



### REGISTRATIONS

Texas, E.I.T. License No. 71675

### EDUCATION

**The University of Texas at Austin**  
*B.S. Civil Engineering, 2020*

### PRACTICE AREAS

- Forensic Investigation
- Structural Evaluation, Analysis, and Design
- Repair and Remediation
- Destructive and Non-Destructive Testing

### PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- American Concrete Institute, Central Texas Chapter

### EXPERIENCE

Chian Hen (Henry) Tam has performed detailed condition assessments at CA involving construction methods, design defects and material failures. While at CA, Henry has also performed evaluations of existing structures involving nondestructive testing services.

Prior to joining CA, Henry worked as an undergraduate research assistant with the Center for Transportation Research at The University of Texas at Austin (UT). The research involved conducting small pullout box tests and shear fatigue tests to evaluate the reinforcement benefits of geosynthetics for various layers of a flexible pavement system. The results obtained in the testing program were used by TxDOT to develop specifications for geosynthetic-stabilized roadways.

As a student in the Civil Engineering program at UT, Henry worked on various projects, including a structural analysis and design of a 6-story reinforced concrete building. He also worked with the City of Austin to create a schematic design and cost-estimation of improvements to the intersection at Mopac Frontage Road and Southwest Parkway.

### SELECTED PROJECTS

#### Forensic Investigation

- Investigation of Electrical Transmission Monopole Baseplate Welds in West Texas
- Investigation of Tilt-Up Wall Construction Failure in Austin, TX
- Investigation of Concrete Quality from a Ready Mix Plant in Rhome, TX
- Investigation of CPCD Pavement Distress in Greenville, TX
- Investigation of the Construction of a Slab on Grade Foundation of a Showroom in McAllen, TX
- Investigation of Low Strength Concrete in a Water Tower in Moseley, VA

#### Structural Evaluation, Analysis, and Design

- Analysis of Cast-In-Place Concrete Girder: Corpus Christi, TX
- Thermal Modeling of Mass Concrete: Odessa, TX

#### Destructive and Non-Destructive Testing

- Ground Penetrating Radar (GPR) Scanning and Core Sampling from Shotcrete Residential Swimming Pools: Austin, TX
- Elevation Survey of Slab-On-Grade with a Rotary Laser and Altimeter: Austin, TX

### CONTACT INFO

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