PERSONNEL QUALIFICATIONS

Ann Harrer | Principal

EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Civil Engineering, 2003
  - Master of Science, Civil Engineering, 2005

PRACTICE AREAS

- Repair and Rehabilitation Design
- Condition Assessment
- Historic Preservation
- Failure Investigation
- Materials Evaluation
- Concrete Deterioration

REGISTRATIONS

- Civil Engineer in AZ, CA and NV
- Professional Engineer in MA

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI) - Southern California Chapter
- Association for Preservation Technology International (APT) - Western Chapter
- International Concrete Repair Institute (ICRI)

TECHNICAL COMMITTEES

- ACI 364 - Rehabilitation (Chair)
- ACI 515 - Protective Systems
- ACI 546 - Repair of Concrete

CONTACT

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EXPERIENCE

Ann Harrer has significant experience assessing and repairing existing building materials, particularly concrete building and structural elements, with a specialty in the conservation and preservation of architecturally significant and heritage concrete structures. In addition to her concrete building experience, she has broad expertise in the assessment and repair of brick masonry, terra cotta, cast stone, and wood. Her work includes investigations, analyses, repair design development, and construction observations for structural and nonstructural elements in the built environment.

Ms. Harrer has authored multiple papers and articles and has presented topics related to the assessment, conservation, and repair of concrete structures and other building materials. She is a past president of the American Concrete Institute, Southern California chapter. She is also the 2019 recipient of the American Concrete Institute Young Member Award for Professional Achievement.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Loews Santa Monica - CA: Investigation, repair design, and construction administration for post-tensioned concrete parking garage
- Santa Ana Federal Building - CA: Assessment, repair design, and construction administration for architectural precast concrete structure
- Santa Monica Clock Tower Building - CA: Facade assessment, repair recommendations and drawings, and observation of concrete facade repairs
- USC Pacific Asia Museum - Pasadena, CA: Moisture intrusion investigation at below-grade concrete walls; water management repair design at historic building
- Beverly Wilshire Hotel, Beverly Wing - Beverly Hills, CA: Inspection, repair design, and construction observation for concrete balcony repairs
- Harbor Towers - Boston, MA: Inspection of existing conditions, development of repairs, and testing of water-resistant coating of concrete facade

Condition Assessment

- Sixth Street Viaduct - Los Angeles, CA: Assessment of concrete elements during construction, including nondestructive evaluation and laboratory testing
- City-Owned Parking Garages - Pasadena, CA: Condition assessment and repair recommendations for nine concrete garages
- The Ritz-Carlton, Laguna Niguel - Dana Point, CA: Investigation of deterioration at post-tensioned concrete parking garage; repair development
- Multifamily Complexes - Multiple Locations, CA: Condition assessments of building exterior elevated elements in conformance with California Senate Bill 721
- Central Artery/Tunnel Project (The Big Dig) - Boston, MA: Inspection of various elements of Sumner and Callahan tunnels and assistance in writing and developing eleven-volume final report

Historic Preservation

- Salk Institute for Biological Studies - La Jolla, CA: Investigation, repair design, and construction observation for teak wood window conservation project; investigation and development of architectural concrete repair protocol
- John Anson Ford Theatre - Los Angeles, CA: Repair documents for concrete restoration of the historic amphitheater
- Los Angeles National Cemetery - CA: Historic preservation, structural engineering, and exterior rehabilitation of six structures
- U.S. Grant Hotel - San Diego, CA: Development of repair approach for historic concrete facade of National Register property
- The Bollman House - Los Angeles, CA: Historic structures report preparation and Mills Act program assistance
- The Freeman House - Los Angeles, CA: Development of protocol to restore concrete textile blocks for National Register property
- Hoover Dam Monument Plaza - Clark County, NV: Repair design development for reconstruction of historic terrazzo plaza and associated elements
- Fenway Park - Boston, MA: Development of concrete repair procedures to match historic architectural seating bowl concrete originally constructed in 1912 and 1934