



## PERSONNEL QUALIFICATIONS

### Jason T. Norwood | Associate III



#### EDUCATION

- University of Arkansas
  - Bachelor of Science, Civil Engineering, 2017
  - Master of Science, Civil Engineering (Structures), 2018

#### PRACTICE AREAS

- Concrete Structures
- Failure/Damage Investigations
- Repair and Rehabilitation
- Historic Preservation
- Structural Analysis/Computer Applications
- Structural Metals
- Wood Structures
- Structural Design

#### REGISTRATIONS

- Professional Engineer in TX

#### PROFESSIONAL AFFILIATIONS

- International Concrete Repair Institute
- Precast/Prestressed Concrete Institute
- Structural Engineers Association of Texas

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2019, Jason Norwood has worked on various projects involving parking garages, commercial buildings, warehouse structures, and residential homes. Mr. Norwood's projects include investigation and assessment of damaged structures, involving various building materials, structural analysis, and repair design.

While studying at the University of Arkansas, Mr. Norwood was a research assistant in the Steel Structures Research Laboratory, where he researched eccentric continuity plate alignment at steel beam-to-column moment connections using finite element analysis.

#### REPRESENTATIVE PROJECTS

##### Concrete Structures

- University of Texas Southwestern Medical Center - Dallas: Construction observations during concrete repairs and waterproofing of twelve parking garages
- Porter Elementary School - Mesquite, TX: Concrete repair design and foundation strengthening with micropiles
- Parking Garage - Birmingham, AL: Structural evaluation of dapped precast concrete double-tees
- Legacy Commons Parking Garage - Plano, TX: Condition assessment and design of repairs for post-tensioned garage

##### Failure/Damage Investigations

- Commercial Building - Dallas, TX: Post-tornado damage evaluation
- Hartell Hall - Fort Sill, OK: Investigation and repair design for distressed concrete columns
- Lake Pump Station - North Texas: Investigation of precast insulated wall panel cracking
- Warehouse - Dallas, TX: Investigation of roof collapse
- School - Trophy Club, TX: Investigation and analysis of wood roof collapse
- Warehouse Facility - Dallas, TX: Investigation of steel-framed roof that collapsed during a rainstorm

##### Repair and Rehabilitation

- 2220 Chemsearch - Irving, TX: Structural evaluation of building/slab movement and repair design
- 21 Turtle Creek Condominiums Parking Garage - Dallas, TX: Condition assessment and repair design for below-grade, concrete parking structure
- 21 Turtle Creek Condominiums Balconies - Dallas, TX: Assessment of concrete balconies, repair construction documents, and construction period services
- John Kincaide Stadium - Dallas, TX: Repair design of structural slab
- Porter Elementary School - Mesquite, TX: Investigation and repair of foundation on expansive soils

##### Historic Preservation

- 711 Elm Street - Dallas, TX: Evaluation and materials testing of c. 1925 concrete parking garage
- Old Dallas Morning News Building - Dallas, TX: Concrete and reinforcing steel strength testing for c. 1949 concrete structure
- Borger Aluminum Dome - Borger, TX: Structural assessment of 1950s aluminum geodesic dome

##### Structural Metals

- Creekside Retail Center - Dallas, TX: Assessment of corrosion of steel framing related to damp crawl space
- NorthPark Center - Dallas, TX: Design and construction observations for replacement steel stair towers in parking garage
- Collin County Government Facility - Plano, TX: Corrosion investigation and design of repairs for elevated walkway
- Light Pole Assessment - Grapevine, TX: Inspections and nondestructive evaluation of steel light poles related to corrosion
- Aluminum Canopies - Prosper, TX: Investigation of aluminum canopy collapses and failure analysis

##### Structural Design

- Church - Dallas, TX: Repair design and design of structural modifications for and enhancements of existing warehouse