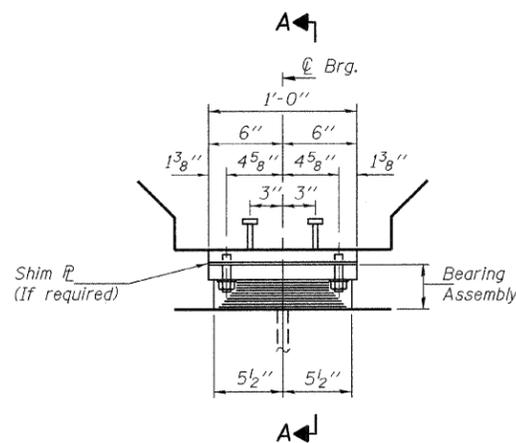
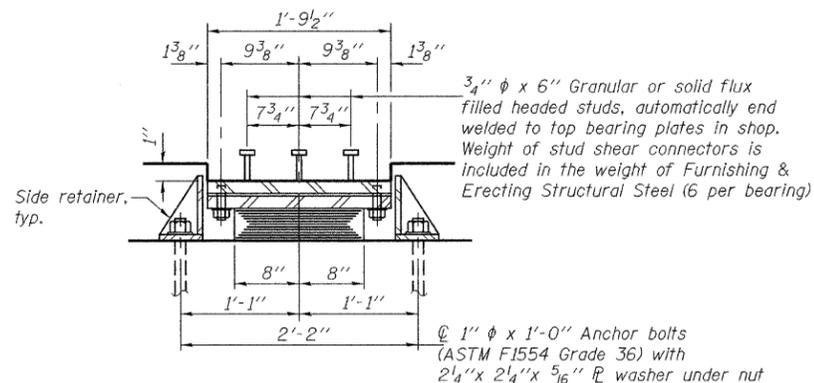


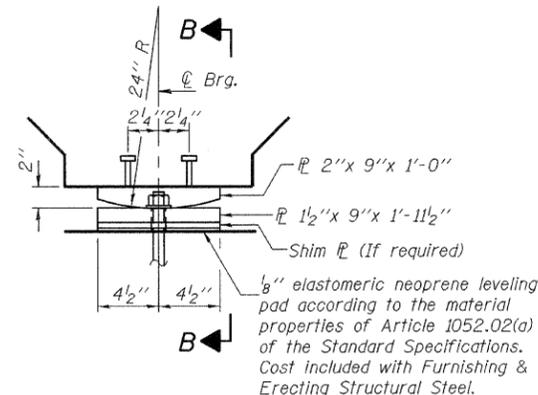
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



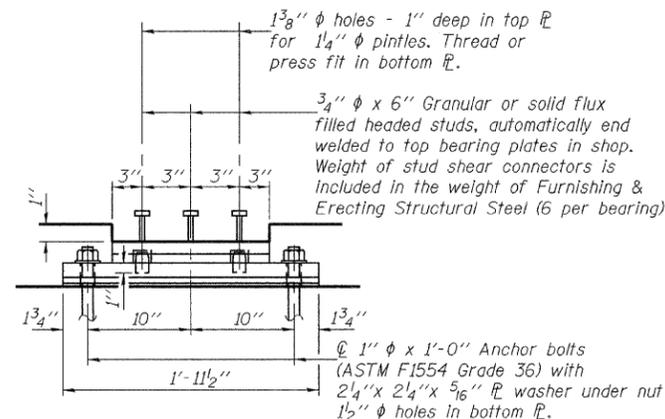
ELEVATION AT PIER 2



SECTION A-A



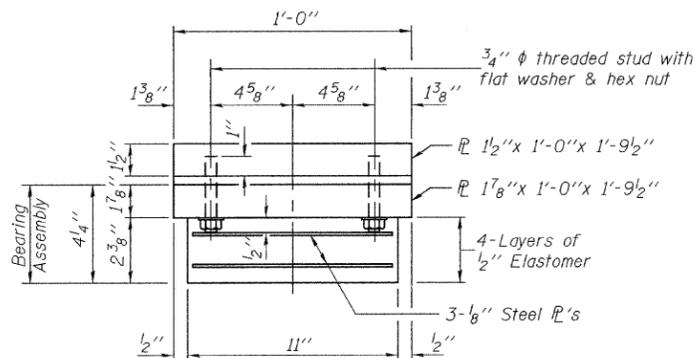
ELEVATION AT PIER 1



SECTION B-B

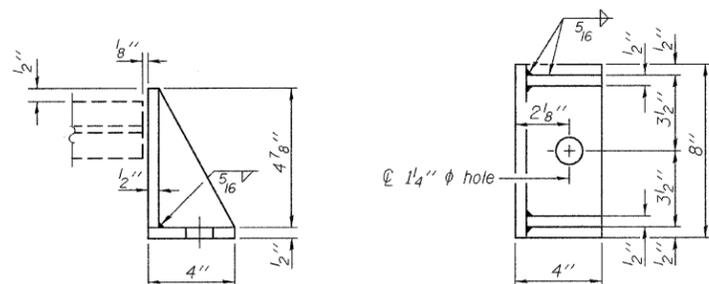
TYPE I ELASTOMERIC EXP. BRG.

FIXED BEARING  
(18 Required)



BEARING ASSEMBLY

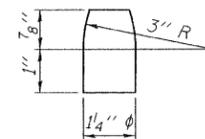
Note:  
Shim plates shall not be placed under Bearing Assembly.



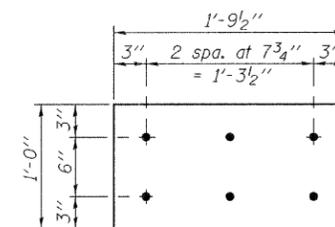
SIDE RETAINER

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

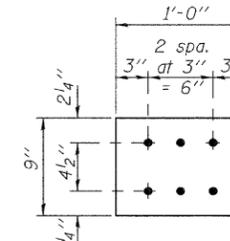
Notes:  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.  
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled before the supported slab is in place.  
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.  
The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 36.  
Two 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.  
All embedded and separate bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 (as applicable).  
H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50.  
All top bearing plates for elastomeric bearings, top fixed bearing plates, elastomeric bearing assembly, anchor bolts, side retainers, pintles and bottom bearing plates for fixed bearings shall be formed and installed before the deck is poured. Forms shall be removed after the construction of the deck is complete.



PINTLE



SHEAR STUD LAYOUT  
(At Pier 2)



SHEAR STUD LAYOUT  
(At Pier 1)

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	18
Anchor Bolts 1" φ	Each	72

BEARING DETAILS  
STRUCTURE NO. 037-0015 (S.B.)  
STRUCTURE NO. 037-0016 (N.B.)

DESIGNED	Nicholas R. Barnett
CHECKED	Michael D. Rolape
DRAWN	h.f. duong
CHECKED	NRB/MDR/GRA

EXAMINED	September 29, 2009
PASSED	Thomas J. Domagalicki ENGINEER OF BRIDGE DESIGN
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 15 30 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74	37-4HB	HENRY	148	51
CONTRACT NO. 64264					
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					