

# 2005 EXCELLENCE IN HOT-DIP GALVANIZING INDUSTRIAL

## MOKULMNE AQUEDUCT SEISMIC UPGRADE



Oakland, CA

**CH2M Hill**  
Engineer

East Bay Municipal  
Utility District  
Specifier



Over 420 tons of hot-dip galvanized steel was used in the tight-schedule construction of this Oakland aqueduct. Located in an environment of high humidity and rainfall, hot-dip galvanized structural steel and fasteners were used in the structural supports for the 10.5 miles of pipeline, replacing those that were corroded and ultimately lead to the project's redesign.

To avoid the extremely high shutdown costs associated with repairs, hot-dip galvanizing was the logical, economical, and imperative choice for the long-term performance of this aqueduct.

Of note . . . this project's structural supports—specifically designed to reduce the seismic load on the aqueduct—won a structural engineering design award for innovation.