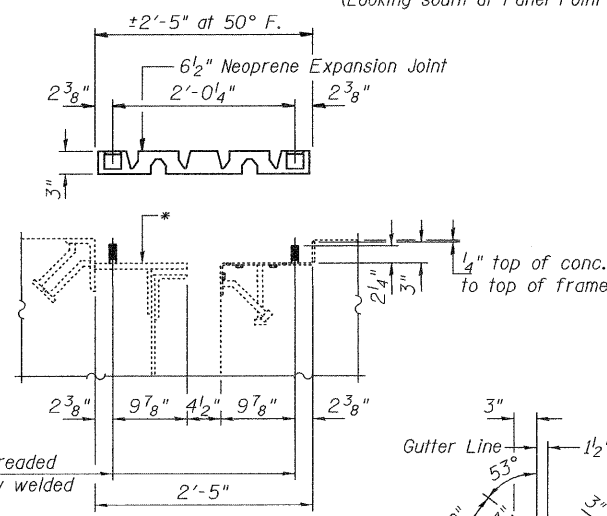
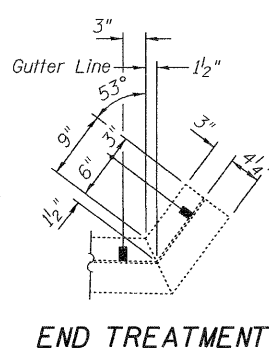


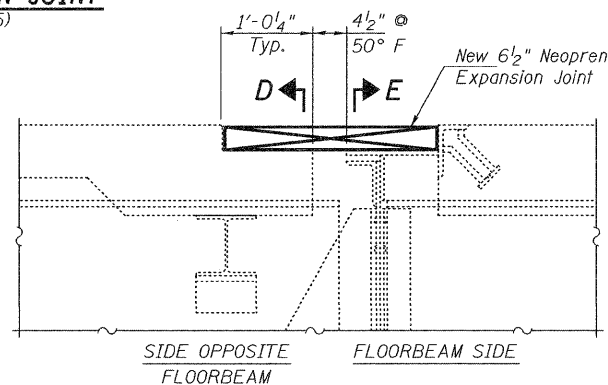
PLAN NEOPRENE EXPANSION JOINT
(Looking south at Panel Point 15)



SECTION THRU NEOPRENE EXPANSION JOINT (6 1/2")
(TRANSFLEX MODEL 650)



END TREATMENT

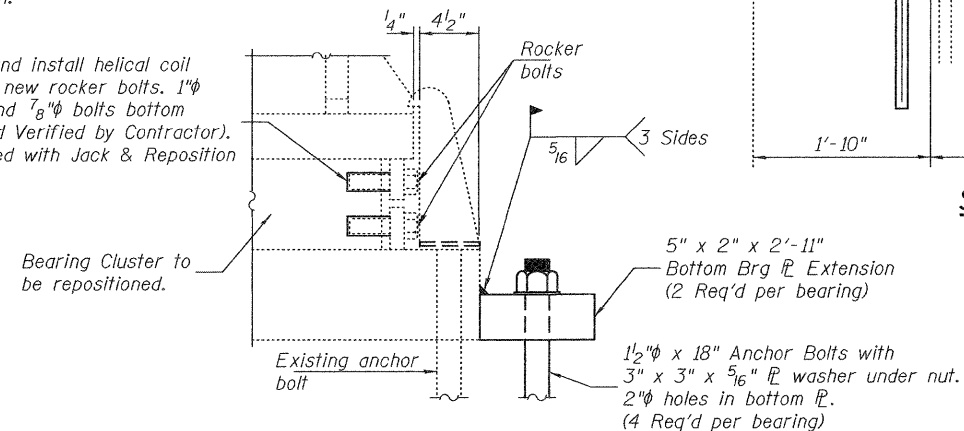


JOINT SECTION AT PANEL POINT 15

Suggested Sequence of Construction at Pier H for Truss Bearing Repositioning

1. Remove anchor bolts to the top of the bottom bearing plate and remove side retainers. To be reused.
2. Remove existing rocker bolts.
3. Jack bridge a maximum of 1 1/2". Jacks must be synchronized to ensure equal lifting of the truss. See Special Provision Jack and Reposition Bearings.
4. Drill, tap and install helical threaded inserts in ends of rockers.
5. Reposition bearings to upright position and lower bridge.
6. Install new bolts in ends of rockers.
7. Install bottom bearing plate extensions and new anchor bolts.
8. Field weld modified side retainers back into position at original location.

Drill, Tap and install helical coil inserts for new rocker bolts. 1" bolts top and 7/8" bolts bottom (To be Field Verified by Contractor). Cost included with Jack & Reposition Bearings.



