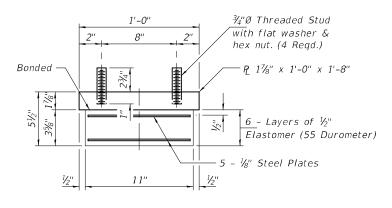


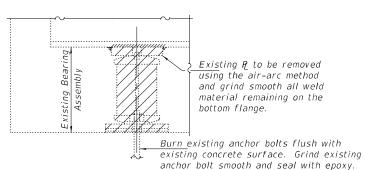
TYPE I ELASTOMERIC EXP. BRG.



BEARING ASSEMBLY

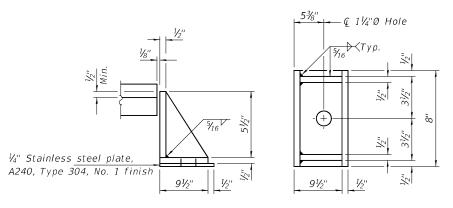
Note:

Shim plates shall not be placed under Bearing Assembly.



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.



SIDE RETAINER

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

BEAM REACTIONS

R₽	(K)	77.0
R Ł	(K)	44.8
Imp.	(K)	8.1
R (Total)	(K)	129.9

Notes:

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 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. Adjustment must account for deck heave due to pack rust (if present).

Min. jack capacity = 78 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.

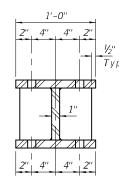
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

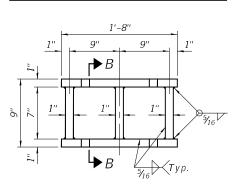
Cost of Side retainers and Stainless Steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I. New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts and washers shall be hot dip galvanized according to Special Provision "Hot Dip Galvanizing for Structural Steel".

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

1" 9" 9" 1" 1" Q" 9" 1" 2" 8" 8" 2" Q 7/8"0 Holes

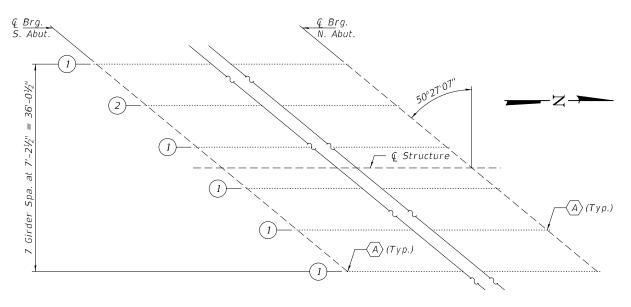
PLAN TOP AND BOTTOM PLATE





SECETION B-B

STEEL EXTENSION DETAIL



PARTIAL FRAMING PLAN

 $\langle A \rangle$ – Bearing Replacement

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Jack and Remove Existing Bearings	Each	12
Furnishing and Erecting Structural Steel	Pound	2880
Anchor Bolts, 1"Ø	Each	24

NER of the stiffeners \wedge REVISED SHEET 10-12-2021

TYI/REPS 5-17-2018

DESIGNED -	Victor H. Veliz	EXAMINED	Timoti A A I A	DATE -	SEPTEMBER 27, 2021
CHECKED -	Chi-Cheung Chau		ENGINEER OF STRUCTURAL SERVICES		<u></u>
DRAWN -	daburdell	PASSED	d. Carl Proper	REVISED	-
CHECKED -	VHV CCC		ENGINEER OF BRIDGES AND STRUCTURES	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS SN 058-0072	•
SHEET NO. 10 OF 12 SHEETS	

LI.	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
2	D7 BRIDGE REPAIRS 2022-2		MACON	15	13	
				CONTRACT	NO. 74	996
		RITINOIS	EED A	D DROJECT		