



## PERSONNEL QUALIFICATIONS

### Kimball J. Beasley | Senior Principal



#### EDUCATION

- DeVry Institute of Technology
  - Industrial and Communications Electronics, 1969
- University of Illinois at Chicago
  - Bachelor of Science, Structural/Materials Engineering, 1973
- Pace University
  - Master of Business Administration, 1985

#### PRACTICE AREAS

- Facade Assessment
- Failure Investigation
- Condition Assessment
- Leakage Investigation
- Litigation Consulting
- Masonry Structures
- Materials Evaluation and Research
- Testing and Instrumentation

#### REGISTRATIONS

- Professional Engineer in MA, NJ, NY, and PA

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE), Fellow
- National Society of Professional Engineers (NSPE)

#### CONTACT

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#### EXPERIENCE

Kimball Beasley has more than forty years of experience in investigation and repair design for failures and performance problems involving a wide variety of building components and materials. These problems include serviceability and stability failures for building wall systems and structural elements. His projects, totaling more than 1,600 since 1973, include failures caused by deficiencies in design or construction or deterioration of building materials, such as stone, brick, terra cotta, or concrete. Mr. Beasley also frequently investigates failures of traditional and contemporary building facades. He has extensive experience with diagnostic testing to investigate causes of building envelope failures and water infiltration. He has served as a consultant and expert witness at trial, arbitration, and mediation on numerous projects. Mr. Beasley has authored more than thirty technical papers, journal articles, and book chapters and is a frequent speaker at professional societies and universities.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- Lincoln Center for the Performing Arts - New York, NY: Travertine facade investigation and remediation design
- The Metropolitan Museum of Art - New York, NY: Limestone facade investigation and remediation design
- Whitney Museum of American Art - New York, NY: Granite facade investigation and remediation design
- Numerous brick and stone masonry-clad building facade assessments

##### Failure Investigation

- 142 West 135th Street - New York, NY: Building collapse investigation
- Multiple Buildings Impacted by Superstorm Sandy - NJ and NY: Investigation of storm-damaged and collapsed buildings
- Multiple Buildings Impacted by Hurricane Katrina - LA and MS: Investigation of storm-damaged buildings
- Various adhered masonry veneer failure investigations

- Several Buildings Surrounding the World Trade Center - New York, NY: Investigation of stability and damage from collapse debris impact
- Large Commercial Buildings, Single-Family, and Multifamily Residential Buildings: Structural and facade failures

##### Condition Assessment

- Adjacent Construction: Evaluation of building conditions or damage prior to, during, and after adjacent excavation and construction activities
- Alfonse D'Amato Federal Courthouse - Islip, NY: Building envelope investigations and remediation design
- Various Nuclear Power Generating Facilities: Concrete quality control and nondestructive testing of primary containment vessels

##### Materials Evaluation and Research

- Composite Wall Panels: Testing, investigation, and remediation design for failed wall systems; various buildings
- Flooring Systems: Testing and investigation of compatibility and moisture-related failure from concrete substrates
- Cast Stone/Concrete: Investigation and testing of cast stone and composite tile-faced architectural precast concrete facade failures

##### Testing and Instrumentation

- Vibration and Settlement Monitoring: Measurement of vibration and movement of buildings and structures
- Citicorp Center (now Citigroup Center) - New York, NY: In situ stress testing of metal facade panel
- Lincoln Financial Field - Philadelphia, PA: Testing of concrete, terrazzo, and structural vibrations

##### TECHNICAL COMMITTEES

- ASCE - Forensic Engineering Division (FED)
- FED - Committee on Forensic Investigations

##### AWARDS AND HONORS

- Recipient of the ASCE 2011 Forensic Engineer of the Year Award
- Awards and honors for various projects, publications, and presentations