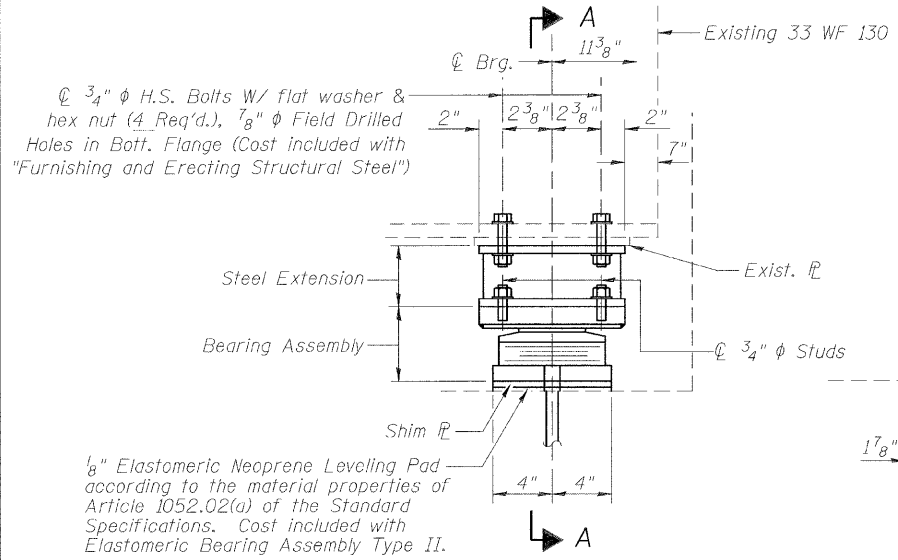
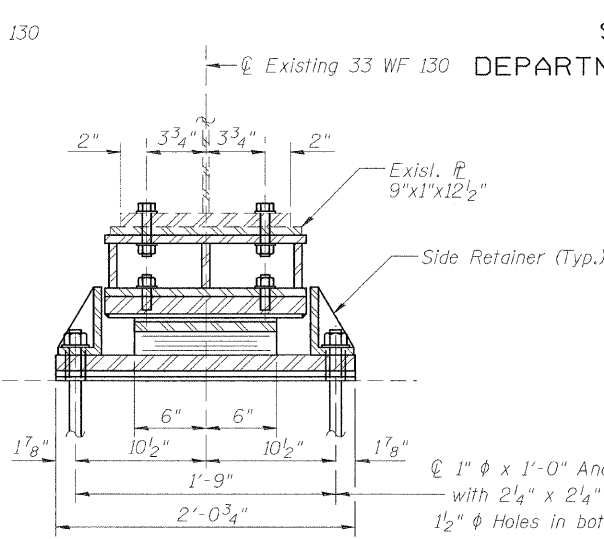


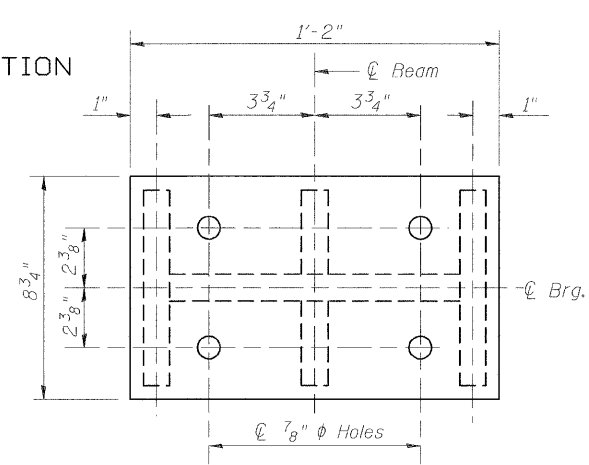
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



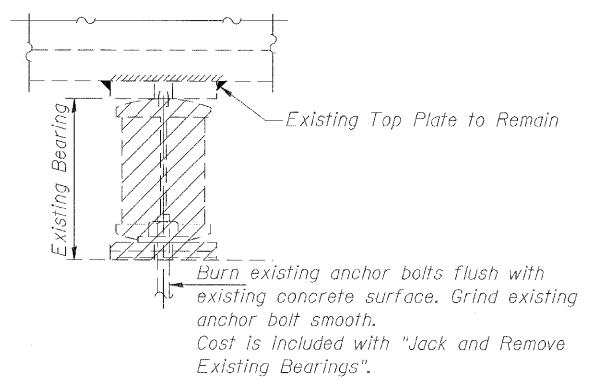
ELEVATION AT EAST ABUT.
TYPE II ELASTOMERIC EXP. BRG.



