



EXPERIENCE

Kari Klaboe has performed investigations on a wide range of structures, including steel, concrete, wood, and masonry. Ms. Klaboe's experience includes seismic performance evaluation and seismic retrofit design of modern and historic buildings; and repair and rehabilitation of structures damaged due to natural disasters, fire-damage, or deterioration such as wood decay or corrosion. Her work has included investigations of structures in the United States and abroad, with a focus on post-earthquake damage assessment of buildings.

EDUCATION

- Michigan Technological University
 - Bachelor of Science, Civil Engineering, 2009
- Purdue University
 - Master of Science, Civil Engineering, 2011

PRACTICE AREAS

- Concrete Structures
- Earthquake Damage Assessment
- Earthquake Engineering
- Failure/Damage Investigations
- Repair and Rehabilitation
- Seismic Repair and Retrofit
- Structural Evaluation

REGISTRATIONS

- Civil Engineer in CA
- Structural Engineer in CA

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Earthquake Engineering Research Institute (EERI)
- Structural Engineers Association of Northern California (SEAONC)

CONTACT

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REPRESENTATIVE PROJECTS

Structural Evaluation

- Harmon Tower - Las Vegas, NV: Investigation and nonlinear seismic analysis of a high-rise reinforced concrete building
- Liberian Port Silo - Liberia, Africa: Code review and determination of granular material loads for a reinforced concrete silo
- Multifamily Residential Buildings - HI: Code and design review for wind loading for multifamily residential buildings
- Courthouse Square - Salem, OR: Investigation of slab deflections and load testing of a five-story office building and below-grade parking structure
- McGuire Building - Seattle, WA: Nonlinear seismic analysis of a twenty-five-story reinforced concrete building

Repair and Rehabilitation

- San Francisco International Airport Viaduct - CA: Condition assessment of prestressed concrete elevated roadway
- Parking Garages - Stanford, CA: Condition assessments of multiple post-tensioned parking garage structures and testing of in-place post-tensioning tendons
- Office Building - Mumbai, India: Structural assessment and repair to address corrosion and chloride contamination at a reinforced concrete, post-tensioned office building
- Historic Adobe Building - Santa Fe, NM: In-field testing for decay in wood vigas in roof framing of building listed as a National Historic Landmark

Seismic Repair and Retrofit

- Heart Mountain Chimney - Park County, WY: Nonlinear seismic analysis and retrofit design of historic unreinforced masonry chimney at National Historic Landmark site
- Historic Structure - Hanford, WA: Seismic performance evaluation of historic steel and masonry building listed as a National Historic Landmark
- Riggers Loft - Richmond, CA: Seismic retrofit design of historic World War II shipbuilding facility listed on National Register of Historic Places

Failure/Damage Investigations

- Jet Fuel Tank - Andersen AFB, Guam: Investigation of partial roof collapse at above-ground, closed-top steel jet fuel tank
- Multifamily Residential Buildings - CA: Structural assessment and repair design to address wood decay at various residential buildings in northern California
- Earthquake Damage Assessment: Post-earthquake damage assessments of multiple properties following earthquakes in Puerto Rico, Mexico, California (Napa), and Haiti

Earthquake Engineering

- FEMA P-1100 Working Group: *Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings*
- U.S. Department of State: Seismic assessment of existing residential buildings in Italy and Mexico

Litigation Consulting

- Office Building - San Francisco, CA: Investigation of reinforced concrete, deep foundations for a high-rise office building
- Apartment Building - Los Angeles, CA: Investigation of damage claims for podium-style apartment building with below-grade reinforced concrete parking structure