

Project Brief

South Coast Water District Concrete Repair and Column Strengthening



Long Beach, CA
2009



Several reinforced concrete columns in an underground water tank at the South Coast Water Reservoir suffered from corroded confinement steel and demonstrated spalled concrete due to inadequate concrete cover and water exposure.

The Tyfo® Concrete Repair System was used to repair and re-patch the loose unsound concrete with a new polymer modified cement mortar, and to also treat the corroded steel with a corrosion inhibitor. Two layers of the carbon-based Tyfo® SCH-41 System were then applied to provide an equivalency to the corroded steel, restoring the columns back to their original design capacity and also serving as protection from future corrosion.

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