

Agenda

Presented by Mike Keating, PE, MBA

Types and Levels of Cost Estimates: Purposes and Objectives

Conceptual estimates
Design estimates, contingencies, and escalation
Bid estimates and the bid process
Construction control estimates and change orders
Design build vs. design-bid-build

Construction Estimating Resources and Processes

Estimating team
Estimating process/quantity takeoff
Data resources
CSI MasterFormat/work breakdown structure/assemblies
Cost/bid factors/construction economy

Estimating Labor, Equipment, Overhead and Profit

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

Estimating Construction Materials and Services

Earthwork and excavation
Pavements and other site work
Concrete
Wood
Steel
Masonry
Thermal and moisture protection
Interior construction
Finishes
Equipment, furnishings, conveying systems, special construction

Estimating Mechanical, Electrical and Plumbing

Plumbing
Mechanical/fire protection systems
Electrical/communication systems

Value Engineering, Lifecycle Costing, and Estimating Software

Estimating example
Value engineering
Life-cycle costing
Estimating software

Construction Cost Estimating
Mobile, AL - Thursday, February 14, 2019



Halfmoon Education Inc.
PO BOX 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Define the purposes and objectives of construction cost estimates.

Examine and compare conceptual estimates, design estimates, bid estimates and construction control estimates.

Explore estimating data resources, and discuss CSI MasterFormat.

Handle estimates for labor, equipment, materials, services, mechanical, electrical, plumbing, overhead and profit.

Review commonly-used construction cost estimating software.



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Review the purposes and objectives of construction cost estimates

Receive practical advice for estimating labor, equipment, materials, overhead and profit

Learn about estimating pavement, concrete, wood, steel, interior construction and mechanical systems

Discuss the role of value engineering and lifecycle costing, and review commonly-used cost estimating software

Continuing Education Credits

Professionals Engineers

6.5 PDHs

Architects

6.5 HSW CEHs

6.5 AIA HSW Learning Units

Interior Designers

6.5 Alabama CEUs

Contractors

Non-Credit Continuing Ed.



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Faculty

Mike Keating has been in the construction industry for over 27 years in various capacities including estimator/cost engineer, project manager, construction manager, director of construction, and A/E construction administrator to name a few. He has been involved in both commercial and residential construction projects both in the public and private sectors with several individual projects exceeding \$100 million in construction value. He currently works for the U.S. Army Corps of Engineers as a cost engineer and value engineering officer on large military, civil works, and inter-agency developments. In addition, he teaches a class in Construction Engineering as an adjunct instructor at the University of South Alabama, Department of Civil, Coastal, and Environmental Engineering.

Mr. Keating grew up in Omaha, Nebraska, and holds a bachelor of Construction Management degree from the University of Nebraska. In addition, he received his MBA degree from the University of West Florida in 2004. He is a licensed professional engineer (PE) in the State of Virginia, a certified general contractor (CGC) in the State of Florida, and holds several other industry certifications including certified cost engineer (CCE), value management associate (VMA), certified professional estimator (CPE), and certified construction contract administrator (CCCA).

Here’s what past attendees had to say about the seminar and presenter Mike Keating:

“Very good presentation, very knowledgeable about types of estimates and what goes into creating a good, valuable estimate.” – *Professional Engineer*

“Great presentation, very knowledgeable.” – *Construction Manager*

“Very enjoyable. Kept it exciting.” – *Architect*

“Instructor was extremely knowledgeable and open to our questions.” – *Electrical Engineer*

Seminar Information

Renaissance Mobile Riverview Plaza Hotel 64 South Water Street Mobile, AL 36602 (251) 438-4000	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
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Tuition

\$279 for individual registration

\$259 for three or more simultaneous registrations.

Each registration includes a 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 a job description, go online to 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 or the self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series

Commercial Solar Peaker Batteries

- **Commercial Solar Peaker Batteries, Part I**
Wed., Jan. 9, 2019, 11:00 AM - 3:15 PM CST
- **Commercial Solar Peaker Batteries, Part II**
Thurs., Jan. 10, 2019, 11:00 AM - 2:15 PM CST

Proposal Writing

Fri., Jan. 11, 2019, 11:00 AM - 3:30 PM CDT

Technical Writing

- **Technical Writing Basics**
Mon., Jan. 14, 2019, 11:00 AM - 1:00 PM CST
- **Planning Documents**
Mon., Jan. 14, 2019, 1:30 - 3:30 PM CST
- **Writing Documents**
Tue., Jan. 15, 2019, 11:00 AM - 1:00 PM CST
- **Revising and Editing Documents**
Tue., Jan. 15, 2019, 1:30 - 3:30 PM CST

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

Fiber-Reinforced Composites

- **Portland Cement and Masonry**
Thurs., Jan. 17, 2019, 11:00 AM - 1:00 PM CST
- **Fiber-Reinforced Composites**
Thurs., Jan. 17, 2019, 1:30 - 3:30 PM CST
- **Fiber-Reinforced Polymer (FRP) Composites Reinforcement**
Fri., Jan. 18, 2019, 11:00 AM - 1:00 PM CST
- **Overview of Sandwich Materials and Structures**
Fri., Jan. 18, 2019, 1:30 - 3:30 PM CST

Pumping and Piping Systems

- **Introduction to Pumps: Operation, Principles and Calculations**
Thurs., Jan. 24, 2019, 12:00 - 2:00 PM CST
- **Design Standards and Codes**
Thurs., Jan. 24, 2019, 2:30 - 3:30 PM CST
- **Piping System Components, Materials and Calculations**
Fri., Jan. 25, 2019, 12:00 - 2:00 PM CST
- **Handling Pump and Piping System Problems**
Fri., Jan. 25, 2019, 2:30 - 3:30 PM CST

Continuing Education Credit Information

This seminar is open the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states. This course offers 6.5 HSW CEUs to interior designers in Alabama. Educators and courses are not subject to preapproval in Alabama.

This seminar is registered with the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported 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), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education an approved Florida architect continuing education provider and is deemed an approved continuing education sponsor for New York architects.

This program offers a non-credit continuing education opportunity to Alabama construction contractors. It has not been submitted to any state contractor licensing entity for course approval.

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 the Audio from the Live Seminar as a Self-Study Package!

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Occupation: _____ Email: _____ Phone: _____
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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the self-study package for **\$289.00**.

Downloadable MP3 Audio/PDF Manual

CD/Manual Package

(Please allow four weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

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