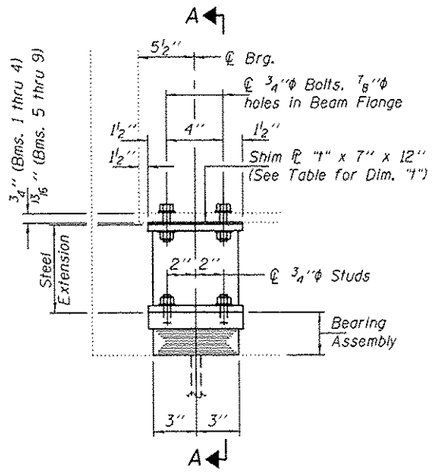
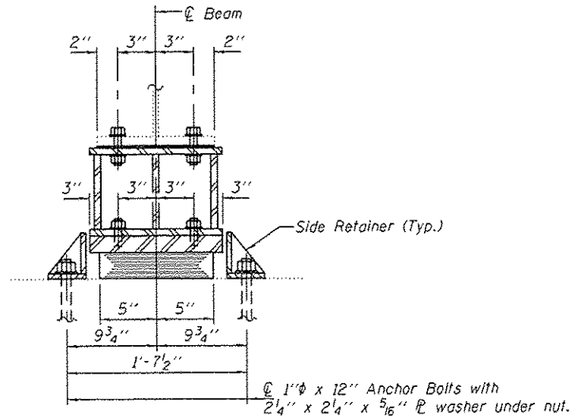


ELEVATION AT ABUTMENT



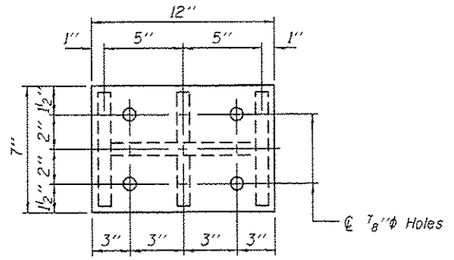
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

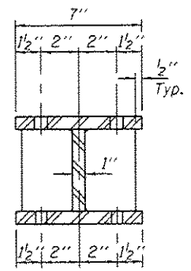
BEAM REACTIONS

RP	(K)	16.2
RL	(K)	26.3
Imp.	(K)	7.7
R (Total)	(K)	50.2

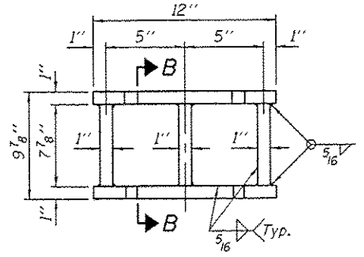
Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
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.
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.



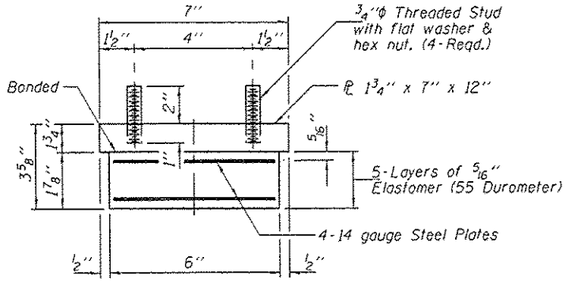
PLAN TOP AND BOTTOM PLATE



SECTION B-B



STEEL EXTENSION DETAIL

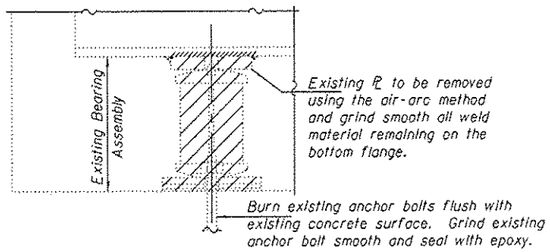


BEARING ASSEMBLY

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

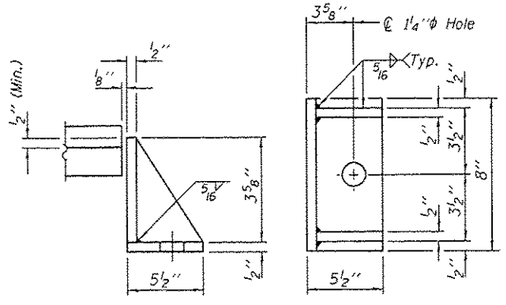
TABLE OF DIMENSION

Beam	Dim. "1"
1	0"
2	⅝"
3	0"
4	⅝"
5	½"
6	0"
7	⅝"
8	0"
9	⅝"



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.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	9
Jack and Remove Existing Bearings	Each	9
Furnishing and Erecting Structural Steel	Pound	1200
Anchor Bolts 1"ϕ	Each	18

TYI/REPS 12-03-2008

DESIGNED - SMR	EXAMINED	ACTING ENGINEER OF STRUCTURAL SERVICES	DATE - AUGUST 18, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELASTOMERIC BEARING, TYPE I DETAILS FOR EAST ABUTMENT SN 060-0031 (E.B.)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - TLC						70	60-(11,12)RS-3	MADISON	242	202
DRAWN - Kyla M. Steffan	PASSED	ACTING ENGINEER OF BRIDGES AND STRUCTURES			SHEET NO. 7 OF 8 SHEETS			CONTRACT NO. 76F13		
CHECKED - SMR TLC								ILLINOIS FED. AID PROJECT		