



**GEO-  
INSTITUTE**

**Los Angeles Chapter**

**November 14th, 2018**

**Dinner Meeting and Presentation by:**

**Mr. Raymond A. Fassett**

## **A Contractor's Prospective on CIDH Pile Mitigation**

### **LOCATION:**

Alpine Village  
883 W. Torrance Blvd.  
Torrance, CA 90502  
Phone: (310) 327-4384

### **SCHEDULE:**

5:30-6:30 PM Registration and Social Hour  
6:30-7:30 PM Dinner  
7:30-8:30 PM Presentation



**Mr. Raymond A. Fassett**  
Condon-Johnson & Assoc., Inc.

### **BIOGRAPHY:**

Mr. Fassett earned his BSCE from Santa Clara University in 1992. The first 5 years of his career were spent working for several General Contractors. He then worked for 2 years for a Construction Management Team on several Caltrans projects including the MacArthur Maze Project where he over-saw the inspection of the CIDH piling and micropiles.

In 1999 Mr. Fassett entered the field of drilled shaft construction working for AGRA Foundations in and around Northern California as a Project Engineer/Project Manager/Estimator.

Mr. Fassett joined Condon-Johnson & Associates in March 2004 where he works as a Project Manager / Estimator on various sized drilled shaft and anchored earth retention projects in and around Northern and Southern California and into Northern and Eastern Nevada.

He is a very active member of the Association of Drilled Shaft Contractors (ADSC) both at the Chapter level as well as the National level where he serves on the Board of Directors and as the Chairman of the Drilled Shaft Committee. At the Chapter level he acts as the Co-Chair of the Caltrans Substructure Committee.

When he is not managing or estimating a project, he spends his free time decorating his house for the holidays and working as a Licensed Pyro Technician in the State of California.

### **PRESENTATION SUMMARY:**

CIDH pile mitigation starts at the very beginning of a project. Proper design details and quality control during construction is crucial to getting an acceptable product and keeping a project on schedule. When CIDH Piles are built in the wet (under water or slurry), inspection during the drilling and concreting processes are difficult at best. The structural and geotechnical integrity of the pile is then left to Post-Construction inspection methods or Non-Destructive testing (NDT) in the form of Gamma-Gamma-Logging (GGL), Cross-Hole Sonic Logging (CSL), and Thermal Integrity Profiling (TIP).

This presentation will cover:

- Key design and detail elements that will help reduce the potential for and an anomaly.
- Explanation of the two (2) main NDT methods currently being used (GGL and CSL) with discussion on TIP.
- What information the NDT Firm will provide based on the results of each testing method.
- Is an anomaly always a defect?
- Examples of anomaly types.
- The various repair procedures available.

### **REGISTRATION:**

Please complete your registration at our website: ([www.lageoinstitute.com](http://www.lageoinstitute.com)).

You may pay with PayPal/credit card payment option online or pay at the door with cash or a check payable to **ASCE LA Geo-Institute Chapter**

Early registration (*registration and payment received on or before /16/18*).....\$40  
Regular registration (*registration and payment received after 3/16/18 or on-site<sup>2</sup>*).....\$50  
Full-time student registration<sup>3</sup>.....Free

<sup>1</sup>No refunds for cancellations requested after 3/19/18.

<sup>2</sup>Proof of full-time student status required on-site.