Indicates existing structure.

HINGE JOINT BEARING

#5 @ 12

18" AROUND PIPE SPACE EVENLY OUTSIDE FACE

INSIDE AND #5 @ 12 AND BELOW PIPE SPACE 4" ABOVE #5 Tot 4

TOP AND BOTTOM #5 Tot 4

WAYS BOND @ 12 BOTH #5

DRILL & 1'-0"

5 " 31

HOLE PIPE = A

SEE NOTE 2

SEE NOTE 1

GROUT CLARITY NOT SHOWN FOR BOLSTER Reinforcement

SEE DETAIL "A"

BOLTED PIPE SEAT EXTENDER NOTES

10" Ø HOLE STRONG PIPE 8" Ø XX

PART PLAN

ANGLE TO ACCOMMODATE RODS AS NEEDED

HS THREADED ANGLE. ADJUST BOLSTER ANGLE TO MATCH CUT END OF PIPE SEAT EXTENDER (RETROFIT)

BRIDGES WITH SKEWS

1. Core 10"Ø hole parallel to girders for 8" Ø XX Strong pipe.

2. Place pipe 3/4" down from top of core hole along the entire length and grant annulus space around the support end of pipe prior to placing bolster concrete. Seat end of grouted region to prevent grout from entering hinge opening.

3. Adjust bolster reinforcement to accommodate bridges with skews.

4. If equalizer bolts are encountered, core 10"Ø hole to allow for 300 ft-lb min. of drilled hole for HS Threaded bolts.

5. Galvanize 8" Ø XX Strong pipe.

6. Block out bolsters to allow drainage of softfills as needed.

7. Use thread locking system. Torque to 300 ft-lb min.

8. Adjust 8 of drilled hole for HS Threaded bolts so the tip of rod has 5" with cover concrete.

NORCAL PIPE SEAT EXTENDER NOTES

1. Core 10"Ø hole parallel to girders for 8" Ø XX Strong pipe.

2. Place pipe 3/4" down from top of core hole along the entire length and grant annulus space around the support end of pipe prior to placing bolster concrete. Seat end of grouted region to prevent grout from entering hinge opening.

3. Adjust bolster reinforcement to accommodate bridges with skews.

4. If equalizer bolts are encountered, core 10"Ø hole to allow for 300 ft-lb min. of drilled hole for HS Threaded bolts.

5. Galvanize 8" Ø XX Strong pipe.

6. Block out bolsters to allow drainage of softfills as needed.

7. Use thread locking system. Torque to 300 ft-lb min.

8. Adjust 8 of drilled hole for HS Threaded bolts so the tip of rod has 5" with cover concrete.

LEGEND

- Indicates existing structure.

FILE =>

USERNAME =>

TIME PLOTTED =>

DATE PLOTTED =>

Cover concrete.

Rods so the tip of Rod has 2" min.

Adjust of drilled hole for HS Threaded bolts.

300 ft-lb min.

Thread locking system. Torque to 300 ft-lb min.

Adjust 8 of drilled hole for HS Threaded bolts so the tip of rod has 5" with cover concrete.

Core 10"Ø hole parallel to girders for 8" Ø XX Strong pipe.