
Azeddine Bahloul is a Senior Engineer with over 15 years of experience in the geotechnical engineering field. His experience includes consulting and forensic engineering in California and Arizona. His responsibilities have included engineering and design, project management, along with quality control/quality assurance. Azeddine is an experienced engineer in the field of geotechnical engineering, and is familiar with the current technologies available in this field. His education includes research and development in liquefaction and limit state design as he worked towards his graduate and doctorate degrees.

Education

- Ph.D. Program, Civil Engineering – Geotechnical, École Polytechnique de Montréal, Canada 1998
- M.S. Solids and Structures Mechanics - Geotechnical, Diplôme des Études Approfondies École Nationale des Ponts et Chaussées, Paris, France 1990
- B.S. Civil Engineering (Public Works) École Nationale des Travaux Publics, Algiers, Algeria 1988

Licenses & Affiliations

- Professional Engineer – California;
- Geotechnical Engineer – California;
- American Society of Civil Engineers (ASCE);
- American Concrete Institute (ACI)

TECHNICAL CAPABILITES

- .. Shallow and deep foundation analysis and design
- .. Roadway and bridge studies (materials and foundations reports)
- .. Engineering analyses of slope, seismicity, liquefaction, etc.
- .. Deterministic and probabilistic seismicity evaluations
- .. Regional liquefaction evaluations
- .. Field engineering and forensic investigations
- .. Quality control/ quality assurance

PROJECT EXPERIENCE

Levees, Treatment Plants, and Critical Facilities

City of Fort Bragg Newman Gulch Reservoir Preliminary Studies;
Fall River Mills Wastewater Facility Modification;
Ambrosini School Expansion, Fortuna, CA;
Weed Public Safety Facility, Weed, CA;
Arcata School Child Care Facility, Arcata, CA; Eureka School District Education Resource Center; California Army National Guard Expansions, Eureka, Redding, Mt. Shasta, and Chico, CA;
Fairchild Medical Center Critical Care Nursing Facility, Yreka, CA;
RABA Facility Expansion, Redding, CA.
Redwood Creek Levee, Orick, CA
Burney Flood Wall, Burney, CA

Retaining Wall & Settlement Projects

Buckeye Pines Retaining Walls, Redding, CA; Martin Residence MSE Wall Design, Redding, CA;
Mizeur Retaining Walls, Shastina Lake, Siskiyou, CA;
Composite Raft Foundation, Rhonerville School District, Fortuna, CA;

Pipelines, Tanks, and Pump Stations

City of Redding's Jenny Creek Sewer Pipeline & Lift Station;
City of Redding's Butte Street Water Pipeline;
Stillwater Business Park Sewer Pipelines, Shasta County, CA;

Highway, Bridge & Airport Projects

Asphalt Concrete Quality Control Plan, Kings County, CA
Design Engineer for bridges, road works, and soils laboratory for Algeria Department of Transportation
Stillwater Business Park, North Bridge, Shasta County, CA;
Stillwater Business Park, South Bridge, Shasta County, CA;
SPI Shingletown Bridge, Shingletown, Shasta County, CA;
Roadway and Slope Failure Analyses, Shasta County, CA;
Redding Airport Taxiway Improvements, Redding, CA;
Redding Airport New Hangar & Road Expansions, Redding, CA;
Lampson Field Expansion, Lake County, CA;
Klamath Falls International Airport Drainage Improvements, Klamath Falls, OR;
Lauderdale Road Design, Weaverville, CA;
Cascade Boulevard Realignment, Shasta Lake City, CA