

Agenda

Presented by Mike Keating, PE, MBA

Construction Players, Stages of a Project

- Construction entities
- Organizational structure
- Public vs. private
- Unions
- Project types
- Project lifecycle
- Construction technology

Real Estate, Feasibility, Design Professional & Contractor Selection, Programming

- Due diligence, code research
- Project delivery type
- Source selection
- Design process, A/E scope of work & fee structure
- Sustainability (Green)

Drawings, Specifications, Contracts, Bidding, Pre-Construction, Mobilization

- Work breakdown structure, bid package
- Types of contracts
- General and supplemental conditions
- Liens
- Bonds and insurance
- Buyout, subcontracts

Scheduling

- Gantt, bar charts
- Critical path method (CPM)
- Misc. schedule topics – Liquidated damages, schedule “crashing”

Construction Phase

- Claims, dispute resolution
- Change orders
- Schedule of values, pay applications
- Equipment
- Labor issues
- Materials
- Project closeout

Miscellaneous Topics

- Safety
- Earned value management
- Summary – scope, time, cost, quality, HR, communications, risk, procurement

Construction Project Management

Live, Interactive Webinar - Monday, November 23, 2020

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Learning Objectives

You'll be able to:

Identify the key players in a construction project and define common project types.

Learn how to perform due diligence and conduct code research.

Understand the bidding process.

Discuss the design, pre-construction and mobilization contract phases.

Apply the critical path method to the project schedule.

Handle disputes, change orders and project closeout.



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Construction Project Management

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Review the stages of a construction project and identify the key players

Learn about differing project delivery types

Discuss bidding, contracts, liens, bonds and insurance

Receive practical tips on project scheduling

Handle claims, disputes, change orders and labor issues

Continuing Education Credits

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Faculty

Mike Keating, PE, MBA has been in the construction industry for over 29 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 sector 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 science degree in Construction Management 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 and a certified general contractor (CGC) in the State of Florida, and he holds several other industry certifications including certified cost engineer (CCE), value management associate (VMA), certified professional estimator (CPE), and certified construction contract administrator (CCCA).

Webinar Information

Monday, November 23, 2020

11:00 am - 3:15 pm CST (including a 15-min. break)

(please log into the webinar 15 - 30 minutes before start time)

Tuition

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Additional Learning

Retaining Wall Design and Global Stability Analysis

- Mon., Nov. 2, 2020 | 9:00 am - 5:00 pm CST

Stormwater Basins and Underground Systems

- Thurs., Nov. 5, 2020 | 12:00 - 4:00 pm CST

- Fri., Nov. 6, 2020 | 12:00 - 3:30 pm CST

2018 International Existing Building Code: Overview and Requirements for all Compliance Methods

- Fri., Nov. 6, 2020 | 10:00 am - 2:30 pm CST

Subsea Pipeline Design

- Tues., Nov. 10, 2020 | 11:00 am - 3:15 pm CST

- Wed., Nov. 11, 2020 | 11:00 am - 3:15 pm CST

Construction Cost Estimating

- Wed., Nov. 11, 2020 | 7:30 am - 3:30 pm CDT

Shallow Foundation Design

- Wed., Nov. 11, 2020 | 11:00 am - 2:15 pm CST

- Thurs., Nov. 12, 2020 | 11:00 am - 2:15 pm CST

High-Performance Building Envelopes: Designing for Energy Efficiency and Durability

- Thurs., Nov. 12, 2020 | 11:00 am - 2:45 pm CST

- Fri., Nov. 13, 2020 | 11:00 am - 2:45 pm CST

Living with Wildlife

- Fri., Nov. 13, 2020 | 11:00 am - 2:30 pm CST

Wastewater Collection and Treatment System Design

- Mon., Nov. 16, 2020 | 8:30 am - 4:30 pm CST

Geothermal Heating and Cooling: Technology and Applications

- Tues., Nov. 17, 2020, 8:30 am - 4:30 pm CST

Introduction to Dam Safety, Inspection and Rehabilitation

- Tues., Nov. 17, 2020, 8:30 am - 5:00 pm CST

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