



## Promotional Webinar on Benefits of Testing

### Who should attend:

Geotechnical, structural, and construction engineers, contractors, pile manufacturers and/or distributors, pile researchers, and students interested in an introduction to construction cost and schedule savings resulting from deep-foundation testing. A case history will be presented in which a complete pre-production (design-phase) dynamic and static testing program was performed for a driven-pile foundation, including characterizing capacity contribution from set-up. Design and construction proceeded using a safety factor of 2.0. Subsequent to foundation completion, the structural engineer re-designed the foundation (including pile-cap and core-mat concrete volumes) using seven different allowable pile loads. Cost and schedule impacts for different safety factors, associated with different construction-control methods, both with and without capacity contribution from set-up, were determined for all eight design scenarios. Costs for the various design scenarios were based on as-built values, and included the piles, pile-cap and core-mat concrete, and construction-control methods. Schedule impacts were based on as-built production rates. Quantitative relationships are presented between allowable pile load, foundation cost, and construction schedule.

### When: November 14, 2018

This session will begin at 9:00 am Eastern Time (New York Time), and will typically last 1.5 hours. Sessions may last up to a maximum of 2 hours depending on the number of questions from participants. Questions from participants have to be submitted during the webinar in written form (use a 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 will have the opportunity to learn from Van Komurka without having to leave your desk.**

**Lecturer: Van E. Komurka, P.E., D.GE**, is a senior engineer at GRL. He received B.S. and M.S. degrees in Civil Engineering from the University of Wisconsin–Platteville and Colorado State University, respectively. He has 33 years' experience as a geotechnical engineer, most-recently at the helm of Wagner Komurka Geotechnical Group, Inc. He serves on ASCE's Deep Foundations Committee, DFI's Driven Pile Committee, PDCA's Technical Committee, and is an instructor for the FHWA's National Highway Institute's course on Design and Construction of Driven Pile Foundations. Van received PDCA's Professional Engineer's Service Award, and PDCA's Presidential Award for Distinguished Service.

### Learning Objectives:

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

- Be able to state a typical range of safety factors appropriate for driven-pile foundation design.
- Be familiar with construction-control methods commonly employed on driven-pile projects.
- Understand set-up characterization, and its incorporation into pile design and installation.
- Recognize the generalized relationship between testing cost and construction savings.
- Realize the potential schedule savings from using higher-allowable-load piles.

### Registration must be received on or before Novemeber 7, 2018

Questions from participants have to be submitted during the webinar in written form (use chat-box or email) and will either be discussed during the seminar or in personal communication depending on the general interest of the question.

This is a complimentary webinar, but registration is mandatory: **Please email form to [Registration@pile.com](mailto:Registration@pile.com)**

PLEASE PRINT

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_

Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

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

1. \_\_\_\_\_ 3. \_\_\_\_\_

2. \_\_\_\_\_ 4. \_\_\_\_\_