



DEEP FOUNDATIONS INSTITUTE
FHWA NATIONAL HIGHWAY INSTITUTE



Micropile Design and Construction Course

#FHWA-NHI-132078

September 28-29, 2015

District Four and Six Materials and
Research Office Auditorium
14200 West State Road 84
Davie, FL 33325

October 1-2, 2015

Gainesville Operations
Auditorium
5301 NE 39 Avenue
Gainesville, FL, 32609

WHO SHOULD ATTEND: This course is directed toward practicing geotechnical, foundation, construction and bridge/structural engineers who have knowledge and experience in the design and construction of driven piles and drilled shaft foundations. Engineers involved with the design and construction of structure foundations will all benefit from this training, which builds upon the basic concepts presented in NHI courses FHWA-NHI-132012, FHWA-NHI-132014, and FHWA-NHI-132021.

TRAINING LEVEL: Intermediate

CLASS SIZE: Maximum - 40

COURSE DESCRIPTION: The primary goal of this course is to provide the target audience with guidance on when and where it is appropriate to use micropiles, and educate engineers about the state of the practice in the design and construction of micropiles. The course covers stepwise procedures for the design of micropiles for structural support and for slope stability applications. Construction, inspection and integrity-testing aspects and issues are discussed as well. Classroom presentations include exercises that will lead participants through the technical and cost feasibility aspects of structural support and slope stability design with micropiles. Each participant will receive a workbook and reference manual containing detailed micropile design examples for various applications.

RECOMMENDED PREREQUISITE: FHWA-NHI-132012 Soils and Foundations

COURSE OUTCOMES: Upon completion of the course, participants will be able to:

- Briefly describe the history and current status of the micropile industry
- Identify potential micropile applications
- Explain construction constraints, techniques, and performance
- Assess feasibility of micropiles for a given application
- Prepare conceptual and basic designs, and evaluate contractor-submitted designs
- Select appropriate specification/contracting method(s) and prepare contract documents
- Describe construction monitoring and inspection requirements

For course inquiries, email us at events@dfi.org



Micropile Design and Construction Course Registration Form

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Register early, as seating is limited for each course.
Please complete this form and return it with your credit card payment information
by **Wednesday, September 23, 2015** via fax to 973-423-4031.

Name: _____ Suffix (Jr., III, etc.): _____ Professional (P.E., Ph.D.): _____

Position: _____ Organization: _____ Website: _____

Organization Type: Contractor/Constructor Educator Materials/Equipment Manufacturer or Supplier
 Project Owner/Developer Services/Software Supplier Other

Address: _____

City: _____ State: _____ Zip: _____ Country: _____

Phone: _____ Fax: _____

Email: _____

REGISTRATION DATES & FEES

I wish to attend the September 28-29 Course in Davie, FL

I wish to attend the October 1-2 Course in Gainesville, FL

DFI Member Registration: \$995

DFI Non-Member Registration: \$1,195

Registration includes two-day course instruction, course materials, and breakfast, lunch and breaks on both days.

Total: \$ _____ Payment By: VISA Amex MasterCard Discover

Credit Card Number: _____ - _____ - _____ - _____

Expiration Date: _____ / _____ Security Code: _____

Name on Credit Card: _____

Signature: _____