

Kimm Miyahira | Associate III



EXPERIENCE

Since joining WJE in 2022, Kimm Miyahira has been involved in projects related to condition assessments and evaluations of various existing buildings and structures. She has developed documents for the repair of distressed conditions and has observed construction of repairs of concrete and masonry structures.

Ms. Miyahira has worked with various materials, such as precast/cast-in-place concrete, structural steel, wood, and concrete masonry units (CMUs).

Construction Observation Services

- Aston Mahana - Kaanapali, HI: Spall repair, waterproofing, and coating observation
- Royal Hawaiian Center Parking Garage - HI: Initial condition assessment and construction period services
- YWCA Laniakea Structural Repairs - Honolulu, HI: Construction period services for concrete repairs of foundation crawlspace
- AOA O Hualani - Honolulu, HI: Construction troubleshooting for concrete repairs to fifteen-story structure

Structural Analysis

- IBM Rock Wall - Honolulu, HI: Calculation of capacities of existing structural members for new lava rock wall installation
- Royal Court Garage Repairs - Honolulu, HI: Calculation of capacity of existing two-way, post-tensioned slab for new grill enclosure on pool deck
- Whaler Foundation Analysis - Kaanapali, HI: Structural analysis of existing basement-level shear wall of twelve-story tower for new door installation

EDUCATION

- Texas A&M University
 - Bachelor of Science, Civil Engineering, 2020
 - Master of Science, Structural Engineering, 2021

PRACTICE AREAS

- Bridges and Civil Infrastructure
- Repair and Rehabilitation
- Construction Observation Services
- Structural Analysis
- Computer-Aided Drafting

PROFESSIONAL AFFILIATIONS

- Structural Engineers Association of Hawaii (SEAOH)

CONTACT

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REPRESENTATIVE PROJECTS

Bridges and Civil Infrastructure

- Hawaii Department of Transportation Bridge Inspections - Oahu: Routine inspections and documentation of distress conditions
- Regency Park - Honolulu, HI: Condition assessment of masonry retaining walls and concrete structures
- City and County of Honolulu Parking Garages - Oahu, HI: Architectural and structural assessments
- Waikiki Skyliner Parking Garage - Honolulu, HI: Inspection and documentation of concrete parking garage

Repair and Rehabilitation

- The Esplanade Wall - Honolulu, HI: Limited investigation of CMU distress at the boat storage rooms
- Pacific International Core Testing - Honolulu, HI: Investigation of fire damage to assess damage to structural members
- Bank of Hawaii Garage - Honolulu: Field assessment and structural analysis of middle-supported parking level and visual survey of exterior facade
- Adhered Veneer Stone Units - Honolulu, HI: In situ ASTM C1823 shear bond strength testing of adhered stone floor tile units