

Compton Hill Reservoir Tower

City of St. Louis Water Division

Location

St. Louis, Missouri

Construction Completion

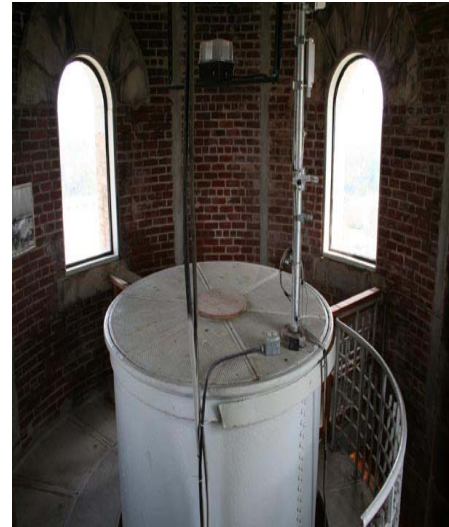
1999

Construction Cost

\$250,000

DMA Services Provided

Structural Engineering



The Compton Hill Water Tower was originally constructed over century ago to provide pressure relief in the water distribution system. The 180 feet tall tower constructed from a combination of limestone and brick, with an interior cast iron circular staircase and cast iron floor plates at the immediate levels, required a complete interior and exterior renovation. It is constructed from a combination of limestone and brick, with an interior cast iron circular staircase and cast iron floor plates at the immediate levels. The steel stairs deteriorated considerably, water damage and deteriorating stone work had produced a side crack in the masonry on the east side.

The role of David Mason & Associates as the structural engineer for this project was to inspect the entire structure, provide a report of all structural and non-structural deficiencies, and to provide a complete set of construction documents for the repair and restoration.

Electronic imaging of existing drawings was utilized to provide an accurate existing structure background for the bid documents. As part of the reservoir improvements project, the water tower was restored to preserve its historical value.

