

### Predrag L. Popovic | Vice President and Senior Principal



#### EDUCATION

- University of Belgrade
  - Diploma Engineer Degree, Structural Engineering, 1968
- Illinois Institute of Technology
  - Master of Science, Civil Engineering, 1973

#### PRACTICE AREAS

- Structural Evaluation
- Failure Investigation
- Parking Structures
- Water Retaining Structures
- Facade Assessment
- Bridge Engineering
- Repair and Rehabilitation Design

#### REGISTRATIONS

- Professional Engineer in MI
- Structural Engineer in IL

#### PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- American Institute of Steel Construction (AISC)
- American Society of Civil Engineers (ASCE)
- International Association for Bridge and Structural Engineering (IABSE), president
- Post-Tensioning Institute (PTI)
- Precast/Prestressed Concrete Institute (PCI)

#### CONTACT

ppopovic@wje.com  
847.272.7400  
www.wje.com

#### EXPERIENCE

Predrag Popovic is an internationally recognized expert in concrete repair. He has investigated, tested, and designed repairs for more than one thousand parking garages, buildings, and bridges. He has investigated structural collapses of a number of structures, determined the causes and sequence of collapse, and provided expert testimony. Mr. Popovic has also investigated problems with building facades and designed repairs for those systems. He designed numerous water and wastewater retaining structures. His experience includes the design of foundation underpinning for distressed structures and the design of temporary shoring and earth-retaining systems for bridge, building, and underground construction.

Mr. Popovic has been widely published and has made hundreds of presentations on the assessment, evaluation, and repair of concrete structures, including conventionally reinforced, post-tensioned, and prestressed concrete. He is an industry leader in parking garage assessment and repair.

Mr. Popovic has provided litigation assistance to owners, contractors, and insurance companies on projects involving bridges, industrial, residential and commercial buildings, and water retaining structures. He has participated in numerous depositions and testified in court as an expert witness.

#### REPRESENTATIVE PROJECTS

##### Structural Evaluation

- Busch Stadium - St. Louis, MO: Evaluation of signature concrete roof structure
- O'Hare International Airport - Chicago, IL: Pedestrian canopy evaluation and repair design
- Tutu Park Mall - St. Thomas, U.S. Virgin Islands: Evaluation and repair of roof framing for wind loads

##### Failure Investigation

- 101 East Erie Building - Chicago, IL: Fire damage collapse evaluation and repair
- 713 W. Wrightwood - Chicago, IL: Porch collapse investigation
- Sikorsky Bridge - New Haven, CT: Investigation of partial collapse

##### Parking Structures

- Northwestern University - Chicago, IL: Condition assessment and repair of four garages
- Sentry Insurance - Stevens Point, WI: Repair design of plaza and underground parking structure
- Stadium Garages - St. Louis, MO: Repair design of four post-tensioned parking structures

##### Water Retaining Structures

- Chicago Deep Tunnel - IL: Design of wastewater retaining and tunnel structures
- Patapsco Wastewater Treatment Plant - Baltimore, MD: Water leakage and concrete cracking issues

##### Facade Assessment

- Montgomery Ward Memorial Building - Chicago, IL: Design of repairs for sixteen-story limestone facade
- Park Place - Chicago, IL: Inspection and repair of fifty-seven-story concrete facade
- Northwestern University, Wieboldt Building - Chicago, IL: Design of repairs for eighteen-story limestone facade

##### TECHNICAL COMMITTEES

- ACI 350 - Environmental Structures, past member
- ACI 362 - Parking Structures
- ACI 437 - Strength Evaluation of Existing Concrete Structures, past chair
- ACI 562 - Evaluation, Repair, and Rehabilitation of Concrete Buildings