

Choosing the Right Culvert Repair Solution



The Federal Highway Administration maintains a database of information on all bridges and tunnels in the United States that have roads passing above or below—the National Bridge Inventory—which also includes 129,000 culverts.

According to the 2009 National Bridge Inventory, 77.4% of all culverts in the United States require repair. Although only 2% are in significantly degraded condition, steps to mitigate damage early on can significantly extend the lifetime and improve the performance of a culvert.

Milliken Infrastructure Solutions maintains a number of products specifically designed to rehabilitate culvert infrastructure that can be used independently or in conjunction to solve a variety of challenges.

Find the right repair solution for your project in the recommended repair chart below.

| TYPE OF DAMAGE | | RECOMMENDED REPAIR | | | | TYPE OF DAMAGE | | RECOMMENDED REPAIR | | | |
|------------------------------------|---|--------------------|-----------|----------|----------|--------------------------------|--|--------------------|-----------|----------|----------|
| | | Concrete Cloth™ | GeoSpray® | GeoPlug™ | GeoFuse™ | | | Concrete Cloth™ | GeoSpray® | GeoPlug™ | GeoFuse™ |
| CORRUGATED METAL PIPE (CMP) | | | | | | CONCRETE | | | | | |
| Scour of Invert |  | ✓ | ✓ | | | Pitting of Invert |  | | ✓ | | |
| Shape Deformations |  | | ✓ | | | Cracks |  | | ✓ | | ✓ |
| Joint Failures & Misalignment |  | | ✓ | ✓ | | Joint Failures & Misalignments |  | | ✓ | ✓ | |
| Inlet/Outlet Erosion |  | ✓ | | | | Inlet/Outlet Erosion |  | ✓ | | | |
| | | | | | | Deterioration/ Rebar Corrosion |  | | ✓ | | |

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