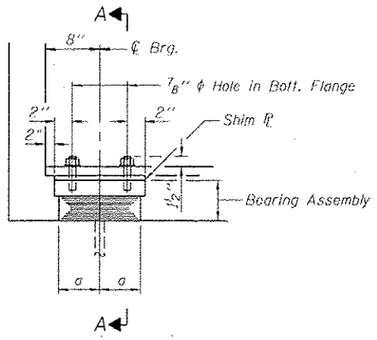
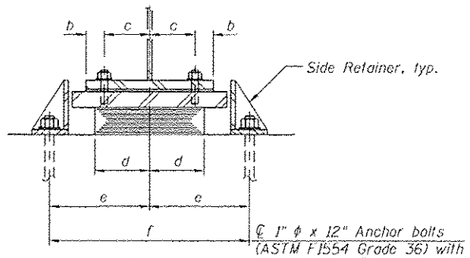


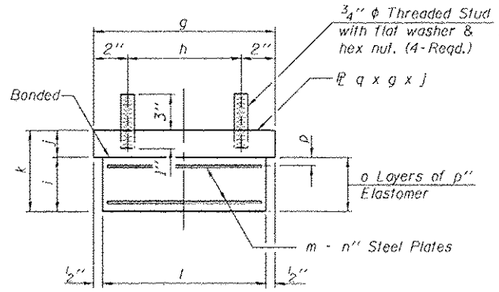
ELEVATION AT ABUT.



SECTION A-A

℄ 1" ϕ x 12" Anchor bolts (ASTM F1554 Grade 36) with 2¼" x 2¼" x ⅝" PL washer under nut (North Abut.)
℄ 1½" ϕ x 18" Anchor bolts (ASTM F1554 Grade 36) with 3" x 3" x ⅝" PL washer under nut (Pier 1)

TYPE I ELASTOMERIC EXP. BRG. AT NORTH ABUTMENT AND PIER 1



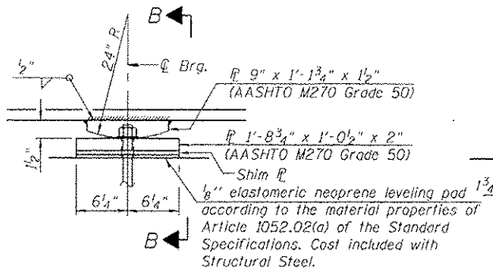
BEARING ASSEMBLY

BILL OF MATERIAL

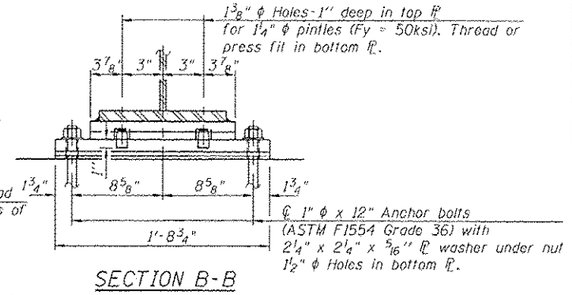
Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 1"	Each	48
Anchor Bolts, 1½"	Each	24

BEARING DIMENSION TABLE

Location	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
N. Abut.	5½"	2"	4"	8"	11¼"	1'-10½"	1'-0"	8"	3⅝"	1⅛"	5½"	11"	5	⅜"	6	½"	1'-6"	5½"
Pier 1	7"	2"	4"	11"	1'-2⅞"	2'-5¾"	1'-3"	11"	2 1/16"	2¾"	5 3/16"	1'-2"	2	3/16"	3	11/16"	2'-0"	5¼"

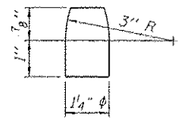


ELEVATION AT PIER



SECTION B-B

FIXED BEARING AT PIER 2

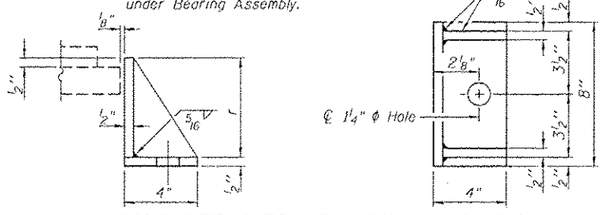


PINTLE

NOTES:

