

# —Ç Beam 2'2'' 2'2" 2'2' Notes: <sup>3</sup>₄" x 7" x 12" Shim ℝ Side Retainer (Typ.) 5′′ 5′′ 934" 9<sup>3</sup>4 1'-7'2"

 $\underline{\pounds}$  1'' $\phi$  x 12'' Anchor Bolts (Gr. 36) with  $2^{l_4}$ '' x  $2^{l_4}$ '' x  $5_{16}$ ''  $\pounds$  washer under nut.

## SECTION A-A

#### TYPE I ELASTOMERIC EXP. BRG.



#### BEARING ASSEMBLY

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



#### EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



A				
ELEVATION	AT	ABUTMENT		

A◀₁

12 12

AL

3″ 3''

-€ Brg.

€ 34'\$ Botts, 78'\$

holes in Beam Flange

Bms. 2, 4 & 6 only

Bearina

Assembly

€ <sup>3</sup><sub>4</sub>"¢ Studs

5'2''

12"

2″

Se

Steel

### BEAM REACTIONS

R₽	(K)	14.7
R4	(K)	30.7
Imp.	(K)	9.2
R (Total)	(K)	54.6

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

New steel extensions, shim plates and connection bolts

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 = 30 Tons. 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 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 shall be included in the cost of

Elastomeric Bearing Assembly, Type I. Two %' adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.













### BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	7
Jack and Remove Existing Bearings	Each	7
Furnishing and Erecting Structural Steel	Pound	780
Anchor Bolts 1''¢	Each	14

