Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
DDDD	CCCC	RRRR	PPPP	????	#####

REGISTERED CIVIL ENGINEER — DATE X

MM/DD/YYYY
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

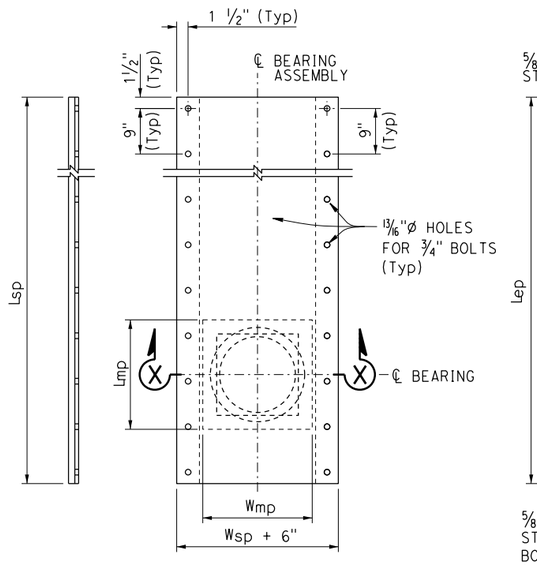
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

THE REGISTERED CIVIL ENGINEER FOR THE PROJECT IS RESPONSIBLE FOR THE SELECTION AND PROPER APPLICATION OF THE COMPONENT DESIGN AND ANY MODIFICATIONS SHOWN.

SLIDING BEARING TABLE

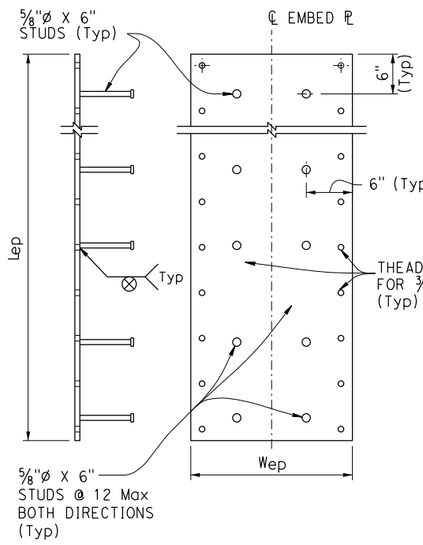
LOCATION	MAXIMUM VERTICAL LOAD(kips) (SEE NOTE 5)	MINIMUM VERTICAL LOAD(kips) (SEE NOTE 6)	MAXIMUM HORIZONTAL LOAD(kips) (SEE NOTE 7)	DESIGN ROTATION (Radians)	CONCAVE PLATE					CONVEX PLATE			MASONRY PLATE			SOLE PLATE			VERTICAL CLEARANCE	ASSEMBLY HEIGHT
					WIDTH / LENGTH	FLAT PTFE AREA	DIAMETER			SPHERICAL RADIUS	DIAMETER	MAXIMUM THICKNESS	WIDTH	LENGTH	THICKNESS	WIDTH W_{sp} (SEE NOTE 12)	LENGTH	THICKNESS		
					L_{cp}	A_{PTFE}	D_m	T_1	T_2	R	C_m	H_{act}	W_{mp}	L_{mp}	T_{mp}		L_{sp}	T_{sp}	C(min)	A_h

NOTES:
1. All dimensions in inches
2. H_{act} includes stainless steel
3. A_h includes PTFE, substratum and stainless steel
4. R is to sliding surface
5. Maximum unfactored vertical load per bearing
6. Minimum unfactored vertical load per bearing
7. Maximum unfactored horizontal load per bearing
8. Not all shear studs and convex ℄ removal notches shown for clarity
9. 10 GA stainless steel full perimeter fillet weld to carbon steel
10. Notch in masonry plate for convex plate removal
11. Fill gap around convex plate with silicone sealant
12. Total sole plate width is equal to W_{sp} + 6". Horizontal dimensions of embed plate match those of sole plate
13. Bearing must be set level.
14. T_{sp} does not include the thickness of the stainless steel plate



