



GREG BELLAS
Senior Engineer
California Civil Engineer No. 40517

EDUCATION

M.S., Civil Engineering (Geotechnical), University of California at Berkeley, 1985
B.S., Civil Engineering, University of Illinois, Urbana-Champaign, 1979

PROFESSIONAL ORGANIZATION

American Society of Civil Engineers

ACCOMPLISHMENTS

Thirty years professional engineering experience
Extensive background in water supply and geotechnical engineering on both foreign and U.S. projects
Project Manager for overseas soil and water projects for non-profit international development agencies in Sierra Leone, Ethiopia, Somalia, and Eritrea
Contractor's Resident Geotechnical Engineer for USBR earth dam construction project
Lead design engineer for numerous landslide repairs, earth embankment construction, erosion control, and channel stabilization projects throughout the San Francisco Bay Area

REPRESENTATIVE EXPERIENCE

Pedestrian Bridge Repairs Martinez, CA
Project manager for design and construction of a replacement bridge superstructure for two deteriorating wood pedestrian bridges in Hidden Lakes Open Space. Evaluated existing bridge foundations and abutments for current seismic design criteria. Prepared specifications for replacement spans for over 300 feet of bridge deck.

Creek Bank and Road Stabilization Fremont, CA
Lead designer of creek bank and roadway stabilization project along Vargas Road which utilized rock weirs in the creek and planted geocell and willow cuttings on the upper portions of the bank.

Roadway Landslide Repairs Alameda, Contra Costa, Mendocino, Marin, Cos, CA
Responsible for investigation, design, and construction observation for repair of numerous slope failures, some involving federally funded roadway reconstruction. Repairs typically utilized geogrid reinforced slopes, drilled piers, soil nails, tiebacks, or gabion retaining walls.

Carquinez Scenic Road Conversion Martinez, CA
Manager for geotechnical, civil, and planning study and conceptual plan development for conversion of landslide prone segment of Carquinez Scenic Drive into a segment of the Bay Trail. Work included geotechnical investigation of several landslides, development of repair alternatives, cost estimates, and preparation of geotechnical, alternatives, and planning reports.

Stanley Boulevard Embankment Livermore, CA
Lead design engineer for 15 meter high geocell faced, geogrid reinforced embankment reconstruction for the major arterial road between Pleasanton and Livermore. Project received an achievement award from APWA.

Embankment Dam Reconstruction Jackson Lake, WY
Contractor's Senior Geotechnical Engineer, responsible for locating and processing of borrow materials for construction of USBR zoned earth dam.

San Leandro Creek Bank Stabilization San Leandro, CA
Lead design engineer for federally funded repairs of three properties located along San Leandro Creek following flood damages in February 1998. Project included sheetpiles, rock slope protection, temporary shoring, and a planted geocell faced, geogrid reinforced slope.

San Lorenzo Creek at Russell Way Hayward, CA
Lead geotechnical design engineer for biotechnical creek bank repair consisting of tieback supported planted geocell retaining structure constructed along failing creek bank supporting a 300 year old tree. Work was completed for the Alameda County Flood Control District.

Water Supply Canal Repairs Contra Costa County, CA
Investigated numerous cut slope and levee failures along 45 mile long water supply canal. Developed repair recommendations as well as contract plans, specifications, and estimates. Responsible for construction observation and testing during repair operations. Repairs involved the construction of geogrid reinforced embankments, improved drainage, and installation of riprap erosion control.

Soil/Water Conservation Project Somalia
Project Engineer for USAID-funded rural development project. Provided technical training and supervised construction of project compound, livestock-watering ponds, and gabion erosion control structures.

Gimbora Irrigation Project Ethiopia
Project Engineer for funding agency providing on-site material and technical assistance for local construction of small-scale irrigation project. Activities included the construction of canals, water control structures, drains, warehouse, and gabion river bed stabilization structures.

Uranium Mill Tailing Remedial Project Western US
Prepared design drawings and specifications for grading, drainage channels, dikes, retention basins, and erosion control measures for DOE disposal sites in Colorado, Arizona, and New Mexico.