

SCAR-GUARD™

12" OD FIELD JOINTS

USA, JANUARY 2011



Problem

A 64-year-old section of natural gas pipeline, attached to a street bridge on the outskirts of downtown Houston, must be replaced to improve the reliability and integrity of the system.

Conditions

The crew faced numerous challenges, including boring a 1,200' (365.8m) channel for the new 12" gas line running 85' (25.9m) under Buffalo Bayou. The replacement line was placed beneath the bayou to avoid compromising the bridge structure. Unfortunately for the crew, the bayou wraps around Houston's downtown skyline district and forced workers to maneuver large equipment and materials around traffic, as well as in areas with limited space.

Solution

With the clock ticking, the crew didn't have time for machine-applied systems or slow-curing field joint compounds. Scar-Guard™ composite reinforced coating was applied as abrasion protection for the specified cold-applied corrosion tape. Both the corrosion tape and the Scar-Guard were quickly hand-applied. The fast-curing Scar-Guard resin system kept the job rolling.

Result

Integrity issues with the field joint coating in an inaccessible line such as this are unacceptable. Scar-Guard provided the necessary added protection to ensure a 100% protected pipe and a successful job. The Scar-Guard System survived the pull-back fully intact.

