PERSONNEL QUALIFICATIONS

Daniel H. Eilbeck | Associate Principal

EDUCATION

- California Polytechnic State University
  - Bachelor of Science, Architectural Engineering, 1987

PRACTICE AREAS

- Concrete Assessment
- Historic Preservation
- Fire Damage Investigation
- Seismic Damage Assessment
- Seismic Evaluation
- Facade Assessment
- Masonry Structures
- Repair and Rehabilitation Design
- Wood Structures

REGISTRATIONS

- Civil Engineer in CA

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- Association for Preservation Technology International
- International Concrete Repair Institute

CONTACT

deilbeck@wje.com
510.428.2907
www.wje.com

EXPERIENCE

Daniel Eilbeck has more than twenty-five years of experience in the evaluation and repair of existing structures, ranging from concrete bridges to historic wood-framed cottages. His work has included structural engineering assessment as well as evaluation and materials conservation of historic building facades. Mr. Eilbeck has performed architectural and structural engineering evaluations of wood, steel, concrete, and masonry structures—including preparation of drawings and specifications and construction administration.

Mr. Eilbeck has extensive experience with masonry facades exhibiting surface deterioration, corrosion, structural problems, and water intrusion—including evaluations of brick, stone, terra cotta, and concrete. He is also experienced in nondestructive evaluation, corrosion testing, and monitoring of concrete structures.

Mr. Eilbeck's structural engineering work has included repair designs, seismic upgrade designs, and studies of the structural behavior of traditionally nonengineered materials and systems. His projects have received three California Preservation Design Awards and the SEAONC Award of Excellence.

REPRESENTATIVE PROJECTS

Concrete Assessment

- Alcatraz Cellhouse - San Francisco, CA: Long-term corrosion potential monitoring of concrete facade
- Sixth Street Viaduct - Los Angeles, CA: Evaluation of alkali-silica reaction cracking in a historic concrete bridge
- County of Los Angeles Storm Channels - Los Angeles, CA: Destructive and nondestructive testing of concrete drainage channel walls
- Century Plaza Hotel (now Hyatt Regency Century Plaza) - Los Angeles, CA: Evaluation, repair design, and construction administration of failing concrete balconies

Historic Preservation

- Washington Monument - Washington, D.C.: Repair of earthquake damage to historic marble monument
- One Market Street - San Francisco, CA: Brick and terra cotta facade restoration
- RC Chronicle Building - San Francisco, CA: Restoration of historic brick, terra cotta, and sandstone facade
- The Russ Building - San Francisco, CA: Terra cotta facade restoration
- Saints Peter and Paul Church - San Francisco, CA: Cast stone facade repair and reconstruction
- San Diego Museum of Art and the San Diego Museum of Man - CA: Evaluation and repair of historic cast stone ornamentation
- Westin St. Francis - San Francisco, CA: Sandstone and brick facade restoration

Fire Damage Investigation

- MacArthur Maze Collapse - Oakland, CA: Evaluation of fire-damaged concrete highway structure
- Powell Street Bridge - Emeryville, CA: Evaluation of fire-damaged prestressed concrete bridge girders
- Los Angeles County of Public Health Services - CA: Evaluation of concrete slab and precast panels damaged by fire

Seismic Evaluation

- Crystal Cove State Park - Newport Beach, CA: Seismic evaluation and repair of historic wood-framed cottages
- Saints Peter and Paul Church - San Francisco, CA: Seismic evaluation and repair of steeples
- Geneva Office Building - San Francisco, CA: Seismic evaluation, temporary stabilization, and schematic repair design of historic unreinforced masonry building
- Cuyamaca Rancho State Park, Dyar House – San Diego County, CA: Structural stabilization of historic stone building gutted by wildfire
- The Villas of Walnut Creek - Walnut Creek, CA: Seismic evaluation and repair of wood-framed multiunit structures