



## Lucile Packard Children's Hospital Palo Alto , California

Owner: Lucile Packard Children's Hospital

Designer: Hammel, Green and Abrahamson, Inc.,  
Architects and Engineers

Foundation Contractor: Malcolm Drilling, Inc.

Years of Project: 2011-2013

Total Project Cost: \$700 Million

Client Reference: John Morgan  
(Malcolm—510-780-9181)



### Project Highlights:

Dan Brown and Associates PC (DBA) acted as the load testing consultant for the project, overseeing an extensive load test program for a major expansion to the Lucile Packard Children's Hospital on the Stanford University campus in Palo Alto, California. The expansion was designed to be supported on large diameter augered cast-in-place (ACIP) piles (also known as continuous flight auger piles). The load test program included eight static axial compression tests, two static axial tension tests, and ten high strain dynamic tests on the ACIP piles. Due to schedule constraints, the test piles were installed prior to completion of the grading with a top elevation approximately 20 feet higher than that of the production piles. The results of the load tests were analyzed by DBA to account for the differences between the test conditions and the anticipated service conditions of the production piles.

### Technical Presentation:

Siegel, T.C. and Faust, P. (2013). "Consideration of Overburden Effect on the Axial Resistance of CFA Piles Subjected to Loading Tests," DFI SuperPile Conference 2013, Minneapolis, Minnesota.

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