

# Agenda

Presented by Mr. Robert Secrest  
P.E., CCE, LSSBB, MIAM, MBA

## 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

## Estimating Construction Materials and Services

- Earthwork and excavation
- Pavements
- Concrete structures
- Wood structures
- Steel structures
- Masonry
- Floors
- Roofing
- Interiors
- Finishes

## Estimating Mechanical, Electrical and Plumbing

- Plumbing
- Electrical systems
- Mechanical systems

## Using Construction Estimating Software

- Review of industry-standard software

Construction Cost Estimating  
Irvine, CA - Tuesday, March 26, 2019



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## Learning Objectives

### You'll be able to:

**Identify** the purpose of, and methodologies for, different types of cost estimates such as design, bid and control estimates.

**Utilize** data resources and CSI MasterFormat to create, estimates.

**Estimate** construction material costs for concrete, wood, steel, masonry, roofing and finishes.

**Review** procedures for estimating costs related to plumbing, electrical and mechanical systems.

**Explore** industry standard software to estimate construction costs.



# Construction Cost Estimating

Irvine, CA - Tuesday, March 26, 2019



**Understand** the difference between design, bid and control estimates

**Assemble** an estimating team and review data resources

**Learn** how to estimate labor, overhead, materials and profit

**Estimate** electrical, mechanical and plumbing costs

**Explore** industry-standard software

## Continuing Education Credits

### Professional Engineers

6.5 PDHs

### Architects

6.5 HSW Continuing Ed. Hours\*

6.5 AIA HSW Learning Units

### Contractors

Non-Credit Continuing Ed.

\*Does not qualify for California accessibility requirement



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# Faculty

**Mr. Robert Secrest, P.E.** CCE, LSSBB, MIAM, MBA

Mr. Secrest is a highly-decorated public works and capital projects cost estimator and executive working throughout southern California and around the world in the fields of utilities infrastructure, facilities, transportation, heavy civil, rail, bridges, residential, commercial and military, including asset management and maintenance and operations. His accomplishments include registered professional civil engineer (P.E.), certified cost engineer (C.C.E.), certified asset manager (MIAM) and master of business administration (MBA). As the first ever director of assets inside a major public works entity, Mr. Secrest leads cost estimating on several remarkable public works infrastructure programs for the U.S. military, public works departments and local water districts, including several large-scale construction projects such as the \$150 million Point Loma Fuel Farm Replacement Project, the \$8 Billion Westside Purple Line Extension, and an Underground Subway Project for LA Metro. He also worked on the \$3.4 billion fire and police station construction program while stationed in-country during Operation Enduring Freedom in Kabul, Afghanistan, as a federal service medal recipient. He has also had the opportunity to lead several large-scale construction projects throughout his 25-year career such, as the \$8 billion east span of the Oakland to San Francisco Bay Bridge (OSFBB), the \$2.3 billion Sunrise Power-Link Project and the \$150 million Sound Transit Link Light Rail. Mr. Secrest is lauded for his remarkable accuracy in cost estimating, having achieved within one to three percent of general contractor sealed bids on several projects in California. He has delivered engaging presentations at annual conferences for the American Water Works Association (AWWA), WEF and CMAA. He has also presented before city councils on numerous occasions.

# Seminar Information

**Irvine Marriot**  
18000 Von Karman Avenue  
Irvine, CA 92612  
(949) 553-0100

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 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 job description, please visit [www.halfmoonseminars.org](http://www.halfmoonseminars.org).

**How to Register**  
• Visit us online at [www.halfmoonseminars.org](http://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.

## 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 with continuing education requirements. This seminar does not qualify for California's mandated accessibility continuing education requirement for architects.

This seminar is approved by 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. 24GP0000700), New York (NYSSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved architect continuing education sponsor for New York architects.

This course also offers a non-credit continuing education opportunity for construction contractors. Credit approval is not being sought in any state with 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.

# Additional Learning

## Webinar Series

### Complying with ADA Standards for Accessible Design

- **Complying with Federal and State Accessibility Requirements**  
Thurs., Feb. 7, 2019, 11:00 AM -1:30 PM CST
- **Meeting Requirements in IBC and ADA Standards**  
Fri., Feb. 8, 2019, 11:00 AM -1:30 PM CST

### Special Inspections

- **Introduction to Chapter 17: Special Inspections**  
Wed., Feb. 13, 2019, 11:00 AM -12:30 PM CST
- **Soils and Foundations**  
Wed., Feb. 13, 2019, 1:00 -2:30 PM CST
- **Reinforced Concrete and Structural Steel**  
Thurs., Feb. 14, 2019, 11:00 AM -12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**  
Thurs., Feb. 14, 2019, 1:00 -2:30 PM CST

### Foundations in Cold Regions

- **Introduction to Cold Regions Foundations**  
Thurs., Feb. 21, 2019, 11:00 AM -12:30 PM CST
- **Shallow Foundation Design in Cold Regions**  
Thurs., Feb. 21, 2019, 1:00 -2:30 PM CST
- **Deep Foundation Design in Cold Regions**  
Fri., Feb. 22, 2019, 11:00 AM -12:30 PM CST
- **Foundation Construction in Cold Regions**  
Fri., Feb. 22, 2019, 1:00 -2:00 PM CST

### Soil Mechanics and Retaining Wall Design

- **Soil Investigation and Classification**  
Wed., Feb. 27, 2019, 11:00 AM -1:00 PM CST
- **Retaining Walls: What They Do and How They Do It**  
Wed., Feb. 27, 2019, 1:30 -2:30 PM CST
- **Geosynthetics and Retaining Walls**  
Thurs., Feb. 28, 2019, 11:00 AM -1:30 PM CST
- **Retaining Wall Failures and Fixes/Site Layout and Prevention**  
Thurs., Feb. 28, 2019, 2:00 -4:00 PM CST

For more information visit:  
[www.halfmoonseminars.org/webinars/](http://www.halfmoonseminars.org/webinars/)

### 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

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<b>How to Register</b>	<b>Registrant Information</b>
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
<b>Phone:</b> 715-835-5900	<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____
<b>Fax:</b> 715-835-6066	
<b>Mail:</b> HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
<b>Complete the entire form.</b> 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.

<b>Tuition</b>
( ) <b>I will be attending the live seminar.</b> Single Registrant - <b>\$289.00</b> . Three or more registrants from the same company registering at the same time - <b>\$269.00</b> each.
( ) <b>I am not attending.</b> Please send me the self study-package: <input type="checkbox"/> Downloadable MP3 Audio/PDF Manual for <b>\$269.00</b> . <input type="checkbox"/> CD/Manual Package for <b>\$289.00</b> . (Please allow four weeks from seminar date for delivery)
<b>Checks:</b> Make payable to HalfMoon Education Inc.
<b>Credit Card:</b> <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____