

Agenda

Effective Construction Cost Estimating from Start to Finish

J. Huck

- Different types of estimates
- Common errors and how to avoid them
- Site visits – what to look for
- Estimating checklists
- Estimating data resources and the good and bad of each
- Estimating overhead and profit
- Estimating general conditions
- Estimating phasing and accounting for proper material and labor contingencies/escalation
- Estimating labor costs on a job – all factors to look for
- Estimating equipment costs
- Square foot cost estimating and adjusting for current market conditions
- Reviewing other estimates for accuracy
- Composing your own cost estimates
- Estimating software
- New construction vs renovation factors to consider
- Estimating change orders
- How scheduling and estimating go hand in hand

Focus on Earthwork Analysis

R. Malik

- The components of a complete earth analysis
- Expansion and compression of soils
- The significance of topsoil
- Volumes affecting earthwork
- Calculation of earth spoils

Material Estimating

D. Frondorf

- Quantity takeoff basics – plan scale, symbol legends, and print reading basics
- Onscreen vs paper takeoff practices
- Waste factors – when and how much to apply
- Getting to know the project during the takeoff process; visualization

Risk Assessment Module

D. Frondorf

- Estimators as risk identifiers and mitigators
- How human nature impacts our work as estimators
- Soliciting, receiving, and reviewing subcontractor and vendor quotes

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Select Issues in

Construction Cost Estimating

Live, Interactive Webinar - Wed., November 18, 2020



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Learning Objectives

You'll be able to:

- Avoid** common estimating errors.
- Estimate** materials, labor, overhead and profit.
- Prepare** estimates for equipment costs and labor.
- Focus** on special issues involved in estimating earthwork.
- Prepare** quantity takeoffs and apply waste factors.
- Identify** and **mitigate** risk during the estimating process.



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- | | |
|---|--|
| Differentiate between types of estimates | Estimate earthwork |
| Identify common errors and learn to avoid them | Perform quantity takeoffs and apply waste factors |
| Estimate overhead, profit and general conditions | Review subcontractor and vendor quotes |

Continuing Education Credits

- | | |
|---|---|
| Professional Engineers
6.0 PDHs | AIA
6.0 LU Elective |
| Architects
6.0 CE Hours - not HSW | International Code Council
.6 CEUs (Administration) |



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Joshua Huck *Owner at Estimatica, Inc. in Woodstock, CT*
Mr. Huck began his estimating career in 1994 while in the US Air Force. Upon leaving in 2000, he worked for general contractors on large commercial projects in Hawaii, Texas, California and Massachusetts. In 2011 he opened up Estimatica, Inc. to serve the needs of design firms, subcontractors and developers providing pre-construction services such as estimating, scheduling and constructability reviews. Most of his firm’s projects involve parks and recreational areas for municipalities, office buildings, restaurants, high-end luxury homes, universities and specialty gaming. Mr. Huck employs two part time estimators and oversees multiple specialty sub-consultants. Estimatica, Inc. serves clients nationwide as well as Mexico and the Caribbean. In addition to cost estimating, he also teaches estimating courses nationwide to general contractors and design professionals. A native of Texas, he now resides with his wife and kids in Woodstock, Connecticut.

Rifka Malik, CPESC, CPE *Sitework Estimating Services, Inc., Suffern, NY*
Ms. Malik is the president of Sitework Estimating Services, Inc., and has spent the last 20+ years in the construction industry, specializing in sitework. She is a certified professional in erosion and sediment control (CPESC) and a certified professional estimator (CPE). Ms. Malik is an independent consulting estimator, a presenter of seminars and presentations to the AEC community. She has published construction related articles in relevant publications.

Daniel Frondorf, CPE, CDT *DG Frondorf and Associates LLC, Cincinnati*
Mr. Frondorf owns and operates Cincinnati based DG Frondorf and Associates LLC, a construction cost estimating consulting firm. He is a member of CERT, AACE, and ASPE, and he has 22 years of service as a construction estimator. Mr. Frondorf has presented several seminars on estimating practices and ethical bidding topics to trade associations and at industry events. Mr. Frondorf is also a past instructor of construction estimating at the University of Cincinnati and has guest lectured there and at Cincinnati State Technical and Community College. He has also written several articles on estimating related topics in *Estimating Today* and *Design Cost Data* magazines.

Webinar Information

Log into Webinar 9:00 - 9:30 am CST	Break 11:30 am - 12:00 pm CST
Morning Session 9:30 - 11:30 am CST	Afternoon Session 12:00 - 4:15 pm CST

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Additional Learning

International Building Code 2018
- Mon., October 26, 2020 | 9:00 am - 5:30 pm CDT

Passive House: Planning and Design
- Tues., October 27, 2020 | 8:30 am - 4:30 pm CDT

Introduction to the International Green Construction Code (IgCC)
- Wed., October 28, 2020 | 11:00 am - 2:15 pm CDT
- Thurs., October 29, 2020 | 11:00 am - 2:15 pm CDT

Special Inspections under the 2018 International Building Code Chapter 17
- Thurs., October 29, 2020 | 9:30 am - 4:20 pm CDT

Soils in Construction: An Interactive Workshop
- Thurs, October 29, 2020 | 8:30 am - 5:00 pm CDT

2018 International Existing Building Code: Overview and Requirements for all Compliance Methods
- Fri., November 6, 2020 | 10:00 am – 2:30 pm CST

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Continuing Education Credit Information

This webinar offers 6.0 PDHs to professional engineers licensed in all states and 6.0 continuing education hours to architects licensed in states that accept non-HSW coursework.

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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

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