

# Agenda

Presented by Daniel R. Davenport

## 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  
Wood structures  
Masonry  
Roofing  
Finishes

Concrete structures  
Steel structures  
Floors  
Interiors

## Estimating Mechanical, Electrical and Plumbing

Plumbing  
Mechanical systems

Electrical systems

## Using Construction Estimating Software

Review of industry-standard software

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**Construction Cost Estimating**  
Live, Interactive Webinar - Wed., December 9, 2020

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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.
- Learn** the processes for estimating labor costs and equipment costs.
- Examine** specific construction costs for mechanical, electrical and plumbing.
- Examine** costs for earthwork and excavation.
- Explore** cost estimates for concrete, wood and steel structures.
- Examine** the process of estimating overhead costs and estimating profits.



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# Construction Cost Estimating

Live, Interactive Webinar - Wednesday, December 9, 2020



**Discuss** the production of design estimates, bid estimates and control estimates

**Review** construction estimating resources and processes

**Estimate** labor, construction equipment, overhead and profit

**Prepare** take-offs for earthwork, pavement, concrete, wood, steel, floors and roofing

**Explore** construction estimating software

## Continuing Education Credits

**Professional Engineers**  
6.5 PDHs

**Architects**  
6.5 CE Hours (Non-HSW)

**AIA**  
Pending - LU|Elective

**International Code Council**  
Pending



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# Faculty

**Daniel R. Davenport** has 40 years of experience in the construction of schools, hospitals, chemical plants, laboratories, manufacturing facilities, parking garages, warehouses and office buildings. He has experience in many phases of construction including estimating, design-build, scheduling, purchasing, project management, supervision, training, and productivity. Since 2009 when he took early retirement from McCarthy Building Companies in St. Louis, Missouri, Mr. Davenport has worked for a number of commercial builders as an independent contractor providing estimating and project management. He is currently closing out projects for the Lindbergh School District's 34 million dollar bond issue. This was his second time working for the school district as Capital Projects Supervisor. Mr. Davenport has worked for Turner Construction and Hercules Construction in St. Louis from 1979 to 1995. He completed an apprenticeship with the Carpenters' District Council of St. Louis in 1982 and worked in the trades until 1985. Mr. Davenport has bachelor degrees in Construction Management from Washington University (1984) and in Psychology from Maryville University in St. Louis (1974).

He has been a member of the American Society of Professional Estimators where he has served as a member of the National Board of Directors. Mr. Davenport served on the Education Committee, the Awards Committee, as well as the By-Laws Committee. He also participated in leadership positions at the local ASPE St. Louis Metro Chapter 19. Mr. Davenport achieved his CPE (Certified Professional Estimator) in 1995.

# Webinar Information

Log into Webinar 8:00 - 8:30 am CST	Break 11:55 am - 12:25 pm CST
Morning Session 8:30 - 11:55 am CST	Afternoon Session 12:25 - 3:50 pm CST

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# Additional Learning

## Complying with Fire Protection and Building Codes

- Thurs., Nov. 19, 2020 | 9:30 am - 5:30 pm CST

## Construction Fraud - From Detection to Prevention

- Fri., Nov. 20, 2020 | 9:00 am - 5:00 pm CST

## 2018 International Existing Building Code: Prescriptive and Performance Compliance Methods

- Fri., Nov. 20, 2020 | 10:00 am - 2:30 pm CST

## Introduction to HEC-HMS Modeling

- Mon., Nov. 23, 2020 | 8:30 am - 4:00 pm CST

## PFAS and Other Persistent Environmental Contaminants

- Mon., Nov. 23, 2020 | 8:30 am - 3:20 pm CST

## Construction Project Management

- Mon., Nov. 23, 2020 | 11:00 am - 3:15 pm CST

## Drone Applications for Utilities

- Mon., Nov. 23, 2020 | 10:00 am - 4:50 pm CST

## ALTA Standards, Public Land Survey Systems and Other Must-See-Matters

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

- Tues., December 1, 2020 | 11:00 am - 2:30 pm CST

## Designing for Accessibility under ADA Standards and IBC

- Wed., December 2, 2020 | 8:30 am - 4:30 pm CST

## National Electrical Code: Grounding and Bonding

- Wed., December 2, 2020 | 7:30 am - 4:00 pm CST

## 2018 International Existing Building Code: Work Area Compliance Method

- Fri., December 4, 2020 | 10:00 am - 2:30 pm CST

## Structural Forensic Engineering

- Fri., December 4, 2020 | 7:30 am - 3:30 pm CST

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## Continuing Education Credit Information

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Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

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# Registration

## Construction Cost Estimating

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