

Repair of Corrosion-Damaged Columns Using PileMedic™

A Patent-Pending Technology Developed by QuakeWrap, Inc.

- These columns support existing transmission lines in an operating substation, and replacement or traditional repair was impossible without a temporary shutdown of the substation and disruption to the local grid.
- The rehabilitation of 31 columns was completed in 5 working days, with the lines and towers continuing to operate normally throughout the period of repair, and with no need for electrical shutdowns, switch-overs, or other interruptions to normal service and operations of the substation.
- The axial capacity of the columns was increased from approximately 189 tons to 671 tons!



Corrosion-damaged column



Cut an opening at 30-inch above grade



Fill the inside of the column with grout



Cut a piece of PileMedic™, apply epoxy & wrap ...



... around the column to create a 36-inch high shell



Use ratchet straps to support shell temporarily



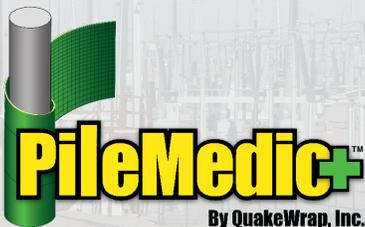
Insert drain pipe (if required)



Fill the annular space with grout & vibrate



Remove ratchet straps & paint jacket (if desired)



520-791-7000
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