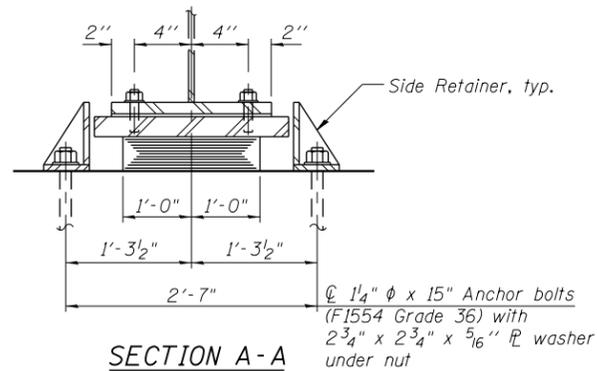
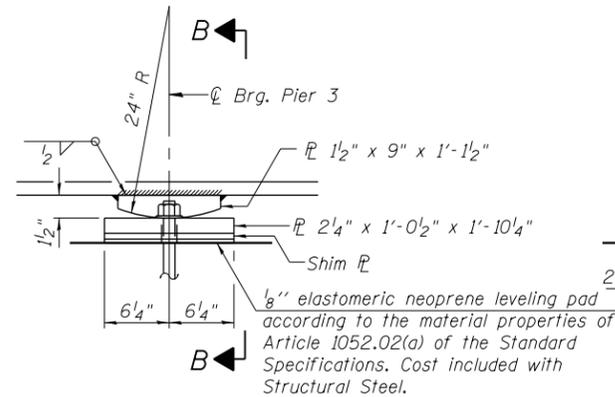


**ELEVATION AT PIER**  
(Looking West)



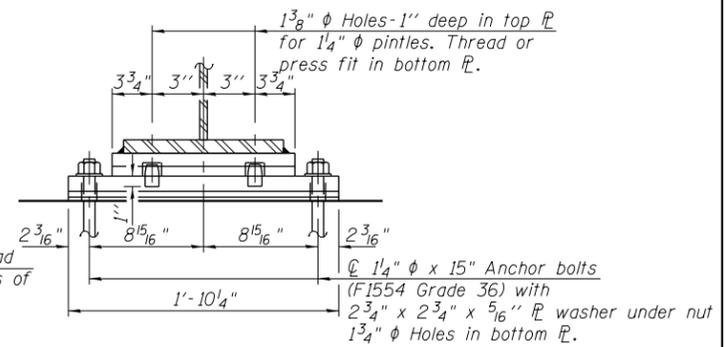
**SECTION A-A**  
Anchor bolts (F1554 Grade 36) with 2 3/4" x 2 3/4" x 5/16" R washer under nut

**TYPE I ELASTOMERIC EXP. BRG.**  
(At Pier 1)

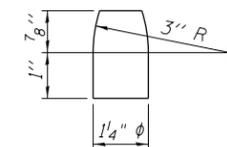


**ELEVATION AT PIER**

**FIXED BEARING**  
(At Pier 3)



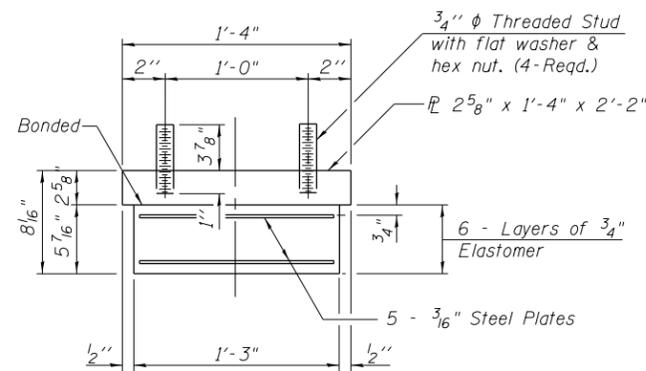
**SECTION B-B**



**PINTLE**

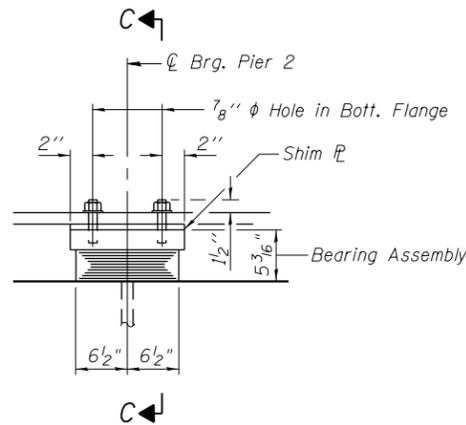
**SHIM PLATE THICKNESS TABLE**

Location	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15
Pier 1	-	-	-	1/2"	-	1/2"	-	1/2"	-	1/2"	-	1/2"	-	-	-



