PERSONNEL QUALIFICATIONS

Tyler W. Stillings | Senior Associate

EDUCATION

- University of Cincinnati
  - Bachelor of Science, Civil Engineering, 2010
  - Master of Science, Structural Engineering, 2012

PRACTICE AREAS

- Structural Analysis/Computer Applications
- Failure/Damage Investigations
- Facade Assessment
- Roofing and Waterproofing

REGISTRATIONS

- FHWA-NHI-130055 - Safety Inspection of In-Service Bridges
- FHWA-NHI-130078 - Fracture Critical Inspection Techniques for Steel Bridges
- Society of Professional Rope Access Technicians - Level I Rope Access Technician
- Professional Engineer in OH

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Structural Engineers Association of Ohio

CONTACT

tstillings@wje.com
216.642.2300
www.wje.com

EXPERIENCE

Since joining WJE in 2012, Tyler Stillings has worked on a wide variety of projects involving the evaluation of existing structures and architectural components. His work has included load capacity evaluations, fire damage assessments, water leakage testing of several different architectural systems, and facade condition assessments. Mr. Stillings has also played a significant role in the company's largest project to date, involving on-site inspections, statistical analysis, and structural repair designs.

While an undergraduate student at the University of Cincinnati, Mr. Stillings worked as an engineering co-op with the Shimizu Corporation in Tokyo, Japan. His graduate research involved evaluation and destructive load testing of a decommissioned adjacent precast, prestressed concrete box girder bridge.

REPRESENTATIVE PROJECTS

Structural Analysis/Computer Applications

- Higbee Building - Cleveland, OH: Evaluation of available live load capacity of historic structural clay tile floor system
- Duquesne University Parking Garage - Pittsburgh, PA: Evaluation of steel beam and concrete slab load carrying capacity for the relocation of cooling towers
- Henry Oliver Building - Pittsburgh, PA: Evaluation of load carrying capacity of rooftop HVAC supporting frames for charity rappelling event
- North Point Tower - Cleveland, OH: Evaluation of steel framing capacity for file room relocation and mechanical partition wall

Failure/Damage Investigations

- Major Retail Chain - Nationwide: Evaluation of damage to and repair design for open web steel joists
- Burlington House - Cincinnati, OH: Settlement investigation and peer review of repairs and renovation plans
- Natrium Natural Gas Processing Plant - Marshall County, WV: Condition assessment of concrete foundations damaged by fire
- CMSD East Professional Center - Cleveland, OH: Investigation of plaster ceiling failure and distress
- Fairmont Creamery - Cleveland, OH: Review of proposed repairs to 1930s concrete structure damaged by fire

Facade Assessment

- St. John's AME Church - Cleveland, OH: Water leakage testing of historic brick mass walls
- University of Cincinnati Dormitories - OH: Condition assessment of four dormitory facades, including brick cavity and curtain walls
- West General Robinson Parking Garage - Pittsburgh, PA: Condition assessment of precast concrete panel facade and development of associated repairs
- Buckeye Candy and Tobacco Building - Mount Vernon, OH: Condition assessment of historic brick mass wall, including in situ load testing
- Strongsville High School - Strongsville, OH: Water leakage testing of punched and storefront window systems
- Lorain County Visitors Bureau - Amherst, OH: Assessment of water damage behind architectural aluminum panels

Roofing and Waterproofing

- PNC Park - Pittsburgh, PA: Condition assessment and coordination of sealant repairs
- King Community Learning Center - Akron, OH: Evaluation of existing fluid-applied air barrier and quality control review of repairs
- Cleveland Clinic, Richard E. Jacobs Health Center - Avon, OH: Roof condition assessment using high voltage integrity testing