ENLARGED DETAIL

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

* After removal of the existing Neoprene Joint, all existing threaded studs welded to the top flange shall be removed, and the remaining weld shall be ground smooth. The steel surface shall be blast cleaned according to SSPC-SP10 and primed with organic zinc rich paint. Cost included with Neoprene Expansion Joint, 6 1/2".

Suggested Sequence of Construction at Pier H for Approach Bearings

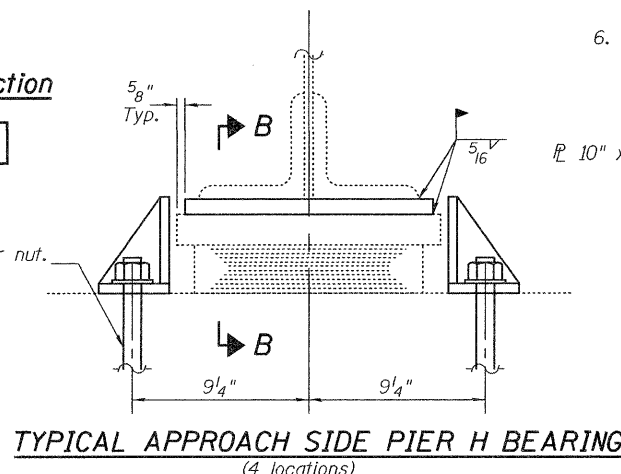
1. Remove existing side retainers. Remove existing anchor bolts flush with concrete.
2. Remove existing 3/8" fillet weld between top bearing plate and stringer bottom flange.
3. Jack approach span a maximum of 1/8". Jacks must be synchronized to ensure equal lifting of the span. See Special provision Jack and Remove Existing Bearings.
4. Position 1" shim plate on top of existing bearing plate and lower approach span.
5. Field weld shim plate to top bearing plate and stringer bottom flange.
6. Install new side retainers.

Approach Bearing Reaction

R	Q	(k)	22.8
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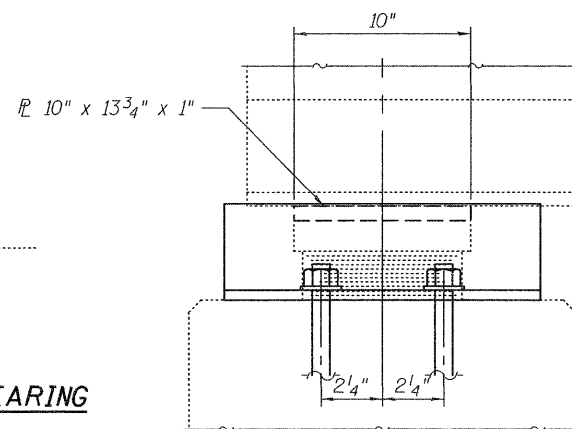
Min. Jack Capacity = 18 Tons

1" x 12" Anchor Bolts with 2 1/2" x 2 1/2" x 5/16" PL washer under nut. 1 1/4" holes in bottom PL. (4 Req'd per bearing)

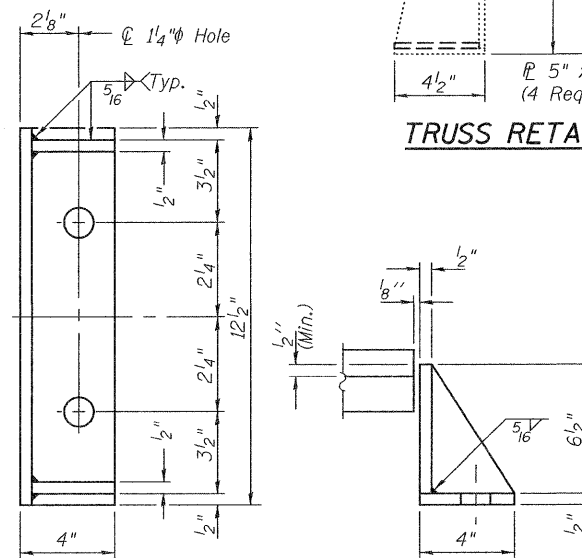


TYPICAL APPROACH SIDE PIER H BEARING
(4 locations)

Cost of anchor bolts, Side retainers and plate included with Structural Steel Repair.



