

### Katelyn Low | Associate III



#### EDUCATION

- University of Texas at Austin
  - Bachelor of Science, Architectural Engineering, 2014
  - Master of Science, Civil Engineering, 2016

#### PRACTICE AREAS

- Concrete Structures
- Repair and Rehabilitation
- Instrumentation/Monitoring/Load Testing
- Litigation Consulting
- Bridges and Civil Infrastructure

#### PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- Structural Engineers Association of Texas (SEAoT)

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2016, Katelyn Low has been involved in a variety of different assessments of new and existing structures. Her project work experience includes the evaluation, design, and rehabilitation of different concrete, steel, and wood structures.

Prior to joining WJE, Ms. Low worked on a variety of reinforced concrete projects at The University of Texas as a graduate research assistant. Her research focused on the rehabilitation of beams with deficient lap splices through use of post installed anchors. Ms. Low was also involved in research that examined the effects of alkali-silica reaction (ASR) on shear and flexural capacity.

#### REPRESENTATIVE PROJECTS

##### Concrete Structures

- Edwin I. Hatch Nuclear Plant - Baxley, GA: Structural Monitoring Program of Unit 1
- Metromont Precast Plant - Bartow, FL: Quality control of precast elements
- Chase Bank Call Center - San Antonio, TX: Construction observations of tunneling and shoring system
- Palo Verde Water Reclamation Facility - Tonopah, AZ: Repair design and construction observations

##### Repair and Rehabilitation Design

- University of Texas Art Building - Austin, TX: Increase capacity of existing roofing structure to withstand additional roofing load
- Chase Bank - San Antonio, TX: Evaluation of expansion joint distress and design expansion joint modification
- Residential Home - Austin, TX: Repair design of low strength concrete
- Hotel Van Zandt - Austin, TX: Assessment of construction joint and design of carbon fiber reinforced polymer (CFRP) strengthening repair

##### Instrumentation/Monitoring/Load Testing

- Double-tee Beams - TX: Load testing of prestressed beams to determine cause of cover-stem spalling
- University of Texas at Austin, Speedway and 27th Street Garage - Austin, TX: Quality Assurance testing on installed CFRP system
- Texas A&M University, McFerrin Building - College Station, TX: Cable assessment and instrumentation

##### Litigation Consulting

- Residential Home - Austin, TX: Evaluation of foundation-related distress
- Low-Rise Office Building - Corpus Christi, TX: Evaluation of pavement distress and repair recommendations
- Low-Rise Education Building - La Joya, TX: Evaluation of reported structural defects
- Midrise Office Building - San Antonio, TX: Evaluation of foundation-related distress

##### Bridges and Civil Infrastructure

- St. David's Medical Center - Austin, TX: Structural assessment of concrete distress in walkway
- University of Texas Southwest Parking Garage - Dallas, TX: Assessment of parking garage distress and repair documentation
- University of Texas Darrel K. Royal Stadium - Austin, TX: Assessment of various concrete coating systems
- Brushy Creek Water Treatment Facility - Cedar Park, TX: Concrete repairs, and steel and concrete coating installation