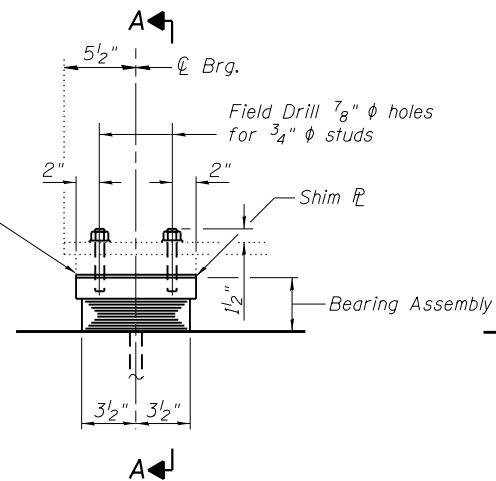
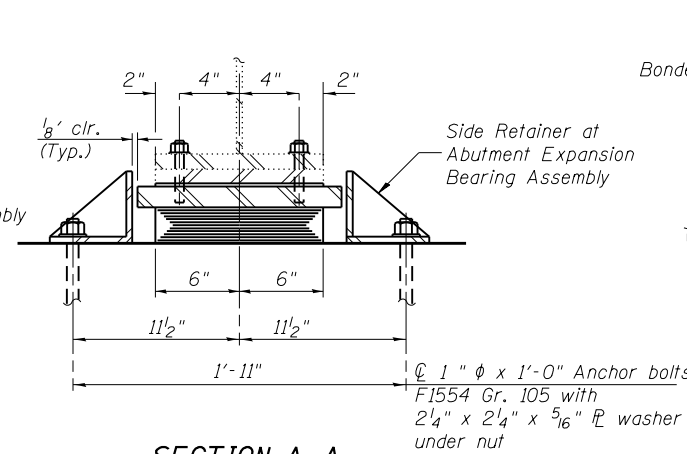


EXISTING BEARING REMOVAL DETAIL

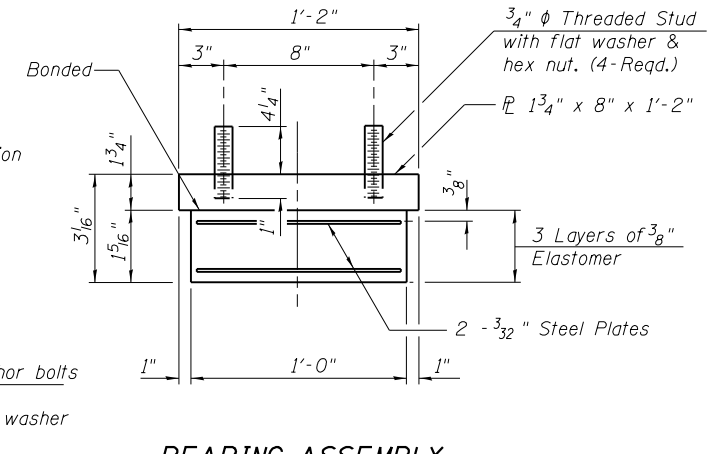
(10 Required)
5 at each Abutment



ELEVATION



SECTION A-A



BEARING ASSEMBLY

(at each Abutment)

TYPE I ELASTOMERIC EXP. BRG.

(10 Required)
5 at each Abutment

PROCEDURE TO JACK AND REMOVE EXISTING BEARINGS

(North & South Abutments)
(Minimum Jack Capacity Required 61 tons)

1. Jack and Remove Existing Bearings shall be conducted according to the General Bridge Special Provision "Jack and Remove Existing Bearings". See Interior Beam Reaction Table for loads on Sheet 10 of 20.
2. Three beams may be lifted simultaneously, as outlined in the stage construction layout.
3. The existing anchor bolts shall be cut off flush with the existing bridge seat, the rockers, top and bottom plates shall be removed.
4. Formwork and bearing seat construction shall occur.
5. The new elastomeric bearings shall be placed and the jacks shall be lowered.
6. The new holes for the side retainers shall be drilled at the locations specified.
7. No Bearing Replacement is required at Pier 2.

Notes:

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 11 of 20 for Anchor Bolt location Details at North Abutment.

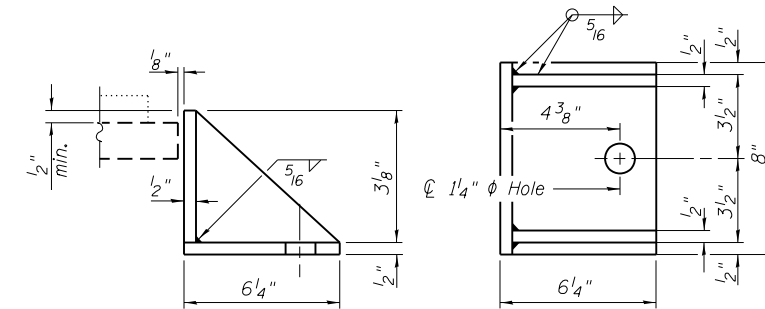
See Sheet 13 of 20 for Anchor Bolt location Details at South Abutment.

Side retainers, anchor bolts, nuts, washers and bearing plates may be galvanized according to AASHTO M111 or M232 (as applicable).

Two 1/8 inch adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. (0.01 ft). Adjustments shall be made either by grinding the surface of by shimming the bearings.

Holes shall be subdrilled 3/4 inch diameter and reamed in the field to 7/8 inch diameter for 3/4 inch diameter studs unless otherwise noted.



SIDE RETAINER AT ABUTMENT EXPANSION BEARING ASSEMBLY

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.
(20 Req'd)

(10 at each Abutment)

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	10
Anchor Bolts, 1"	Each	20
Jack & Remove Existing Bearings	Each	10

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FILE NAME = 0250062-74295-009.dgn

USER NAME =

DESIGNED - B.B.

REVISED -

CHECKED - A.C.S.

REVISED -

PLOT SCALE =

DRAWN - B.B.

REVISED -

PLOT DATE = 2:29:41 PM 8/15/2013

CHECKED - C.J.F.

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT BEARING DETAILS
STRUCTURE NO. 025-0062

SHEET NO. 9 of 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(25-4HB-2)II	EFFINGHAM	1760	1749
				CONTRACT NO. 74295

ILLINOIS FED. AID PROJECT