

HalfMoon Education Live Continuing Education Webinars

# Design and Construction on Expansive Soils

**Online - Friday, July 7, 2023 | 9:00 am - 4:00 pm CDT**

**Credits:**

Professional Engineers: 6.0 PDHs

Architects: 6.0 HSW CE Hours      AIA: 6.0 LU|HSW

International Code Council: .6 CEUs (Building)

HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278

NON-PROFIT  
U.S. POSTAGE PAID  
EAU CLAIRE, WI  
PERMIT NO. 2016



HalfMoon Education Inc.  
WWW.HALFMOONSEMINARS.ORG

AIA  
Continuing  
Education  
Provider



PREFERRED  
EDUCATION  
PROVIDER

### **Understanding Expansive Soils**

- Defining expansive soils
- Characteristics
- Mechanics of expansive soils
- Testing and identifying expansive soils

### **Shallow Foundation Design on Expansive Soils**

- Appropriate foundations for expansive soils
  - Shaft piers
  - Void forms
  - Spread footers
  - Slab construction

### **Repairing Shallow Foundations on Expansive Soils**

- Identifying problems and causes
- Assessing damage
- Considering options for repair and improvement

### **Slope Stabilization on Expansive Soils**

- Slope design
- Soil improvement
- Use of geosynthetics
- Other stabilization techniques

### **Retaining Wall Design and Maintenance on Expansive Soils**

- Common problems with retaining walls on expansive soils
- Effective retaining wall designs
- Troubleshooting, repair and maintenance

### **Presented by**

**Daniel P. Messmer, P.E., D. GE** *Project Manager with The Gateway Engineers, Inc., in Pittsburgh*

Mr. Messmer has over 30 years of engineering experience in analysis, design, plan/specification development, and project management/personnel supervision for geotechnical, foundation and structural engineering projects in the transportation, industrial, municipal and commercial fields of civil engineering. Throughout his career he has placed an emphasis on quality control and staff training. Mr. Messmer is a member of the American Society of Civil Engineers, the American Concrete Institute, the American Society of Highway Engineers and the Society of American Military Engineers. He earned his B.S. degree in Civil Engineering from the University of Pittsburgh. Mr. Messmer was accepted into the Academy of Geo-Professionals in 2013.

### **Tuition**

**\$319** for individual registration  
**\$289** for two or more registrants from the same company at the same time.

**Included with your registration:** PDF seminar manual.

### **Can't Attend? Order the Webinar as an On-Demand Package!**

Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

## **Credit Information**

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

### **On-Demand Credits**

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:  
6.0 HSW LUs (AIA)

**Learn More and Register:**  
**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**  
Customer Service (715) 835-5900 Ext. 1

or scan here

