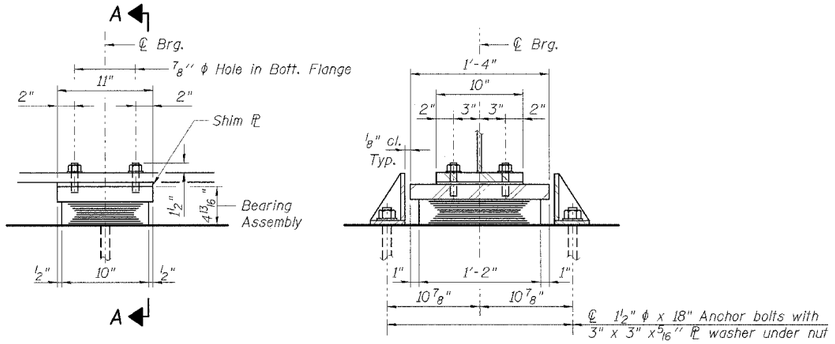
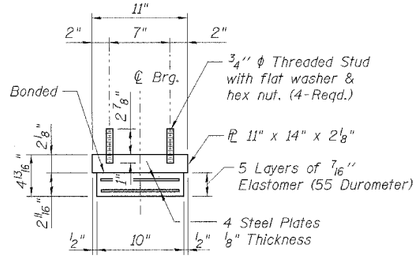
CONTRACT NO. 60A67

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2005-063 I	WILL	50	21
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ELEVATION **SECTION A-A**

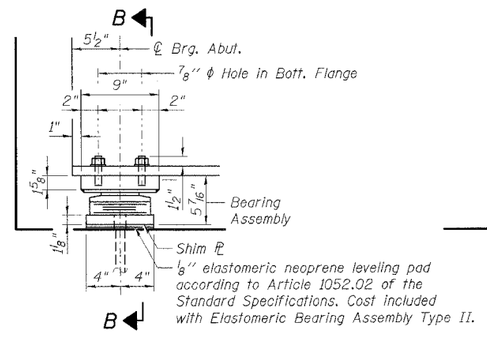


BEARING ASSEMBLY

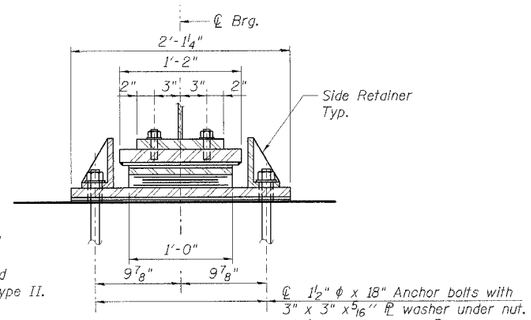
Note: Shim plates shall not be placed under Bearing Assembly.

TYPE I ELASTOMERIC EXP. BRG. AT PIERS 1 & 3

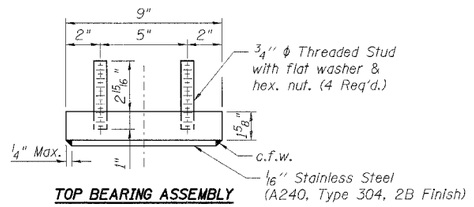
(8 Thus)



