

Agenda

Presented by
Rifka Malik, CPESC, CPE and Daniel Frondorf, CPE, CDT

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

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Estimating the Cost of Sitework
Live, Interactive Webinar - Fri., January 29, 2021

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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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HalfMoon Education Online Learning

Estimating the Cost of Sitework

Live, Interactive Webinar - Friday, January 29, 2021



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

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International Code Council
.65 CEUs (Sitework)



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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.

Daniel Frondorf, CPE, CDT *DG Frondorf and Associates LLC, Cincinnati*
Mr. Frondorf owns and operates Cincinnati based DG Frondorf and Associates LLC, a construction cost estimating consulting firm. He is a member of CERT, AACE, and ASPE, and he has 22 years of service as a construction estimator. he has presented several seminars on estimating practices and ethical bidding topics to trade associations and at industry events. Mr. Frondorf is also a past instructor of construction estimating at the University of Cincinnati and has guest lectured there and at Cincinnati State Technical and Community College. He has also written several articles on estimating-related topics in *Estimating Today* and *Design Cost Data* magazines.

Webinar Information

Log into Webinar 8:00 - 8:30 am EST	Break 12:30 - 1:30 pm EST
Morning Session 8:30 am - 12:30 pm EST	Afternoon Session 1:30 - 4:30 pm EST

Tuition
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Additional Learning

International Building Code Chapter 17
- Mon, Dec 28, 2020 | 9:00 am - 4:30 pm CST

Residential and Small Commercial International Energy Conservation Code
- Tues, Dec 29, 2020 | 9:30 am - 4:30 pm CST

Special Inspections under the 2018 International Building Code Chapter 17
- Mon., January 11, 2021 | 7:30 am - 3:00 pm CST

Introduction to HEC-HMS Modeling
- Tues., January 12, 2021 | 8:30 am - 5:00 pm CST

Structural Forensic Engineering
- Wed., January 13, 2021 | 10:00 am - 1:45 pm CST
- Thurs., January 14, 2021 | 10:00 am - 1:45 pm CST

Practical Site Engineering: Science & Techniques
- Thurs., Jan. 14, 2021 | 11:00 am - 3:15 pm CST
- Fri., Jan. 15, 2021 | 11:00 am - 2:15 pm CST

For more information and other online learning opportunities visit:
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Continuing Education Credit Information
This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in all states.

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The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (85%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

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