



Estimating Sitework Construction

Earth Moving – Underground Utility – Roadwork

Class size limited.

Register Now!

Tuition: AGC Member \$995

Non Member \$1295

Includes Tuition, Books & Materials.

"I now feel confident doing takeoffs in all aspects of sitework. I feel I am much more prepared to be an estimator today than I was prior to attending this course."

—Matt Bluth
Markham Contracting

"After attending several seminars on construction, this course taught me more than any other because of the small class size and the instructor's confidence and knowledge. The instructor taught us that shooting from the hip is like having your address on Low Bid Lane"

—Eric Paul-Hus
Hypower Inc.

SYNOPSIS

DAY 1: ESTIMATING EARTHWORK

- Pre-bid investigation
- Plans and specifications
- Site visit and soil borings
- Pre-estimate checklists
- Area and perimeter calculations
- Cut/fill calculations: average end area method
- Soils shrink and swell
- Soils classifications
- Matching equipment to soil type
- Excavation production
- Bulk excavation exercise
- Crew analysis
- Trucking optimization
- Bidding and mark-up discussion
- Equipment costing
- Earthwork "Rules of Thumb"

DAY 2: ESTIMATING UNDERGROUND UTILITIES

- Estimating forms and formats
- Trench volume calculations
- Trenching productivity
- Pipe laying productivity
- Materials costing
- Equipment selection procedures
- Clearing and demolition
- Dewatering methods
- Safety requirements
- Complete the estimate
- Sanitary sewer exercise

DAY 3: ESTIMATING ROADWORK & PAVING

- Estimate slopes/shoulders
- Curb and gutter calculations
- Estimate and quantify asphalt paving
- Estimate and quantify concrete paving
- Estimate hauling costs
- Crew assemblies
- Estimate compaction

REGISTER ONLINE AT WWW.AGCSD.ORG / call 858-558-7444 ext. 101



Estimating Earthwork Construction

Class size limited.

Register Now!

Tuition: AGC Member \$395
Non-Member \$495
Includes Tuition, Books & Materials.

SYNOPSIS

One Day Class

- Pre-bid investigation
- Plans and specifications
- Site visit and soil borings
- Pre-estimate checklists
- Area and perimeter calculations
- Cut/fill calculations:
 - average end area method
- Soils shrink and swell
- Soil classifications
- Matching equipment to soil type
- Excavation production
- Bulk excavation exercise
- Crew analysis
- Trucking optimization
- Bidding and mark-up discussion
- Equipment costing
- Earthwork "Rules of Thumb"
-

"This course taught me about cost items that I wasn't taking into consideration in my bids. We learned how to properly plan productivity, forming the best crew, and new measuring shortcuts. Using the tools that I learned here, I'll be making my company more competitive."

—Josh Clossey
Clossey Excavating, Inc.

"The instructor was a wealth of knowledge—both from the field and office end of the industry."

—Phil Sabatino
J. A. Neary Excavating



REGISTER ONLINE AT WWW.AGCSD.ORG / call 858-558-7444 ext. 101



Estimating Underground Utilities

Class size limited.

Register Now!

Tuition: AGC Member \$395

Non Member \$495

Includes Tuition, Books & Materials.

"The instructor's passion and course content kept me interested and anxious to return each day. I would encourage all persons interested in sitework construction estimating to experience this course."

—Don Swasing
Schlouch Inc.

"I think everyone at every level of estimating should take this course."

—Robert Astephen
Prime Time Construction

"This course exceeded my expectations!"

—James Cotton
Cook Concrete
Excavation & Utilities

SYNOPSIS

One Day Class

- Trench volume calculations
- Trenching productivity
- Pipe laying productivity
- Pipe trench assemblies
- Materials costing
- Pre-bid investigation
- Performing pre-estimate checklists
- Analyze sites and soil borings
- Swell and shrink
- Material weights and swell factors
- Daily production estimates
- Calculate productivity
- Allow for time at structure locations
- Adjust productivity for subsurface interference
- Apply crew cost to estimated productivity
- Equipment selection procedures
- De-watering methods
- Safety requirements
- Sanitary sewer exercise
- Clearing and demolition
- Estimating ground water control
- Format of the estimate
- Complete the bidding package
- OSHA trenching excavation standards



REGISTER ONLINE AT WWW.AGCSD.ORG / call 858-558-7444 ext. 101



Estimating Roadwork and Paving

Class size limited.

Register Now!

Tuition: AGC Member \$395

Non Member \$495

Includes Tuition, Books & Materials.

SCHEDULE

Oct. 18, 2018 Jan. 31, 2019



LOCATION

AGC San Diego Chapter

6212 Ferris Square,

San Diego, CA 92121

858-558-7444

www.agcsd.org

SYNOPSIS

- Estimate slopes/shoulders
- Curb and gutter calculations
- Estimate asphalt paving
- Estimate concrete paving
- Establish crew costs
- Estimate hauling costs
- Estimate from typical details
- Calculate compaction production

WHO SHOULD TAKE THIS COURSE

- Road & Highway Contractors
- Asphalt & Concrete Pavers
- Commercial Contractors
- Developers
- DOT Employees

WHAT YOU WILL LEARN

This program teaches the primary aspects of estimating roadwork and paving construction. It provides the estimator with the skills necessary to assemble a detailed and accurate estimate of this scope of work. Practical experience is gained throughout the course using hands-on exercises and problem-solving challenges.

UPON COMPLETION, STUDENTS WILL BE ABLE TO

- Implement a structured system for determining job costs by accurately assessing equipment, labor, material and other service costs involved in the completion of roadwork projects.
- Determine cut and fill quantities in road-way excavations, working from cross sections and profiles.
- Increase work efficiency and control of the project.
- Accurately calculate and apply equipment production rates to the estimate.
- Confidently estimate all major aspects of paving construction, including: asphalt and concrete materials, subgrade preparation, curb and gutter.

"We have sent several of our estimators and the results have been fantastic. They are more organized and we see better bidding results!"

—Paul Pate

Pate Asphalt Systems

REGISTER ONLINE AT WWW.AGCSD.ORG / call 858-558-7444 ext. 101