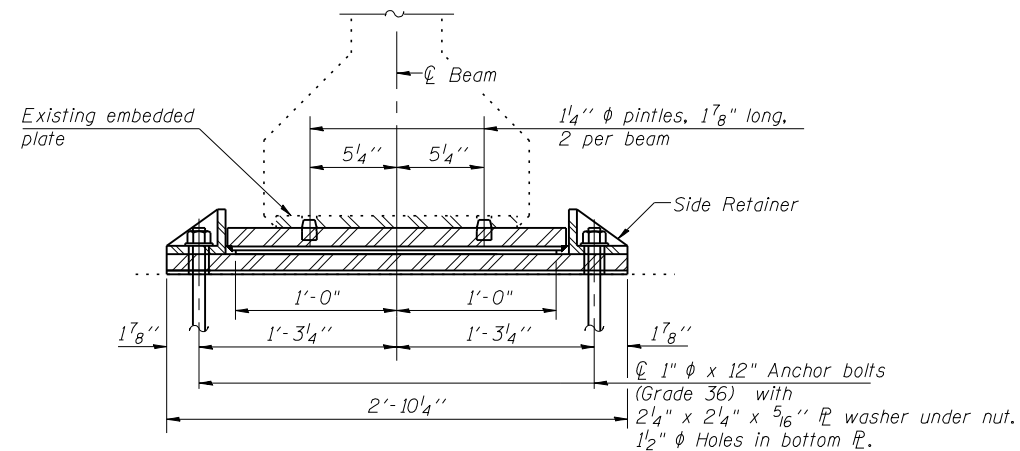


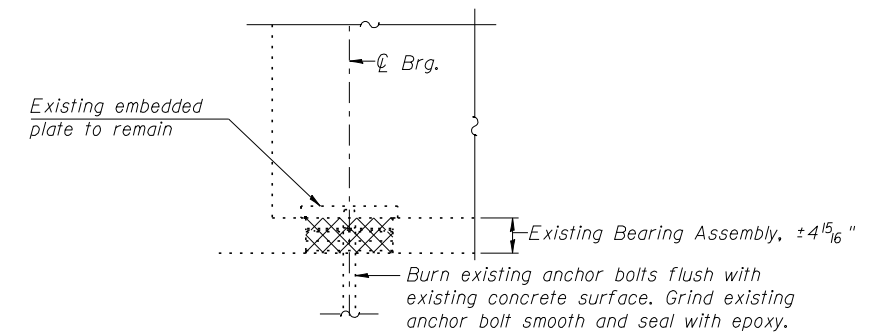
**SECTION AT PIER**

(Anchor bolt not shown)

**TYPE II ELASTOMERIC EXP. BRG. UNDER 42" PPC I-BEAMS AT PIERS 1 & 3**



**SECTION A-A**



**EXISTING BEARING REMOVAL DETAIL**

Cost included with Jack and Remove Existing Bearings.

Notes:  
Cross-Hatched area indicates Bearing removal. See Special Provision for Jack and Remove Existing Bearings. Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

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 in the concrete drilled 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.

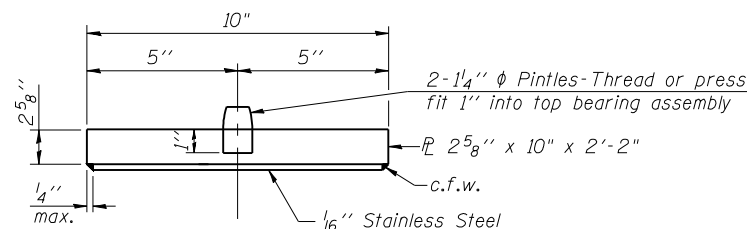
Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II (Special).

The 1/8 inch 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.

