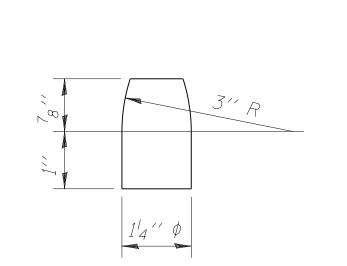


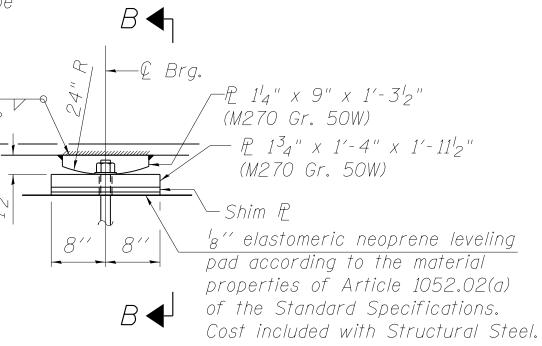
ESTIMATED SHIM PLATE THICKNESS

Beam	S. Abut.	N. Abut.	Pier
3	1 "	/ "	1/2"

In addition to other shims required to be provided, Contractor shall supply and install a $\frac{1}{2}$ " shim with the same plan dimensions as the bottom bearing plate for beam #3 at all of the substructures as shown in the above table. These shims shall be included in the cost of Structural Steel.



DETAIL OF PINTLE



ELEVATION AT PIER

1^3_8 " ϕ Holes-1" deep in top P_2 for $1_4'' \phi$ pintles. Thread or press fit in bottom P. 44" 35" 35" 44" $Q 1'' \phi \times 12''$ |Anchor bolts (FI554 Grade 1'-11/2" -55) with 24" x 24" x 516" P washer under nut 1_2^{l} " ϕ Holes in bottom \mathbb{P} .

Notes:

Anchor bolts shall be ASTM F1554 (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A 307 Grade C anchor bolts may be used in lieu of ASTM FI554 Grade 36 (Fy-36 ksi).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.

The anchor bolt sizes and grades shown

DETAIL OF SPLICE

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

Мах.

Two 18 in. adjusting shims shall be provided for each bearing in addition to all other plates of shims and placed as shown on bearing details.

BILL OF MATERIAL

ITEM	EACH	TOTAL
Anchor Bolts, 1"	Each	36
Stud Shear Connector	Each	3564

FIXED BEARING

SF	SECTION B-B	constitute a calculated seismic structural tuse.	Anchor Bo)/ts, 1"	Each	36
<u> </u>	<u>92071977 </u>	Substitution of higher diameter and/or grade anchor bolts will not be allowed.	Stud Shea	r Connector	Each	3564
G		anonor bons win nor be anowed.				



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•	PLOT DATE = 10/4/2012	CHECKED	=	JB	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STEEL DETAILS **STRUCTURE NO. 090–0179**

SHEET NO. S14 OF S22 SHEETS

SECTION COUNTY 673 (102B-1) BR TAZEWELL 89 57 CONTRACT NO. 68671 ILLINOIS FED. AID PROJECT