



PERSONNEL QUALIFICATIONS

Stephen B. Schmitt, Jr. | Associate Principal



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

PRACTICE AREAS

- Failure/Damage Investigations
- Repair and Rehabilitation Design
- Facade Assessment
- Facade Access
- Reinforced Concrete Structures
- Roofing and Waterproofing

PROFESSIONAL AFFILIATIONS

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

TECHNICAL COMMITTEES

- ICRI 310 - Concrete Surface Preparation

CONTACT

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EXPERIENCE

Stephen Schmitt, Jr. has been with WJE since 2007. Before joining WJE's Chicago office in 2016, he worked in WJE's Janney Technical Center and structural laboratory in Northbrook, Illinois. He has more than fifteen years of experience in the investigation, evaluation, and repair of various concrete structures, including buildings, parking garages, industrial facilities, dams, and silos. Mr. Schmitt is also an expert in fall protection requirements for elevated work surfaces and the evaluation and analysis of facade access equipment. He currently serves on committees for SEAOI and ICRI's Chicago Chapter to develop and coordinate local education programs.

REPRESENTATIVE PROJECTS

Failure/Damage Investigations

- Multiple Grain Terminals - U.S. Great Plains and Pacific Northwest: Causation investigation and report for steel hopper collapse and concrete distress of reinforced concrete silo structures
- Market-Frankford Line - Philadelphia, PA: Field investigation, repair design, and litigation support for elevated passenger train system concrete deck retrofit
- 10/120 S Riverside - Chicago, IL: Evaluation of deteriorated precast concrete planks over train tracks
- Crate & Barrel - Chicago, IL: Emergency investigation of partial atrium ceiling collapse and replacement consulting
- Hurricanes Katrina and Ida - New Orleans, LA: Condition assessment of damaged building structures at theme park and oil tank terminal
- Addison North Wastewater Facility - Addison, IL: Condition assessment and foundation repairs of reinforced concrete settling tank

Repair and Rehabilitation Design

- The Clare - Chicago, IL: Design of concrete and waterproofing repairs for eight-level parking structure
- Hedgerow Condominium - Chicago, IL: Assessment, repair design, and construction observations for replacement of an elevated steel and concrete catwalk system

- First International Financial Center - Mumbai, India: Assessment, repair design, and construction observations for concrete repairs on fourteen-story office tower
- Folsom Dam Auxiliary Spillway Control Structure - Folsom, CA: 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 Locations, U.S.: Assessment and repair design of bar joist roof structures

Facade Assessment

- The Clare - Chicago, IL: Design, bid, and construction period services for concrete facade repairs at fifty-three-story, continuum-of-care retirement community
- 180 North Jefferson - Chicago, IL: Design, bid, and construction period services for concrete facade repairs at twenty-eight-story apartment
- The Waterford - Chicago, IL: Investigation and construction observations for concrete balcony repairs at twenty-four-story condominium
- The Edison - Chicago, IL: Assessment and construction observations for masonry restoration project of eight-story, early-1900s multiunit housing

Facade Access

- Roosevelt University Auditorium Building - Chicago, IL: Design and load testing of facade access equipment on roof of late-1800s Historic National Landmark
- St. Regis - Chicago, IL: Initial load testing and certification of facade access equipment at ninety-three-story, mixed-used building
- Multiple Cook County Buildings - Chicago, IL: Evaluation and load testing of existing facade access equipment
- 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