



FIBRWRAP®

Worldwide Specialized Contractors

Strengthening Structures | Protecting Lives Worldwide.



Transportation



Buildings



Pipelines



Waterfront



Industry



Howard County, pipe strengthening, Howard County, USA.

Howard County, MD receives one third of its water supply by means of the Southwest Transmission Main, a 10-mile long pipeline ranging in size from 66-inch to 36-inch. In 2006, the County conducted a visual and electromagnetic inspection of 3000-ft of its 36-inch pipe as a railroad was going to be built on top of it by CSX Transportation. Structural deficiencies in the pipe could result in a catastrophic failure of the planned railroad and the three existing parallel rail lines. It was found that 23 sections of the inspected 36-inch line had broken wires and were structurally unsound.

Feasibility studies showed that traditional remove-and-replace option for the distressed pipe sections would take 4 to 6 months. With Fibrwrap®, it could be performed in less than a month, at half the price of the traditional method. Construction of the railroad could not begin until the deficient pipe sections were fully structurally retrofitted.

To meet the critical time constraints, Fibrwrap® Construction began working on an aggressive 12 hours per day, 7 days per week work schedule. The project was completed in 23 days and within budget. Construction of the train track was begun within 2 days of the completion of the Fibrwrap® retrofit project.

Project: Howard County, pipe strengthening

Location: Howard County, USA.

Client: Howard County

Contract Duration: 23 days

Scope of Works:

- Repair of 23 sections of 36" PCCP pipeline

