

Aaron Erickson | Senior Associate



EDUCATION

- University of Hawaii at Manoa
 - Bachelor of Science, Civil Engineering, 2004
 - Master of Science, Civil Engineering, 2007

PRACTICE AREAS

- Failure Analysis
- Repair and Rehabilitation
- Stadiums and Arenas
- Wood Testing and Analysis
- Bridges
- Concrete
- Earthquake Damage Assessment
- Fire Damage
- Failure/Damage Investigations

REGISTRATIONS

- LEED Accredited Professional
- FHWA-NHI Trained Bridge Inspector, including fracture critical inspection techniques
- SPRAT Rope Access Technician - Level 1

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers Young Members Forum, past president
- Engineers and Architects of Hawaii, past president
- Structural Engineers Association of Hawaii, past director

CONTACT

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EXPERIENCE

Aaron Erickson conducts investigations of concrete, steel, and wood structures. Most of his projects involve deterioration, distress, or structural failure. Mr. Erickson's projects also frequently include repair design and construction observation services. His experience includes vibration studies, nondestructive testing, computer modeling of structures, and wood testing and analysis.

Before joining WJE, Mr. Erickson worked at the Hawaii firms of SSFM International, Inc., and Wilson Okamoto Corporation. While at these firms, he was responsible for structural design and plan preparation for new construction, and investigation and rehabilitation of existing structures.

REPRESENTATIVE PROJECTS

Failure Analysis

- Ford Island - Pearl Harbor, HI: Assessment of stainless steel corrosion
- Guam Water Tanks - Yigo, Guam: Analysis of precast concrete roof collapse,
- Kona Bali Kai - Kona, HI: Analysis of suspended ceiling collapse

Repair and Rehabilitation

- Century Center - Honolulu, HI: Emergency concrete facade assessment and repairs, other concrete repair, and construction observation
- F3-F5 Pier - Pearl Harbor, HI: Concrete condition survey and overlay delamination assessment
- Makiki Plaza - Honolulu, HI: Retrofit corroded doors and frames
- Redondo's LLC - Waipahu, HI: Blast damage assessment, repair design, and construction observation

Stadiums and Arenas

- Aloha Stadium Structural Certification Study and Retrofits - Halawa, HI: Assistance with wind, coating, seismic, vibration, and historical studies; design and construction period services for various retrofits including structural repairs and upgrades of the structural steel and reinforced concrete facility, roof replacement, corrosion protection, new railings, vibration control, and others

Wood Testing and Analysis

- Hale Ho'omalulu - Honolulu, HI: Structural analysis related to termite damage assessment
- Ward Warehouse - Honolulu, HI: Timber truss assessment and repair

Bridges

- Reed's Island Bridge - Hilo, HI: Investigation for structural upgrades, and field observations of WJE designed repairs.
- Wa'awa'a Stream Bridge - Hakalau, HI: Assessment of privately owned road bridge
- Wahiawa Botanical Gardens - Wahiawa, HI: Assessment and repair design of steel arch footbridge

Concrete

- Century Center - Honolulu, HI: Structural repairs to post-tensioned and conventional concrete parking structure and high-rise building
- Hyatt Place Waikiki - Honolulu, HI: Structural repairs to post-tensioned and conventionally reinforced parking structure and towers
- Lunalilo Towers - Honolulu, HI: Structural repairs to conventionally reinforced concrete parking structure and high-rise building
- Rainbow Place - Honolulu, HI: Structural repairs to post-tensioned and conventional concrete parking structure and high-rise building
- Walmart Downtown - Honolulu, HI: Structural repairs to post-tensioned and conventional reinforced parking structure