CalGeo
The California Geotechnical Engineering Association

eGeo MONTHLY NEWSLETTER

March 24, 2015

Shakin' It Up in Carmel!

There's Still Time to Register For Conference

IN THIS ISSUE

Although our Early Bird deadline has passed, there is still time to register at the standard rate for our Annual Conference at the Quail Lodge & Golf Club. Click here to download a brochure and to register and to pay online. Registration deadline is April 2.

If you have already registered, don't forget to make your room reservation at the Quail Lodge & Golf Club by clicking here: https://gc.synxis.com/rez.aspx?Hotel=58674&Chain=14839&arrive=4/22/2015&depart=4/26/2015&adult=1&child=0&group=24551. Use our Group Code: 24551

One-Day Only Conference Registrations Are Available

We have added one-day only conference registrations on our online registration. You can now register for Friday or Saturday only sessions up to April 2. Click here to register: http://events.r20.constantcontact.com/register/event?oeidk=a07eacmo6juf73d5eb4&llr=6dfyaadab

Outstanding Project Award Winners

Entries have been judged and our 2014 Outstanding Project Award winners have been chosen! The winners will be announced and will present their projects at the Annual Conference Awards luncheon Sat., April 25. Look for articles from the entrants about their projects in future eGeo's.

Board Nominees

We have two nominees for the open spot on our Board of Directors for our fiscal year 2015-16. If you are the primary rep of your company (Active Member firm) you will receive notice and information in the mail. You can vote by mail, or if you're going to be at the annual conference April 23-25, you can vote there during the General Membership Meeting. Here's a little bit of information about the nominees:

Michael Cazeneuve, PE, CEG, joined **Geotechnologies, Inc.** in 1999. The company is a full service Geotechnical Consulting firm in Glendale, California and was a founding member of CalGeo in 1971. Now in his 16th year with the firm, Michael is an integral part of the company and is involved with most of the business and technical operations. His project experience ranges from small to large retail, commercial, industrial, educational and high density residential projects throughout the greater Los Angeles area.

Michael attended his first CalGeo Annual Conference in 2010 at Torrey Pines, where he received a warm welcome from many of the members and affiliates associated with the organization. It was there that he recognized the value of CalGeo and its members to our profession. Since then, he has attended every annual conference and many of the regional technical seminars. Michael has a broad understanding of many issues affecting the geotechnical profession and is a strong supporter of CalGeo. He looks forward to expanding his support and involvement with CalGeo by serving as a member of the board.

George Hattrup, PE, GE, is a Senior Geotechnical Engineer at **RMA GeoScience**. George has experience working on a wide variety of projects such as bridges, roadway/freeway improvements, schools, hospitals, office buildings, residential subdivisions, prisons, and pipelines. For the past 18 years he has been responsible for managing all phases of engineering projects; including contract negotiations, report preparation, plans and specifications, and construction oversight.

George thinks very highly of CalGeo and would be honored to serve as a board member. Ever since he started attending CalGeo meetings in 2006, he has appreciated the work CalGeo has done to enhance the geotechnical engineering profession in California. In particular, he's a big fan of the technical presentations and conferences that CalGeo facilitates and all the outreach that is done in order to enhance the standard of geotechnical engineering practice.

Questions-Comments-Feedback TOP

Student Outreach

Student Chapter Liaisons

UCLA students with Board Member Hannes Richter at Yosemite conference

We have 5 Student Chapters and we truly appreciate our CalGeo liaisons to those chapters. They are:

- Cal Poly Pomona-**Chris Diaz** (Diaz Yourman & Assoc.) (714) 245-2920
- Cal Poly San Luis Obispo-**Judd King** (Earth Systems, Pacific) (805) 544-3276
- CSU Fullerton-**Stavros Chrysovergis** (SPC Geotechnical) (714) 630-0321
- UCLA-**Neal Berliner** (Geocon, Inc.) (818) 841-8388
- San Diego State University-**John Hoobs** (Geocon, Inc.) (858) 558-6900

If you'd like to get involved with any of the chapters, we can use the help! Call Neal Berliner, the committee chair, at (818) 841-8388.

Questions-Comments-Feedback TOP

Communications Survey

By Judd King
CalGeo Communications

We are gathering information about our communications. If you're willing to help, please click on the link to the survey. It is only 5 short questions and will help us very much. Thanks!
https://www.surveymonkey.com/r/RVH99B7

Questions-Comments-Feedback TOP

Nevada DOT & EagleLIFT, Inc. Partner Up

By Cliff Frazao
Vice President, Operations

LOCATION: Clark County, Nevada, Cheyenne Ave. East of Revere St.

SITUATION: Nevada DOT had a 3 to 6 inch dip across 2 lanes of full depth asphalt in this section of Cheyenne Avenue. The exact cause of this is unknown, however Dynamic Cone Penetrometer (DCP) testing indicated that

weak soils were present from -5' to -20'. Faced with this dilemma and the awareness that traditional repairs can be costly, time consuming and impair the flow of traffic, NDOT contacted EagleLIFT since we had performed similar successful projects for them in the past.

