1. REMOVE DAMAGED CONCRETE AND CLEAN STEEL AS PER STANDARD KRI REPAIR METHODS.

2. ENSURE EXPOSED REINFORCING STEEL IS SECURELY FASTENED WITH TIE WIRE TO PROVIDE GOOD ELECTRICAL CONTINUITY.

3. ATTACH GALVASHIELD XP2 ANODES TO CLEAN STEEL AT AN EVEN SPACING WITHIN THE REPAIR AREA PLACE THE ANODE AS CLOSE AS POSSIBLE TO THE INTERFACE BETWEEN THE REPAIR AND THE PARENT CONCRETE (WITHIN 4 INCHES, 100MM) WHILE STILL ALLOWING THE REPAIR MATERIAL TO ENCASE THE ANODE.

4. GALVASHIELD XP2 ANODES ARE TO BE INSTALLED PER THE DESIGN DRAWINGS AND SPECIFICATIONS ALONG THE PERIMETER OF THE REPAIR AREA AFTER ALL CHLORIDE CONTAMINATED CONCRETE HAS BEEN REMOVED. ADDITIONALLY, IF ANY CHLORIDE CONTAMINATED CONCRETE REMAINS WITHIN OR BELOW THE REPAIR AREA AND IS IN CONTACT WITH ANY LAYER OF REINFORCING STEEL, THEN IT MAY BE NECESSARY TO PLACE GALVASHIELD XP2 ANODES IN A GRID PATTERN WITHIN THE INTERIOR OF THE REPAIR AREA.

5. TEST ELECTRICAL CONTINUITY OF THE REINFORCING STEEL BEFORE INSTALLATION AND REPAIR AS NECESSARY. TEST ELECTRICAL CONTINUITY OF ANODE CONNECTION TO REINFORCING STEEL AFTER INSTALLATION. A DC VOLTAGE MEASUREMENT OF ≤1mV CONFIRMS CONTINUITY.

6. POUR BACK REPAIR AREA WITH COMPATIBLE REPAIR MATERIAL AS PER PROJECT SPECIFICATIONS.
**Installation Step #1**

1. Place anode parallel to and snug against the rebar.
2. Feed one wire over rebar.
3. Feed one wire under rebar.
4. Clean reinforcing steel (rebar).

**GALVASHIELD XP2**

**Anode Orientation Note:** Anodes may be installed as shown with the wider side on the bottom or may be rotated 180-degrees to have the wider side at the top.

**Installation Step #2**

1. Full wire tightly over rebar wrapping one full revolution outward from anode and then to back of rebar as shown.
2. Clean reinforcing steel (rebar).
3. Bend twisted wires against the rebar.

**GALVASHIELD XP2**

**Installation Step #3**

1. Twist the wires together and then twist tight with a wire hook until all wire is tight to the rebar. Then confirm wires are continuous to rebar using a multimeter.
2. Clean reinforcing steel (rebar).

**GALVASHIELD XP2**

**Installation Step #4**

1. Galvashield XP2 anode (100mm X 34mm X 32mm)
2. Full wire tightly under rebar wrapping one full revolution outward from anode and then to back of rebar as shown.
3. Clean reinforcing steel (rebar).

**GALVASHIELD XP2**

**Galvashield Anodes**

**Corrosion Protection**

**Vector Corrosion Technologies**

800 Winchester Road, Suite 175, Lexington, KY 40505

Phone: 813-830-7566

vector-corrosion.com

6/12/23 S.Y.
1. **Alternate Installation at Rebar Intersection**

   - **Scale:** N.T.S.

   - **Instructions:** Feed wires over & under bars as shown. Twist wires tight and test continuity per steps on CP 1.1.

   - **Anode Orientation Note:** Anodes may be installed as shown with the wider side on top, or may be rotated 180-degrees to have the wider side at the bottom.

2. **Section at Anode**

   - **Scale:** N.T.S.

   - **Instructions:** Clean reinforcing steel (rebar). Wire hook tool. Anode wires twisted tight to rebar w/ a wire hook tool and then bent down to rebar per sheet CP 1.1. Anode wire wrapped over rebar. Anode wire wrapped under rebar (at opp. end of anode).