**SUGGESTED REPAIR DETAIL**

Insert cold asphalt or other repair medium, pack down with pin to ensure hole is filled & air pockets are removed.

**DRILL 1 1/2" Ø HOLE**

Clear debris from hole, insert nut, anchor, & washer assembly. Allow to cure, tighten nut to 100 - 120 ft-lbs.

**TYPICAL ALL THREAD ROD ANCHOR DETAIL**

Ref: E-1000-1 & E-1001-1

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**TYPICAL PIN ANCHOR DETAIL**

Ref: E-1000-1 & E-1001-1

**NOTES:**

1. For anchor locations refer to E-1000-1 & E-1001-1
2. Anchorage in asphalt requires 1/2" x 1-1/2" pins (ASTM A-36) as shown in drilled 1/2" hole. Min. depth of asphalt to be 6" over compacted subbase. Drill through asphalt only, then insert pins.
3. Anchorage in concrete using pins requires 1/2" x 1-1/2" pins (ASTM A-36) as shown, in drilled 1/2" holes with a minimum depth of 9" of concrete. Drill through concrete only, then insert pins.
4. For anchorage on bridge deck or in concrete, 1/2" x 1-1/2" all thread anchor (ASTM -4320) may be used, with 6" minimum embedment and 6" minimum edge distance. For anchoring in bridge decks less than 8" consult manufacturer.
5. 1/2" thick plate washer must be used under head of pin and under nut of all thread.
6. For radii until, anchor on concave side of ZONEGUARD at locations shown on E-1001A, type of anchor per notes above.
7. ZONEGUARD shall not be anchored into an earth or dirt surface. For installations on surfaces other than concrete or asphalt contact the manufacturer.
8. FMMA acceptance letter allows for alternative anchoring configurations certified by the manufacturer.
9. If traffic is only on one side of the barrier anchoring configurations on traffic side only may be considered with manufacturer's authorization.
10. For supplemental information on anchoring refer to the installation manual.