Agenda

Presented by Curran E. Mohney

Overview of Cut and Fill Slope Operations
- Purposes of cut and fill operations
- Standards and best practices
- Site planning

Rock Cut Design
- Exploration of site geology
- Rock types and properties
- Rock mass properties
- Testing procedures
- Groundwater investigations
- Determining design slope angles
- Handling special conditions and formations
- Creating benches
- Rockfall catchment design
- Handling water
- Blasting and excavation

Soil Cut Design
- Exploration of site soils
- Soil types and properties
- Determining slope angles
- Groundwater investigations
- Handling spoil
- Drainage design

Fill Slope Design
- Determining slope angles
- Fill material needs
- Drainage
- Slope reinforcement

Cut Slope and Fill Slope Repair and Case Studies
- Cut and fill slope repair
- Case studies

Cut Slope and Fill Slope Design, Construction and Repair

Live, Interactive Webinar - Thursday, Ocotober 10, 2024

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

Learning Objectives

You'll be able to:

Comply with standards and best practices for cut slope and fill slope design and construction.

Identify rock types and rock mass, and determine design slope angles.

Create rock cut slope benches and design rockfall catchment.

Handle water and drainage on rock cut and soil cut slopes.

Identify fill material needs for fill slopes.

Handle cut slope and fill slope repairs.

HalfMoon Education Inc.,
Your LIVE Education Leader Presents

Cut Slope and Fill Slope Design, Construction and Repair

Live, Interactive Webinar - Thursday, Ocotober 10, 2024

Identify the important purposes of cut and fill operations

Explore rock cut design

Handle rockfall catchment design

Manage spoil from soil cuts

Learn how to design drainage solutions

Get tips on repairing cut slopes and fill slopes

Continuing Education Credits

Professional Engineers
6.0 PDHs

Architects
6.0 HSW CE Hours
6.0 AIA LU | HSW

Landscape Architects
6.0 HSW CE Hours
6.0 LA CES HSW PDHs

International Code Council
0.6 CEUs (Sitework)

AIA Continuing Education Provider
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ICC PREFERRED EDUCATION PROVIDER

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Webinar Information

Online - Thursday, Ocotober 10, 2024

Log into Webinar
8:30 - 9:00 am CDT

Break
1:30 - 2:00 pm CDT

Morning Session
9:00 am - 1:30 pm CDT

Afternoon Session
2:00 - 4:00 pm CDT

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Faculty

Curran E Mohney, *Engineering Geologist*
Mr. Mohney is the Engineering Geology Program leader for the Oregon Department of Transportation (ODOT). The Engineering Geology Program at ODOT encompasses site characterization, subsurface exploration, slopes and embankments, geologic hazards, groundwater, geotechnical instrumentation, and planning and research activities. 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. Mr. Mohney has been the Engineering Geology Program leader since 2004. Prior to this, he was a staff and project-level geologist for consulting firms and the mining industry as well as for ODOT. He is a graduate of the Geology Program at Portland State University. During his professional career, Mr. Mohney has been involved in the investigation, design, and mitigation of hundreds of landslides and rockfalls.

Credit Information

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

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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 Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Sitework (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

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Additional Learning

2024 International Building Code: Occupancy Classifications
- Tuesday, September 10, 2024 | 12:00 - 4:30 pm CDT

Ethical Issues in Structural Engineering
- Tuesday, September 10, 2024 | 10:00 - 11:00 am CDT

Plumbing Basics for Non-Plumbing Professionals
- Tuesday, September 10, 2024 | 8:30 am - 3:30 pm CDT

Complying With the International Existing Building Code
- Thursday, September 12, 2024 | 9:00 am - 5:00 pm CDT

Dark-Sky Lighting and Ordinances
- Thursday, September 12, 2024 | 1:00 - 3:00 pm CDT

Complying With the International Existing Building Code
- Thursday, September 12, 2024 | 9:00 am - 5:00 pm CDT

Deep Dive into Green Infrastructure: Planning Practices and Techniques
- Thursday, September 12, 2024 | 8:00 am - 12:30 pm CDT

Designing and Constructing for Carbon Neutrality
- Friday, September 13, 2024 | 9:00 am - 4:00 pm CDT

Project Management for Engineers
- Friday, September 13, 2024 | 9:00 am - 5:30 pm CDT

Pumping and Piping Systems
- Thursday, September 19, 2024 | 9:00 am - 12:15 pm CDT
- Friday, September 20, 2024 | 9:00 am - 12:15 pm CDT

Reinforced Concrete Building Design and Construction
- Thursday, September 19, 2024 | 8:30 am - 4:30 pm CDT

Using RSMeans Data to Create Cost Estimates
- Thursday, September 19, 2024 | 9:00 am - 4:30 pm CDT

2024 International Building Code: Types of Construction
- Tuesday, September 24, 2024 | 12:00 - 4:30 pm CDT

Distinguishing Between Construction Defects and Failures
- Wednesday, September 25, 2024 | 1:00 - 3:00 pm CDT

Residential Design Strategies for Cold Climates
- Wednesday, September 25, 2024 | 9:00 am - 4:00 pm CDT

Complying with Fair Housing Act Accessibility Requirements
- Friday, September 27, 2024 | 9:00 am - 4:30 pm CDT

Complying with Residential Provisions of the 2021 International Energy Conservation Code
- Monday, September 30, 2024 | 9:00 am - 4:30 pm CDT

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