

Agenda

Presented by Daniel Frondorf, CPE, CDT

Producing Different Types of Cost Estimates

Purposes of and methodologies for cost estimates

- Design estimate
- Bid estimate
- Control estimate

Construction Estimating Resources and Processes

Estimating team
Estimating process
Data resources
CSI Masterformat

Estimating Labor, Equipment, Overhead and Profit

Estimating labor costs
Estimating for construction equipment costs
Estimating overhead costs
Estimating profit

Analyzing Risk, Managing Subcontractors and Human Interaction as part of the Estimating Process

Estimators as risk identifiers and mitigators
Soliciting, receiving and reviewing subcontractor and vendor quotes
How human nature impacts our work as estimators

Group Estimating Exercises

Work together in teams to estimate the costs of different components of a single construction project; teams will perform quantity takeoffs and develop cost estimates for excavation, concrete footers and masonry walls

Using Construction Estimating Software

Review of industry-standard software for quantity takeoffs of one, two and three dimensional units, PDF creation and manipulation and spreadsheet based cost estimating templates

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. 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.

Construction Cost Estimating
Cherry Hill, NJ - Thursday, November 14, 2019

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

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



Learning Objectives

You'll be able to:

Distinguish between different kinds of construction cost estimates (design, bid, and control).

Identify construction cost estimating resources.

Discuss the role of the estimator as an identifier and mitigator of risk.

Apply processes and strategies to estimate costs for labor, equipment, overhead and profit.

Assess industry-standard software to assist in estimating costs.

Work as a member of a cost estimating group to estimate different components of a construction project.



Find us on
Facebook

Construction Cost Estimating

Cherry Hill, NJ - Thursday, November 14, 2019



Understand and produce different types of cost estimates

Learn construction estimating resources and processes

Estimate labor, equipment, overhead and profit

Participate in a group estimating exercise for excavation, concrete footers and masonry walls

Review construction estimating software

Continuing Education Credits

Professional Engineers
6.5 CPC Credits/PDHs

Contractors
Non-Credit Continuing Ed.

Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

**AIA
Continuing
Education
Provider**

Faculty

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 Consulting Estimators Round Table (CERT), AACE, and the American Society of Professional Estimators (ASPE). He has 22 years of service as a construction estimator, and 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.

Seminar Information

Holiday Inn Philadelphia-Cherry Hill 2175 West Marlton Pike Cherry Hill, NJ 08002 (856) 663-5300	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:00 pm	Lunch (On your own) 12:00 - 1:00 pm Afternoon Session 1:00 - 4:30 pm
--	---	---

Tuition
\$289 for individual registration
\$269 for three or more simultaneous registrations.

Included with your registration:
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 or the self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series
National Electrical Code

- **National Electrical Code, Part I**
Tues., Oct. 22, 2019, 11:00 AM - 3:30 PM CDT
- **National Electrical Code, Part II**
Wed., Oct. 23, 2019, 11:00 AM - 3:30 PM CDT
- **National Electrical Code, Part III**
Thurs., Oct. 24, 2019, 11:00 AM - 3:30 PM CDT

Slope Stability and Landslide Prevention

- **Slope Movement and Mechanisms**
Thurs., Oct. 24, 2019, 11:00 AM - 1:00 PM CDT
- **Slope Stabilization Methods**
Thurs., Oct. 24, 2019, 1:30 - 3:00 PM CDT
- **Landslide Hazard and Risk Assessment**
Fri., Oct. 25, 2019, 11:00 AM - 12:00 PM CDT
- **Slope Stabilization and Landslide Mitigation**
Fri., Oct. 25, 2019, 12:30 - 2:30 PM CDT

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

HEC-RAS Webinar Series

- **Hydraulic Principles and Applications**
Tues., Oct. 29, 2019, 11:00 AM - 1:00 PM CDT
- **Working with the HEC-RAS User Interface**
Tues., Oct. 29, 2019, 1:30 - 3:00 PM CDT
- **Water Surface Profiling**
Thurs., Oct. 31, 2019, 11:00 AM - 1:00 PM CDT
- **Steady Flow Surface Profile Demonstrations**
Thurs., Oct. 31, 2019, 1:30 - 3:30 PM CDT

Distributed Batteries for Solar PV Systems

- **Distributed Batteries for Solar PV Systems, Part I**
Wed., Nov. 6, 2019, 11:00 AM - 2:15 PM CST
- **Distributed Batteries for Solar PV Systems, Part II**
Thurs., Nov. 7, 2019, 11:00 AM - 2:15 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with State & Federal Accessibility Requirements**
Thurs., Nov. 7, 2019, 11:00 AM - 1:30 PM CST
- **Applying the 2010 & A117.1 Accessibility Standards**
Fri., Nov. 8, 2019, 11:00 AM - 1:30 PM CST

Continuing Education Credit Information

This seminar is open to the public and offers up to 6.5 CPC credits/PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states. HalfMoon Education is an approved continuing education provider for New Jersey engineers (Approval No. 24GP00000700).

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

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

This seminar offers a non-credit continuing education opportunity to contractors; it has not been approved in any state that has a contractor continuing education requirement.

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.

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at \$269. 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.

Registration

Construction Cost Estimating
Cherry Hill, NJ - Thursday, November 14, 2019

How to Register	
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
Fax: 715-835-6066	Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
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.	
() I am not attending. Please send me the self-study package: ☐ Downloadable MP3 Audio/PDF Manual for \$269.00 . ☐ CD/Manual Package for \$289.00 . ☐ USB/Manual Package \$289.00 . (S&H included. Please allow five weeks from seminar date for delivery)	
Checks: Make payable to HalfMoon Education Inc.	
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>	
Credit Card Number: _____	
Expiration Date: _____ CVV2 Code: _____	
Cardholder Name: _____	
Billing Address: _____	
City: _____ State: _____ Zip: _____	
Signature: _____	
Email: _____	