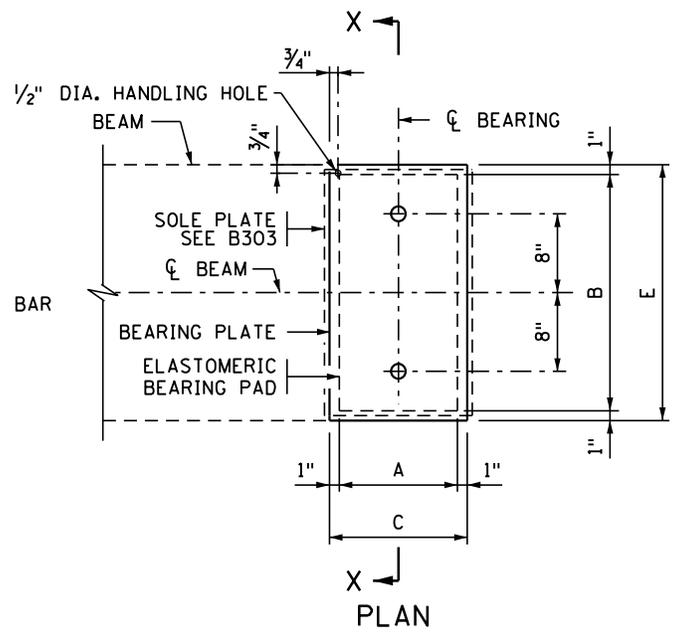
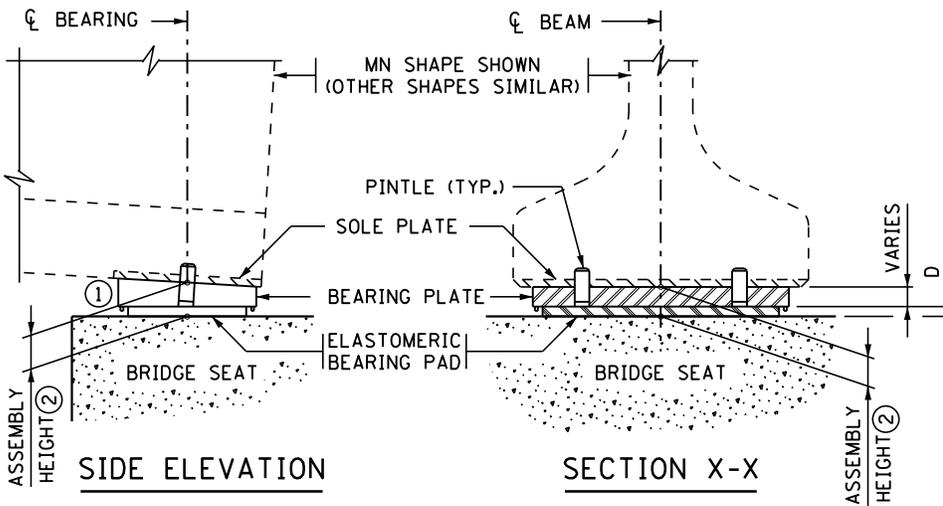


BEARING PLATE DETAIL



PLAN



SIDE ELEVATION

SECTION X-X

DESIGNER NOTE (REMOVE 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%.
 INSERT TABLE VALUES AS NEEDED AND DELETE UNUSED DATA.
 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.
 PER NOTE 4 INCLUDE B307 AND MODIFY AS NECESSARY.

TABLE												
ASSEMBLY TYPE	LOCATION	BEAM SIZE	BEARING PAD SIZE			SHAPE FACTOR	BEARING PLATE SIZE				ASSEMBLY HEIGHT HT. ②	RESTRAINT PATTERN ④
			A	B	D ③		C	E	F	G		
		--RB, --M, MN--	12	24	1/2	8.0	14"	26"				A-1
		--MH	12	30	1/2	8.6	14"	32"				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.

PAYMENT FOR TAPERED BEARING PLATE ASSEMBLY 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 ϕ BEARING.

③ "D" INDICATES THE THICKNESS OF THE BEARING PAD.

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

DESIGN DATA:

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

APPROVED: DECEMBER 20, 2018

STATE OF MINNESOTA
 DEPARTMENT OF TRANSPORTATION

REVISION
 10-22-2019

DETAIL NO.

Kevin Westrom
 STATE BRIDGE ENGINEER

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

B309