

LIIBAN A. AFFI, P.E., President
FOUNDATION ENGINEERING CONSULTANTS, FREMONT, CA
TEL 510-629-3768 FAX 510-619-7230 WWW.FoundEng.com

EDUCATION

Civil Engineering, Idaho State University, Graduated 1988

PROFESSIONAL REGISTRATIONS

California Professional Civil Engineer, RCE 73300-active
Wisconsin Professional Civil Engineer, PE 32077-active

PROFESSIONAL MEMBERSHIPS:

American Society of Civil Engineers (**ASCE**)
Canadian Geotechnical Society (**CGS**)
Structural Engineering Society of New Zealand (**SESOC**)

PUBLICATIONS :

1. "Soil Mechanics and Foundation Design: 201 Solved Problems" ISBN 0-976039303. Soft cover, 116 pp, 2004.
2. "Fundamentals of Geotechnical Engineering: DVD Review" ISBN 0976039311, Hard cover, 142pp, 2006.
3. "Civil PE Sample Exam" 2nd edition. M. Lindeburg. ISBN 978-1591261353, Published by PPI. Authored the Construction Engineering Chapter, soft cover, 160pp, 2008.

PROFESSIONAL HISTORY

October 2008 – Present, Founder/President, FOUNDATION ENGINEERING CONSULTANTS, Fremont, California

Setting up consulting firm to provide geostructural engineering services. Services include geotechnical engineering services, construction observation and management and design of foundations and earth retaining structures.

April - October 2008, Project Engineer, AVAR-SAS, Fremont, California

The firm's geostructural engineer responsible for geotechnical review, structural design of complex foundations and plan take off's of heavy earth retention design projects. Completed designs include complex wind turbine anchored foundation design, cantilever soldier beam & lagging shoring systems, seismic anchorage of equipments and structural design of no sway portal frames for the firm's fabrication shop. Other technical designs include seismic earth pressure calculations for train stations seismic upgrade, design of soil nail walls, design of micropiles, tiedowns and design of tieback permanent shoring systems.

Feb 2005-Jan 2008, Project Engineer, Coleman Geotechnical, Irvine, California,

Responsibilities included preparing geotechnical investigation reports, foundation analysis and forensic reports on civil engineering structures, reviewing grading plans, supervision of the initial stages of pile driving and shoring projects. Geotechnical design aspects included slope stability analysis using university of Wisconsin STABL, and liquefaction analysis using Blake software. Routinely used spreadsheets to calculate geotechnical earthquake parameters, bearing capacity, soil settlement in clay layers, and earth pressure design criteria for retaining walls, pedestrian bridges, commercial buildings and industrial structures. Other tasks included writing responses to geotechnical review sheets, hopping in the vehicle to handle field problems faced by repeat clients or junior staff. Supervisory roles included assigning engineering staff to various projects.

LIIBAN A. AFFI, P.E.

Aug 1998 – Dec 2004, Founder, President, Soil Structure Interface Consultants, Madison, WI.

Reviewed and prepared geotechnical reports on shallow foundations, earthwork projects, and pavement construction. Evaluation of low bearing soils, pavement subgrade and problems on hardened concrete properties. Advised clients on techniques of constructing moderately loaded foundations on difficult soil conditions.

Written memos on over Eight thousand (8,000) footing probes, 20 million cubic yards of earthwork operations and development of over 50 subdivisions (more than 10,000 homes), dozens of roads, as well as mid-rise condominium buildings, industrial plants, pedestrian and vehicular bridges and water towers. Also prepared reports on pavement core samples and performed subgrade proof roll with city engineers. Oversaw geotechnical and structural engineering observations of industrial buildings.

September 1990 – August 1998, Staff Engineer, Soil and Material Consultants, Arlington Heights, IL

Oversaw geotechnical aspects of school additions, subdivisions and new pavements. Handled geotechnical observations of bridges, school additions and major road projects. Trained new graduates on laboratory testing procedures and site inspections. Trouble shooted fresh concrete properties of bridge decks, monitored caisson and pile driving procedures and prepared reports on Geotechnical aspects of assigned projects.

Continuing Education Classes that I have attended:

World of Concrete –Concrete Seminars, New Orleans, LA, 1992
Analysis & Design of Deep Foundations, ASCE, Oak Lawn, IL., 2000
Seismic Design of Buildings, Sacramento, Ca., 2006
Engineering Surveying Principles, La Mirada, Ca.,2007
Fundamentals of Wind Energy, Houston, TX, 2008

Taught the following Continuing Education Classes:

Professional Engineer Exam-PE review Class, Geotechnical Engineering, March 10/11, 2006 Milwaukee, WI
Professional Engineer Exam-PE review Class, Geotechnical Engineering, Sept 27/28, 2008 La Mirada, CA

Major Recent Projects:

- Geotechnical engineering report of 450,000 sq. foot industrial building, Mira Loma, CA



LIIBAN A. AFFI, P.E.

- Liquefaction mitigation and foundation analysis of 2 story retail structure, Westminster, CA



- Foundation design and construction of a 4 story elevated garage parking structure, Santa Ana, CA

