Learning Objectives

You’ll be able to:

Recognize the properties of soils that impact bearing capacity and slope stability.

Learn about methods of soil investigation, including site reconnaissance, boring and test pits.

Understand soil hydraulics, and discuss drained and undrained shear strength.

Get tips on calculating bearing capacity of soils.

Review soil improvement methods.

Increase slope stability by unloading, draining and reinforcing.

Soil Mechanics, Bearing Capacity and Slope Stabilization

Houston, TX - Friday, March 8, 2019

Agenda

Presented by E. Allen Dunn, III, P.E.

Soil Investigation and Classification

Properties of soil
- Importance of recognizing soil properties
- Formation of soils
- Types of soils

Soil investigation
- Site reconnaissance
- Geology and visual observations
- Drilling and boring
- Test pits
- Establishing appropriate investigational methods
- Obtaining and reviewing geotechnical reports

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Discuss soil characteristics

Learn soil investigation techniques

Understand the importance of soil permeability and compressibility

Increase bearing capacity of soils

Examine slope stabilization techniques

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects & Landscape Architects
6.5 HSW CEPHs/CE Hours
6.5 AIA HSW Learning Units
6.5 LA CES HSW PDHs

Geologists
6.5 Continuing Ed. Hours

Contractors
Non-Credit Continuing Ed.
Mr. Dunn has served as a member of the development teams for several construction projects in Texas, Oklahoma, Arkansas, New Mexico, and Colorado. He is a licensed professional engineer with over 18 years of civil engineering and related experience specializing in geotechnical engineering, pavement engineering, forensic and structural engineering, construction materials engineering, testing, and electrical transmission engineering. His professional experience includes projects throughout Texas, Louisiana, Oklahoma, Arkansas, New Mexico, and Colorado. Mr. Dunn has worked for commercial, governmental, military, and private clients. He earned a B.S. degree in Civil Engineering from Texas A&M University, and an M.S. degree in Civil Engineering and an M.B.A. degree both from the University of Texas at San Antonio.

**Seminar Information**

**Marriott West Loop - By the Galleria**
1750 West Loop South
Houston, TX 77027
(713) 960-0011

**Faculty**

E. Allen Dunn, III, P.E.  Lead Foundation Engineer, M & S Engineering LLC

**How to Register**

- **Breakfast and printed seminar manual.** Each registration includes a complimentary continental breakfast and seminar materials for three or more registrations.
- **Tuition**  $269.00  $289.00
  - Single Registrant - $269.00
  - Multiple Registrants - $289.00
    - Charge for each registrant. Cancellations within 48 hours will result in a $39 service charge. Cancellations after 48 hours will be available after the seminar for most individuals who complete the entire event. Attendance certificates duplicates if necessary.

**Continuing Education Credit Information**

This seminar is open to the public. It offers 6.5 PDHs to professional engineers in all states. Educators and courses are not subject to preapproval in Texas. This course offers 6.5 HSW CEUs to Texas architects and landscape architects. The American Institute of Architects has approved this course for 6.5 HSW Learning Units, and the Landscape Architecture Continuing Education System has approved it for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CES. Educators and courses are not subject to preapproval in Texas.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP0000700), New York (NYSED Sponsor No. 33), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects. This course offers 6.5 continuing education to Texas professional geologists. Educators and courses are not subject to preapproval in Texas. This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity.

**Additional Learning**

**Webinar Series**

- **Off-Grid Master Class**
  - **Off-Grid Master Class, Part I**
    - Wed., Feb. 6, 2019, 11:00 AM - 2:15 PM CST
  - **Off-Grid Master Class, Part II**
    - Thurs., Feb. 7, 2019, 11:00 AM - 2:15 PM CST
- **Complying with ADA Standards for Accessible Design**
  - **Complying with Federal and State Accessibility Requirements**
    - Thurs., Feb. 7, 2019, 11:00 AM - 1:30 PM CST
  - **Meeting Requirements in IBC and ADA Standards**
    - Fri., Feb. 8, 2019, 11:00 AM - 1:30 PM CST

**Special Inspections**

- **Introduction to Chapter 17: Special Inspections**
  - Wed., Feb. 13, 2019, 11:00 AM - 1:30 PM CST
- **Soils and Foundations**
  - Wed., Feb. 13, 2019, 1:00 - 2:30 PM CST
- **Reinforced Concrete and Structural Steel**
  - Thurs., Feb. 14, 2019, 11:00 AM - 12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetration**
  - Thurs., Feb. 14, 2019, 1:00 - 2:30 PM CST

**Foundations in Cold Regions**

- **Introduction to Cold Regions Foundations**
  - Thurs., Feb. 21, 2019, 11:00 AM - 12:30 PM CST
- **Shallow Foundation Design in Cold Regions**
  - Thurs., Feb. 21, 2019, 1:00 - 2:30 PM CST
- **Deep Foundation Design in Cold Regions**
  - Fri., Feb. 22, 2019, 11:00 AM - 12:30 PM CST
- **Foundation Construction in Cold Regions**
  - Fri., Feb. 22, 2019, 1:00 - 2:30 PM CST

**Additional Information**

For more information visit:
http://www.halfmooneseminars.org/webinars/

**Can’t Attend? Order the Manual and the Audio from HalfMoon.**

Can’t Attend? Order the Manual and the Audio from HalfMoon. An audio recording of this seminar is available for $289.00. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credits.

**Registration**

**Soil Mechanics, Bearing Capacity and Slope Stabilization**
Houston, TX - Friday, March 8, 2019

**How to Register**

- **Online:** www.halfmooneseminars.org
- **Phone:** 715-835-5900
- **Fax:** 715-835-6066
- **Email:** webinars@halfmooneseminars.org

**Admission Price**

- **Day Registration:** $289.00
  - Three or more registrants from the same company registering at the same time - $269.00 each.
- **Downloadable MP3 Audio/PDF Manual** (Please allow four weeks from seminar date for delivery)

**Checks**

- Make payable to HalfMoon Education Inc.

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- Name: ____________________________
- Occupation: ____________________________
- Email: ____________________________
- Phone: ____________________________
- Fax: ____________________________

**Tuition**

- $289.00
- Three or more registrants from the same company registering at the same time - $269.00 each.
- I need special accommodations. Please contact me.

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