

Justin M. Spivey | Senior Associate



EDUCATION

- The Cooper Union for the Advancement of Science and Art
 - Bachelor of Engineering, Civil Engineering, 1996
- University of California, Berkeley
 - Master of Science, Structural Engineering, 1997

PRACTICE AREAS

- Structural Evaluation
- Failure Investigation
- Litigation Consulting
- Historic Preservation
- Repair and Rehabilitation Design
- Disaster Response
- Construction Administration
- Wood Structures

REGISTRATIONS

- APT Recognized Professional
- Professional Engineer in CA, CT, DE, KY, MA, MD, NJ, NY, PA, and VA

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers
- Association for Preservation Technology International
- Delaware Valley Association of Structural Engineers

CONTACT

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EXPERIENCE

Justin M. Spivey specializes in the condition assessment, renovation, repair, and adaptive reuse of existing structures. He has worked with many National Register and National Historic Landmark properties as well as buildings damaged by natural and man-made disasters. Mr. Spivey is familiar with a wide range of materials, from nineteenth-century cast and wrought iron, wood, and masonry through new construction designed for earthquake loading.

After attending the University of California on a Berkeley Graduate Fellowship, Mr. Spivey documented historic bridges for the Historic American Engineering Record. He has also worked as a consulting engineer and in overseas construction management. Mr. Spivey's project experience covers every phase from conceptual design to contract documents to commissioning.

Mr. Spivey has also taught courses in preservation engineering at Johns Hopkins University in Baltimore, Maryland, and in historic preservation at the University of Pennsylvania.

REPRESENTATIVE PROJECTS

Structural Evaluation

- Major Retail Store Chain - Various Locations Nationwide: Evaluation of welded connections in open-web steel joists
- New York State Capitol - Albany: Survey of as-built floor and roof structure; rating of live load capacity*

Failure Investigation

- Multiple Properties - Bayonne, NJ, New York, NY, and Philadelphia, PA: Investigation of damage associated with adjacent demolition and construction

Litigation Consulting

- Multiple Properties - NJ, NY, and PA: Expert reports and testimony in disputes regarding excavation support, facade repair, and water infiltration
- Shopping Center - PA: Service as Independent Decision Maker to resolve owner-contractor dispute

Historic Preservation

- Homestead Farm at Oak Ridge - Clark and Edison, NJ: Structural condition assessment for historic structure report
- Mount Moriah Cemetery Gatehouse - Philadelphia, PA: Design of temporary structural stabilization
- North Brother Island - Bronx, NY: Structural engineering consultation for conservation and access study
- Warwick Hotel at Rittenhouse Square - Philadelphia, PA: Inspection and restoration of National Register-listed brick and terra cotta facade

Repair and Rehabilitation Design

- Enfield School - Oreland, PA: Reconstruction of brick masonry parapets
- Erdenheim School - Flourtown, PA: Repairs to address below-grade water infiltration
- Verrazano Narrows Bridge - New York, NY: Development of design-build RFP documents for rehabilitation of tower pedestals

Disaster Response

- Various Locations - DE, NJ, NY, and PA: Damage assessments following Hurricane Irene, Virginia earthquake, and post-tropical storms Sandy and Ida

Construction Administration

- New U.S. Embassy Compound - Rangoon, Burma: Construction quality control and commissioning*
- Walnut Park Plaza Apartments - Philadelphia, PA: Construction administration for four-year phased repair of National Register-listed brick and cast stone facade

Wood Structures

- Cathedral Church of the Nativity - Bethlehem, PA: Repair of roof framing damaged by wind
- Friends Academy - Locust Valley, NY: Repair of distressed timber roof trusses
- Hanging Flume - Uravan, CO: Industrial rope access-based condition assessment of 1880s mining structure suspended from a cliff*
- *River Rooms* by Stacy Levy - Philadelphia, PA: Structural engineering for outdoor wood sculpture installation

*Indicates with previous firms