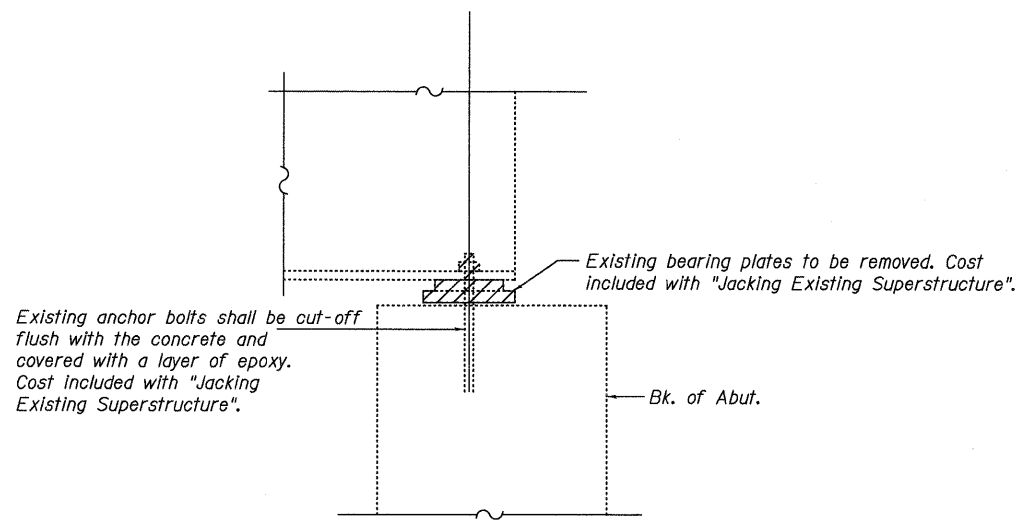


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Operator: dheberling
Date: 9/9/2009 3:16:39 PM
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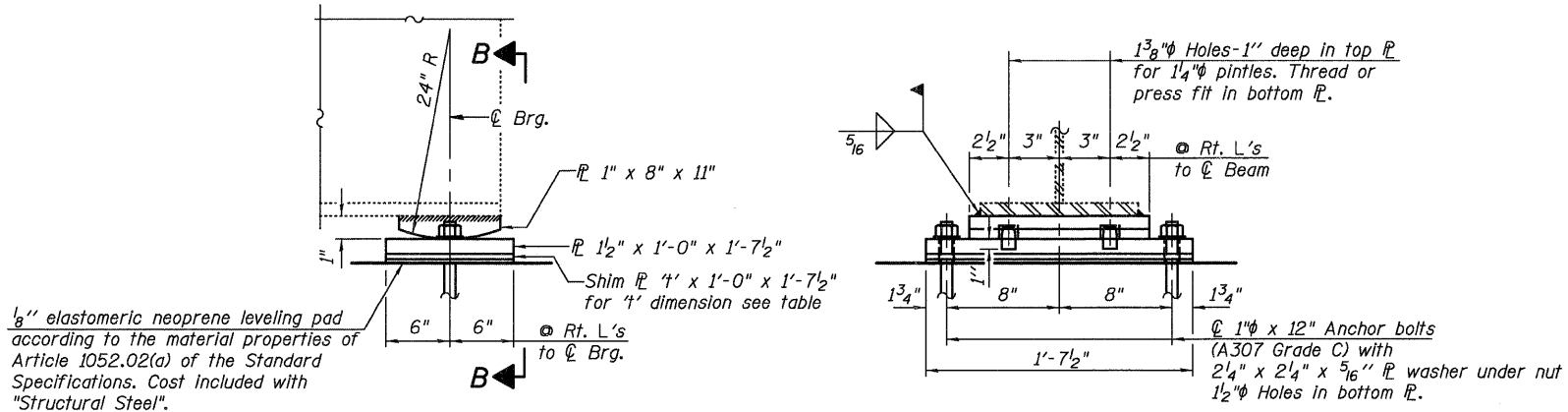


ELEVATION AT ABUTMENTS

Notes:

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.



