## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



## TYPE I ELASTOMERIC EXP. BRG.



DINDEN	11	ACT 10113
R₽	(K)	14.6
R4	(K)	30.7
Imp.	(K)	9.1
R (Total)	(K)	54.4
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GIRDER REACTIONS

## 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.

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 I.

The minimum jack capacity required is 35 Tons. Existing diaphragm removal and reinstallation

may be required to facilitate drilling holes, cost to be included with "Jack and Remove Existing Bearings". Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

Two  $l_{\mathcal{B}}$  in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

New steel extensions, connection bolts, Fill P's and Shim P's are included in "Furnishing and Erecting Structural Steel".

_	10110110	 *
)	14.6	
)	30.7	Bean
)	9.1	Bean
()	54.4	Bean

P	<u>-ILL P2 "†" DI</u>	<u>MENSIONS</u>
	LOCATION	"† "
	Beam 1, 3, 4, & 6	1'4''
	Beam 2 & 5	1'2''
	Beam 1A & 6A	NA



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

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will be allowed in lieu of welded plates.

Existing Plate to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange. Burn the existing anchor bolts flush with existing concrete surface. Grind existing anchor bolts smooth and seal with epoxy. ABUTS

## EXISTING BEARING REMOVAL DETAIL

Cost is included with Jack and Remove Existing Bearings

						*D9 CM E	<i>3RIDGE REPAIR 20</i>	)15-2
FILE NAME =	USER NAME =	DESIGNED - TWH	REVISED -		FAST ARIITMENT	F.A.P.	SECTION COUNT	TOTAL SHEF
		CHECKED - MAS	REVISED -	STATE OF ILLINOIS		821	• JEFFER'	SON 12 9
	PLOT SCALE =	DRAWN - TWH	REVISED -	DEPARTMENT OF TRANSPORTATION	BEAKING DETAILS		CONT	RACT NO. 7843
	PLOT DATE =	CHECKED - MAS	REVISED -		SHEET NO. 5 OF 8 SHEETS		ILLINOIS FED. AID PROJECT	









SECTION B-B

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8
Anchor Bolts, 1"	Each	16
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	1210

EAST ABUTMENT BEARING DETAILS STRUCTURE NO. 041-0026

* D9 UN BRIDGE REFAIR ZUID-Z	*D9	СМ	BRIDGE	REPAIR	2015-2
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