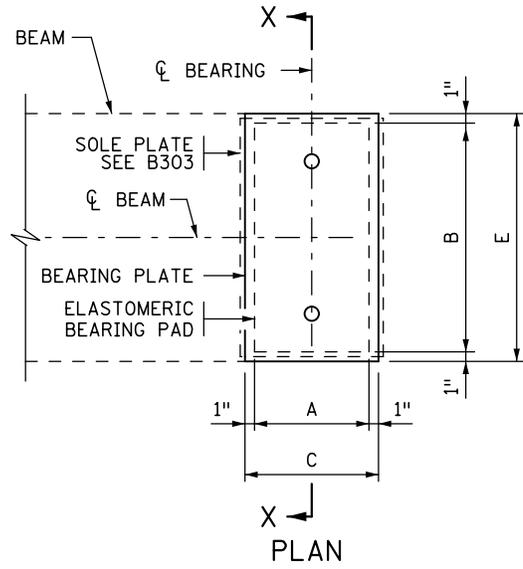
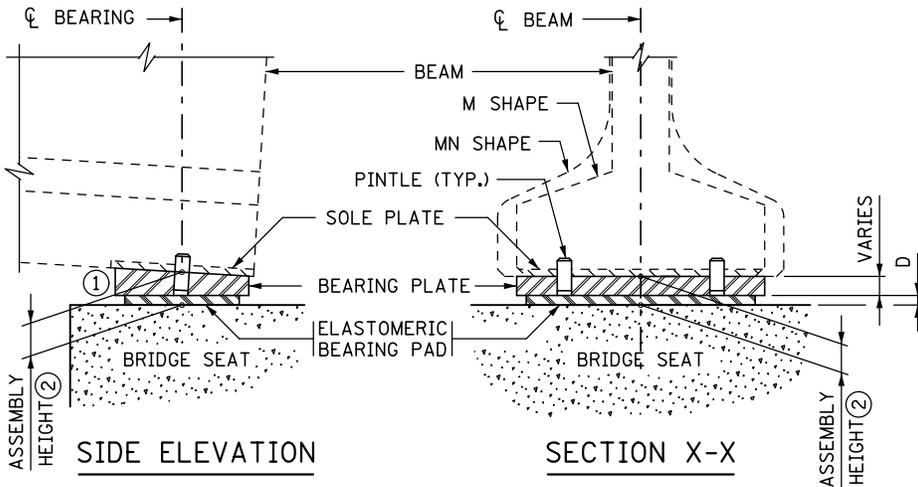


BEARING PLATE DETAIL



PLAN



SIDE ELEVATION

SECTION X-X

DESIGNER NOTE
 (REMOVE DESIGNER NOTE PRIOR TO PLOTTING FINAL PLAN):
 USE TAPERED PLATE FOR GRADES EXCEEDING 3%.
 MAINTAIN SAME TAPERED PLATE THICKNESS WITHIN 2% SLOPE INCREMENTS, I.E. 3-5% OR 4-6%.
 MINIMUM THICKNESS OF TAPERED PLATE IS 1/2".
 ROUND ASSEMBLY HEIGHT TO NEAREST 1/8".
 MODIFY FRAMING PLAN PER NOTE ①.
 USE 1/2" UNREINFORCED PAD WITH CONTINUITY DIAPHRAGMS OR INTEGRAL ABUTMENTS.

TABLE											
ASSEMBLY TYPE	LOCATION	BEAM SIZE	BEARING PAD SIZE			SHAPE FACTOR	BEARING PLATE SIZE				ASSEMBLY HEIGHT HT. ②
			A	B	D ③		C	E	F	G	
			12	24	1/2	8.0	14"	26"			

NOTES:

PROVIDE ELASTOMERIC MATERIALS AND PAD CONSTRUCTION PER SPEC. 3741.

PROVIDE STEEL PLATES PER SPEC. 3306.

PROVIDE PINTLES PER SPEC. 3309.

GALVANIZE STRUCTURAL STEEL BEARING ASSEMBLY AFTER FABRICATION PER SPEC. 3394.

PAYMENT FOR "TAPERED BEARING PLATE ASSEMBLY" IS PER EACH, AND INCLUDES ALL MATERIAL ON THIS DETAIL.

- ① MARK THICKER SIDE OF SLOPED PLATES WITH AN "H" FOR PLACEMENT. SEE FRAMING PLAN SHEET NO. ...
- ② BEARING PAD AND BEARING PLATE THICKNESS AT CL BEARING.
- ③ "D" INDICATES THE THICKNESS OF THE BEARING PAD.
- ④ 3/8" X 3/8" BAR INSTALLED ON BEARING PLATE AROUND PERIMETER OF BEARING PAD. BAR LENGTH IS 2" LESS THAN ADJACENT PAD DIMENSION, CENTERED ON PAD. CENTERLINE OF BAR TO EDGE OF PAD DIMENSION = 1/2".

APPROVED: FEBRUARY 27, 2013

Nancy Dubenberger
 STATE BRIDGE ENGINEER

STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION

TAPERED BEARING PLATE ASSEMBLY
 (FOR INTEGRAL ABUTMENTS OR PIERS WITH CONTINUITY DIAPHRAGMS)

REVISION
 11-03-2015

DETAIL NO.

B309