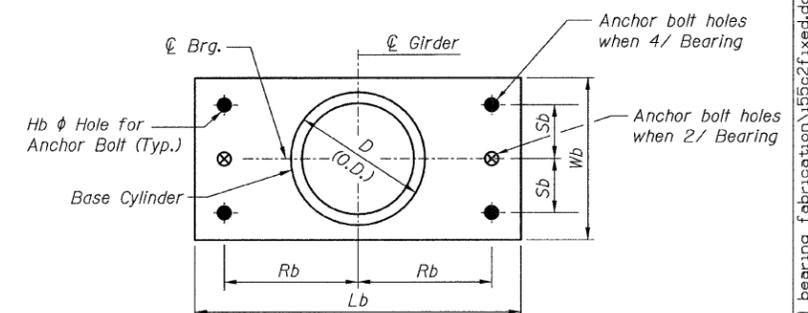
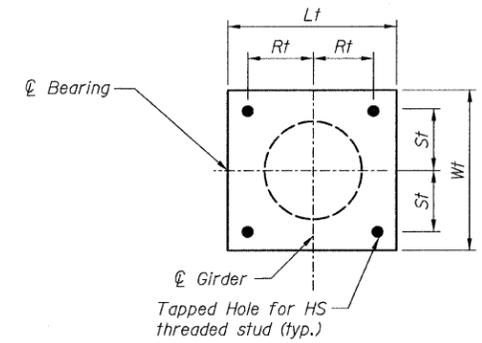
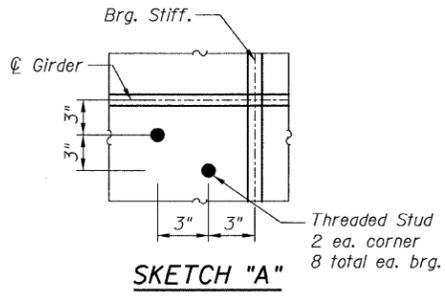
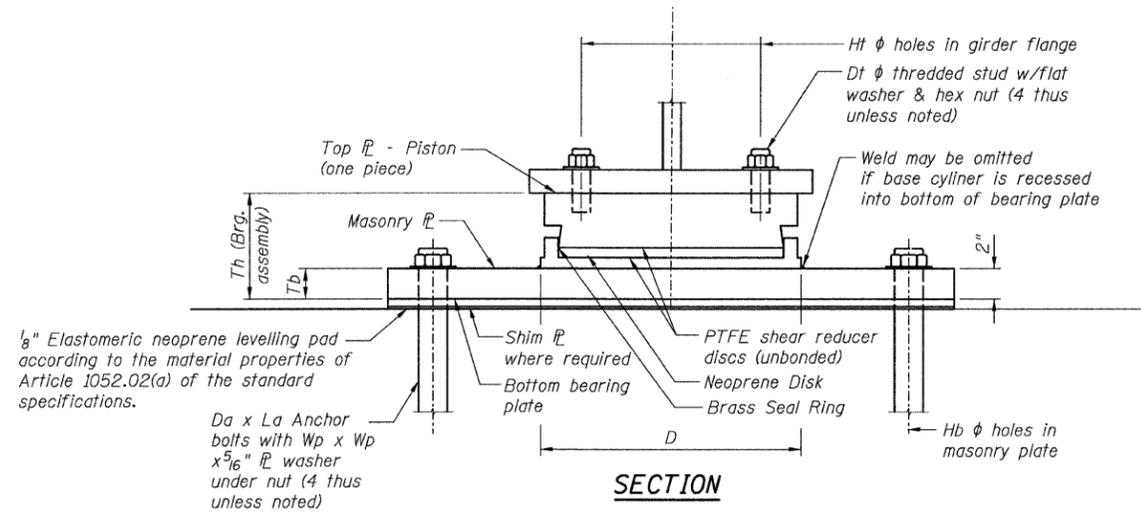


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



BEARING SCHEDULE

Type	Vertical Capacity (kips)	Lateral Capacity (kips)	Quantity Each	Pier	Girders	D	Th	Top Plate / Bearing Assembly						Masonry Plate												
								Wt	Lt	Tt	Dt	Ht	Rt	St	Wb	Lb	Tb	Da	Hb	La	Wp	Rb	Sb			
HLMR, Fixed	250	25	18	6	3-20	11.50"	6.25"	11.50"	11.50"	2"	.75"	0.875"	4.0"	4.0"	15.0"	20.0"	1.0"	1.0"	1.5"	1.2"	2.25"	8.25"				
HLMR, Fixed	250	25	2	6	2, 21	11.50"	6.50"	11.50"	11.50"	1.75"	.75"	0.875"	4.0"	4.0"	15.0"	28.0"	1.50"	1.0"	1.5"	1.2"	2.25"	12.25"				
HLMR, Fixed	500	75	2	6	1, 22	16.25"	9.25"	16.25"	16.25"	2.50"	1"	1.125"	Sketch A	20.0"	36.0"	2.25"	1.5"	2"	1.8"	3.0"	15.25"					

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Furnishing HLMR Bearing, Fixed, 250 kips	EACH	20
Furnishing HLMR Bearing, Fixed, 500 kips	EACH	2

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.
- Cost of top and bottom bearing plates,  $\frac{1}{8}$ " elastomeric neoprene leveling pad, adjusting shims and threaded studs with washers shall be included in the unit price for "Furnishing HLMR BEARINGS," of the type selected.
- 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 girder flanges. Work this sheet with top of steel elevation sheets.

BOTTOM BEARING P AND BASE CYLINDER PLAN

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

TYLIN INTERNATIONAL	DESIGNED - EKH, PK	REVISIONS		SHEET NO. 137	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - AMD,	NAME	DATE		55	0711.2R & 1011.1BR	COOK	200	167	
	DRAWN - EKH, PK				CONTRACT NO. 60L39					
	CHECKED - AMD,				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
	DATE - 08/02/10				8/11/2010					