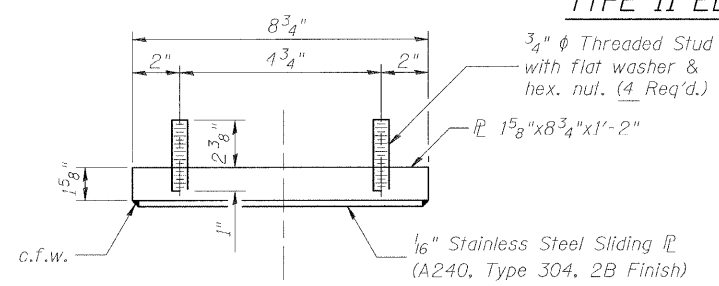
SECTION A-A



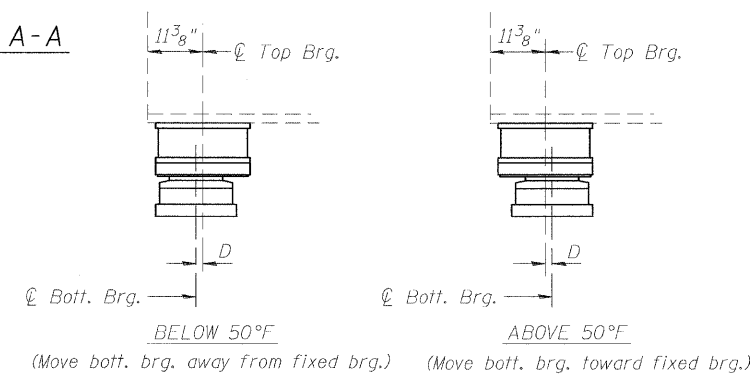
PLAN AT STEEL EXTENSION



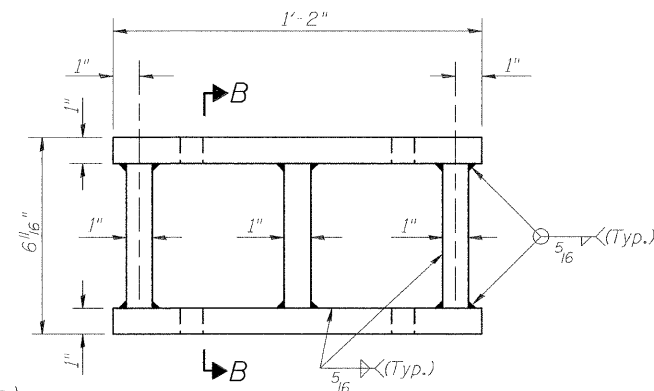
EXISTING BEARING REMOVAL DETAIL



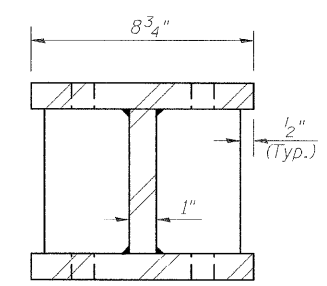
TOP BEARING ASSEMBLY



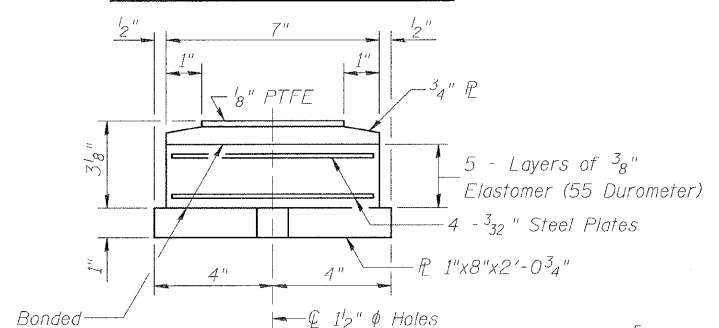
SETTING ANCHOR BOLTS AT EXP. BRG.



