

## Craig A. Cole

Structural Engineer and Principal



### Education

B.S. Civil Engineering  
Colorado State University: B.S. , 1973

M.S. Structural Engineering  
University of California, Berkeley, 1975

### Registration

California - Civil Engineer, 1980  
License No. 31,366

California - Structural Engineer, 1991  
License No. 3521

### Professional Affiliations

Structural Engineers Association of Northern California

Earthquake Engineering Research Institute

Past Chair, EERI Existing Building Committee

### Publications

Seismic Upgrading of Existing Buildings, Chapter 12, "The Seismic Design Handbook" with Ron Hamburger, Kluwer Academic Publishers, 2001

The Klamath Falls, Oregon Earthquake of September 20, 1993, EERI Newsletter, November 1993

FEMA Document 172, "NEHRP Handbook for Seismic Rehabilitation of Existing Buildings," June 1992

Detailed Seismic Evaluation of St. Louis High-Rise, Conference proceeding of the 1993 National Earthquake Conference, Memphis, TN

Hayward City Center Building Seismic Retrofit Project, with R.O. Hamburger, Second Conference on Earthquake Hazards in the Eastern San Francisco Bay Area, Conference Proceedings, March 1992.

**Craig Cole** has over thirty years of experience in civil and structural engineering and project management. His responsibilities have included structural design, seismic assessment and retrofit design of commercial, residential, and industrial structures and equipment, and development of guidelines for the seismic upgrade of structures.

Craig has managed numerous seismic evaluation projects for a variety of private and public clients involving a wide-range of evaluation types, including desktop; drive-by; and walk-by projects. Also performed numerous detailed evaluations; involving thorough building inspections including destructive and nondestructive testing; drawing reviews, involving detailed analyses including linear and nonlinear analysis projects.

Private sector clients have included: managing the seismic risk assessment of 1,500 facilities located in high seismic zones in the United States for a single client and managing the detailed assessment of 80 Central Office Buildings for Pacific Bell.

**Degenkolb Engineers**

235 Montgomery Street  
San Francisco, California 94104-2809

www.degenkolb.com

500  
SUITE

415

392.6952 phone  
554.0782 fax

## **Craig A. Cole**

Relevant Experience

### **Mathematical Sciences Research Institute Addition, University of California, Berkeley, California**

Designed the 15,500 square foot addition to an existing three story building.

### **Seismic Assessment of SunPower Philippines Building, Batangas, Philippines**

Perform a seismic vulnerability study of manufacturing facility prior to purchase.

### **Old Tavern and Presbyterian Church Adjacent to Sutter Medical Center, Pre-Condition Survey Sacramento, California**

Evaluate and design shoring for a historic tavern building due to construction at the adjacent medical center.

### **Diablo Valley Junior College, Seismic Retrofits, Pleasant Hill, California**

Project Manager for the rehabilitation and seismic upgrade The Computer Science and Life Sciences buildings.

### **PG&E Martin Service Center, Daly City, California**

Simplified nonlinear analyses were performed to assess the capacity of this structure to resist a moderate seismic event.

### **China Lake Geothermal Plant, Seismic Evaluation, China Lake, California**

Perform a seismic risk assessment of a geothermal facility to include a PML estimate and business interruption estimate.

### **Seismic Upgrade of PG&E Salinas and Santa Rosa Service Centers\* Salinas & Santa Rosa, California**

Project Manager for Peer Review of the seismic evaluation and upgrade of the PG&E Salinas and Santa Rosa Service Center facilities.

### **Additionally**

Villa Park Merced Tower Renovations, San Francisco, CA

Lovin Oven PML, Irwindale, CA

Glide Residential Construction Survey, San Francisco, CA

St. Jude's Childrens' Hospital, Seismic Evaluation, TN

Istanbul Schools Seismic Retrofits

Steelcase Standard Anchorage Details

California Community Colleges\*, Seismic Assessments, Various Locations

Hurricane Vulnerability Assessment, University of Miami, Miami, FL

Richmond Transit Station\*, Design, Richmond, CA

Colgate-Palmolive Company\*, Worldwide Seismic Risk Management Program, Worldwide

Alameda County Medical Center\*, Highland Hospital, Oakland, CA

Guideline Development\*, Federal Emergency Management Agency

\* *Projects completed while with a previous firm*