



PERSONNEL QUALIFICATIONS

Ann Harrer | Associate 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
- Materials Investigation
- Field Inspection
- Historic Preservation
- Concrete Deterioration
- Nondestructive Testing
- Structural Investigation

REGISTRATIONS

- Civil Engineer in CA
- Professional Engineer in MA

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- Association for Preservation Technology International - Western Chapter
- International Concrete Repair Institute

TECHNICAL COMMITTEES

- ACI 364 - Rehabilitation
- ACI 546 - Repair of Concrete

CONTACT

aharrer@wje.com
626.696.4650
www.wje.com

EXPERIENCE

Ann Harrer has broad-based experience with the assessment of existing building facades, historic preservation, materials testing, and field inspections. She has been involved with the investigation of and restoration of historic and architecturally significant structures. Ms. Harrer has experience with different building materials including brick, terra cotta, marble, limestone, cast stone, as well as concrete building facade and structural elements. In addition to performing construction observations, she has performed investigations, analysis, and development of repair design in structural and nonstructural elements of structures.

Ms. Harrer previously interned at WJE's headquarters while pursuing her master's degree in civil engineering. While at the University of Illinois at Urbana-Champaign, she studied and researched concrete structural design with regular reinforcement and precast/prestressed elements, concrete mix design, concrete durability, and various nondestructive evaluation techniques.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Fenway Park - Boston, MA: Inspection and construction observation during concrete seating bowl repairs and work in sections of the park constructed in 1912 and 1934
- Beverly Wilshire Hotel, Beverly Wing - Beverly Hills, CA: Inspection, repair design, and construction observation for repairs
- Harbor Towers - Boston, MA: Inspection of existing conditions, development of repairs, and testing of water-resistant coating of concrete facade

Materials Investigation

- Field evaluation of structurally deficient composite wood floor-polymer decking used in residential applications throughout New England
- Water Tower Place - Chicago, IL: Strength testing, accelerated weather testing of marble panels, and research of marble deterioration

Field Inspection

- 111 Westminster - Providence, RI: Survey of facade and removal of loose cast stone
- Boston Housing Authority - MA: Inspection of various properties for building envelope deterioration and sources of water infiltration
- Central Artery/Tunnel Project (The Big Dig) - Boston, MA: Inspection of various elements of the Central Artery/Tunnel Project and Sumner and Callahan tunnels, and assistance in the writing and development of the eleven-volume final report

Historic Preservation

- Ford Theatres - Los Angeles, CA: Development of repair documents for concrete restoration of the amphitheater's interior
- Fairmont Copley Hotel - Boston, MA: Preparation of construction documents and construction phase services for terra cotta facade element repairs
- Fenway Park - Boston, MA: Development of concrete repair procedures to match historic architectural seating bowl concrete originally constructed in 1912 and 1934