



#### EDUCATION

- Georgia Institute of Technology
  - Bachelor of Science, Civil Engineering, 2012
  - Master of Science, Civil Engineering, 2013

#### PRACTICE AREAS

- Structural Analysis
- Parking Structures
- Repair and Rehabilitation
- Facade Assessment
- Construction Troubleshooting
- Masonry
- Failure/Damage Investigation

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- International Concrete Repair Institute

#### CONTACT

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#### EXPERIENCE

Kirk Moss has participated in numerous structural evaluations, investigations and repair designs since joining WJE in 2014. Mr. Moss has worked on a variety of structure types, including commercial, industrial, residential, and parking structures. His work consists of precast, post-tensioned, and conventionally reinforced concrete structures; concrete masonry, timber, and structural steel systems.

Prior to joining WJE, Mr. Moss gained experience working by completing multiple internships within the various disciplines of civil engineering including structural, geotechnical, materials testing, and general civil. He gained considerable experience in the design of structural systems, developed an understanding of the construction industry, and the role that owners, contractors, and designers play in successful project management.

#### REPRESENTATIVE PROJECTS

##### Structural Analysis

- Major Retail Store Chain - Nationwide: Investigation of steel framing connections for gravity and lateral load resistance
- Alpharetta City Center Parking Structure - Alpharetta, GA: Structural investigation of precast spandrel beams for construction defects
- Sheraton Gateway Hotel - Atlanta, GA: Evaluation of precast and prestressed concrete framing members in a three-story parking structure

##### Parking Structures

- Georgia Institute of Technology, North Campus Parking Structure - Atlanta, GA: Condition assessment and construction documents for five-story cast-in-place concrete parking structure

##### Repair and Rehabilitation

- Peachtree Creek Water Storage Tank - Atlanta, GA: Repair design for a damaged precast concrete curved dome
- Westchase Boulevard Parking Structure - Raleigh, NC: Structural analysis and repair design of for distressed precast concrete members
- Concourse Parkway Parking Structures - Atlanta, GA: Field investigation and repair documents for precast concrete double tees, precast concrete spandrel beams, and steel connections
- Twelve-story condominiums - Destin, FL: Condition assessment and repair documents for two reinforced masonry high-rise towers

##### Facade Assessment

- One Atlantic Center - Atlanta, GA: Condition survey and construction period services for repairs of existing fifty-story granite facade building and balconies
- Hyatt Midtown - Atlanta, GA: Condition survey and water leakage investigation of window and facade elements of midrise hotel building
- Thirty-story Office Building - Memphis, TN: Condition survey and construction period services of stabilization repairs to cast stone facade