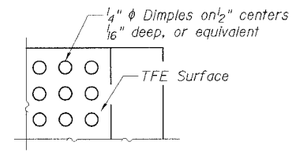
ELEVATION



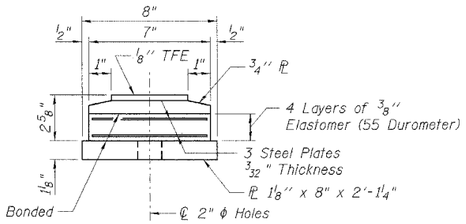
SECTION B-B



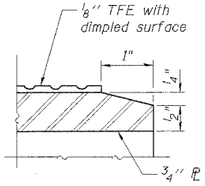
TOP BEARING ASSEMBLY



PLAN-TFE SURFACE



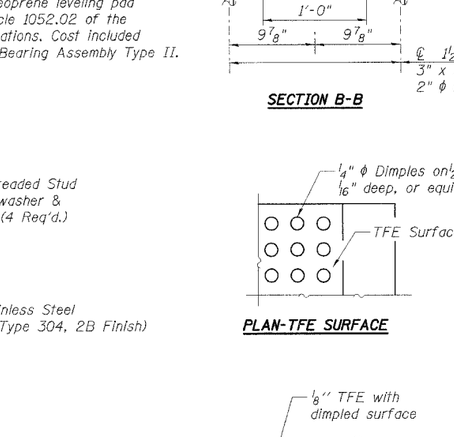
BOTTOM BEARING ASSEMBLY



SECTION THRU TFE

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

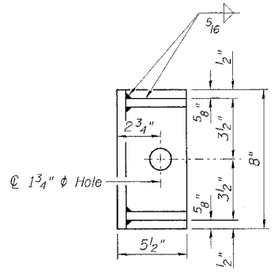


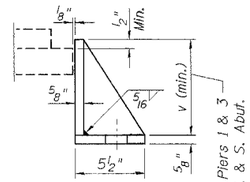
SETTING ANCHOR BOLTS AT EXP. BRG.

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

TYPE II ELASTOMERIC EXP. BRG. AT S. & N. ABUT.

(8 Thus)





SIDE RETAINER

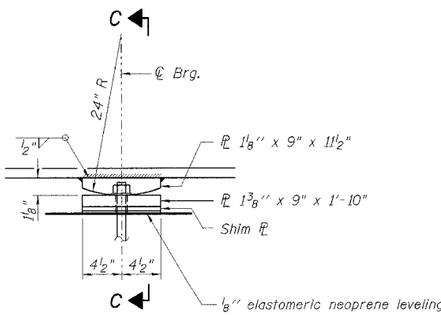
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

BILL OF MATERIAL

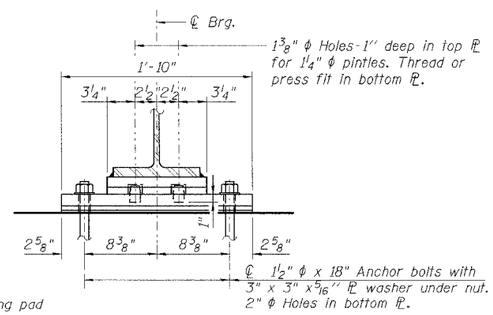
Item	Unit	Total
Furnishing Elastomeric Bearing Assembly, Type I	Each	8
Furnishing Elastomeric Bearing Assembly, Type II	Each	8

Notes:

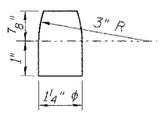
1. Anchor bolts shall be furnished and installed by others in a Future Contract.
2. All steel bearing plates shall conform to the requirements of AASHTO M270 Grade 50, unless otherwise noted.
3. Fixed bearing assemblies including pintles, shim plates, adjusting shims, and elastomeric neoprene leveling pads shall be furnished by the Fabrication Contractor.
4. Anchor bolts at fixed bearings may be built into the masonry.
5. See Sht. SC-20 for Bearing Seat elevations.
6. See Sht. SC-23 for Anchor Bolt installation.



ELEVATION



SECTION C-C



PINTLE

FIXED BEARING AT PIER 2

(4 Thus)

SHT. SC-22 OF 38

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (I-80 TO WEBER ROAD)
BEAM AND BEARING FABRICATION
SB & NB I-55 OVER US RTE. 30, S.N. 099-0016 & 099-0017
STA. 587+80.82, SECTION 2005-063 I
WILL COUNTY

BEARING DETAILS

SCALE: DRAWN BY PA
DATE 05/19/06 CHECKED BY MJK

MORCOM, N.V., INC.
CONSULTING ENGINEERS
CHICAGO, ILLINOIS

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

..\BRPW1008\DGN..\BRPW1008\DGN..\BRPW1008\DGN..\BRPW1008A002.DGN
5-17-2006, 13:07:24 ANANTHP2 S:\DOCUMENT\BC26150R\STRUCTN\DGN\BR821006A.SHT