

Crawfordsville and Cloverdale, Indiana DOT Culvert Reline with Weholite



Indiana is one of the most active states in culvert rehabilitation. For safety reasons, the Indiana Department of Transportation (IN DOT) realized they needed to take aggressive measures to rehabilitate the many miles of existing large diameter metal pipes under their highways. Many of the existing culverts are severely corroded with some resulting in the loss of backfill and over-deflection that creates depressions and potholes in the road surface above. In addition, the possibility of a culvert collapsing only raised the level of risk to life and property.

For several years Weholite has been a popular choice for large diameter (up to 120-inch diameter) culvert rehabilitation projects. By relying upon Weholite's exceptional stiffness, IN DOT can bring a deteriorating culvert back to the full structural integrity required to handle demanding highway traffic loads. Weholite is corrosion resistant and easy to install providing significant life-cycle cost savings compared to other piping options.

120-inch diameter Weholite was chosen to rehabilitate an arch multi-plate bridge structure. This was a more cost effective option resulting in a structurally sound overpass. 84-inch Weholite was used to line 220 feet of an existing 100-inch diameter culvert and 72-inch diameter Weholite was used to reline 345 feet of an 86-inch culvert. Each culvert was completed in 2-3 days without the creation of traffic disruptions in this heavily congested area.

Grouting completed to finish the reline of 72" Weholite.

Projects:

Indiana Route 56, Culvert Reline, Cloverdale, IN
 Crawfordsville and Cloverdale, IN

Owner:

Indiana Department of Transportation

Applications:

72" x 300', 84" x 375',
 120" x 50' Culvert Reline

Contractor:

Indiana Reline Mooreland, IN