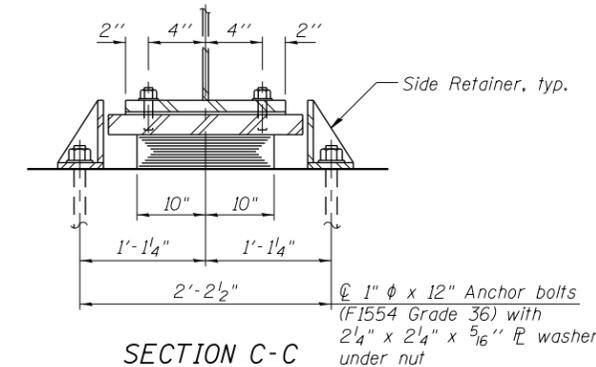
**BEARING ASSEMBLY**  
(At Pier 1)

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



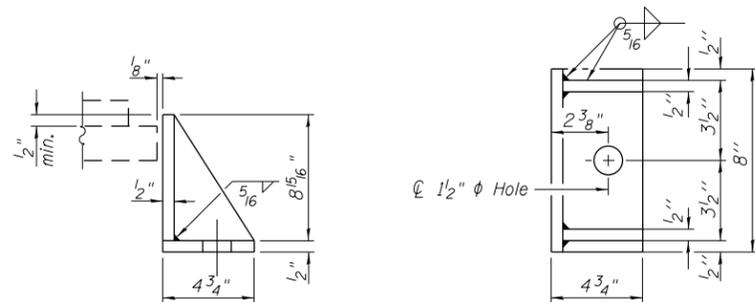
**ELEVATION AT PIER**  
(Looking West)

**TYPE I ELASTOMERIC EXP. BRG.**  
(At Pier 2)



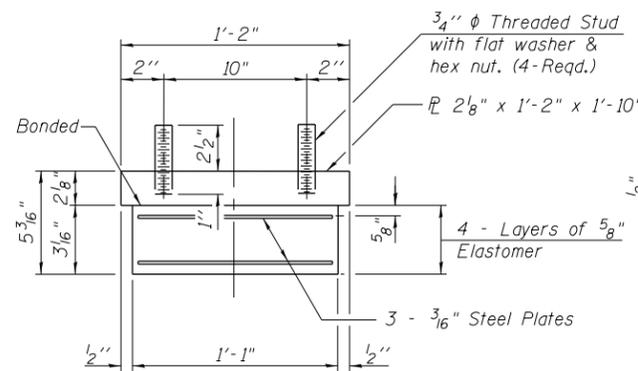
**SECTION C-C**

Anchor bolts (F1554 Grade 36) with 2 1/4" x 2 1/4" x 5/16" R washer under nut



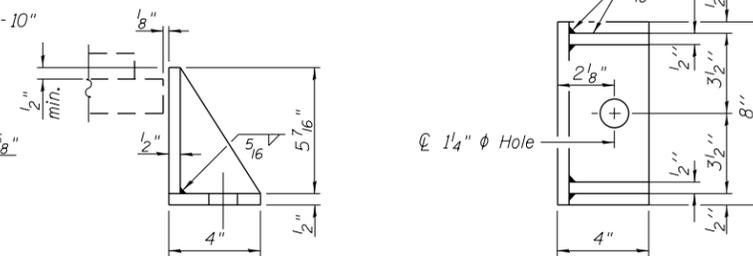
**SIDE RETAINER**

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



**BEARING ASSEMBLY**  
(At Pier 2)

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



**SIDE RETAINER**

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

Notes:  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.  
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.  
Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.  
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 elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.  
Two 8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.  
All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to ASTM M111 or M232 as applicable.

**BILL OF MATERIAL**

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	30
Anchor Bolts, 1"	Each	30
Anchor Bolts, 1 1/4"	Each	60

4:33:25 PM 0161716-60W26-S050-Bearing\_Details.dgn



USER NAME = rlschultz	DESIGNED - JRM	REVISED
PLOT SCALE = 0:1.0000 ' = 1/8" / in.	CHECKED - MDS	REVISED
PLOT DATE = 9/15/2013	DRAWN - MTS	REVISED
	CHECKED - MDS	REVISED

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PIER BEARING DETAILS 1**  
**STRUCTURE NO. 016-1716**

SHEET NO. S2-50 OF S2-81 SHEETS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2013-008R	COOK	559	410
CONTRACT NO.			60W26	
ILLINOIS FED. AID PROJECT				