**PIPE EXTENDER ELEVATION**

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

2. Place pipe 3/4" 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, and grout to prevent grout from entering hinge opening.

3. Adjust bolster reinforcement to accommodate bridges with skews.

4. If equalizer bolts are encountered, adjust cored hole horizontally to accommodate bridges with skews.

5. Galvanize 8"Ø XX Strong pipe.

6. Block out bolster to allow drainage of soft soils as needed.

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

8. Adjust cored hole for HS Threaded bolts so the tip of bolt has 2" min cover concrete.

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**LEGEND**

- Indicated existing structure.

**DETAIL "A"**

- Paint inside drilled holes, ends, and outside surfaces of pipe that are not galvanized with zinc rich primer.

- Block out bolster to allow drainage of soft soils as needed.

- Use thread locking system, torque to 300 ft-lb min.

- Adjust cored hole for HS Threaded bolts so the tip of bolt has 2" min cover concrete.