



DOWAKSA CarbonWrap®

CASE STUDY

CENTRAL ARIZONA PROJECT
PHOENIX, ARIZONA

RETROFITTING PIPE FROM THE INSIDE OUT

Problem

An examination of a 9-foot diameter prestressed concrete cylinder pipe (PCCP) carrying water from the Colorado River to southern Arizona revealed a number of sections with broken prestressing wires. Due to the extended downtime and excavation costs, replacement of the pipes was not an attractive solution.

Solution

Wrapping the interior of the pipes with DowAksa CarbonWrap® seemed to be a very cost-effective and attractive solution. It was presented to the client and was selected as the method of choice for the pipe retrofit project.

Approximately ten pipe segments were strengthened using DowAksa CarbonWrap® technology on time and within budget for the Central Arizona Project Authorities.



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