

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION Existing Plate to be removed using the air-arc method and grind smooth all weld material remaining on the bottom flange. Side Retainer (Each side of each bearing) Burn the existing anchor bolts flush with existing concrete surface. Grind existing anchor bolts smooth and seal with epoxy.

Existing Plate to be removed
using the air-arc method
and grind smooth all weld
material remaining on the
bottom flange.

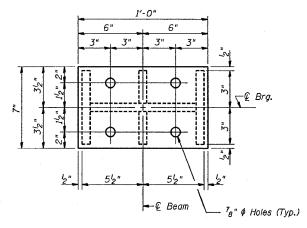
Burn the existing anchor bolts
flush with existing concrete
surface. Grind existing anchor
bolts smooth and seal with
epoxy.

EXISTING BEARING REMOVAL DETAILS

<u>ABUTS</u>

Cost is included with Jack and Remove Existing Bearings





.A.I. 24

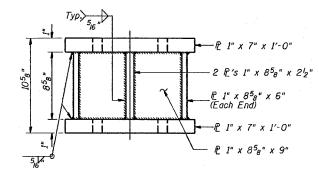
* BSMART FY Ø4-3

JOHNSON

150

127

PLAN-TOP & BOTTOM PLATE



STEEL EXTENSION AT NORTH ABUT.

TYPE I ELASTOMERIC EXP. BRG.

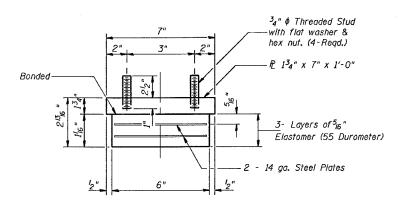
Notes: See sheet 132 for Anchor Bolt installation.

€ 1" x 12" Anchor bolts

under nut.

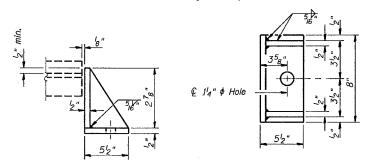
SECTION A-A

-with 2¹4" x 2¹4" x⁵16" 12 washer



BEARING ASSEMBLY

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



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Furnishing and Erecting Structural Steel.

DESIGNED:	MAS	
CHECKED:	MAS	
DRAWN:	JB	
CHECKED:	MAS	

GIRDER REACTIONS

R₽	(K)	11.8	
R4	(K)	31.0	
Imp.	(K)	9.3	
R (Total)	(K)	52.1	

Notes: Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

The minimum jack capacity required is 30 Tons.

New steel extensions, side retainers, connection bolts, anchor bolts, and shim plates are included in "Furnishing and Erecting Structural Steel".

Hatched areas indicate Jack and Remove Existing Bearings.
Existing diaphragm removal may be required to provide clearance
for the drill during drilling holes in the bottom flange for new bearing
attachment. Cost shall be included in the cost of "Furnishing and Erecting
Structural Steel".

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Jack and Remove Existing Bearings	Each	6

NORTH ABUTMENT

TYPE I ELASTOMERIC BEARING

JOHNSON COUNTY

S.N. 044-0041 (E.B.)