SECTION B-B



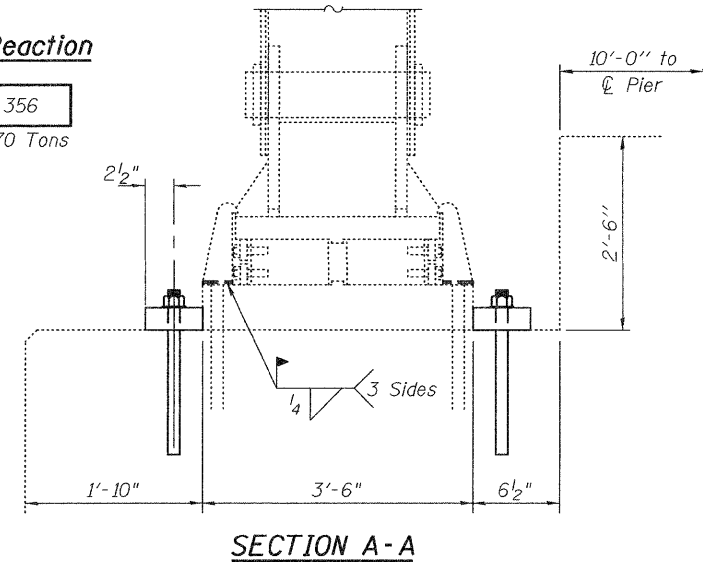
APPROACH SIDE RETAINER

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

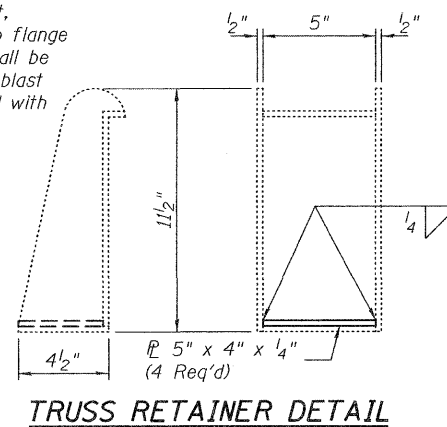
Truss Bearing Reaction

R	Q	(k)	356
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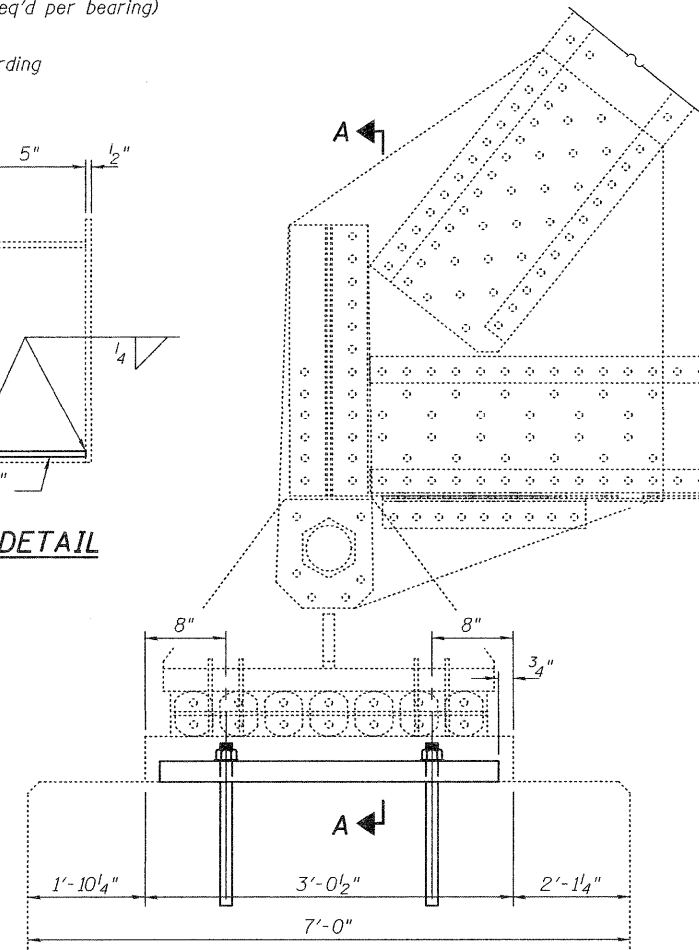
Min. Jack Capacity = 270 Tons



SECTION A-A



TRUSS RETAINER DETAIL



PIER H TRUSS BEARING ELEVATION
(2 locations)

Cost of anchor bolts and bottom bearing plate extension included with Structural Steel Repair.

DESIGNED - G.G.E.	EXAMINED - <i>Jayne F. [Signature]</i>
CHECKED - V.H.V.	ACTING ENGINEER OF STRUCTURAL SERVICES
DRAWN - Drew Christopher	PASSED - <i>A. Carl [Signature]</i>
CHECKED - G.G.E. V.H.V.	ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 14, 2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR E, F AND G DETAILS
SN 002-0005

SHEET NO. 14 OF 14 SHEETS

F.A.S. RTE. 944	SECTION (138D-BR)I-6	COUNTY Alexander	TOTAL SHEETS 22	SHEET NO. 22
CONTRACT NO. 78250			ILLINOIS FED. AID PROJECT	