

**AEG & ASCE GEOTECHNICAL GROUP JOINT MEETING
LOS ANGELES SECTION**

MEETING NOTICE

Wednesday, March 17th, 2010

**CASE HISTORY OF THE JUNE 1, 2005 BLUEBIRD CANYON LANDSLIDE IN
LAGUNA BEACH, CALIFORNIA**

Hannes H. Richter, G.E.
Geofirm/Stoney-Miller Consultants, Inc.

Abstract

The presentation includes geotechnical findings and remedial construction activities for the June 1, 2005 Bluebird Canyon Landslide in Laguna Beach, California. The failure occurred in bedrock terrain, and was initiated by an elevated groundwater level from the 2004-2005 Winter's high rainfall. The resulting risks to the public improvements and the community included downstream flood hazard, headscarp retreat, potential mudflow-debris flow hazards along the landslide margins, and the potential loss of three more public streets. The emergency mitigation and the eventual public infrastructure repair were conducted in two Phases. Phase I consisted of winterization of the slope by removal of the destroyed homes, surface regrading and drainage control, dewatering, removal of slide debris in the Bluebird Canyon drainage, installation of a storm drain, construction of a gravity buttress in the canyon, and stabilization of the headscarp with a temporary tieback /shoring wall. This work was fast-tracked and required constant coordination between the design and contracting teams to respond to difficult field conditions. Phase II included removal of the majority of the landslide mass, construction of two soil-cement shear keys, placement of a subdrain network, and placement of engineered fill to rebuild the slope.

Bio

HANNES RICHTER, GE, is the chief geotechnical engineer at Geofirm/Stoney-Miller Consultants, Inc. He earned Bachelor of Science in Civil Engineering from California State Polytechnic University, Pomona, and a Master of Science in Geotechnical Engineering from University of California, Berkeley. He has over 30 years of geotechnical experience throughout the United States involving a diverse range of residential, commercial, industrial, and governmental projects, and has consulted to the City of Laguna Beach for over 15 years. Mr. Richter has participated in many comprehensive landslide investigations, monitoring programs and stabilization efforts, both for new construction projects and as a forensic expert.

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| SOCIAL HOUR: | 5:30 p.m. |
| DINNER: | 6:30 p.m. |
| PROGRAM: | 7:30 p.m. |
| PLACE: | Stevens Steak House 5332 Stevens Place, City of Commerce Southwest Corner of I-5 & Atlantic Boulevard |
| PRICE: | \$35 with reservation (free with valid Student ID) \$40 at the door |
| RESERVATIONS: By e-mail to: | M. Ronald Yeung mronyeung@gmail.com |

**Please make reservations by e-mail prior to:
12 noon, Friday, March 12, 2010**