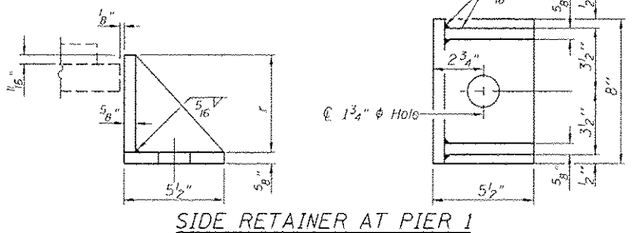
1. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
2. Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
3. Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.
4. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
5. Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type 1.
6. Cost of fixed bearings shall be included with Furnishing and Erecting Structural Steel.
7. All structural steel included in Bearing Assemblies shall be hot dipped galvanized. Cost included with Furnishing and Erecting Structural Steel or Elastomeric Bearing Assembly Type I.
8. The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.
9. 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.
10. Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details. See Sheet S1-26 for shim plate table.

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



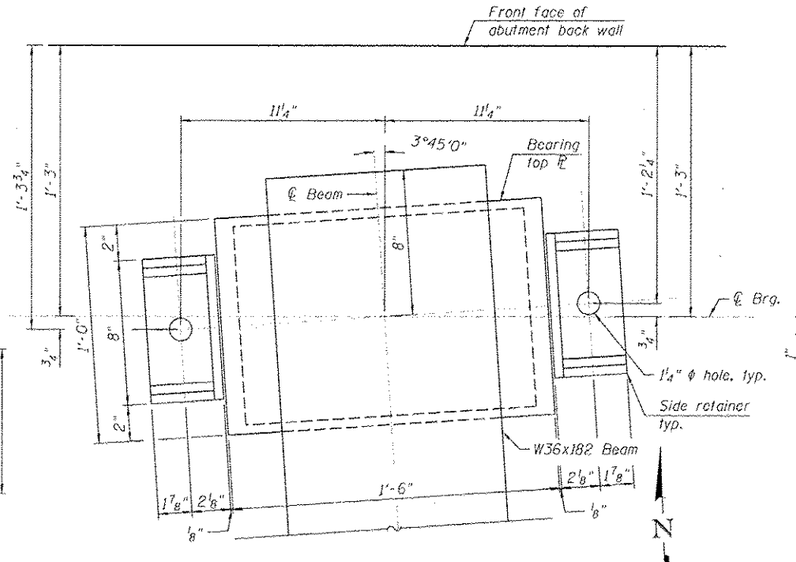
SIDE RETAINER AT NORTH ABUTMENT

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



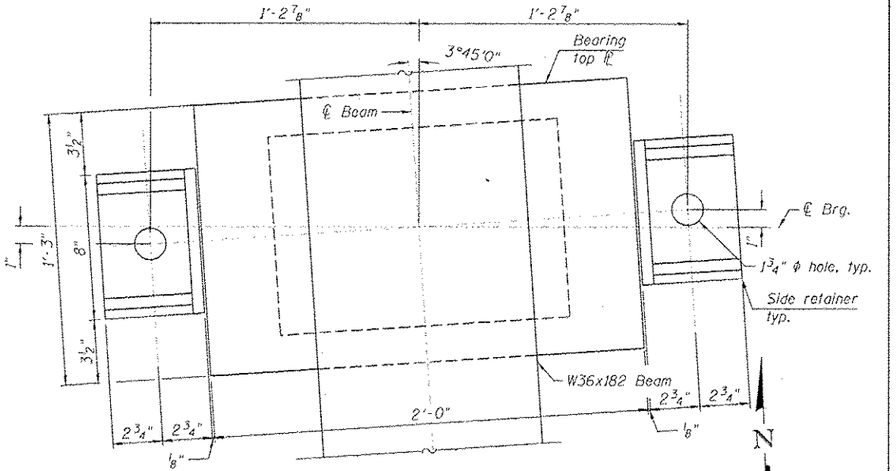
SIDE RETAINER AT PIER 1

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



ANCHOR BOLT LAYOUT PLAN

(North Abutment)



ANCHOR BOLT LAYOUT PLAN

(Pier 1)

I-2E-1 1-27-12

⚠1 Entire sheet revised

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PLOT SCALE = 814.0000 ' / in.	CHECKED - MAI, MI, JJS	REVISED -	
PLOT DATE = 7/19/2013	DATE - 6/17/2013	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELASTOMERIC BEARING TYPE I AND FIXED BEARING
STRUCTURE NO. 016-1709

SCALE: | SHEET S1-25 OF S1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-007R	COOK	317	169
		CONTRACT NO. 60W25		
		ILLINOIS FED. AID PROJECT		