

HalfMoon Education Live Continuing Education Webinars

Slope Stabilization and Landslide Prevention

Online - Wednesday, October 12, 2022 | 8:30 am - 5:00 pm CDT

Credits:

Professional Engineers: 7.5 PDHs

Architects: 7.5 HSW CE Hours AIA: 7.5 LU|HSW

Landscape Architects: 7.5 HSW CE Hours LA CES: 7.5 HSW PDHs

International Code Council: .75 CEUs (Sitework)

Floodplain Managers: 7.5 ASFPM CECs

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Slope Movement and Mechanisms

Types of slope movement and instability

- Rock fall and rockslides
- Translational and rotational failures
- Debris flows and rapidly moving landslides

Analyzing the stability of slopes

Slope stability concepts

- Reviewing geologic conditions
- Examining soils and topography
- Evaluating surface and groundwater conditions

A brief discussion of soil and rock mechanics

- The influence of water

Evaluating types of slopes

- Natural slopes
- Engineered slopes

Methods of slope stability analysis

Slope Stabilization Methods

Use of vegetation (bioengineering)

Surface protection

Unloading

Buttressing

Buttressing for streambank stabilization
and environmental considerations

Drainage

Reinforcement

Installing earth retention structures

Rock slope stabilization

Combining methods

Landslide Hazard and Risk Assessment

Definitions and elements of landslide hazard risk

Risk-reduction strategies (objectives for landslide mitigation)

Lifestyle cost analysis

Applications

Case Histories in Landslide Mitigation

Slope stabilization using retaining walls

Slope stabilization using combinations of methods

Rockfall mitigation

Slope stabilization using earthworks

- Shear keys and buttresses
- Unloading

Slope stabilization using drainage

Presented by

Curran E Mohnhey *Engineering Geology Program Leader*

Mr. Mohnhey is the Engineering Geology Program leader for the Oregon Department of Transportation (ODOT). In this role, he also oversees the Unstable Slopes (landslide/rockfall) Program for ODOT. He is a registered geologist and a certified engineering geologist in Oregon with over 25 years of experience in Oregon and the western states.

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 registration panel 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 7.5 PDHs for professional engineers, 7.5 HSW continuing education hours for licensed architects, and 7.5 HSW continuing education hours for landscape 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 7.5 LU/HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 7.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .75 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This webinar has been approved by the Association of State Floodplain Managers for 7.5 CECs for floodplain managers.

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).

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