PERSONNEL QUALIFICATIONS

Genevieve Davis | Associate III

EDUCATION

- Virginia Polytechnic Institute and State University
  - Bachelor of Science, Civil Engineering, 2020
  - Master of Science, Civil Engineering, 2021

PRACTICE AREAS

- Facade Assessment
- Construction Administration
- Historic Preservation
- Parking Structures
- Drone Survey
- Wood Structure Assessment
- Fiber Reinforced Polymer Repair Design
- Concrete and Steel Repair Design
- Repair and Rehabilitation Design

REGISTRATIONS

- FAA Part 107 Drone Pilot

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers

CONTACT

gdavis@wje.com
770.923.9822
www.wje.com

EXPERIENCE

Genna Davis joined WJE in 2022 and has participated in a variety of project types and practice areas. These include facade assessments, structural investigations and analysis, repair design, and construction administration. Through these projects, Ms. Davis has become familiar with various building materials, such as concrete, masonry, steel, and wood.

Prior to joining WJE, Ms. Davis gained experience in the design of blast-resistant structures through research programs with naval facilities and at Virginia Tech. She also gained knowledge of construction services through her time at a regional construction firm.

REPRESENTATIVE PROJECTS

Facade Assessment

- O'Keefe Building - Atlanta, GA: Condition assessment and water leakage investigation of a mass masonry facade
- Couch Building - Atlanta, GA: Facade condition assessment and water leakage investigation of a mass masonry facade

Construction Administration

- Multi-Family Apartment Complex - Nashville, TN: Construction administration services, including assessment and repair of wood framing, firestopping, and plumbing systems
- Grady Memorial Hospital - Atlanta, GA: Construction observation of through-wall flashing repair design and installation
- High-Rise Office Building - Atlanta, GA: Construction observation of granite panel facade maintenance repairs

Historic Preservation

- Fort Pickens - Pensacola, FL: Condition assessment, including analysis and development of a historic structures report for mass masonry and cast-in-place concrete structures constructed circa 1830 and the 1890s
- Holly Hill House - Roswell, GA: Condition assessment of a circa-1840 wood-framed historic structure

Parking Structures

- Peachtree Dunwoody Pavillion Parking Deck - Atlanta, GA: Assessment, analysis, and repair development for a concrete double tee with vehicle impact damage
- Tuscany at Lindbergh Parking Deck - Atlanta, GA: Condition assessment of a precast concrete parking deck and subsequent critical repair design, including steel corbel design and shear fiber reinforced polymer (FRP) reinforcement at double tee webs

Drone Survey

- University of North Alabama Rogers Hall - Florence, AL: Survey of historic copper roof to assess existing conditions
- Park Place on Peachtree - Buckhead, GA: Survey of unit balconies to determine locations of structural deterioration for further investigation

Wood Structure Assessment

- Morningside by Windsor - Atlanta, GA: Analysis and repair design of deteriorated top chords, bottom chords, and web members for wood trusses
- The Boulevard Apartments - Charleston, SC: Analysis and repair design for deteriorated wood framing, including columns and floor trusses during the construction administration process

Fiber Reinforced Polymer Repair Design

- Parking Structure - Detroit, MI: Analysis and repair design of FRP reinforcement of concrete pedestal columns
- Parking Structure - Charleston, MI: Analysis and repair design of flexural FRP reinforcement for cast-in-place concrete beams

Concrete and Steel Repair Design

- Parking Structure - Detroit, MI: Design of surface-mounted corbels to restore structural load path of existing concrete structure
- High-Rise Office Building - Omaha, NE: Design of repairs to corroded steel framing