

Agenda

Presented by Stephen R. McCune, David M. Battle and Chris Sonderby

Introduction – The Role of Scheduling in Project Planning S. McCune

How Good Scheduling & Planning affects projects
Increased productivity
Increased Quality Assurance
Increased Safety

Cost Control D. Battle

History of the Estimator
The Transformation of the Estimator
Estimator's new roles as Construction Managers
Value of the Parallel Estimate

Project Control D. Battle

Translating an Estimate into a Schedule of Values
Developing a Bar-Chart from the Schedule of Values
Determine Bar-Chart Over-Lapping Activities

Gilbane Card Trick & Bar "Gantt" Charts S. McCune/C. Sonderby

Development of construction schedules
Advantages and disadvantages of the most common schedules
Creating the most common bar charts

Introduction to Critical Path Method "CPM" Scheduling C. Sonderby

Development of a CPM type Schedule
Advantages and disadvantages
Finding the critical activities and the critical path

Fine-Tuning and Changing the Schedule S. McCune/C. Sonderby

Resource allocation and resource leveling
Float & Lag
Delays & Changes
Computerized scheduling
Primavera, Microsoft Project, others

Construction Scheduling and Cost Control
Arlington, TX - Wednesday, May 29, 2019

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Learning Objectives

You'll be able to:

Understand how project planning can increase productivity and control costs.

Discuss the advantages and disadvantages of bar (Gantt) charts and Critical Path Method (CPM) scheduling.

Create a CPM logic diagram and understand how to find start and finish dates, identify activities and calculate durations.

Improve resource allocation and materials management.

Discuss methods for fine-tuning a construction schedule and how to manage changes and delays.



Construction Scheduling and Cost Control

Arlington, TX - Wednesday, May 29, 2019



Examine the role of scheduling in construction project planning and cost control

Review bar (Gantt) charts and how they are used in construction scheduling

Learn about the history and goals of Critical Path Method (CPM) scheduling

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 AIA Learning Units

(Not Eligible for Texas Architects)

Understand the components and processes used in CPM scheduling

Discuss fine tuning and changing project schedules

Contractors

Non-Credit Continuing Ed.



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Faculty

Stephen R. McCune

McCune Construction Services Group, LLC, and McCune Estimating Services, Inc.

Mr. McCune is a 40+ year veteran of the construction industry, a professional construction cost estimator and a project manager. He is currently vice president of McCune Estimating Services, Inc., president of McCune Construction, Inc., and founder and a managing member of McCune Construction Services Group, LLC. Mr. McCune is an active member of North Texas Association of Government Guaranteed Lenders (NTAGGL), Houston Association of Government Guaranteed Lenders (HAGGL), Central Texas Association of Government Guaranteed Lenders (CTAGGL), and the American Society of Professional Estimators (ASPE). He is a former treasurer and current secretary for ASPE Chapter #43, vice president of Certified Estimators Round Table (CERT), a Trammel Crow/US Leadership ACE Eagle award recipient, and a graduate of Rapport Leadership International and the Associated General Contractors - Supervisory Training Program (STP). Mr. McCune is currently serving as the District 6 commissioner on the City of Fort Worth - Urban Design Commission, and he is District 6's representative on the newly-formed Mixed-Use Zoning Advisory Group (MUZAG) for city of Fort Worth, District 6. He has played a role in the construction or remodeling of projects across the Dallas/Fort Worth area, including DFW Airport, American Airlines, NBC, Texas Motor Speedway, Tarrant County, Dallas County, General Dynamics, Tarrant County Junior College, University of Texas at Arlington, City of Arlington, Texas Health Systems (Harris Health Systems), Baylor Medical, Ridgmar Mall, Federal Department of Corrections, Department of Treasury, and numerous churches, schools, hotels, retail center and residential projects. Mr. McCune is an Eagle Scout, a Friend of Scouting and is the former vice chairman of Brazos Valley District of Boy Scouts of America.

David M. Battle FCPE, CERT

Pre Construction Services, Inc.

Mr. Battle has over 42 years of experience in cost estimating. He is a certified professional estimator through the American Society of Professional Estimators and is a 1976 Construction Management graduate from Oklahoma State University. Since 1994, he has been a cost consultant, providing estimating, budgeting, construction advisor and project services to architects, developers and owners throughout Oklahoma and surrounding states. As a cost estimator for Pre Construction Services, Inc., Mr. Battle creates estimates are in CSI order, yet as required by the owner's needs. He works with architects to create estimate reviews at the end of each phase of the schematic design phase, design development phase, and construction documents phase. Pre Construction Services, Inc. utilizes "Planswift" electronic on-screen take-off. Their costing is based on a combination of historical costing, assembly costing and RS Means costing. The firm has also developed a method of independent estimating paralleling the construction manager (CM) method of estimating. The parallel estimate provides a detailed breakdown for each CSI Division, in lieu of lump-sum preliminary sub-bids prepared by sub-contractors and inserted into the CM's breakdown. This allows owners and architects to identify line items that may or may not be required for the final design. This approach allows an independent opinion that reinforces decisions to move forward by managers and owner representatives. It also identifies "budget busting" issues, providing an early breakdown before plans develop, protecting costly modifications to the design and delays to the owner's schedule.

Chris Sonderby, CPE

CK Consulting Services

Mr. Sonderby is the Executive Vice President of CK Consulting Services and is a Certified Professional Estimator. He has been estimating and scheduling for more than 35 years. His project experience ranges from single family dwellings to large, multi million dollar commercial and industrial facilities. Mr. Sonderby is a member of the American Society of Professional Estimators and was the president of the Dallas Chapter for two terms. He has taught seminars in Primavera scheduling, computerized construction estimating, job costing for construction projects and general construction accounting.

Registration

Construction Scheduling and Cost Control

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| How to Register | |
|---|-------------------------|
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Seminar Information

The Bob Duncan Center

2800 South Center Street
Arlington, TX 76014
(817) 465-6661

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

Tuition

\$289 for individual registration
\$269 for three or more 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.

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers in most states. Educators and courses are not subject to pre-approval in Texas.

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.

This course offers a non-credit continuing education opportunity to Texas architects. The subject of this seminar has been deemed non-HSW by the American Institute of Architects, who has approved for 7.0 Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

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

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/

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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.