

1. Core 10"Ø hole parallel to girders for 8"Ø XX-Strong pipe.
2. Place pipe ¾" down from top of cored hole along the entire length and grout annulus space around the support end of pipe prior to placing bolster concrete. Seal end of grouted region to prevent grout from entering hinge opening.
3. Adjust bolster reinforcement to accommodate bridges with skewers.
4. If equalizer bolts are encountered, adjust cored hole horizontally to clear bolts by 6".
5. Galvanize 8"Ø XX-Strong pipe.
Paint inside drilled holes, ends, and outside surfaces of pipe that are not galvanized with zinc rich primer.
6. Block out bolsters to allow drainage of soffit vents as needed.
7. Use thread locking system. Torque to 300 ft-lb minimum.
8. Adjust C of drilled hole for HS Threaded Rods so the tip of Rod has 2" minimum cover concrete.



DETAIL A



PART PLAN

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

BRIDGE STANDARD DETAILS		DESIGN	BY X	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION				DIVISION OF ENGINEERING SERVICES		BRIDGE No.	X 300 kip PIPE SEAT EXTENDER (RETROFIT)																						
xs7-081 FILE No.		DETAILS	BY X	CHECKED X							XX-XXXX																							
AUGUST 2026 APPROVAL DATE		QUANTITIES	BY X	CHECKED X							POST MILE X.X																							
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail-sheets/index.html					DATE PLOTTED => 6-AUG-2026 FILE => xs7-081.dgn		TIME PLOTTED => 11:12 USERNAME => s148360		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0		1		2		3		UNIT: XXXX PROJECT NUMBER & PHASE: XXXXXXXXXX1		COUNTY/ROUTE/ZONE: XXX/XXX/X CONTRACT No.: XX-XXXXX4		DISREGARD PRINTS BEARING EARLIER REVISION DATES		07-22-26						X		X	