EXISTING BEARING REMOVAL DETAIL

(8 Required) 4 at each Abutment

PROCEDURE TO JACK AND REMOVE EXISTING BEARINGS (East & West Abutments) (Minimum Jack Capacity Required 25 tons at Abutment)

1. Jack and Remove Existing Bearings shall be conducted according

to the Bridge Special Provision "Jack and Remove Existing

seat, the rockers, top and bottom plates shall be removed.

The new elastomeric bearings shall be placed and the jacks shall be 7. The new holes for the side retainers shall be drilled at the locations

Formwork and bearing seat construction shall occur.

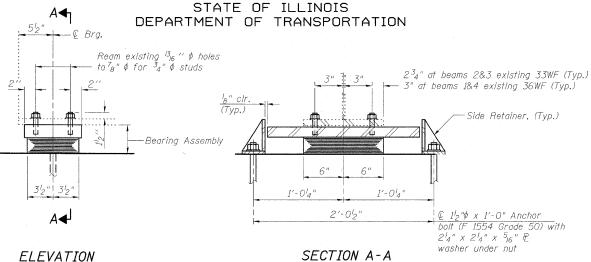
Clean and paint as specified for Structural Steel.

Bearings. See Interior Beam Reaction Table for loads. 2. Jacking and removing existing bearings shall be done after partial deck concrete removal and before new deck concrete is poured.

Four beams may be lifted simultaneously.

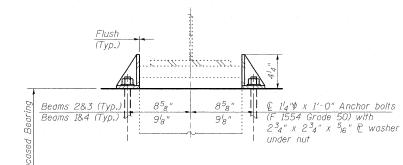
(8 Required)

W. Abut. Anchor Bolts are offset from centerline of bearing. (See Sheet 21 Of 36)

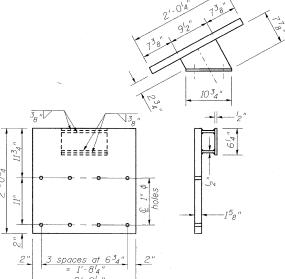


BEARING ASSEMBLY

Bonded-



SIDE RETAINERS AT **ENCASED FIXED BEARINGS** PIERS 1 & 4



BILL OF MATERIAL

INTERIOR REAM REACTION TABLE

(k)

E. Abut.

35,3

10.2 70.6 W. Abut.

34.7

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	. 8
Anchor Bolts, 14"	Each	62
Anchor Bolts, 1 ¹ 2"	Each	16
Jack & Remove Existing Bearings	Each	8

BEARING DETAILS STRUCTURE NO. 025-0018

³₄′′ ¢ Threaded Stud

P 2 " x 10" x 1'-634"

4 Layers of 38"

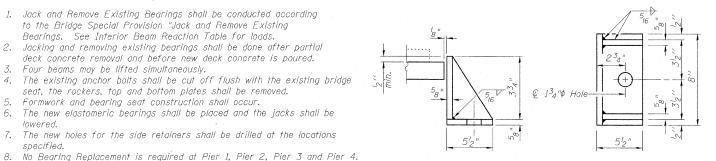
Flastomer

3 - 3₃₂ " Steel Plates

with flat washer & hex nut. (4-Regd.)

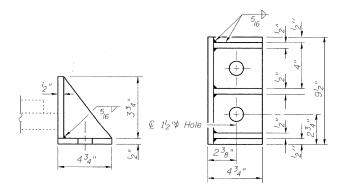
TYPE I ELASTOMERIC EXP. BRG.

4 at each Abutment



SIDE RETAINER AT **ABUTMENTS**

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



SIDE RETAINER AT **ENCASED FIXED BEARINGS**

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

DESIGNED B.B. CHECKED C.J.F. W.J.S. DRAWN CHECKED C.J.F. & B.B.

2'-04"

ALT. SIDE RETAINER AT PIER 1, SPAN 2, BEAM 4

(see sheet 14 of 36 for location) (see sheet 23 of 36 for Embedded Anchor layout)

BERNARDIN LOCHMUELLER & ASSOCIATES, INC.

SHEET NO.16	F.A.I. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
	57	(25-3HB)I-3			EFFINGHAM	1416	1397	
36 SHEETS SN 025-0018					CONTRACT NO. 74296			
	FED. RC	AD DIST. NO. 7	ILLINOIS	FED. AI	D PROJECT			

specified.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554

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 and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I. See Sheet 18 of 36 for Anchor Bolt location Details at East Abutment.

See Sheet 21 of 36 for Anchor Bolt location Details at West Abutment. Side retainers, anchor bolts, nuts, washers and bearing plates may be galvanized according to AASHTO M111 or M232 (as applicable).

Side Retainers at Encased Fixed Bearings shall be paid for as Furnishing & Erecting Structural Steel.