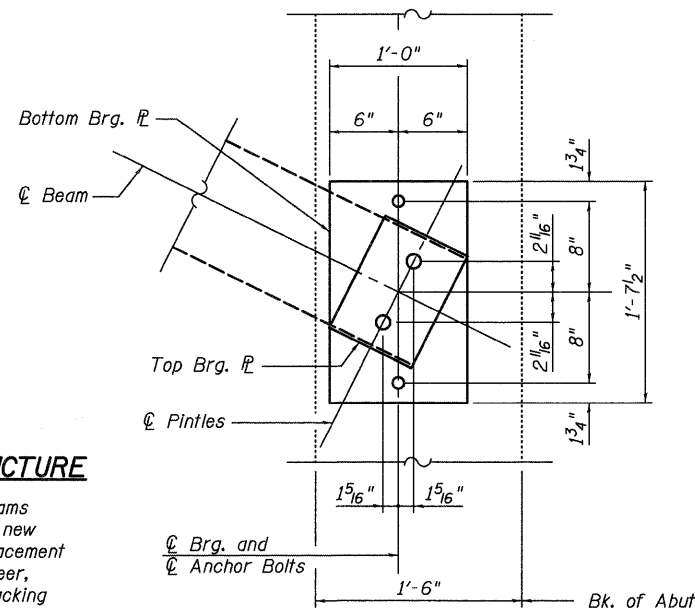
ELEVATION AT ABUTMENTS

SECTION B-B

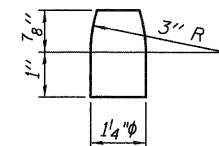
FIXED BEARING

TABLE OF 4' DIMENSIONS

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7
S. Abut.	1/4"	1/8"	-	1/8"	1/8"	1/2"	-
N. Abut.	1/4"	1/4"	1/4"	1/4"	1/4"	1"	-



PLAN AT BEARINGS



PINTLE

PROCEDURE FOR JACKING EXISTING SUPERSTRUCTURE

- Jacking of existing structural steel is required to raise the existing beams approximately 1/4 inch to provide adequate space for installation of the new bearings and to temporarily support the beams during removal and replacement of the bearings. The Contractor shall submit for approval by the Engineer, plans for jacking and supporting the beams prior to commencing any jacking operations.
- Jacking of the existing superstructure shall be done after the removal of the existing concrete deck is complete and the Temporary Wall Bracing System is installed.
- The diaphragm at the stage construction line shall be temporarily disconnected and supported during jacking operations. The existing rivets connecting the diaphragm to Beam 4 shall be replaced with H.S. bolts after Stage II Jacking has occurred.
- All beams shall be raised the same amount. The shim plate thickness shown on this sheet are based on the field survey and are required to ensure that all beams are raised the same amount in the final condition. The Contractor shall verify these thicknesses and make any necessary approved adjustments.
- The maximum reaction per bearing is 3 kips. The minimum jack capacity is 5 tons.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	2,100
Anchor Bolts, 1"	Each	28

BEARING DETAILS
INTERSTATE 55 W. FRONTAGE ROAD
OVER I & M CANAL & STATE TRAIL
F.A.I. ROUTE 55 - SECTION 86B-3-R
WILL COUNTY
STRUCTURE NO. 099-0036
PUBLIC WATERS

DESIGNED - SDS
CHECKED - CWC
DRAWN - DLH
CHECKED - SDS/CEH

WHKS & CO.
ENGINEERING
7018 KINGSMILL CT.,
SPRINGFIELD, IL
(217) 483-9457
DESIGN FIRM #184001036

SHEET NO. 15 17 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	55	86B-3-R	WILL	38	28
	S.N. 099-0036		CONTRACT NO. 60F53		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			