WIE

PERSONNEL QUALIFICATIONS

Brian E. Pulver | Associate Principal



EDUCATION

- Purdue University
 - Bachelor of Science, Civil Engineering, 1992
- University of Minnesota
 - Master of Civil Engineering, Civil Engineering, 1995

PRACTICE AREAS

- Concrete Deterioration
- Construction Observation
- Parking Structures
- Plazas and Terraces
- Prestressed and Post-Tensioning
- Repair and Rehabilitation Design
- Structural Investigation
- Windows and Curtain Walls

REGISTRATIONS

Professional Engineer in IL

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- Post-Tensioning Institute (PTI)

TECHNICAL COMMITTEES

■ ACI 362 - Parking Structures

CONTACT

bpulver@wje.com 847.272.7400 www.wje.com

EXPERIENCE

Brian Pulver has significant experience in the assessment of parking structures, plazas, buildings and facades and specializes in the investigation and repair of structures. He is an expert in designing repairs, developing repair specifications and drawings, and performing construction observation and administration for these projects. Mr. Pulver has managed several large and multiphased garage repair projects over the course of his career. He has a proven record of developing a strong project team between the engineer, contractor, and owner's representative, which provides the owner with quality repairs, delivered on budget, and based on ownership's priorities.

Mr. Pulver has coauthored a chapter on assessing parking structures in the book Structural Condition Assessment and is a coauthor who is updating The Guide to Structural Maintenance of Parking Structures for the American Concrete Institute. He has presented on the topics of "Repair of Concrete" and "Upgrading, Maintaining, and Repairing Parking Facilities" at the University of Wisconsin-Madison.

REPRESENTATIVE PROJECTS

Construction Observation

- Grand Bay Plaza Miami, FL: Replacement of glass curtain wall damaged by Hurricane Andrew
- 413/415 1st Avenue North Parking Garage -Grand Forks, ND: Post-tensioning tendon and concrete repair for five-level parking structure

Parking Structures

- Washington University Parking Garage -Clayton, MO: Repair and waterproofing of reinforced concrete one-way slab parking structure
- Pierre LaClede Center St. Louis, MO: Repair, strengthening, and waterproofing of deteriorated portions of two-way waffle slab parking structure
- 1001 South Clinton Chicago, IL: Feasibility study for providing parking within building and adding parking levels to the existing structure

Plazas and Terraces

- Harbor Point Condominium Chicago, IL: Replacement of concrete entrance drive and buried waterproofing membrane system
- CORE Plaza Evanston, IL: Replacement of existing plaza topping and sheet membrane with hot-applied rubberized asphalt membrane and colored, stamped concrete topping

Prestressed and Post-Tensioning

- University Street Parking Garage West Lafayette, IN: Repair of deteriorated buttonheaded post tensioning tendons for oneway reinforced parking garage
- Riverplace Parking Garage Minneapolis, MN: Repair of deteriorated monostrand post-tensioning tendons for one-way reinforced parking garage
- Walden Parking Garage Schaumburg, IL: Repair of deteriorated paper-wrapped monostrand post-tensioning tendons for two-way reinforced parking garage

Repair and Rehabilitation Design

- One US Bank Building St. Louis, MO: Repair and rehabilitation of structural steel framing members
- 400 East Randolph Drive Condominium -Chicago, IL: Repair and renovation of historic swimming pool structure, dome, and pool ceramic tile liner

Structural Investigation

 612 South Clinton - Chicago, IL: Field document and analysis of existing built-up steel members and clay tile floor slab system to determine as-built capacities for building renovation

Windows and Curtain Walls

Three First National Plaza - Chicago, IL: Inspection and repair of high-rise building clad with thin granite panels and an aluminum and glass curtain wall

