

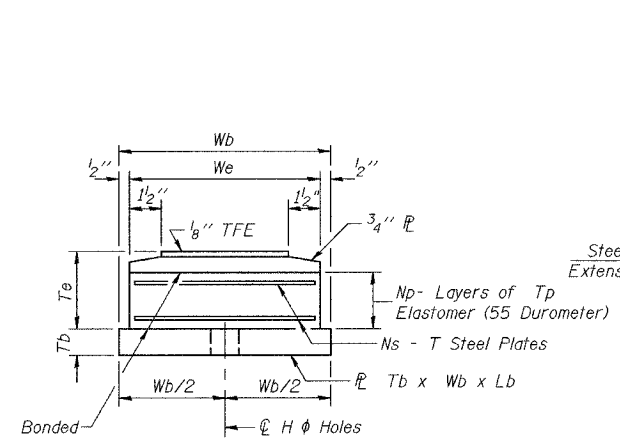
ELASTOMERIC BEARING SCHEDULE (TYPE I AND II)

Bearing Location	Pier	Type	Bearing Designation	No. Req'd	Th	Elastomeric Bearing						Top Plate				Bottom Plate			Anchor Bolts					Side Retainer						
						We	Le	Te	Tp	Np	Ts	Ns	Wt	Lt	Ttn	Tts	Rt	Wb	Lb	Tb	Da	La	Rb	H	Wp	y	z	t	Hp	v
016-0137	8	I	12-b	11	5 1/16	12	18	2 13/16	9/16	4	3/16	3	13	20	3	3	9	-	-	-	1 1/2	18	12 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	5 3/4
	10	I	11-a	11	5	11	16	2 3/8	7/8	4	3/8	3	12	18	2 7/16	2 13/16	8	-	-	-	1 1/2	15	11 1/2	-	2 3/4	2 3/8	4 3/4	1/2	1 1/2	5 1/4
	12	I	12-b	10	5 7/16	12	18	2 13/16	9/16	4	3/16	3	13	20	2 7/16	2 13/16	9	-	-	-	1 1/2	18	12 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	5 3/4
	14	I	12-b	10	5 7/16	12	18	2 13/16	9/16	4	3/16	3	13	20	2 7/16	2 13/16	9	-	-	-	1 1/2	18	12 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	5 3/4
	16	I	12-b	10	5 7/16	12	18	2 13/16	9/16	4	3/16	3	13	20	2 7/16	2 13/16	9	-	-	-	1 1/2	18	12 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	5 3/4
	20	I	11-a	11	5	11	16	2 3/8	7/8	4	3/8	3	12	18	2 7/16	2 13/16	8	-	-	-	1 1/2	15	11 1/2	-	2 3/4	2 3/8	4 3/4	1/2	1 1/2	5 1/4
22	I	12-b	11	5 7/16	12	18	2 13/16	9/16	4	3/16	3	13	20	2 7/16	2 13/16	9	-	-	-	1 1/2	18	12 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	5 3/4	
016-1110	2	I	15-c	8	7 1/2	15	24	4 1/2	3/4	5	3/16	4	16	26	3	3	12	-	-	-	1 1/2	18	15 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	7 3/8
	5	I	14-c	13	7 5/16	14	22	4 3/16	11/16	5	3/16	4	15	24	3	3	11	-	-	-	1 1/2	18	14 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	7 1/4
016-1111	3	II	13-b	8	8 1/2	13	20	3 15/16	5/8	4	3/16	3	14	22	3	3	10	14	33 1/4	1 1/2	1 1/2	18	13 7/8	2	3	2 3/4	5 1/2	5/8	1 3/4	6 7/8
	4	I	13-b	8	6 1/8	13	20	3 1/16	5/8	4	3/16	3	14	22	3	3	10	-	-	-	1 1/2	18	13 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	6
	6	I	13-b	8	6 1/8	13	20	3 1/16	5/8	4	3/16	3	14	22	3	3	10	-	-	-	1 1/2	18	13 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	6
	8	II	13-b	8	8 1/2	13	20	3 15/16	5/8	4	3/16	3	14	22	3	3	10	14	33 1/4	1 1/2	1 1/2	18	13 7/8	2	3	2 3/4	5 1/2	5/8	1 3/4	6 7/8
	9	I	13-b	8	6 1/8	13	20	3 1/16	5/8	4	3/16	3	14	22	3	3	10	-	-	-	1 1/2	18	13 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	6
	11	I	13-b	8	6 1/8	13	20	3 1/16	5/8	4	3/16	3	14	22	3	3	10	-	-	-	1 1/2	18	13 7/8	-	3	2 3/4	5 1/2	5/8	1 3/4	6

