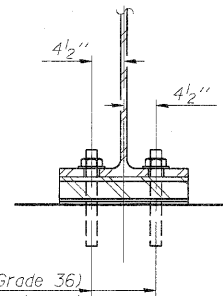
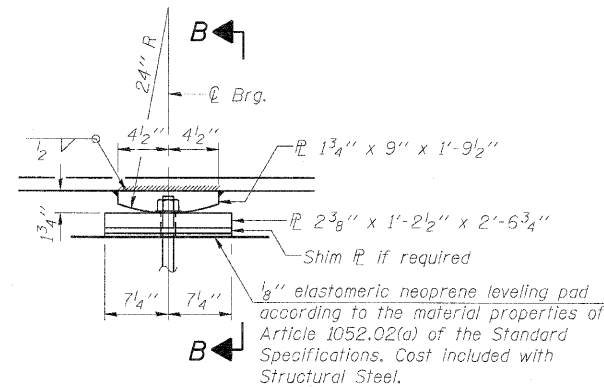


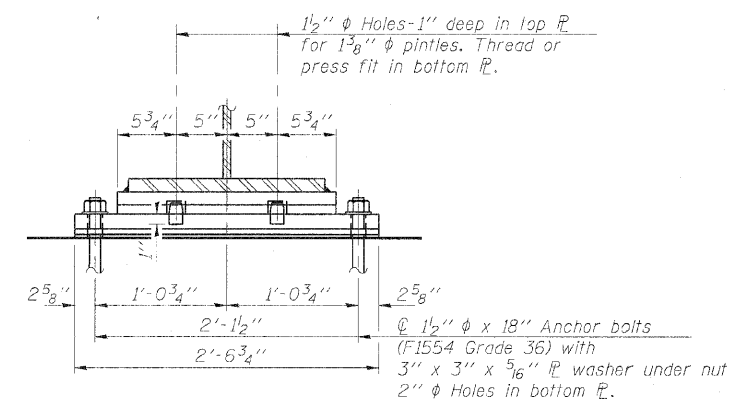
ELEVATION AT ABUTMENTS



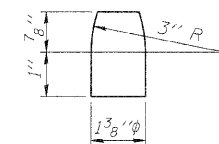
SECTION A-A



ELEVATION AT PIERS



SECTION B-B



PINTLE

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.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

Contractor shall provide steel shim(s) as required beneath Girder 5 at South Abutment (Southbound Bridge) to result in an elevation difference between top of Girder 5 and top of Girder 4 of $\frac{5}{8}$ " (Girder 5 is higher) and Girder 10 at the North Abutment (Northbound Bridge) to result in an elevation difference between top of Girder 10 and Girder 11 of $\frac{5}{8}$ " (Girder 10 is higher). Total estimated shim height = $\frac{5}{8}$ ". (Contractor to field verify). Shim plate(s) shall be the full dimension of the bottom bearing plate. Cost of shim(s) is included with Furnishing and Erecting Structural Steel Bridge No. 6.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	56
Anchor Bolts, 1½"	Each	28

BEARING DETAILS

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

 HANSON Hanson Professional Services Inc.		JOB NO. 05R1532A	SHEET NO. <i>31</i>	F.A.I. RTE. 280	SECTION 81-1(HB)R	COUNTY Rock Island	TOTAL SHEETS 503	SHEET NO. 164
		DATE 07/23/10	50 SHEETS	CONTRACT NO. 64815				
				ILLINOIS FED. AID PROJECT				