

" PTFE with dimpled.

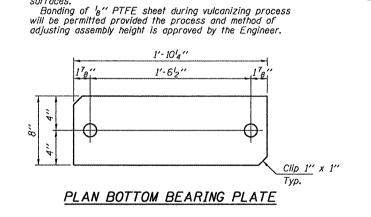
___ 3_{4" P}

SECTION THRU PTFE

SIDE RETAINER

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

unlubricated surface



BEAM REACTIONS

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel. Prior to ordering any material, the Contractor shall verify

in the field all bearing height and shim thickness dimensions.

Min. jack capacity = 35 Tons.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s)

Anchor bolts at fixed bearings may be either cast in

place or installed in holes drilled after the supported

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

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

to Article 521.06 of the Standard Specifications

Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.

The 'g'' PTFE sheet shall be bonded directly to the

Drilled and set anchor bolts shall be installed according

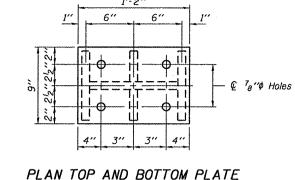
and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used

Erecting Structural Steel.

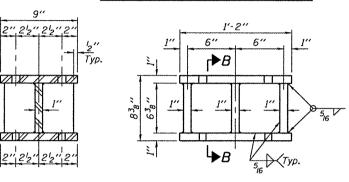
in lieu of ASTM F1554.

member is in place.

59.9

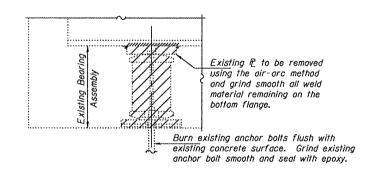


PLAN TOP AND BOTTOM PLATE



SECTION B-B

STEEL EXTENSION DETAIL



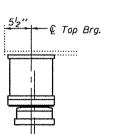
EXISTING BEARING REMOVAL DETAIL

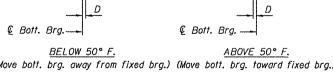
Cost included with Jack and Remove Existing Bearings.

© Bott. Brg.

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

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





SETTING ANCHOR BOLTS AT EXP. BRG.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	1620
Anchor Bolts 1"\$	Each	24

DESIGNED [JL EXAMINED DATE - JANUARY 28, 2011 CHECKED ATH DRAWN baliva PASSED CHECKED IJL ATH

* 18" PTFE dimpled, unlubricated

" Steel Plates

3 Layers of $\frac{3}{8}$ " Elastomer (55 Durometer)

TOP BEARING ASSEMBLY

BOTTOM BEARING ASSEMBLY

-- € 1'2"\$ Holes

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

€ 14"\$ Hole

Clip 1" x 1"

Тур.

COUNTY TOTAL SHEETS NO.

JEFFERSON 24 12 **BEARING REPLACEMENT DETAILS** SECTION **ABUTMENTS** 2869 D9 CM BRIDGE REPAIR 2011-2 SN 041-0032 CONTRACT NO. 78233 SHEET NO. 1 OF 3 SHEETS

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Bonded