

### Katelyn Low | Senior Associate



#### EDUCATION

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

#### REGISTRATIONS

- Professional (Civil) Engineer in AZ
- Professional Engineer in NC and TX

#### PRACTICE AREAS

- Bridges and Civil Infrastructure
- Structural Analysis
- Repair and Rehabilitation Design
- Litigation Consulting

#### 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

##### Bridges and Civil Infrastructure

- Edwin I. Hatch Nuclear Plant - Baxley, GA: Structural Monitoring Program of Unit 1
- Wolf Creek Generating Station - Burlington, KS: Condition assessment, repair design, and construction observations
- Palo Verde Water Reclamation Facility - Tonopah, AZ: Condition assessment, repair design, and construction observations
- Davis-Besse Nuclear Plant - Oak Harbor, OH: Concrete repair and formwork design
- Wharf City Dock 23, Port of Houston - Houston, TX: Structural analysis and technical specification development
- Brushy Creek Water Treatment Facility - Cedar Park, TX: Concrete repairs and steel and concrete coating installation
- Bay County Water Treatment Plant - Panama City, FL: Condition assessment of concrete structures

##### Structural Analysis

- St. David's Medical Center - Austin, TX: Structural assessment of concrete distress in walkway
- University of Texas Southwestern, Parking Garage - Dallas: Assessment of parking garage distress and repair documentation
- Hurricane Harvey Recovery Efforts - Rockport, TX: Structural evaluation, repair design, and construction observations of multiple structures with hurricane-related distress

##### Repair and Rehabilitation Design

- University of Texas at Austin (UT Austin), Art Building: Increase of 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
- Schoenstatt Movement Shrine - Austin, TX: Repair design of masonry retaining wall
- Village Creek State Park - Lumberton, TX: Repair design of wood-framed structures
- UT Austin, Darrel K. Royal Stadium: Assessment of concrete distress and repair design
- University of North Texas, Life Science Building - Denton: Evaluation of concrete distress and repair design
- Texas A&M University, Residence Halls - College Station: Evaluation of concrete distress and repair design

##### 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
- Mid-Rise Office Building - San Antonio, TX: Evaluation of foundation-related distress
- Wastewater Treatment Plant - FL: Evaluation of reported structural defects
- Mid-Rise Office Building - Austin, TX: Evaluation of pavement distress
- Wastewater Treatment Plant - Fort Worth, TX: Evaluation of foundation-related distress and reported structural defects
- Mid-Rise Office Building - Austin, TX: Evaluation of reported structural defects
- Tollway - Dallas, TX: Evaluation of contractual obligations