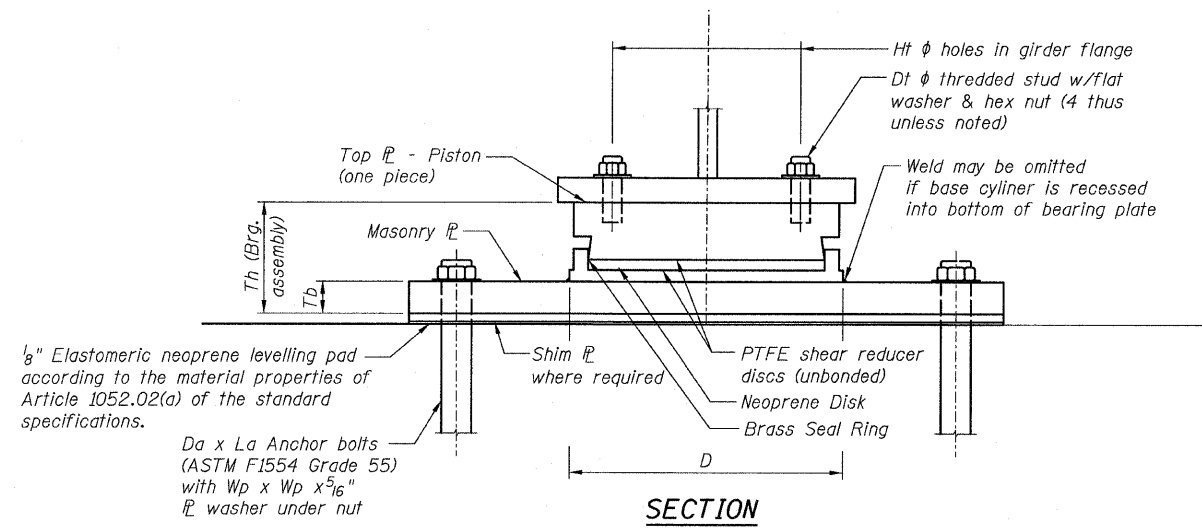
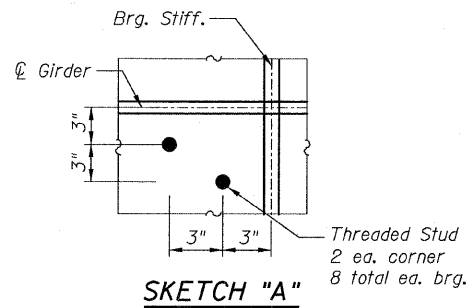


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



$\frac{1}{8}$ " Elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the standard specifications.

$Da \times La$ Anchor bolts (ASTM F1554 Grade 55) with $Wp \times Wp \times \frac{5}{16}$ " P washer under nut



BEARING SCHEDULE

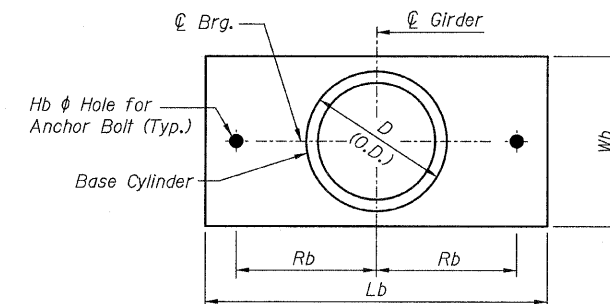
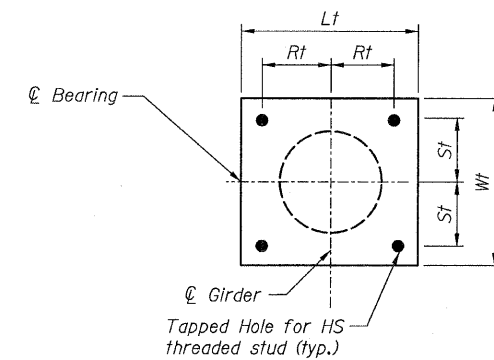
Type	Vertical Capacity (kips)	Lateral Capacity (kips)	Quantity Each	Pier	Girders	D	Th	Top Plate / Bearing Assembly					Masonry Plate								
								Wt	Lt	Dt	Ht	Rt	St	Wb	Lb	Tb	Da	Hb	La	Wp	Rb
HLMR, Fixed	250	25	18	6	3-20	11.50"	6.25"	11.50"	11.50"	.75"	0.875"	4.0"	4.0"	15.0"	20.0"	1.0"	1.0"	1.5"	12"	2.25"	8.25"
HLMR, Fixed	250	25	2	6	2, 21	11.50"	6.50"	11.50"	11.50"	.75"	0.875"	4.0"	4.0"	15.0"	28.0"	1.50"	1.0"	1.5"	12"	2.25"	12.25"
HLMR, Fixed	500	75	2	6	1, 22	16.25"	9.25"	16.25"	16.25"	1"	1.125"	Sketch A		20.0"	36.0"	2.25"	1.5"	12"	18"	3.0"	15.25"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
High Load Multi-Rotational Bearings, Fixed, 250 kips (Erect Only)	EACH	20
High Load Multi-Rotational Bearings, Fixed, 500 kips (Erect Only)	EACH	2
Anchor Bolts, 1"	EACH	40
Anchor Bolts, 1/2"	EACH	4

NOTES:

- All structural steel for the top and bottom bearing plates shall conform to the requirements of AASHTO M 270 Grade 50.
- Anchor bolts shall be F1554, Gr. 55.
- Top and bottom bearing plates, $\frac{1}{8}$ " elastomeric neoprene leveling pad, adjusting shims, threaded studs and other items required for the bearing are furnished under a separate contract. Installation of these items is included in the cost of Erecting HLMR Bearings of the type specified.
- 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.
- Top plate shall be beveled to match the slope of the girder flanges. Work this sheet with the top of steel elevation sheets.



HIGH LOAD MULTI-ROTATIONAL
BEARINGS FIXED
STRUCTURE NO. 016-0724

TYLIN INTERNATIONAL	DESIGNED - EKH, PK	REVISIONS		SHEET NO. 192	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - AMD,	NAME	DATE		55	0711.2R & 1011.1BR	COOK	741	516	
	DRAWN - EKH, PK				239 SHEETS	CONTRACT NO. 60999				
	CHECKED - AMD,				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
	DATE - 03/25/2011									

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es:\01345\structure\C2 Central Ave. 016-0724\155c2Fixed.dwg

4/28/2011