PERSONNEL QUALIFICATIONS

Steven H. Zimmerman | Principal and Executive Director of Talent Advancement

EDUCATION

- Illinois Wesleyan University
  - Bachelor of Science, Physics, 2000
- Northwestern University
  - Master of Science, Civil Engineering, 2003

PRACTICE AREAS

- Condition Assessment
- Repair and Rehabilitation Design
- Structural and Failure Investigation
- Structural Analysis/ Computer Modeling
- Structural Evaluation
- Wood Structures

REGISTRATIONS

- Professional Engineer in IA and IL

PROFESSIONAL AFFILIATIONS

- American Wood Council
- Structural Engineers Association of Illinois

CONTACT

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EXPERIENCE

Steven Zimmerman has been involved in projects investigating wood, steel, and concrete structures as well as laboratory analysis of material properties and corrosion resistance. Assignments have involved field investigation of deteriorated or damaged structures, structural assessment and analysis, repair and rehabilitation design, preparation of contract documents, and construction management.

Mr. Zimmerman works in WJE's Janney Technical Center in Northbrook, Illinois, and previously worked in the firm's Chicago office. He has worked as project associate or project manager on existing structures, including high-rise buildings, multilevel parking structures, residential multi- and single-family homes, commercial and retail space, university and education buildings, entertainment and sports facilities, and public works buildings. Mr. Zimmerman has had the opportunity to collaborate with many WJE professionals, work with various clients, and contribute to a number of interesting and challenging projects.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Hospital Facility - Rochester, MN: Precast concrete recladding design, structural analysis, preparation of contract documents, and construction management
- Commerce Plaza Facade and Parking Garage Repairs – Oak Brook, IL: Field inspection, damage documentation, structural analysis of existing conditions, and repair design
- Harris Bank Slab Infill Design - Chicago, IL: Structural steel design, structural analysis of existing conditions, and document preparation
- Parking Lot - Chicago, IL: Void spaces inspection and repair documents; reinforced concrete design, structural analysis of existing conditions, design of parking lot expansion, and document preparation

Structural and Failure Investigation

- Residential Properties - Blue Island, IL: Blast damage assessment and documentation; structural analysis of wood-framed structures
- South Giles Street Structural Failure - Chicago, IL: Field inspection of masonry failure, condition documentation, and assessment of existing structure

Structural Analysis/Computer Modeling

- Hurricane-Damaged Structures - MS: Structural analysis, computer modeling, damage documentation, and assessment of existing structure
- Six-Level Cantilevered Helical Ramp - Chicago, IL: Structural analysis, three-dimensional computer modeling, damage documentation, rehabilitation design, preparation of contract documents, and construction management
- Historic Structure - Chicago, IL: Three-dimensional computer modeling, steel bracing design, and preparation of contract documents