



PERSONNEL QUALIFICATIONS

Petar Plemic | Principal and Director of International Operations



EDUCATION

- University of Belgrade
 - Bachelor of Science, Structural Engineering, 1982
- Illinois Institute of Technology
 - Master of Science, Civil Engineering, 1990
- Northwestern University, Kellogg School of Management
 - Master of Business Administration, 2003

PRACTICE AREAS

- Building Envelope Assessment
- Facade Assessment
- Concrete
- Historic Preservation
- Parking Structures
- Plazas and Terraces
- Prestressed and Post-Tensioning
- Repair and Rehabilitation Design
- Structural Evaluation and Testing

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- American Society of Civil Engineers

CONTACT

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EXPERIENCE

Petar Plemic joined WJE in 1989 and has since performed more than three hundred assignments involving the evaluation of existing structures and the development of repair designs. He has extensive expertise in building envelope assessment and repair for both contemporary and historic structures. Mr. Plemic's experience includes concrete, masonry, and terra cotta facades; curtain walls; and windows for buildings of all types, including office, hotel, museum, multifamily residential, courthouse, and religious facilities. Mr. Plemic has also provided numerous investigative services, repair designs, repair cost estimates, and life cycle cost analyses for parking structures and plazas.

Prior to joining WJE, Mr. Plemic was employed since 1981 by the largest design-build company in former Yugoslavia. While there, he was responsible for bridge design, on-site project execution and contract document preparation for new construction, and the investigation and rehabilitation of existing structures.

REPRESENTATIVE PROJECTS

Building Envelope Assessment

- Citicorp Building - Chicago, IL: Assessment and repair design of roofs and curtain wall; ADA vestibule design
- Chase Plaza - Chicago, IL: Assessment of glass-metal curtain wall and historic terra cotta
- Bank One - Chicago, IL: Structural repairs to support thick granite cladding
- 190 S. LaSalle Street Building - Chicago, IL: Structural assessment of granite curtain wall

Historic Preservation

- SBC Building - Milwaukee, WI: Historic terra cotta restoration and preservation
- Marshall Field Building - Milwaukee, WI: Structural analysis and development of supplemental supports for terra cotta
- Miami Dade County Courthouse - Miami, FL: Investigation and testing of historic terra cotta facade

Repair and Rehabilitation Design

- Millennium Park - Chicago, IL: Structural investigation, analysis, and repair recommendations for the post-tensioned parking structure
- Bala Two Plaza - Bala Cynwyd, PA: Parking garage and plaza rehabilitation and vibration monitoring
- Anheuser Busch Parking Structures - St. Louis, MO: Nondestructive testing and repair of post-tensioned structures repairs
- Riverplace - Minneapolis, MN: Underground post-tensioned parking structure rehabilitation
- Village of Cross Keys - Baltimore, MD: Post-tensioned parking structure and plaza repair design
- Slugger's Parking Garage - Louisville, KY: Investigation and design development of a specialty expansion joint seal
- Belvedere Plaza - Louisville, KY: Testing, investigation, and repair design for the plaza

Structural Evaluation and Testing

- Chancellory Complex - Itasca, IL: Structural rehabilitation of precast and post-tensioned concrete garages, volume change monitoring, and remedial design
- One Illinois Building - Chicago, IL: Structural evaluation and remedial design for metal cladding
- Kungshuset Building - Stockholm, Sweden: Investigation and design of repairs for marble facade