

- NOTES:
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 skewes.
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.



LEGEND:
----- Existing Structure

BRIDGE STANDARD DETAILS		DESIGN	BY X	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No.	X					
xs7-082 FILE No.	AUGUST 2026 APPROVAL DATE	DETAILS	BY X	CHECKED X			XX-XXXX						
		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 => xs7-082.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	BEARING DATE	REVISION DATES 07-22-26	SHEET X	OF X