

Agenda

Presented by: Rifka Malik, CPESC, CPE

Basic Estimating Principles

- The role of an estimator
- What is on the drawings
- What is not on the drawings, but equally important
- Extracting a proper scope of work

Earthwork Analysis

- The components of a complete earth analysis
- Expansion and compression of soils
- The significance of topsoil
- Volumes affecting earthwork

Factors That Impact the Estimate of Utilities

- How the depth of utilities impacts the estimate, and the chain of events it creates
- Two ways that pipe volume matters
- The importance of fittings and how to account for them

Calculation of Earth Spoils

- The impact of earth spoils on the cost estimate

Developing Unit Costs

- Material
- Equipment
- Labor costs
- Productivity

Estimating Erosion Control

- The responsibilities of erosion control and how they impact the estimate
- Estimating proper implementation
- The intangibles in erosion control

Proper Conversions

- Industry units of measure
- Converting for uniformity and accuracy

Class Exercise

- Work in teams to produce sample estimates of components discussed throughout the day

Estimating The Cost Of Sitework
White Plains, NY - Wednesday, September 25, 2019

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PO Box 278
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Learning Objectives

You'll be able to:

Analyze the impact of earthwork on construction projects, and understand soil compression and expansion as well as the significance of topsoil.

Develop unit costs for materials, labor, and equipment.

Examine the role of erosion control and learn how to estimate proper implementation of erosion control best management practices.

Understand the importance of industry units of measure and learn how to convert units for uniformity and accuracy.

Work in teams to produce sample estimates.



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Estimating The Cost Of Sitework

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Enhance your understanding of basic estimating principles and the role of the estimator

Explore the components of earthwork

Understand the factors that impact the estimate of utilities

Calculate earth spoils
Develop unit costs, and estimate erosion control

Participate in hands-on exercises to produce sample estimates

Continuing Education Credits

Architects

6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW

Professional Engineers

6.5 Continuing Ed. Hours

Contractors

Non-Credit Continuing Ed.



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Faculty

Rifka Malik, CPESC, CPE *Sitework Estimating Services, Inc., Suffern, NY*

Ms. Malik is the president of Sitework Estimating Services, Inc., and has spent the last 20+ years in the construction industry, specializing in sitework. She is a Certified Professional in Erosion and Sediment Control (CPESC) and a Certified Professional Estimator (CPE). Ms. Malik is an independent consulting estimator and a presenter of seminars and presentations to the AEC community, and she has published construction related articles in relevant publications.

Seminar Information

Crowne Plaza White Plains
66 Hale Avenue
White Plains, NY 10601
(914) 682-0050

Tuition
\$289 for individual registration
\$269 for three or more registrations.
Each registration includes a complimentary continental breakfast and printed seminar manual.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar. You may also send another person to take your place.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Continuing Education Credit Information

This seminar is open to the public and offers up to 6.5 HSW continuing education hours to architects in all states.

HalfMoon Education is deemed a New York-approved continuing education provider for architects via its affiliation with the American Institute of Architects.

This event is approved by the American Institute of Architects for 6.5 LU|HSW (Sponsor No. J885). Only full attendance can be reported to the AIA/CES. Visit www.halfmoonseminars.org to view complete AIA information under this course listing. Courses approved by the AIA qualify for New Jersey architects.

This course offers 6.5 continuing education hours to professional engineers in all states. Providers of continuing education for New York professional engineers are considered approved, if the provider is approved by the American Institute of Architects Continuing Education System. Courses are considered approved if they contribute to the professional practice of professional engineering in approved subject areas.

Halfmoon Education is an approved continuing education provider for New Jersey engineers (Approval No. 25GP00000700).

This event offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state with a continuing education requirement for contractors.

Additional Learning

Webinar Series

Stormwater Infiltration

- **Infiltration and Soil: Water Science**
Thurs., August 8, 2019, 11:00 AM - 12:30 PM CDT
- **Infiltrating Stormwater and Maximizing Infiltration**
Thurs., August 8, 2019, 1:00 - 2:30 PM CDT
- **Improving Infiltration with Low Impact Development Techniques**
Fri., August 9, 2019, 11:00 AM - 12:30 PM CDT

Structural Design and Ethics

- **Structural Design: Ethical Issues**
Thurs., August 15, 2019, 11:00 AM - 12:00 PM CDT
- **Structural Design: Gravity Forces**
Thurs., August 15, 2019, 12:30 - 2:30 PM CDT
- **Structural Design: Lateral Forces**
Fri., August 16, 2019, 11:00 AM - 12:30 PM CDT
- **Structural Design: Wind, Seismic and Connections**
Fri., August 16, 2019, 1:00 - 2:30 PM CDT

Proposal Writing
Wed., August 7, 2019, 11:00 AM - 3:30 PM CDT

Technical Writing

- **Planning Documents**
Wed., August 14, 2019, 11:00 AM - 1:00 PM CDT
- **Writing Documents**
Wednesday, August 14, 2019, 1:30 - 3:30 PM CDT
- **Revising and Editing Documents**
Thurs., August 15, 2019, 11:00 AM - 1:00 PM CDT
- **Technical Writing Best Practices**
Thurs., August 15, 2019, 1:30 - 3:30 PM CDT

Introduction to Hydro Energy Logic Modeling Software (HELP-FL)

- **Introduction to Hydro Energy Logic Program Modeling Software (HELP-FL), Part I**
Tues., August 20, 2019, 11:00 AM - 2:00 PM CDT
- **Introduction to Hydro Energy Logic Program Modeling Software (HELP-FL), Part II**
Wed., August 21, 2019, 11:00 AM - 2:30 PM CDT

Small Wind Energy Systems

- **Small Wind Energy System Components**
Thurs., August 22, 2019, 11:00 AM - 1:00 PM CDT
- **Small Wind Energy Siting and Sizing**
Fri., August 23, 2019, 11:00 AM - 1:00 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Registration

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____
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Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
		() I need special accommodations. Please contact me.

Tuition	
() I will be attending the live seminar. Single Registrant - \$289.00 . Three or more registrants from the same company registering at the same time - \$269.00 each.	
Checks: Make payable to HalfMoon Education Inc.	
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>	
Credit Card Number: _____	
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