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

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.

Construction Cost Estimating

Mobile, AL - Thursday, February 14, 2019

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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.
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 (C GC) 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.” — Architect
“Very enjoyable. Kept it exciting.” — Construction Manager
“Very good presentation, very knowledgeable about types of estimates and what goes into creating a good, valuable estimate.” — Professional Engineer

Electrician

Seminar Information

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

For availability and a job description, go online to www.halfmoonseminars.org.

Full Waterloo

How to Register

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

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

Additional Learning

Webinar Series
Commercial Solar Peaker Batteries
- Commercial Solar Peaker Batteries, Part I
  Wed., Jan. 9, 2019, 11:00 AM - 1:00 PM CST
- Commercial Solar Peaker Batteries, Part II
  Thurs., Jan. 10, 2019, 11:00 AM - 2:15 PM CST
Proposal Writing
- Proposal Writing
  Fri., Jan. 11, 2019, 11:00 AM - 5:30 PM CST
Technical Writing
- Technical Writing Basics
  Mon., Jan. 14, 2019, 11:00 AM - 1:00 PM CST
- Writing Documents
  Mon., Jan. 14, 2019, 1:30 - 5:30 PM CST
- Writing Editing Documents
  Tues., Jan. 15, 2019, 11:00 AM - 1:00 PM CST
- Writing Editing Documents
  Tues., Jan. 15, 2019, 1:30 - 5:30 PM CST

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 - 5:30 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 - 5:30 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 - 5:30 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 - 5:30 PM CST

Continuing Education Credit Information

This seminar is open to 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 approval in Alabama. This seminar is registered with the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. 8885). Only full attendance can be reported to the AIA/CEP.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE210000359), Maryland, New Jersey (Approval No. 24G0000050700), 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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