

Stephen B. Schmitt, Jr. | Senior Associate



EDUCATION

- Vanderbilt University
 - Bachelor of Engineering, Civil Engineering, 2006
- University of Illinois at Urbana-Champaign
 - Master of Science, Civil Engineering, 2007

REGISTRATION

- Professional Engineer in IL
- ACI Certified Concrete Field Testing Technician Grade 1

PRACTICE AREAS

- Repair and Rehabilitation Design
- Facade Assessment
- Facade Access
- Reinforced Concrete Structures
- Masonry Restoration

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- International Concrete Repair Institute (ICRI)
- Structural Engineers Association of Illinois (SEAOI)

TECHNICAL COMMITTEES

- ACI 224 - Cracking
- ACI 506 - Shotcreting
- ACI 546 - Repair of Concrete

CONTACT

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EXPERIENCE

Stephen Schmitt, Jr. has more than ten years of experience in condition assessment, field investigation, repair and rehabilitation design, and construction period services, particularly for reinforced concrete and masonry building structures. He has developed expertise in fall protection requirements for elevated work surfaces, as well as the evaluation and analysis of facade access equipment.

Prior to joining WJE, Mr. Schmitt worked as a graduate research assistant in the Multi-Axial Full-Scale Sub-Structures Testing and Simulation (MUST-SIM) Laboratory at the University of Illinois at Urbana-Champaign. He was named a recipient of the Roy S. Carver Graduate Fellowship in 2006.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Hedgerow Condominium - Chicago, IL: Assessment, repair design, and construction period services for replacement of an elevated concrete catwalk system
- Crate & Barrel Partial Atrium Ceiling Collapse - Chicago, IL: Emergency investigation of ceiling collapse and replacement consulting
- Addison North Wastewater Facility - Addison, IL: Condition assessment and foundation repairs of reinforced concrete settling tank
- First International Financial Center - Mumbai, India: Condition assessment, repair development, and construction observation for concrete repairs on fourteen-story office tower
- Folsom Dam Auxiliary Spillway Control Structure - Folsom, CA: Condition assessment, repair design, and construction observation for concrete repairs on dam structure
- Union Station Pedway - Chicago, IL: Assessment and repair and shoring design for deteriorated concrete columns
- Major Retail Chain - Multiple U.S. Locations: Assessment and repair design of bar joist roof structures
- Market-Frankford Line - Philadelphia, PA: Field investigation, repair design, and litigation support for elevated passenger train system concrete deck retrofit

Facade Assessment

- The Waterford - Chicago, IL: Field investigation and construction observation for concrete balcony repair project at twenty-four-story condominium
- The Edison - Chicago, IL: Condition assessment and construction observation for masonry restoration project on vintage multi-unit housing
- Jesse Brown VA Medical Center - Chicago, IL: Repair design and construction observation for masonry repairs on hospital

Facade Access

- Multiple High-Rise Buildings - Chicago, IL: Evaluation of building facade access and fall protection equipment and methods based on updated OSHA fall protection requirements; Design and load testing of existing and new fall protection systems
- Cook County Juvenile Detention Center - Chicago, IL: Evaluation and load testing of existing facade access equipment
- Jeweler's Building - Chicago, IL: Development of test scheme and load testing of new facade access equipment