PERSONNEL QUALIFICATIONS

B. Joel Hackett | Senior Associate

EDUCATION

- University of Maryland, College Park
  - Bachelor of Science, Civil Engineering, 2014
- Georgia Institute of Technology
  - Master of Science, Civil Engineering, 2017

PRACTICE AREAS

- Failure/Damage Investigation
- Repair and Rehabilitation Design
- Wood Structures
- Concrete Structures
- Masonry
- Structural Metals
- Litigation Consulting
- Instrumentation/Monitoring/ Load Testing

REGISTRATIONS

- Professional Engineer in GA and TX

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers

CONTACT

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EXPERIENCE

Joel Hackett's projects are primarily comprised of failure investigations, repair and rehabilitation design, construction deficiency evaluations, structural condition assessments, and litigation support. Mr. Hackett has acquired an in-depth technical knowledge of multiple building assemblies and materials, including wood construction, reinforced concrete, prestressed and post-tensioned concrete, masonry, and structural steel.

Mr. Hackett's experience includes working on various structure types including multifamily residential buildings, commercial buildings, parking decks, warehouses, and power plant facilities. He also has expertise in preparing construction documents, providing construction administration services during repair implementation, using nondestructive evaluation methods during investigations, and performing structural analysis.

REPRESENTATIVE PROJECTS

Failure/Damage Investigation

- Savannah River Landing - GA Fire damage investigation of prestressed concrete parking garage; nondestructive evaluation specimen collection
- CDC 161 Parking Deck - Atlanta, GA: Fire damage investigation of post-tensioned concrete parking garage; nondestructive evaluation, specimen collection
- Eloise Fuller Apartments - Mayfield, KY: Tornado damage assessment
- Midtown Parking Garage - Atlanta, GA: Assessment of partially collapsed prestressed concrete parking structure
- Tomochichi Federal Courthouse - Savannah GA: Structural hazard assessment after partial collapse; construction engineering services
- K-VA-T Store - Georgetown, TN: Structural assessment of tornado damage
- IDI Warehouse - Atlanta, GA: Investigation of vehicular impact damage and repair design
- Stone Creek Elementary School and West Wilson Middle School - Mount Juliet, TN: Assessment of tornado damage and code-based review

Wood Structures

- Osprey Place Apartments - Charleston, SC: Assessment of metal plate-connected trusses and water/insect-damaged wood framing, repair design, and construction administration
- University of Tennessee, White Hall - Knoxville: Assessment of damaged and field modified metal plate-connected trusses, construction document review, and repair design
- 400 Meeting Apartments - Charleston, SC: Investigation of loading on wood floor trusses, construction document review, structural analysis, and repair design
- The Park at 366 - Cartersville, GA: Assessment of fire-damaged wood trusses
- De Luna Health Center - Pensacola, FL: Evaluation of metal-plate-connected wood trusses for construction deficiencies

Concrete Structures

- Vogtle Electric Generating Plant - Baxley and Waynesboro, GA: Structural inspections of power plant infrastructure
- Borghese Condominiums - Atlanta, GA: Investigation of cracking in post-tensioned, concrete parking garage
- Prestressed Concrete Residential and Commercial Parking Structures - Atlanta, GA: Condition assessments

Masonry

- Grady Memorial Hospital - Atlanta, GA: Construction administration services during multiyear brick masonry facade rehabilitation
- University of Georgia, Caldwell Hall - Athens: Investigation of concrete masonry unit wall and strengthening repair construction administration

Structural Metals

- Lake Charles Memorial Hospital - LA: Structural analysis of cold-formed, steel framing to support new roof system
- University of Tennessee, Orange Hall: Evaluation of cold-formed, steel trusses for construction deficiencies

Instrumentation/Monitoring/Load Testing

- Metromont Testing - Greenville, SC: Precast concrete corbel and insert load testing