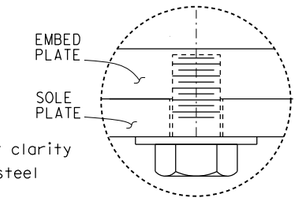
SIDE VIEW PLAN

SOLE PLATE

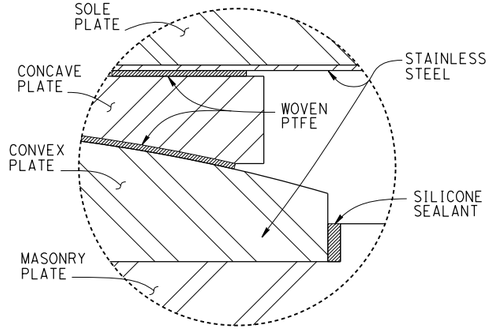


SIDE VIEW PLAN

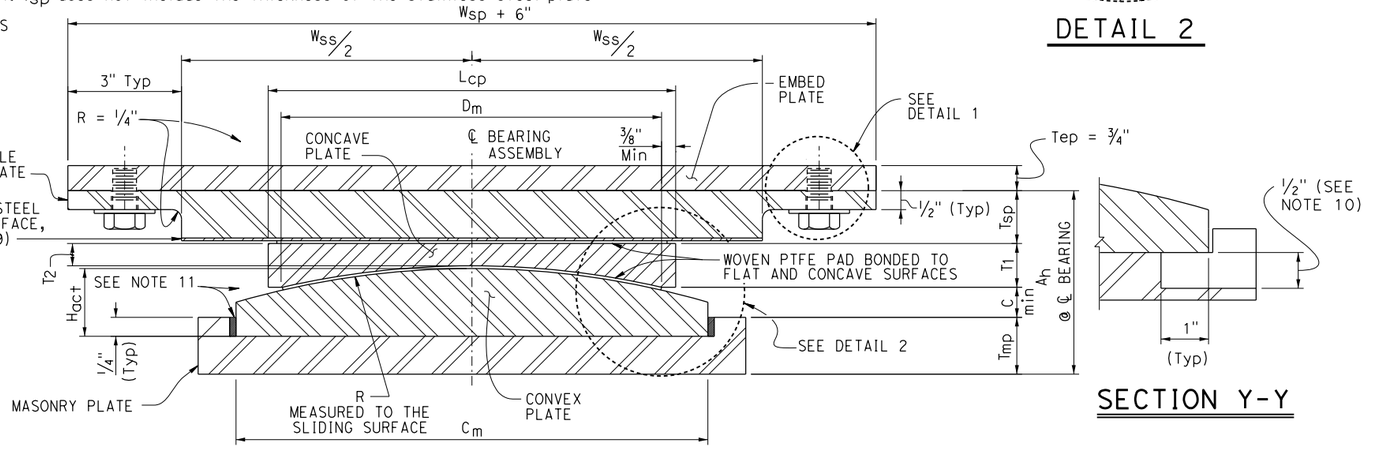
EMBED PLATE



DETAIL 1



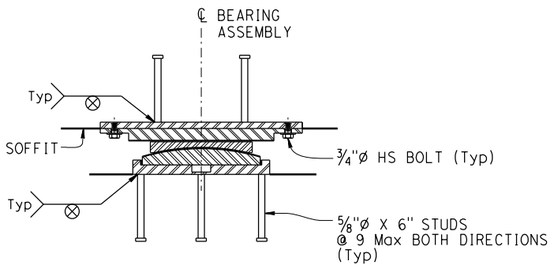
DETAIL 2



SECTION X-X

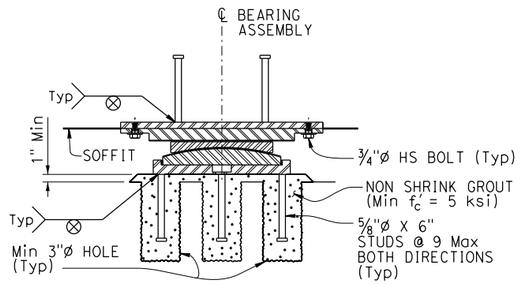
(SEE NOTE 8)

SECTION Y-Y



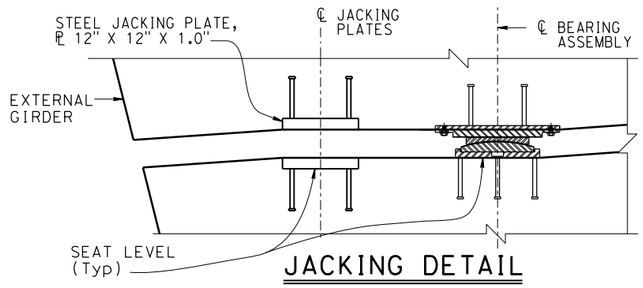
ELEVATION - OPTION 1

(SEE NOTE 8)



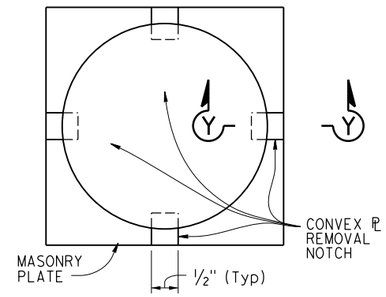
ELEVATION - OPTION 2

(SEE NOTE 8)



JACKING DETAIL

(SEE NOTE 8)



MASONRY PLATE PLAN

NO SCALE

BRIDGE STANDARD DETAILS		
xs9-020 (FILE NO.)	April 2020 (APPROVAL DATE)	*The components of the Bridge Standard Details have been prepared under the responsible charge of the Technical Owner, a registered civil engineer in the State of California*

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

BRIDGE No.	
X	
POST MILE	
X	

PTFE SPHERICAL BEARING DETAILS

Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: X
PROJECT NUMBER & PHASE: X
CONTRACT No.: X

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
2-10-20				1	1