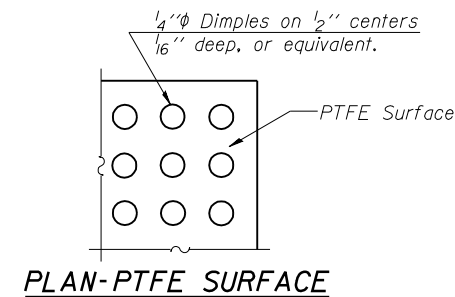
All bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

**INTERIOR BEAM REACTION TABLE**

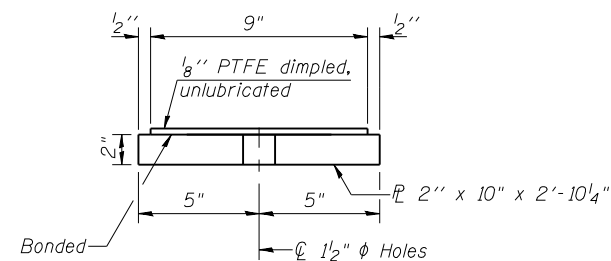
Pier 1 North/Pier 3 South	
R <sub>2</sub>	(k) 41
R <sub>4</sub>	(k) 59
R <sub>1</sub>	(k) 17.7
R <sub>Total</sub>	(k) 117.7
Minimum Jack Capacity (Tons)	60



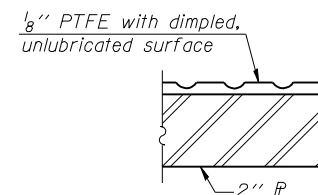
**TOP BEARING ASSEMBLY**



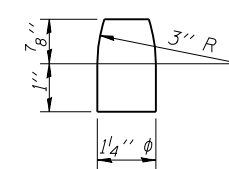
**PLAN-PTFE SURFACE**



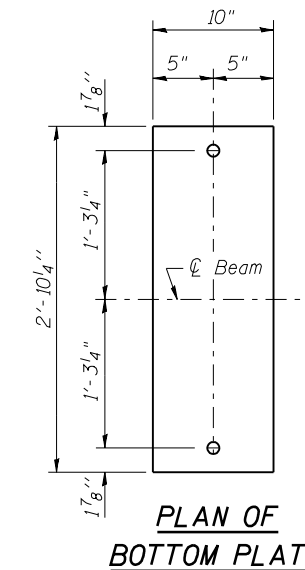
**BOTTOM BEARING ASSEMBLY**



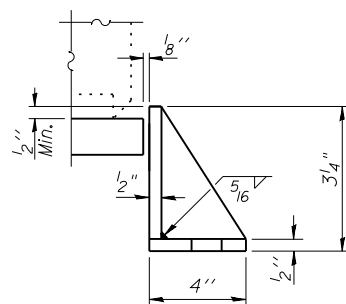
**SECTION THRU PTFE**



**PINTLE**

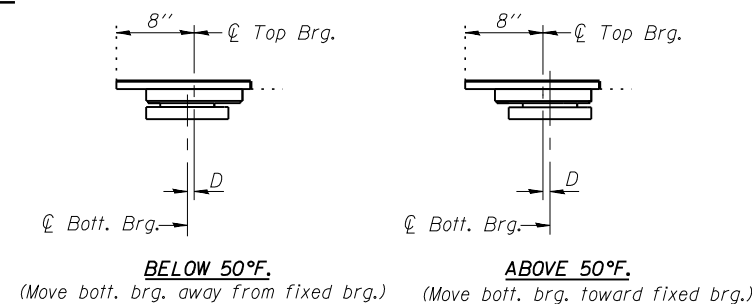
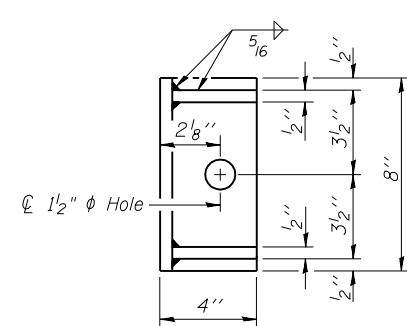


**PLAN OF BOTTOM PLATE**



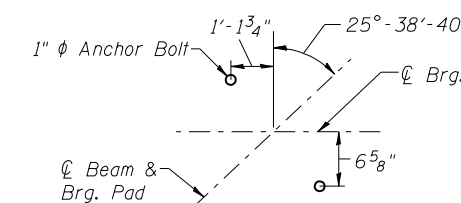
**SIDE RETAINER**

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



**SETTING ANCHOR BOLTS AT EXP. BRG.**

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



**ANCHOR BOLT LOCATION**

**BILL OF MATERIAL**

Item	Unit	Total
Elastomeric Bearing Assembly, Type II (Special)	Each	24
Anchor Bolts, 1"	Each	48
Jack and Remove Existing Bearings	Each	24

(Sheet 2 of 2)