

Agenda

Producing Different Types of Cost Estimates

- Purposes of and methodologies for cost estimates
 - Rough order of magnitude (ROM)
 - Concept/schematic
 - Design development
 - Construction/permit documents
 - Bid/final documents

Construction Estimating Resources and Processes

- Estimating formats (Uni-format, CSI, etc.)
- Estimating/take-off software
- Estimating process
- Estimating team
- Data resources

Estimating Labor, Equipment

- Estimating labor costs
- Estimating for construction equipment costs
- Estimating overhead costs
- Estimating profit
- Contingencies (design & escalation)

Evaluation of Cost Estimate - Materials and Services

- Specific areas of work by CSI Division
- Specialty cost items to look for
- Subcontractor mark-ups
- Soft costs/FF&E

Value Engineering (VE) – Related Cost Impact

- Introduction to the VE workshop
- The A&E's role
- How the estimate of record is used
- The cost impacts of creativity
- Results and implications for the owner's budget

Construction Cost Estimating and Value Engineering
Fairfax, VA - Thursday, June 20, 2019

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Learning Objectives

You'll be able to:

Identify the purposes of and methodologies for cost estimates.

Explore available construction estimating resources.

Discuss the processes for estimating labor costs, equipment costs, overhead and profit.

Review specific areas of work by CSI Division and learn about specialty cost items to look for.

Examine value engineering and discuss related cost impact.



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Construction Cost Estimating and Value Engineering

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Learn about producing different types of cost estimates for different project phases

Explore construction estimating resources and processes

Examine the practice of estimating construction equipment costs

Evaluate subcontractor mark-ups and discuss soft costs

Learn about value engineering and related cost impacts

Continuing Education Credits

Professional Engineers

6.5 Continuing Ed. Hours

Architects

6.5 Continuing Ed. Hours (HSW)

6.5 AIA HSW Learning Units

Contractors

Non-Credit Continuing Ed.



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Christopher Taylor
Senior Preconstruction Manger with Downey & Scott, LLC in Warrenton, Virginia

Mr. Taylor brings an invaluable perspective from his 34 years of construction experience. He has worked as a preconstruction manager, estimator, project manager, commissioning liaison and company executive with several respected mechanical contractors and construction management firms. Mr. Taylor has led the successful completion of various public and private construction projects, ranging from K-12 projects to higher education projects to office buildings to public safety facilities to Net Zero projects. In the past, he has also held various security clearances to work on sensitive and classified government agency projects. His unique ability to analyze and cost construction (specializing in mechanical cost) in both upfront and life cycle aspects has contributed to project success and effectiveness. Mr. Taylor works daily on a variety of projects and utilizes the most recent technology to insure the best work product possible. He is versed in all types of construction delivery methods – design/bid/build, design/build, PPEA, and construction manager-at-risk. Mr. Taylor also has extensive knowledge of the various mechanical and plumbing aspects of the projects – unitary equipment, central plant equipment, hydronic piping systems, steam piping systems, variable refrigerant flow systems, ductwork systems, VAV systems, gas piping, domestic water piping, DWV piping, laboratory piping and plumbing fixtures/equipment to name a few. While very adept at mechanical systems, he has also worked with every construction division for cost estimating, project coordination and construction management. His proficiency, professionalism and team player mentality is reflected in the high quality of the workmanship he puts into every project. Mr. Taylor is also proficient in networking with client contacts and maintaining the highest degree of professionalism and confidentiality while providing services for each client.

Seminar Information

Hilton Garden Inn Fairfax
3950 Fair Ridge Drive
Fairfax, VA 22033
(703) 385-7774

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.

- 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.

Don “D” Daigle
Cerifited Value Specialist (CVS), Certified Professional Estimator (CPE) with Downey & Scott, LLC in Warrenton

Mr. Daigle brings an invaluable perspective from his 36 years of construction management and engineering experience. He has worked as an estimator and project/construction manager, and he was the owner/operator of a firm for nationwide construction projects. Mr. Daigle led the successful completion of various public and private construction projects, ranging from college and university campuses to public safety facilities. He has a wide range of experience in value engineering, cost estimating and cost management, life cycle cost analysis, design, master planning, scheduling, quality control techniques, negotiation and administration of contracts. Mr. Daigle maintains the highest degree of professionalism and confidentiality while providing services on sensitive and classified projects. His tenure as a construction engineer and project manager adds a valuable perspective to today’s dynamic market.

Michael Van Dyke
Project Manager with Downey & Scott, LLC

Mr. Van Dyke has 23 years of experience in the construction industry ranging from heavy equipment repair and excavation to all aspects of custom home building. Since 2007 he has worked with Downey & Scott as a civil estimator. He has a bachelor’s degree in Agricultural Business from Virginia Tech. Mr. Van Dyke also works with the Mii version of the U.S. Military’s MCASES cost estimating software.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 continuing education hours to professional engineers and architects (HSW) in all states. Educators and courses are not subject to preapproval in Virginia.

This event has been 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.

The New York State Education Department considers courses as approved for New York State mandatory continuing education for professional engineers if the sponsor’s courses are approved by the American Institute of Architects Continuing Education System **and** are in approved subject areas.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

This seminar offers a non-credit continuing education opportunity to construction contractors; it has not been approved by any state contractor licensing entity for continuing education purposes.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire program. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

- Webinar Series**
- Construction Cost Estimating**
- **Introduction to Cost Estimating**
Thurs., May 23, 2019, 11:00 AM - 12:30 PM CDT
 - **Cost Components – A Closer Look at the Estimates**
Thurs., May 23, 2019, 1:00 - 3:00 PM CDT
 - **Cost Estimate Organization and Examples**
Fri., May 24, 2019, 11:00 AM - 1:00 PM CDT
 - **Cost Estimating Topics**
Fri., May 24, 2019, 1:30 - 3:00 PM CDT

For more information visit:
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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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	Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____ 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 - **\$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**.

(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: _____

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