



EDUCATION

- University of Illinois, Urbana-Champaign
 - Bachelor of Science, Civil Engineering, 1998
 - Master of Science, Structural Engineering, 2000

PRACTICE AREAS

- Building Envelope Assessment
- Construction Observation
- Load Testing
- Parking Structures
- Repair and Rehabilitation Design
- Structural Analysis/Computer Modeling
- Structural Investigation

REGISTRATIONS

- Professional Engineer in IL
- Structural Engineer in IL

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Structural Engineers Association of Illinois (SEAOI)

CONTACT

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EXPERIENCE

Since joining WJE in 2000, Brian Greve has participated in a wide variety of projects involving the investigation, analysis, and repair of existing buildings, bridges, foundations, and facades. He has investigated and repaired deteriorated reinforced concrete, post-tensioned concrete, steel, timber, and natural stone. Many of these projects have involved inspection, repair design, development of repair documents, and construction observation.

Mr. Greve also has experience in computer modeling, instrumentation, and load testing of structures. He has performed full-scale load tests of many structures to verify the capacity of a variety of deteriorated and strengthened members.

While attending the University of Illinois, Mr. Greve had internships with several engineering firms, including WJE. During these internships, he performed construction observation, surveying, material testing of soil, concrete and asphalt, and analysis and inspection of plate-connected wood trusses.

REPRESENTATIVE PROJECTS

Building Envelope Assessment

- First National Bank Building - Chicago, IL: Investigation and repair design of granite facade
- Marina Towers - Chicago, IL: Inspection and repair of landmark facade
- 150 N. Wacker Drive - Chicago, IL: Repairs of exposed reinforced concrete shear walls

Load Testing

- Casino Parking Garage - Las Vegas, NV: Load testing of distressed double-tee beams
- Perry's Victory and International Peace Memorial - Put-in-Bay, OH: Load testing of deteriorated, reinforced concrete plaza deck
- Midway International Airport - Chicago, IL: Load testing of concrete floor slab after installation of FRP and external post-tensioning
- Chicago Public Schools - Chicago, IL: Load testing of 1920s vintage reinforced concrete roof structures at five schools

Repair and Rehabilitation Design

- Ochsner Hospital - New Orleans, LA: Structural rehabilitation of pile cap foundations
- Chicago Public Schools - Chicago, IL: Investigation and repair design for heavy timber roof trusses and reinforced concrete framing
- 222 South Riverside Drive - Chicago, IL: Design and reconstruction of existing plaza structure
- Grandin House - Cincinnati, OH: Repair of corrosion-damaged post-tensioned parking deck
- U.S. Cellular Field - Chicago, IL: Capital repair projects

Structural Investigation

- Louis Nettelhorst Elementary School - Chicago, IL: Failure investigation of heavy timber roof truss
- Northwest Tollway - Chicago, IL: Investigation of deteriorated precast bridge columns
- Navy Pier - Chicago, IL: Inspection of precast double tees following partial collapse of exhibition floor
- Cedar Street Bridge over the Illinois River - Peoria, IL: Field inspection and corrosion evaluation of steel deck trusses