



MICHAEL AHERN, P.E. PRINCIPAL

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REGISTRATIONS

- Professional Engineer: NV, TX

HONORS AND AWARDS

- ACI 2021 Excellence in Concrete Construction Award
- ICRI 2020 Project of the Year and Award of Excellence
- ICRI 2014 Award of Excellence

PROFESSIONAL ACTIVITIES

- American Concrete Institute
Committee 117 Tolerances – Chair
Subcommittee 318A – Member
Financial Advisory – Member
Committee 224 Cracking – Member
- Structural Engineers Association of Texas
- International Concrete Repair Institute
- American Society of Civil Engineers

EDUCATION

University of Florida
BSCE, 2003

The University of Texas at Austin
MS Structural Engineering, 2005

The University of Texas at Austin
Master of Business Administration, 2014

EXPERIENCE

Michael has a strong technical background and the ability to understand client priorities. He breaks down complex problems to the level needed for general understanding and necessary action, such as repair. He prides himself on project management, effective communication, and working with other parties to solve problems.

REPRESENTATIVE PROJECTS

Trinity Parking Garage - Led investigation and repair design of a post-tensioned beam with deviated profile. Performed construction administration during the beam repairs.

Resort Load Tests - Led load tests of post-tensioned concrete slabs at a resort facility under construction. Implemented the load tests, both applying test load and monitoring structural response.

Austonian Exposed Slab Repairs - Investigated, designed, and performed construction administration on exposed concrete slab edges. Worked with the contractor to develop the repair design and implement collaborative solutions.

Deflection Investigation - Led an investigation of a building experiencing excessive deflection problems. Performed non-destructive testing, and structural analyses.

Water Treatment Plant - Reviewed construction documents and expert reports. Developed repair concepts for a filter basin within a water treatment plant. Performed non-destructive testing.

Aircraft Bridge Analysis - Reviewed construction documents, design calculations, and analysis results for a concrete bridge intended to support large commercial aircraft.

Wastewater Treatment - Led an investigation to evaluate the structural condition of twelve concrete clarifiers preceding a major rehabilitation of the facility. Made recommendations to the city.

Pool Investigation - Led investigation and analyses of an elevated pool structure at a residence. The pool was shotcrete supported by cast-in-place concrete slabs, beams, and columns.