PERSONNEL QUALIFICATIONS

Paul E. Gaudette | Principal

EDUCATION

- Illinois Institute of Technology
  - Bachelor of Science, Civil Engineering, Structures, 1982

PRACTICE AREAS

- Masonry Structures Corrosion Protection
- Materials Conservation
- Repair and Rehabilitation Design
- Water Penetration Testing
- Condition Assessment
- Construction Observation Services

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI), Fellow
- Association for Preservation Technology International (APT)
- International Concrete Repair Institute (ICRI)

CONTACT

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EXPERIENCE

Since joining WJE in 1984, Paul Gaudette has investigated several hundred structures exhibiting conditions of distress and deterioration in a variety of materials, including concrete, brick masonry, stone, stucco, terra cotta, steel, wood, and curtain wall facades. Mr. Gaudette has participated in the evaluation and development of recommendations for repair of modern and historic concrete structures and other distress conditions; selection of coatings for exterior facades; design of anchorage details; water penetration testing; preparation of repair drawings and specifications; and field observation during construction. He has also performed investigations, analysis, and repair design to address distress conditions in structural and nonstructural components of reinforced concrete parking garages.

Mr. Gaudette is the author of numerous papers and articles and has given professional seminars on building envelope maintenance, repair, moisture, and thermal-related issues. He was lead instructor for four two-day workshops on repair of historic concrete for the Association for Preservation Technology International. He also is an instructor for the American Concrete Institute (ACI) Seminar Series, Concrete Repair Basics, and the two-day Concrete Repair Workshop.

REPRESENTATIVE PROJECTS

Masonry Structures

- Franklin Delano Roosevelt Memorial - Washington, D.C.: Concrete and stone consulting for peer review

Materials Conservation

- Baha'i House of Worship - Wilmette, IL: Investigation, repair design, and construction observation for concrete landmark
- Centre Street Lions - Calgary, Alberta, Canada: Investigation and recommendations for restoration design
- Jefferson Davis Monument - Fairfield, KY: Investigation, repair design, and construction administration for historic concrete obelisk
- Promontory Apartments (Mies van der Rohe) - Chicago, IL: Exterior investigation and repair design and construction administration for historic high-rise

Repair and Rehabilitation Design

- Amoco Building (now the Aon Center) - Chicago, IL: Plaza investigation and repair design
- Gettysburg, Pennsylvania, Monument: Investigation and terrace restoration design

Construction Observation Services

- Wright Brothers Memorial Visitors Center - Kill Devil Hills, NC: Investigation of exterior facade, repair design, and construction observation for modern historic structure

TECHNICAL COMMITTEES

- ACI 364 - Rehabilitation (in Design and Construction Practices)
- ACI 437 - Strength Evaluation of Existing Concrete Structures
- ACI 546 - Repair of Concrete, Secretary
- ACI-EAC - Education Activities Committee
- ACI Concrete Repair Seminar Speakers, Chair