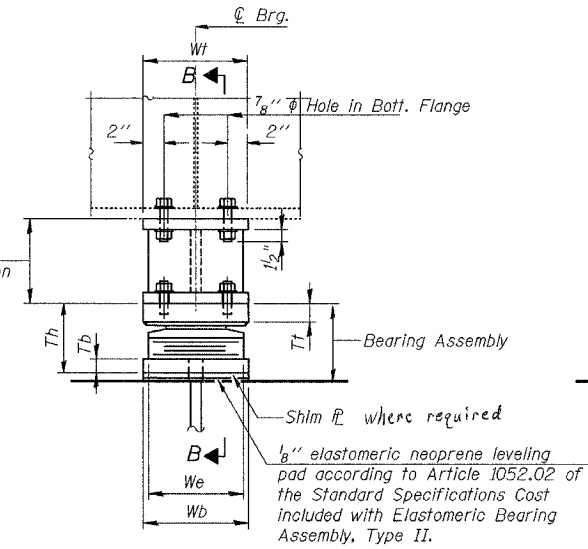
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2005-008F	COOK	93	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62919				

SUPPORTING REACTIONS AND MINIMUM JACKING CAPACITY

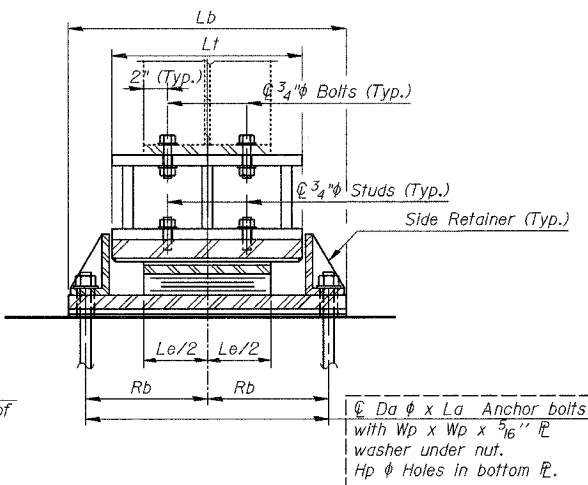
S/N	Pier	DL + 1/2(LL+I)	Min. Jack. Capacity (k)
016-0137	8	130	195
	10	113	170
	12	126	190
	14	126	190
	16	113	170
	20	130	195
016-1110	2	231	350
	5	173	260
016-1111	3	161	245
	4	161	245
	6	161	245
	8	161	245
	9	161	245
	11	161	245
016-1116	1	480	720
	(GN2-4)	365	550



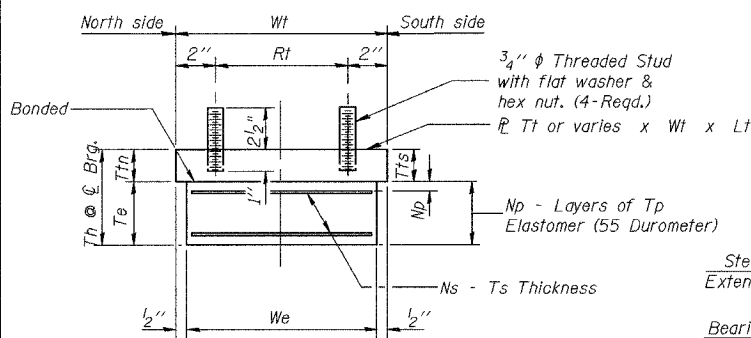
BOTTOM BEARING ASSEMBLY



ELEVATION AT PIER TYPE II ELASTOMERIC EXP. BRG.