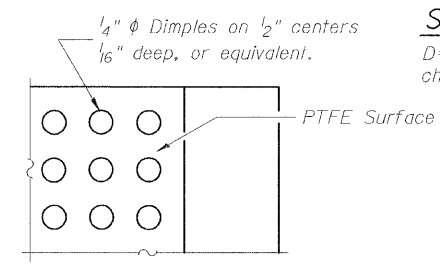
ELEVATION AT STEEL EXTENSION



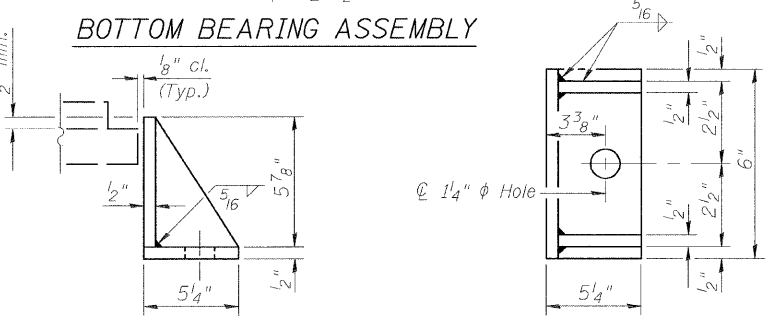
SECTION B-B



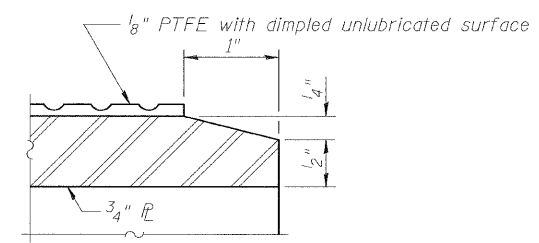
BOTTOM BEARING ASSEMBLY



PLAN-PTFE SURFACE



SIDE RETAINER



SECTION THRU PTFE

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.
After bearings have been erected, holes at expansion bearings shall be drilled and anchor bolts grouted into place.
Fabricated Steel Extension shall be paid for in accordance with Article 505 of the Standard Specifications and included in the cost for Furnishing and Erecting Structural Steel.
Prior to ordering any material, the contractor shall verify in the field all bearing height and shim thickness dimensions.

JACK AND REMOVE EXISTING BEARINGS PROCEDURE

- The Contractor shall submit, for approval by the Engineer, plans for jacking prior to commencing any work at the bearings.
- Jacking and removing existing bearings shall be done after existing deck removal is completed and before the new deck is poured.
- The maximum dead load reaction with the deck removed (per bearing) at each abutment is 2.5 kips. The minimum Jack capacity at each abutment (per bearing) shall be 5.4 kips.
- The new bearing and steel extensions shall be in place and the jacks shall be lowered before the new concrete deck is poured.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	5
Furnishing and Erecting Structural Steel	Pound	600
Jack and Remove Existing Bearings	Each	5
Anchor Bolts 1"	Each	10

BEARING DETAILS EAST ABUTMENT
FAS ROUTE 1807 SECTION (51-23HB)-6B-1
LAWRENCE COUNTY
STATION 94A+66.74
STRUCTURE NO. 051-0031

DESIGNED -	MJP
CHECKED -	KWB
DRAWN -	RF7
CHECKED -	TDN

URS
345 E. ASH AVE., SUITE B
DECATUR, IL. 62526
TEL. 217-875-4800

SHEET NO. 16	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
24 SHEETS	1807	(51-23HB)-6B-1	LAWRENCE	60	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 74115					