

Berthoud Pass, Colorado

Culvert Reline with Weholite



Drivers journeying along Colorado Highway US 40 across Berthoud Pass were unaware of unseen danger. A severely corroded 48-inch diameter metal culvert that was located under the highway was in distress. Fortunately, the Colorado Department of Transportation had identified the failing culvert and had begun corrective actions. Since US 40 is the only direct route between Denver and popular resort towns, the option of removing and replacing this culvert would have been inconvenient and expensive. Instead, it was determined that the culvert would be relined and Weholite was the pipe of choice for the project.

The existing 48-inch diameter culvert was 270 feet long and was sliplined with 36-inch Weholite. Working conditions along the side of the road were tight which limited the type of equipment that could be employed. In addition, the surrounding mountainous terrain and steep slopes required the work areas around the culvert to be shored.

Lightweight Weholite was manufactured in custom short lengths which enabled the contractor to easily negotiate the close working conditions. The contractor was able to maneuver the 45' lengths into position using only a small track hoe. All the joints were extrusion welded at the site and the completed project took only a couple of days. Best of all, there was no disruption to traffic during the entire project.



Maneuvering Weholite in tight quarters.

Project:
US 40 Culvert Reline
Berthoud Pass, Colorado

Owner:
Colorado DOT

Application:
Reline one 270' 48" CMP
Culvert with 36" RSC 250
Weholite

Contractor:
American West Construction
Denver, Colorado