



ASD and LRFD Codes; the Economics of Dynamic Testing Webinar

Who should attend:

Geotechnical, structural and construction engineers; testers, researchers and contractors interested in learning more about how codes create large economic savings as a result of high strain (PDA) testing of piles (a basic familiarity with PDA testing of driven piles is assumed).

When: Thursday, October 18, 2018

The session will begin at 9:00 am Eastern Time (New York Time) and last approximately 1.5 hours. Sessions may last longer if there are a number of questions from participants. Questions from participants have to be submitted during the webinar in written form (using chat-box or email) and will either be discussed during the seminar or in personal communication depending on the general interest of the question. You can learn from Mr. Garland Likins without having to leave your desk.

Lecture: Garland Likins, P.E., is principal and past president of Pile Dynamics, Inc., providing quality assurance products for testing deep foundations. He is also a principal of GRL Engineers, Inc., providers of deep foundation testing services. In his over 45 years since participating in the original dynamic pile testing research at Case Western Reserve University, Garland has performed countless field tests and directed the development of a variety of field quality assurance testing products for various deep foundation types. He is active in ASCE, ASTM, ADSC, DFI, and PDCA, serves on several code committees, is an Associate Editor for both the ASCE Geotechnical Journal and the ASTM Geotechnical Journal, has authored more than 100 publications, and is a frequent lecturer.

Learning Objectives:

At the conclusion of the webinar attendees will be able to:

- Understand why static or dynamic PDA testing is needed
• Understand the basic difference between ASD and LRFD codes
• Describe how to convert ASD safety factors into LRFD resistance factors
• Understand the concept of "Pile Support Cost"
• Describe the difference between Set-Up and Relaxation and their causes
• Recognize the potential savings (cost and time) as a result of testing.

Program:

ASD and LRFD Codes" the Economics of Dynamic Testing

- Why static analysis of soil borings is not sufficient
• Static Testing overview
• Dynamic Testing – what are the main tools
• Why Dynamic Formula are unreliable
• ASD and LRFD: descriptions, conversions and example
• LRFD reliability methods explained, with focus on factors for PDA dynamic testing
• Pile Support Cost
• Examples of economic savings due to dynamic testing
• Application to large and small projects

Please email this completed registration to Registration@pile.com

This is a complimentary webinar, but registration is mandatory:

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Email: (who will be receiving webinar log in instructions) \_\_\_\_\_

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