

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

Raleigh, NC - Monday, February 24, 2020

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PO Box 278
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Learning Objectives

You'll be able to:

Apply basic estimating principles to estimating labor, materials and equipment for site work, improving the accuracy and reliability of site work estimates for project owners.

Consider the factors that impact the estimate of underground utility expenses, including depth of utilities and pipe volume.

Accurately calculate the amount of earth spoils, and make responsible and cost-effective plans for hauling and/or reusing spoils.

Determine compliance responsibility for erosion control management on sites and include the cost of erosion control in estimates so the site is not prone to erosion and associated environmental effects.

Work in teams to produce sample estimates.



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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 for materials, equipment and labor

Estimate erosion control

Participate in hands-on exercises to produce sample estimates

Continuing Education Credits

Professional Engineers

6.5 PDHs

Contractors

Non-Credit Continuing Ed.

Architects

6.5 HSW Contact Hours

6.5 AIA LU|HSW



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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 she 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.

Here’s what past attendees had to say about the program and presenter Rifka Malik:

“Excellent lecture.” — *Civil Engineer*

“Her passion for the subject matter is very apparent.” — *Civil Engineer*

“Excellent. Very lively and engaging.” — *Strategic Operations*

Seminar Information

Hyatt Place Raleigh West 710 Corporate Center Drive Raleigh, NC 27607 (919) 233-2205	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:30 pm	Lunch (On your own) 12:30 - 1:30 pm Afternoon Session 1:30 - 4:30 pm
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Tuition

\$289 for individual registration

\$269 for three or more simultaneous registrations.

Included with your registration:

Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

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.

Additional Learning

Webinar Series

Commercial Solar Peaker Batteries

- **Part I**
Wed., Feb. 5, 2020, 11:00 AM - 2:15 PM CST
- **Part II**
Thurs., Feb. 6, 2020, 11:00 AM - 2:15 PM CST

Pumping and Piping Systems

- **Introduction to Pumps: Operation, Principles and Calculations**
Thurs., Feb. 6, 2020, 11:00 AM - 1:00 PM CST
- **Pumping and Piping Design Standards and Codes**
Thurs., Feb. 6, 2020, 1:30 - 2:30 PM CST
- **Piping System Components, Materials and Calculations**
Fri., Feb. 7, 2020, 11:00 AM - 1:00 PM CST
- **Handling Pump and Piping System Problems**
Fri., Feb. 7, 2020 , 1:30 - 2:30 PM CST

Pavement Design

- **Principles of Pavement Design**
Wed., Feb. 12, 2020, 11:00 AM - 12:00 PM CST
- **Flexible Pavement Design**
Wed., Feb. 12, 2020, 12:30 - 2:30 PM CST
- **Rigid Pavement Design**
Thurs., Feb. 13, 2020, 11:00 AM - 1:00 PM CST
- **Maintenance, Rehabilitation and Sustainability of Pavements**
Thurs., Feb. 13, 2020, 1:30 - 3:30 PM CST

Ethical Issues for Engineers

- **Resolving Disputes and Handling Ethical Issues in Government Projects**
Fri., Jan. 31, 2020, 12:00 - 1:00 PM CST
- **Complying with Rules of Professional Conduct**
Fri., Feb. 14, 2020, 12:00 - 1:00 PM CST

For more information and other online learning opportunities visit: www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW contact hours to architects in all states. HalfMoon Education is an approved continuing education provider for North Carolina engineers.

This seminar is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885). Visit www.halfmoonseminars.org for complete AIA/CES course information under this seminar listing. Activities approved by the AIA qualify for North Carolina architects. Only full attendance is reportable to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects.

This event offers a non-credit continuing education opportunity to construction contractors.

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.

Registration

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How to Register	
Online: www.halfmoonseminars.org	
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Complete the entire form. Attach duplicates if necessary.	
Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ 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: *Mastercard, Visa, American Express, or Discover*

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