



## PERSONNEL QUALIFICATIONS

### Kenneth A. Kosteva | Associate Principal



#### EDUCATION

- Bucknell University
  - Bachelor of Science, Civil Engineering, 2001
- Cornell University
  - Master of Science, Structural Engineering, 2002

#### PRACTICE AREAS

- Failure/Damage Investigations
- Repair and Rehabilitation
- Facade Assessment
- Construction Troubleshooting
- Fire Damage
- Historic Preservation
- Structural Analysis
- Instrumentation/Monitoring/Load Testing
- Litigation Consulting

#### REGISTRATIONS

- Professional Engineer in MD and VA

#### PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- American Society of Civil Engineers
- International Concrete Repair Institute

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2003, Kenneth Kosteva has led numerous investigations for a wide variety of projects involving steel, concrete, timber, stone, unit masonry, and aluminum/glass curtain wall. He has provided services as both a project engineer and project manager on assignments, including the evaluation of facade and structure-related failures, with extensive experience in the investigation and repair of post-tensioned and conventionally reinforced concrete, including analysis and materials testing. Mr. Kosteva's responsibilities have included failure and structural investigations, structural analysis, development of repair and rehabilitation construction documents, and construction observation. His projects have included significant historic structures and several historic landmarks.

#### REPRESENTATIVE PROJECTS

##### Failure/Damage Investigations

- Howard Hughes Medical Institute, Janelia Farm Research Campus - Ashburn, VA: Intensive vegetative green roof failure assessment and remedial design
- National Institutes of Health Parking Garage - Bethesda, MD: Collapse investigation of parking garage while under construction
- University of Maryland Dental School - Baltimore: Investigation and repair design for collapsed limestone cladding
- Washington, D.C. Water and Sewer Authority: Investigation of storm water pipe cracking induced by subgrade shoring collapse

##### Repair and Rehabilitation

- Bank of America Building - Orlando, FL: Design of facade and terrace waterproofing repairs
- Montgomery County Parking Garage No. 11 - Bethesda, MD: Comprehensive restoration and reconstruction of deteriorated parking garage
- Prince Georges County Public Schools - MD: Repair design for deteriorated glued-laminated timber roof support beams
- The Blairs Apartments - Silver Spring, MD: Comprehensive repair and restoration of several high-rise apartment buildings

- Historic Hotel Monaco - Washington, D.C.: Exterior stone stabilization, repair, and restoration
- The Elizabeth Condominium - Chevy Chase, MD: Design of extensive exterior repair and improvement program

##### Facade Assessment

- United States Department of Transportation Headquarters - Washington, D.C.: Investigation of precast concrete wall panel distress and displacement
- Howard Hughes Medical Institute, Janelia Farm Research Campus - Ashburn, VA: Building envelope assessment and remedial design
- United States Department of Veterans Affairs Hospital - Baltimore, MD: Evaluation of granite panel facade failure

##### Structural Analysis

- Belhaven Cooperage - NC: Analysis of existing radial brick masonry smokestack
- Ronald Reagan Building - Washington, D.C.: Finite element analysis and strengthening of existing banner support structure
- Sheraton Hotel - Fort Lauderdale, FL: Analysis and upgrade design for existing skylight truss support system
- U.S. Marine Corps Commandant's Home - Washington, D.C.: Structural evaluation

##### Instrumentation/Monitoring/Load Testing

- 900 7th Street - Washington, D.C.: Evaluation of concrete column integrity
- United States Capitol Building - Washington, D.C.: Evaluation of existing load bearing masonry walls