

USER NAME = dheberling File NAME = 0430002&3-64C94.dgn PLOT DATE = 12/6/2011	DESIGNED - CHECKED - DRAWN -	RJN/BRD SBC DLH	REVISED - REVISED - REVISED -		7018 KINGSMILL CT., SPRINGFIELD, IL (217) 483-9457	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEARING DETAIL Structure No. 043-0002 8
PLOT TIME = 10:03:05 AM	CHECKED -	SBC	REVISED -	ENGINEERING [[]	DESIGN FIRM #184001036		SHEET NO. 20 OF 28 SHE

JACK AND REMOVE EXISTING BEARINGS PROCEDURE

1. The Contractor shall submit for approval by the Engineer plans for jacking and removal prior to commencing any work at the bearings.

2. Jacking and removing existing bearings shall be done after existing deck removal is completed and prior to pouring of new deck.

3. The Maximum Dead Load Reaction with deck removed (per bearing) at each abutment is 2 kips. Minimum jack capacity is 3 kips.

4. The new bearings shall be in place and the jacks shall be lowered prior to forming and pouring the new deck.

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 for side retainers shall be 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.

Two $l_8^{"}$ adjusting shims shall be provided for each bearing in addition to all other plates and shims and placed as shown on Bearing Details. Side retainers and other steel members required for the elastomeric bearing assembly, except Steel Bearing Extension and Fill Plates, shall be included in the cost of Elastomeric Bearing Assembly, Type I. Steel Bearing Extensions and Fill Plates are included in the quantity for Furnishing and Erecting Structural Steel.

n	043-00	02 (EB)	043-0003 (WB)				
er	West Abutment	East Abutment	West Abutment	East Abutment			
	5 ₈ "	1/16 "	12"	¹⁵ 16 "			
	⁵ /6 "	1'8"	¹³ 16 "	9 ₁₆ "			
	3 ₁₆ "	1"	7 ₈ "	1/2 "			
	³ /6 "	9 ₁₆ "	3 ₄ "	"I6 "			
	[/] 2 "	3 ₄ "	⁷ 8"	1/16 "			
	¹³ /6 "	1'16"	1"	⁷ 8"			

* TABLE OF "t" DIMENSIONS

* The fill plate thicknesses shown are based on field survey data. Prior to ordering any material the Contractor shall verify in the field all bearing height and fill thickness dimensions.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts 1"	Each	48
Jack and Remove Existing Bearings	Each	24
Furnishing and Erecting Structural Steel	Pound	4,940

LS	F.A.P. SECTION				COUNTY TOTAL SHEETS		SHEET NO.		
& 043-0003	301	(43B,	44B,	44HB,	45B)D	JO	DAVIESS	309	105
						CC	NTRACT	NO.	54C94
EETS		ILLINOIS FED. AID PROJECT							