

# Webinar on Wave Mechanics and Proper Practices for Existing PDA Users

Dates: February 11&12, 2020

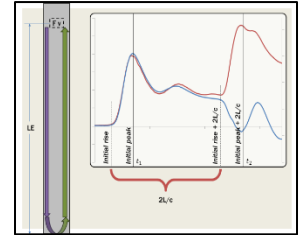
## Basics of Wave Mechanics

February 11, 2020

### Learning Objectives:

The Wave Mechanics presentation looks at stress wave propagation in a pile and how through strain and acceleration measurements, pile capacity, stresses, integrity and energy can be measured and monitored. At the conclusion of the webinar attendees will be able to:

- Understand the concepts of proportionality and wave propagation in a free and fixed end pile.
- Derive capacity estimation through the Case Method.
- Use wave propagation theory to calculate maximum stresses throughout the pile, energy transfer to the pile.
- Use wave propagation theory to determine pile integrity.



### Who should attend:

This webinar is intended for existing PDA users who want to improve their knowledge of wave mechanics of how the PDA uses strain and acceleration measurement to calculate values reported during testing. Contractors and owners who are interested in a better understanding of how dynamic testing works may also find this webinar valuable.

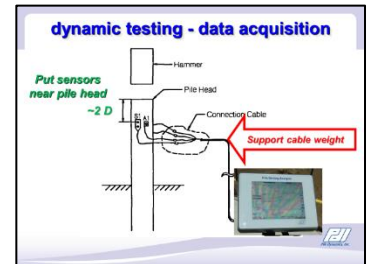
## Proper Practices for High Strain Dynamic Testing

February 12, 2020

### Learning Objective

While wave mechanics focuses on the theory behind dynamic testing, Proper Practices focuses on the practical aspects of how to go about performing a high strain dynamic test correctly. At the conclusion of the webinar attendees will be able to:

- Understand the correct application of dynamic testing including placement of sensors on various pile types, correct entry of input values into the PDA.
- Recognize good versus bad data quality and diagnose likely causes of bad data quality and appropriate correction measures.
- Review data examples where excessive stress, pile integrity issues, or hammer energy issues were detected with the PDA.



### Who should attend:

This webinar is intended for existing PDA users who want to improve their knowledge of proper application of dynamic testing as well as improve their ability to recognize good and bad data. Contractors and owners who are interested in and ability to review dynamic test results may also find this webinar valuable.

### Lecturer: Ryan Allin, P.E.

Ryan is a senior engineer and partner in GRL Engineers and Pile Dynamics. He is responsible for all PDI's educational programs for foundation testing professionals. In that capacity he has lectured on numerous seminars, webinars and workshops on foundation testing and has co-authored papers on the subject. Ryan is a member of the American Society of Civil Engineers and a registered professional engineer in Ohio, Pennsylvania, West Virginia, Delaware and Kentucky.



## Webinar on Wave Mechanics and Proper Practices for Existing PDA Users Registration Form

2 sessions of at least 2 hours long on February 11 & 12, 2020 beginning at 9:00 am New York EDT

### **Registration must be received on or before February 7, 2020**

One registration is necessary for each "site", which requires internet access of one computer plus a telephone connection. The registered site will be furnished with a username and password plus conference call information. Site fee includes an unlimited number of participants and up to four Certificates of Completion. Additional certificates are \$10 each. A pdf version of the presentations will be sent to the registered sites prior to the event.

### **Registration Form**

Please email form to [registration@pile.com](mailto:registration@pile.com)

### **Billing Address – (Please print or type)**

Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State/Province: \_\_\_\_\_  
Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_ **(Receives log in instructions)**

### **Shipping Address – (For certificate of completion)**

Check if same as Billing Address   
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State/Province: \_\_\_\_\_  
Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_ **(Receives log in instructions)**

### **Pre-Payment by credit card is required.**

Number of Additional Certificates at \$10 Each \_\_\_\_ Total \$\_\_\_\_\_ (4 certificates included in fee)

We are registering for:

Day 1 & 2 ..... \$300.00

I am pre-paying by:  VISA  MasterCard  American Express  Discover

Credit Card No: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Card's Billing Address: \_\_\_\_\_

Verification Code: \_\_\_\_ Signature: \_\_\_\_\_ Print Name: \_\_\_\_\_

Name of Participant(s). Must be registered and complete quiz to receive Certificate of Completion.

- 1. \_\_\_\_\_ 4. \_\_\_\_\_
- 2. \_\_\_\_\_ 5. \_\_\_\_\_
- 3. \_\_\_\_\_ 6. \_\_\_\_\_

Refund Policy: Cancellations are accepted only before the start of the first session of the Webinar, paid fee will be applied in full to future Webinar.