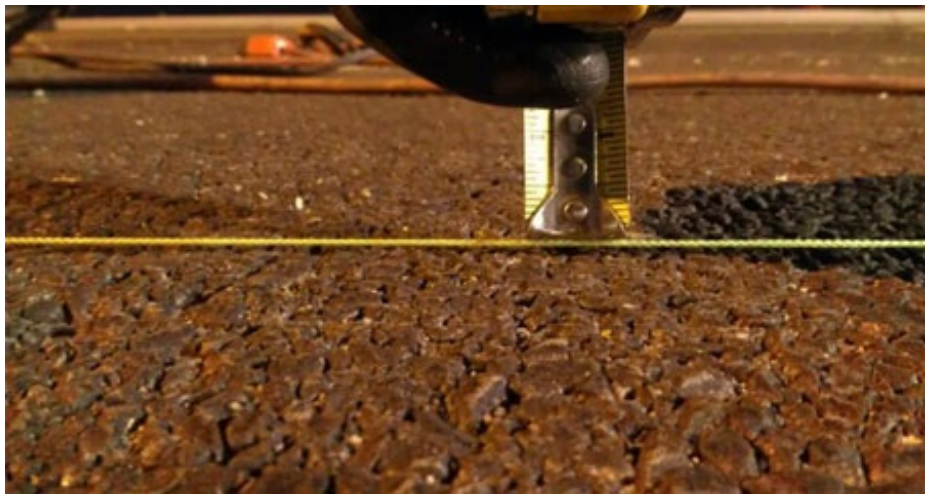
NDOT selected the highly progressive and effective Injection Process to mitigate highway settlement saving time, money and reducing traffic delays for commuters.

FACTORS FOR CONSIDERATION: This section of Cheyenne Ave. is a full depth asphalt, divided arterial road, with 6 total lanes. Cheyenne Ave. also has a very high traffic count. In order to minimize any traffic disruption, it was agreed by all parties that the lane closures and work would take place at night.

SOLUTION: Deep Injection® Process. Dynamic Cone Penetrometer testing data was taken down to 20' to confirm and locate the weak soil zones. The URETEK Deep Injection process was used at various depths but mostly targeted the weakest areas in the upper 10' providing direct support to the pavement system.

RESULTS: The Deep Injection process was approximately 50% of the proposed reconstruction cost. There were zero daytime lane closures as EagleLIFT performed the work in a period of 12 nights, which further reduced any impact to the traveling public.

Before



After

BENEFITS: EagleLIFT completed the project on time. As always when EagleLIFT injects into the soils to fix the underlying problem, EagleLIFT provides a standard 2 year unconditional warranty against settlement.

- Minimal disruption to traffic flow
- 1/2 of the cost of reconstruction
- Project time frame a fraction of reconstruction
- 2 year warranty

EAGLELIFT

www.eaglelifting.com

Questions-Comments-Feedback TOP

Safety First

Fall Prevention

Courtesy of State Compensation Fund of California

Falls are a major cause of workplace injury and death. A fall can happen on the same level (floor or ground) or from one level to

another (stairs, ladders, etc.). Falls usually result from an unsafe act (hurrying, overreaching, improper use of equipment, etc.) or an unsafe condition (poor housekeeping, unguarded opening, surface condition etc.). You can prevent most falls by following safe work practices.

Good footing is important to fall prevention. Wear safety boots with adequate tread kept clean from mud, grease or oil. Watch where you walk, especially in poorly lit areas or where surfaces are uneven or unstable. Avoid carrying loads that block your view of travel. Walk slowly and use handrails on stairs. Don't take unsafe shortcuts like leaping from one level to another. Practice good housekeeping; keep walking and working surfaces clear of litter and debris.

Choose ladders constructed for the job task, making a safety check of the ladder before and after use to insure it's in good condition. Position and secure ladders on level, stable surfaces. Face the ladder and use both hands when climbing.

Once on a ladder, your reach distance should keep your belt buckle within the two side rails. Never "walk" the ladder while you're on it; instead, climb down, move the ladder, then climb up it again. Before mounting a scaffold, make sure it's been constructed, erected, and checked for safety by a designated "qualified person."

When working on an elevated surface such as a roof, make sure you have a secure way to get on or off. Check with your supervisor to see if personal fall arrest devices are required. Stay aware of people and equipment around you. Keep your center of gravity low and over your feet with your knees bent. Don't carry too much or have your hands too full. Avoid work at heights during windy, rainy, or icy conditions.

Preventing most falls is a matter of common sense. Practice good housekeeping, watch where you're walking, take care how and where you walk, use appropriate fall protection equipment, and don't take chances. If you have questions, talk to your supervisor.

Questions-Comments-Feedback TOP

e.Geo Standards for Publication