



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 Nondestructive Testing

PROFESSIONAL AFFILIATIONS

- American Concrete Institute (ACI)
- American Concrete Institute, Central Texas Chapter
- American Society of Civil Engineers (ASCE)

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 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). His 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 intersection improvements to Mopac Frontage Road and Southwest Parkway.

SELECTED PROJECTS

Forensic Investigation

- 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
- Investigation of a Concrete High-Rise Building in Austin, TX

Destructive and Non-Destructive Testing

- Ground Penetrating Radar (GPR) Scanning of a Concrete High-Rise Building: Austin, TX
- Small Pullout Box Tests for TxDOT Geogrid Samples: Austin, TX
- Shear Fatigue Tests for Geosynthetic-Reinforced Asphalt Specimens: Austin, TX

CONTACT INFO

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