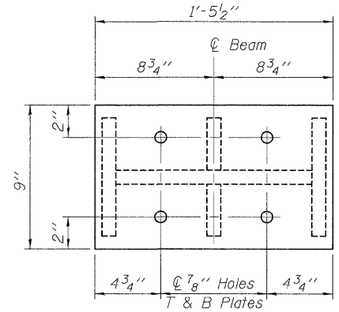


BELOW 50°F. (Move bott. brg. away from fixed brg.)

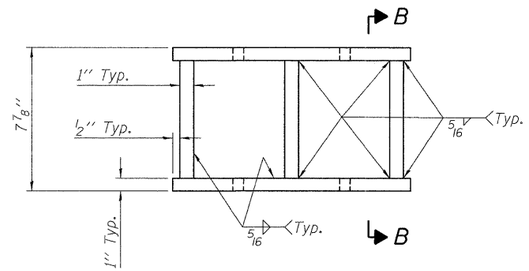
ABOVE 50°F. (Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

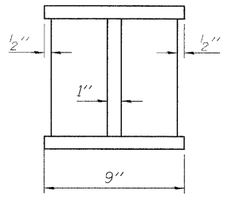
D=⅛" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.



PLAN STEEL EXTENSION

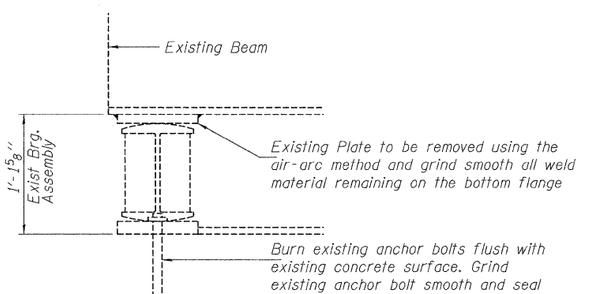


ELEVATION STEEL EXTENSION



SECTION B-B

Notes:
1. The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
2. Two ⅛ inch adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
3. All embedded and separate bearing plates, side retainers, steel extensions, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 (as applicable).
4. H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50.



EXISTING ABUTMENT BEARING

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	5

NORTH ABUTMENT BEARING ASSEMBLY

PERRYVILLE ROAD BRIDGE
OVER SOUTH BRANCH KISHWAUKEE RIVER
F.A.U. ROUTE 5148
SECTION 08-00448-00-BR
WINNEBAGO COUNTY
STRUCTURE NUMBER 101-3064
STATION 36+58.20

LAYOUT	SMR	01/28/10
DRAWN	JDM	01/28/10
REVIEWED	SMR	01/28/10

01/27/2010
I:\09Jobs\09L0003\Data\Struct\Steel\S-012-Bearing Typ2.dgn

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HANSON

JOB NO.	SHEET NO. 9
09L0003	
DATE	11 SHEETS
01/28/10	

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5148	08-00448-00-BR	Winnebago	14	12
		CONTRACT NO. 85509		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		