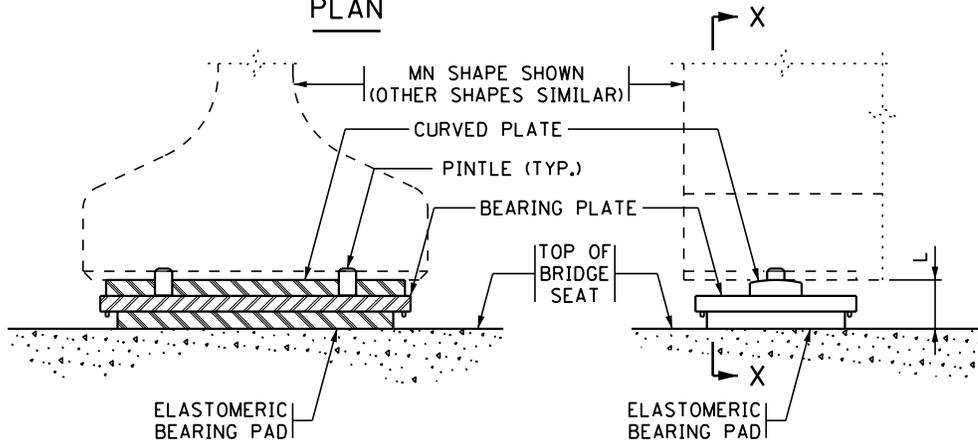


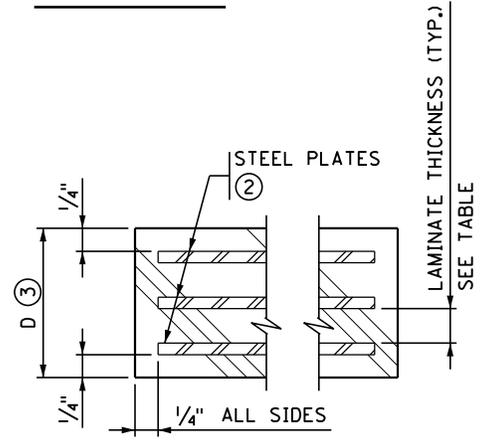
PLAN

SECTION Y-Y



SECTION X-X

SIDE ELEVATION



SECTION THROUGH ELASTOMERIC BEARING PAD

TABLE

ASSEMBLY TYPE	LOCATION	BEAM SIZE	BEARING PAD SIZE			STEEL PLATES		LAMINATES		SHAPE FACTOR	BEARING PLATE SIZE			CURVED PLATE SIZE				ASSY. HEIGHT	RESTRAINT PATTERN (4)
			A	B	D	NO.	THICK.	NO.	THICK.		C	E	F	G	H	J	R (1)		
		--RB, --M, MN--	12"	24"			1/8"		1/2"	8.0	14"	27"	1 1/2"	4 1/2"	26"	1 1/4"			A-1
		--MW	16"	36"			1/8"		3/4"	7.4	18"	39"	1 1/2"	4 1/2"	38"	1 1/4"			A-2
		--MH	12"	30"			1/8"		1/2"	8.6	14"	33"	1 1/2"	4 1/2"	32"	1 1/4"			A-3

NOTES:

- PROVIDE ELASTOMERIC MATERIALS AND PAD CONSTRUCTION IN ACCORDANCE WITH SPEC. 3741.
- PROVIDE STEEL PLATES IN ACCORDANCE WITH SPEC. 3306.
- PROVIDE PINTLES IN ACCORDANCE WITH SPEC. 3309.
- GALVANIZE STRUCTURAL STEEL BEARING ASSEMBLY AFTER FABRICATION IN ACCORDANCE WITH SPEC. 3394, EXCEPT AS NOTED.
- PAYMENT FOR BEARING ASSEMBLY INCLUDES ALL MATERIAL ON THIS DETAIL.

(4) REFER TO BEARING PAD RESTRAINT B-DETAIL FOR ADDITIONAL INFORMATION AND DETAILS.

*DESIGNER NOTE (REMOVE PRIOR TO PLOTTING FINAL PLAN):  
 INSERT TABLE VALUES AS NEEDED AND DELETE UNUSED DATA.  
 MINIMUM SIZE OF BEARING PAD,  
 12" x 24" FOR RB, M, & MN SHAPES  
 16" x 36" FOR MW SHAPES  
 12" x 30" FOR MH SHAPES  
 FOR PARAPET AND SEMI-INTEGRAL ABUTMENT BRIDGES ON GRADES EXCEEDING 3%, MODIFY THIS DETAIL TO PROVIDE A TAPERED BEARING PLATE PER DETAIL B309.  
 PER NOTE (4) INCLUDE B307 AND MODIFY AS NECESSARY.*

(1) THE MIN. RADIUS IS 16" UNLESS OTHERWISE SPECIFIED IN THE TABLE. THE MAX. RADIUS IS 24". FINISH TO 250 MICRO. THE FINISHED THICKNESS OF THE PLATE MAY BE 1/16" LESS THAN SHOWN.

(2) DO NOT GALVANIZE THESE PLATES.

(3) THE TOTAL THICKNESS SHOWN INCLUDES THE STEEL PLATES.

DESIGN DATA:

MAX. FACTORED SHEAR RESISTANCE:  
 - 50.3 KIPS PER 1 1/2" DIA. PINTLE

APPROVED: DECEMBER 20, 2018

STATE OF MINNESOTA  
 DEPARTMENT OF TRANSPORTATION

REVISED  
 10-22-2019

DETAIL NO.

*Kevin Weston*  
 STATE BRIDGE ENGINEER

CURVED PLATE BEARING ASSEMBLY  
 (PRESTRESSED CONCRETE BEAMS)  
 (EXPANSION)

B311