

### Joshua T. Boggs | Associate Principal



#### EDUCATION

- The Citadel
  - Bachelor of Science, Civil Engineering, 2006
- Virginia Polytechnic Institute and State University
  - Master of Science, Structural Engineering, 2008

#### PRACTICE AREAS

- Structural Analysis/Computer Applications
- Construction Troubleshooting
- Facade Assessment
- Disaster Response
- Litigation Consulting

#### REGISTRATIONS

- ODOT Certified Bridge Inspection Team Leader
- Professional Engineer in OH

#### PROFESSIONAL AFFILIATIONS

- Building Enclosure Council
- Northern Ohio Society for Healthcare Engineering

#### CONTACT

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#### EXPERIENCE

Joshua Boggs has extensive experience in the inspection and investigation of deterioration and failures of building materials and structural components of new and existing structures. These investigations include a variety of materials and systems, including structural steel, cast-in-place concrete, masonry and stone cladding, stucco, EIFS, glazed curtain walls and windows, membrane waterproofing, and flashings.

In addition, Mr. Boggs works with managing large-scale multifacility investigations and repair projects requiring the coordination of numerous personnel during phases of investigation, repair design, and construction administration.

#### REPRESENTATIVE PROJECTS

##### Structural Analysis/Computer Applications

- Major Retail Chain - U.S. Locations  
Nationwide: Evaluation of damage to and repair design for open-web steel joists
- West General Robinson Garage - Pittsburgh, PA: Precast concrete condition assessment

##### Construction Troubleshooting

- Major Retail Chain - U.S. Locations:  
Budgeting; scheduling; and coordination of contractors, inspection agencies, and repair documentation for hundreds of open-web steel-joist enhancement and repair projects nationwide
- Ambler Johnson - Blacksburg, VA: Full-time construction services for facade renovations, including lead and asbestos abatement and masonry repairs \*
- Graduate Housing - Williamsburg, VA:  
On-site construction services for comprehensive renovations for multiyear-phase construction \*

##### Facade Assessment

- Ohio State University Davis Heart and Lung Research Institute - Columbus: Investigation of rainwater penetration through-cladding components, including an aluminum curtain wall system, metal wall panels, and brick masonry, leading to development of repair contract documents
- Kohl Building - Oberlin, OH: Investigation of air leakage and condensation due to vapor diffusion
- Roanoke Higher Education Center - Roanoke, VA: Evaluation and repair design for distressed masonry \*

##### Disaster Response

- Ohio State University, Wooster Campus - Columbus: Campus-wide assessment for building envelope and structural damage resulting from an EF2 tornado

##### Litigation Consulting

- Southgate Towers - Baton Rouge, LA: Investigation of stucco facade and water infiltration incorporating design and code reviews \*
- Private Townhomes - Charleston, SC: Fiber cement board siding investigation including laboratory testing and analysis \*

\* Indicates with previous firms