



## PERSONNEL QUALIFICATIONS

### Coy M. Lawson | Associate III



#### EDUCATION

- Clemson University
  - Bachelor of Science, Civil Engineering, 2021
  - Master of Science, Civil Engineering, Structural Emphasis, 2023

#### PRACTICE AREAS

- Failure Investigation
- Nondestructive Evaluation
- Structural Analysis
- Repair and Rehabilitation
- Civil Infrastructure
- Aerial Survey
- Condition Evaluation

#### REGISTRATIONS

- FAA Part 107 Drone Pilot
- NC Engineer Intern Certification

#### PROFESSIONAL AFFILIATIONS

- National Council of Structural Engineers Associations

#### CONTACT

clawson@wje.com  
984.345.0630  
www.wje.com

#### EXPERIENCE

Since joining WJE in 2023, Coy Lawson has been involved in numerous structural investigations, condition assessments, analyses, and repair design projects throughout the Carolinas and southeastern United States. His work includes the evaluation and rehabilitation of concrete, masonry, steel, and light gauge metal structures for buildings, parking garages, and civil infrastructure. He routinely performs nondestructive evaluations using geophysical and ultrasonic methods, conducts aerial condition assessments of roofs and facades, and provides construction period services and performance verification testing during repair implementation. Prior to joining WJE, Mr. Lawson served in the United States Air Force, where he developed strong project management skills and problem-solving skills that continue to guide his engineering approach and client service.

#### REPRESENTATIVE PROJECTS

##### Failure Investigation

- Roof Truss Construction Collapse - Jacksonville, NC: Structural investigation, analysis, and remediation of light gauge metal roof truss system collapse
- River House Garage - Jacksonville, FL: Structural investigation and evaluation of partially collapsed parking garage
- United Therapeutics Garage - Durham, NC: Structural investigation, repair, and construction observation of overloaded parking garage

##### Nondestructive Evaluation

- Airport Taxiway - Raleigh, NC: Nondestructive evaluation of concrete pavement using geophysical and ultrasonic methods
- Historic Chapel - NC: Ultrasonic thickness testing of steel bell supports for condition evaluation and repair planning
- Duke Medical Center - NC: Nondestructive evaluation of lightweight concrete slab using geophysical and ultrasonic methods

##### Structural Analysis

- 1970s High-Rise Building - Coastal Carolinas: Nondestructive evaluation and punching shear analysis of deficient nineteen-story elevated slab structure

#### Repair and Rehabilitation

- Jordan Hall - Raleigh, NC: Masonry facade structural investigation and analysis, repair design, and construction observation
- Existing Highrise - Raleigh, NC: Light gauge metal facade structural investigation and analysis, retrofit design, and construction administration

#### Civil Infrastructure

- Liquefied Natural Gas (LNG) Tank Foundations - Cameron, LA: Condition assessment and monitoring of liquid natural gas tank support structures after incident
- I-235NB Bridge - Oklahoma City, OK: Specialized inspection of post-tensioned bridge and remedial grout installation
- Southern Nuclear Operating Company, Hatch and Vogtle Plants - GA: Visual condition assessment of all safety-related structures and components

#### Aerial Survey

- Metro 63 - Kannapolis, NC: 530,000-square-foot warehouse UAS IR roof survey
- Virginia State University - Petersburg, VA: UAS condition assessment of multiple roof types and inaccessible facades
- University of North Carolina, Kenan and Morehead - Chapel Hill: UAS assessment of architectural concrete facades

#### Condition Evaluation

- Duke Stone - Durham, NC: As-built survey, evaluation, and instrumentation of campus masonry structures and ornamentation
- Library Foundations - Annapolis, MD: Difficult access evaluation of foundation piles and grade beams
- Coastal Condominiums - Nags Head, NC: Evaluation of prestressed plank, oceanfront buildings
- VA Medical Center - Salem, VA: Masonry distress investigation and condition assessment
- Savannah Convention Center - GA: Evaluation of latex modified overlay on prestressed concrete parking garage