PERSONNEL QUALIFICATIONS

Michael A. Greer | Principal and Unit Manager

EDUCATION

- California State University, Chico
  - Bachelor of Science, Civil Engineering, 2007
- Stanford University
  - Master of Science, Structural Engineering, 2010

PRACTICE AREAS

- Failure Investigation
- Structural Design
- Repair and Rehabilitation Design
- Condition Surveys
- Historic Preservation

REGISTRATIONS

- FHWA-NHI Trained Bridge Inspector
- Professional Engineer in CA, GU
- Structural Engineer in CA, GU, and HI

PROFESSIONAL AFFILIATIONS

- American Council of Engineering Companies of Hawaii
- Structural Engineers Association of Hawaii

AWARDS

- 2007 ASCE Award for Professionalism

CONTACT

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EXPERIENCE

Michael Greer conducts numerous structural failure investigations, including fire, flood, corrosion, earthquake, and volcano damage. He also has expertise in the design and retrofit of structures and condition surveys. Mr. Greer is experienced with investigations of material-related defects and distress, notably with structural metals and concrete. He has served as an expert witness for several construction defect claims.

Mr. Greer completed the ACECH Emerging Leaders Program in 2019 and served as president of the Structural Engineers Association of Hawaii in 2023.

REPRESENTATIVE PROJECTS

Failure Investigation

- Volcano Damage - Puna, HI: Numerous investigations of reported damage due to effects of volcanic eruption
- Explosion and Fire Damage (Power Plant) - Piti, Guam: Structural condition survey of fire and explosion damage
- Kings Gate Condominium - Honolulu, HI: Investigation of fire and explosion damage at a high-rise condominium
- Fire Damage - Honolulu, HI: Fire damage investigation of single-family residence in Diamond Head neighborhood
- Earthquake Damage (Volcano) - HI: Investigation of reported earthquake damage to personal residence
- Fuel Tank Collapse - Anderson AFB, Guam: Investigation of failure of on-grade steel fuel tank
- School Fire Damage - Kahului, HI: Investigation of structural damage from fire to steel, concrete masonry unit, and concrete structure
- Flood Damage - Hanalei, HI: Investigation of flood damage to personal residence
- Wind Turbines - Maui, HI: Investigation of leaning wind turbines

Structural Design

- Waialua High and Intermediate School - Waialua, HI: Design for strengthening of existing gymnasium to be a hurricane shelter
- Ala Moana Ewa Expansion - Honolulu, HI: Design of new stone facade anchors
- Ritz Carlton Residences - Honolulu, HI: Design of new stone feature wall anchors

Repair and Rehabilitation Design

- Aloha Stadium - Honolulu, HI: Investigation and design of repairs to address ongoing corrosion
- Kauai Beach Resort - Lihue, HI: Design of repairs to metal roof framing due to advanced corrosion
- Waimanalo Gymnasium - Waimanalo, HI: Repair design to address falling metal washers
- Queen Kapiolani Hotel - Honolulu, HI: Design of repairs to concrete facade
- Hilo Federal Building - HI: Design of structural supports for new elevators in existing structure with limited as-built information
- Hawaii State Capitol - Honolulu: Investigation and structural design for replacement of fifth-level facades, upper roof, and fourth-floor lanais
- Kaka'ako Commerce Center - Honolulu, HI: Parking deck corrosion investigation and repair design
- Banyan Tree Plaza - Honolulu, HI: Window wall repair design due to walking glass

Condition Surveys

- Fort Weaver - HI: Investigation of corrosion at steel hangar
- Joint Base Pearl Harbor-Hickam - HI: Investigation and schematic design of premature corrosion at hangar under construction
- Marine Corps Base Hawaii: Investigation of metal panel deformations and premature corrosion at hangar
- Shearwater - Princeville, HI: Investigation of wood deterioration at condominium
- Joint Base Pearl Harbor-Hickam - HI: Investigation of issues with drydock thimbles, including steel and concrete elements