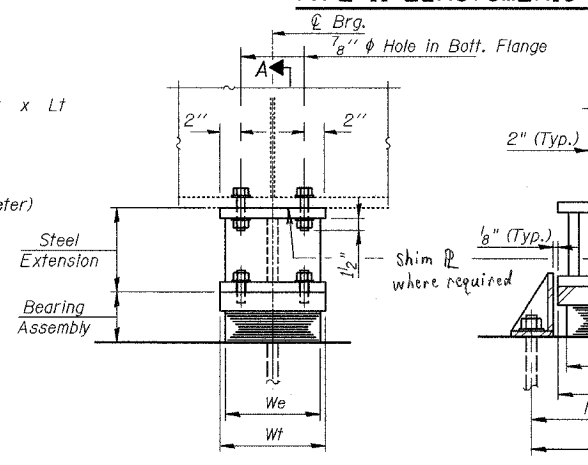


SECTION B-B TYPE II ELASTOMERIC EXP. BRG.

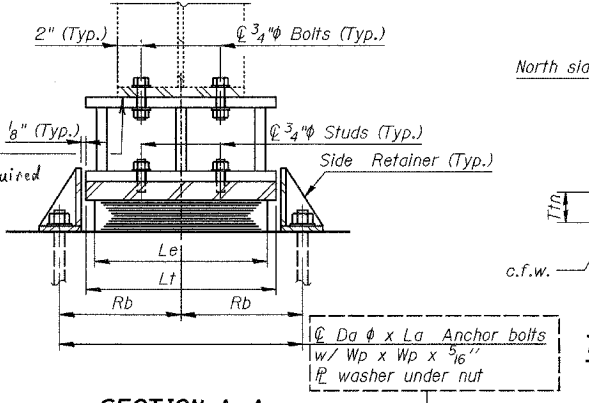


BEARING ASSEMBLY

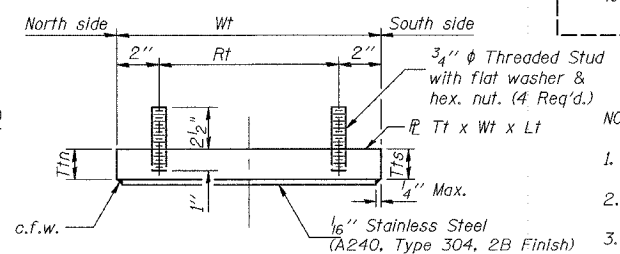
Note: Shim plates shall not be placed under Bearing Assembly.



ELEVATION AT PIER TYPE I ELASTOMERIC EXP. BRG.



SECTION A-A TYPE I ELASTOMERIC EXP. BRG.



TOP BEARING ASSEMBLY FOR TYPE II BEARINGS

- PROCEDURE TO JACK AND REMOVE EXISTING BEARINGS**
1. See Special Provision "Jack and Remove Existing Bearings"
 2. Jacking and removing existing bearings, including top and bottom plates and lead plates, shall be done after deck scarification is completed and before the new overlay is poured.
 3. See table for support reactions and min. jacking capacities.
 4. For jacking capacity see table above.
 5. Burn existing anchor bolts flush with the top of existing concrete surface. Grind existing anchor bolts smooth and seal with epoxy. Cost is included with "Jack and Remove Existing Bearings".
 6. Top plates welded to the bottom flange of beams shall be removed using air arc-method. Grind smooth all weld material remaining the bottom flange.
 7. The new bearings shall be in place and jacks shall be lowered before the overlay is poured.

- NOTES:**
1. For side retainer detail see Sht.14 .
 2. All values in Elastomeric Bearing Table are inches.
 3. For Steel Extension details and dimensions see Sht.14 .

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 FABRICATION CONTRACT
 NB DAN RYAN ELEVATED BRIDGE
 REPAIR FROM 15TH TO 28TH STREETS
 ELASTOMERIC BEARING DETAILS

SCALE: NTS
 DATE: 5/23/2005
 DRAWN BY: LM
 CHECKED BY: BLU

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 110 EAST WASHINGTON STREET SUITE 2050 CHICAGO, ILLINOIS 60601
 JOB NO. 668

11/6512 AM 5/23/2005