

### 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
- ACI 515 - Protection Systems for Concrete
- ACI 563 - Specifications for Repair of Structural Concrete in Buildings

#### CONTACT

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#### 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 button-headed post-tensioning tendons for one-way reinforced parking garage
- 1350, 1370, and 1390 Timberlake Manor Parking Garages - St. Louis, MO: Repair of deteriorated monostrand post-tensioning tendons for one-way reinforced parking garages
- 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

- 70 West Madison - Chicago, IL: Inspection and repair of high-rise building clad with thin granite panels and an aluminum and glass curtain wall, including davit and tie-back load testing
- 400 East Randolph - Chicago, IL: Management of \$16,000,000 window investigation and replacement project