



#### EDUCATION

- Azad University
  - Bachelor of Science, Civil Engineering, 2005
- Jawaharlal Nehru Technology
  - Master of Science, Structural Engineering, 2012
- University of Texas at San Antonio
  - Doctor of Philosophy, Structural Engineering, 2023

#### PRACTICE AREAS

- Failure and Damage Investigation
- Structural Evaluation and Rehabilitation
- Design Rehabilitation
- Design and Construction Administration

#### REGISTRATIONS

- Professional Engineer in TX

#### PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers

#### CONTACT

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#### EXPERIENCE

Ehsan Vafaeihosseini is engaged in structural evaluations, forensic investigations, and construction administration services for various structures, including commercial buildings, parking garages, and infrastructure facilities. His projects include structural assessments, field investigations, and condition surveys to support rehabilitation design and litigation-related services. Dr. Vafaeihosseini specializes in identifying structural deficiencies, evaluating code compliance, and assessing serviceability.

#### REPRESENTATIVE PROJECTS

##### Failure and Damage Investigation

- Tower of the Americas - San Antonio, TX: Conducted assessment of concrete shaft to evaluate structural condition
- University of Texas at San Antonio, Health Palo Alto: Structural investigation following the collapse of stair tower
- Villa Rosa Medical Plaza - San Antonio, TX: Structural condition assessment
- Samsung - Taylor, TX: Nondestructive testing as part of structural assessment at large semiconductor manufacturing facility
- 3M Building - San Antonio, TX: Structural condition assessment and monitoring
- Port San Antonio - TX: Condition survey and structural health monitoring
- WIPP Facility - Carlsbad, NM: Assessment of suspected post-installed anchors in precast panels at the salt reduction and new filter buildings
- AutoZone - San Antonio, TX: Structural distress assessment

##### Structural Evaluation and Rehabilitation

- Dominion Bridge - San Antonio, TX: Condition assessment and rehabilitation design recommendations for aging bridge infrastructure
- Merchants Ice House - San Antonio, TX: Restoration of 100-year-old mass masonry structure previously used to store ice into Class A office space

##### Design and Construction Administration

- Oscar Eason Senior Apartments - San Antonio, TX: Structural design and field engineering for trench drains, concrete masonry unit walls, and load-bearing components; design and documentation of repairs for concrete foundation tie beams and wood floor trusses.