PERSONNEL QUALIFICATIONS

Kurt P. Holloway | Associate Principal

EDUCATION

- University of Dayton
  - Bachelor of Civil Engineering, 2007
- University of Illinois at Urbana-Champaign
  - Master of Science, Civil Engineering, 2012

PRACTICE AREAS

- Structural Evaluation
- Repair and Rehabilitation Design
- Failure Investigation
- Structural Analysis/Computer Modeling
- Facade Access and Fall Protection Requirements
- Vibration and Noise Monitoring
- Corrosion Protection

REGISTRATIONS

- Fracture Critical Inspector for Steel Bridges
- Professional Engineer in IL
- Structural Engineer in IL

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- American Society of Civil Engineers

CONTACT

kholloway@wje.com
847.272.7400
www.wje.com

** Indicates with previous firm*

EXPERIENCE

Kurt Holloway joined WJE in 2012 and has been involved in various structural investigations including design of repairs and modifications. His experience includes steel, concrete, wood, aluminum, masonry, and cable structures. On many projects, Mr. Holloway combines testing and materials evaluation to complement assessment or design of a structural system.

Prior to joining WJE, Mr. Holloway performed graduate thesis research at the University of Illinois at Urbana-Champaign on the behavior of integral abutment bridges. Before attending graduate school, he consulted for three years at LJB, Inc. in Dayton, Ohio, where he designed numerous structures ranging from new commercial buildings to modifications, repairs, and additions at industrial facilities. He also investigated several failures and deficiencies in existing structures. Mr. Holloway has practiced extensively in the area of fall protection design and evaluation, including in situ load testing of fall protection systems on historic and contemporary structures.

REPRESENTATIVE PROJECTS

Structural Evaluation

- Iowa Old Capitol Building - Iowa City: Condition assessment and analysis of timber frame of bell tower, cupola, and dome
- Sam Rayburn Tollway Mechanically Stabilized Earth Walls - Dallas, TX: Relative risk assessment and maintenance/repair prioritization of seventy retaining structures
- Holy Virgin Protection Cathedral - Des Plaines, IL: Analysis of cold-formed steel roof trusses, steel joists, and diaphragm integrity
- Milwaukee Institute of Art and Design Student Union - WI: Condition assessment and analysis of historic fire-damaged wood and masonry tavern

Repair and Rehabilitation Design

- Olympia Centre - Chicago, IL: Design of new steel and glass entrance canopy
- Old Dallas High School - TX: Structural evaluation and design for adaptive residential reuse of historic masonry, concrete, steel, and cast iron structure
- The Salvation Army, Kroc Corps Community Center - South Bend, IN: Durability enhancement of fitness center floor slab
- Cavalia Odysseo: Evaluation and repair design for portable aluminum bleachers

Failure Investigation

- Grain Elevator Collapse - Kimball, SD: Determination of cause of failure during construction
- Holy Family Catholic Church - Lincoln, IL: Investigation of masonry bell tower partial collapse and condition assessment

Structural Analysis/Computer Modeling

- Rio Grande Gorge Bridge - Taos, NM: Evaluation of thermal and shrinkage effects on early-age overlay cracking
- IDOT District One - IL: Analysis of historic bascule bridges for gusset plate evaluation and load rating
- High-Rise Condominium - Houston, TX: Structural assessment and repair feasibility for signature rooftop architectural feature

Facade Access and Fall Protection Requirements

- Corporate Headquarters - Racine, WI: Design of fall protection systems for multiple buildings
- One Magnificent Mile - Chicago, IL: In situ load testing of facade access equipment and anchorages
- 300 S. Wacker Drive - Chicago, IL: Expedited design, installation, and load testing of new facade access and fall protection anchorages
- United States Capitol Complex - Washington, D.C.: Evaluation, load testing, and design of fall protection and facade access systems on numerous facilities *

Vibration and Noise Monitoring

- University of Chicago - IL: Control of demolition and construction vibrations to protect research and museum facilities

Corrosion Protection

- Weathering Steel Bridge Assessment - IA: Evaluation of patina performance and inspection and maintenance techniques