

# Understanding the Construction Process: From Inception to Completion

## *Build a Strong Foundation for Your Team*

October 4, 18, November 1, 15, 29, December 13, 2018, January 10 & 24, 2019

at ABC's Keystone Center for Construction Careers

8:00 am – 11:00 am each session;

December 13 2nd session to be held 12 noon – 3:00 pm



Training held in partnership with  
ABC Keystone & AIA Pennsylvania



*Develop an understanding and knowledge of the “big picture” of the entire construction process!*

### **Topics to be Covered:**

*Register for the entire series or individual sessions. Share sessions with a co-worker!*

1. October 4, 2018 -----The Construction Process
2. October 18, 2018 -----Project Development & Environmental Decisions
3. November 1, 2018--- Construction Design Documents & Technical Specifications
4. November 15, 2018 ----- Preconstruction & Estimating
5. November 29, 2018 ----- Virtual Design & Construction Technology
6. December 13, 2018\* ----- Construction Risk Management
7. December 13, 2018\* ----- Construction Agreements & Payments
8. January 10, 2019 ----- Project Planning & Execution
9. January 24, 2019 ----- Project Compliance & Outside Organizations

*\*Double session; lunch included*

**Register  
for the  
entire  
series at a  
discount  
or opt in  
to  
individual  
sessions!**

### **Seminar Description:**

Construction is a complicated process from starting with the decision to develop the site down through the final closeout on a building. It typically includes complex tasks that change dramatically from project to project and requires knowledge of the construction process.

This nine-session premier course is taught by leading industry professionals, and it is a “must experience” for administrators, estimators, project engineers, support staff, accountants and attorneys.

**Sign up for the entire series at a discount or “opt in” to individual sessions.**

### **Benefits of Attending:**

- Understand the make-up of the construction industry and network of key players involved from inception to completion of a project.
- Learn what important documents are involved in the process and what role they play.
- Understand how construction and design are governed by building regulations and codes.
- Learn the various ways a project can be completed and their advantages and disadvantages.
- Gain insight into how local government plays a role in zoning and permitting of construction projects.
- Learn the key decision factors and whether to move forward and develop a project.

**>>> See session descriptions on page 2**

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### **Who Should Attend:**

Administrators, estimators, project engineers, support staff, accountants, attorneys, project managers, project assistants, those new to construction, career constructors interested in learning new information and those interested in a better understanding of the big picture of the construction process will benefit from this series.

Everyone in your company who needs to understand the construction process to support the success of the project should attend!

### **Session Descriptions:**

**1) Construction Industry Overview:  
“Understanding the Construction Process –  
From Inception to Completion”**  
(October 4, 2018)

#### **Topics Covered:**

- Construction Industry Overview
- Construction Documents
- Key Players
- Construction Media
- Building Regulations & Inspections
- Project Delivery Methods
- Project Case Studies/Examples

**Instructors:** Bob Liberato, Pre-Construction Manager, Wohlsen Construction Company, and Dan Millard, P.E., Level II Estimator, Wohlsen Construction Company

**2) Project Development &  
Environmental Decisions**  
(October 18, 2018)

**Topics Covered** (two-part session: Development & Environmental Decisions):

- Developing
- Soft Costs
- Funding Sources
- Return on Investment
- Marketing
- Zoning and Permitting
  
- Environmental Issues
- Storm Water Pollution Prevention

**Instructors:** Chris Venarchick & Mark Hackenburg, RGS Associates, Inc. (Development); Guy Sheets, AMO Environmental Decisions (Environmental Decisions); Meghan Rogalus, Bucks County Conservation District (Environmental Decisions).

**Share sessions with a co-worker!**

**>>> More sessions on page 3**

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### 3) Construction Design Documents & Technical Specifications

(November 1, 2018)

#### Topics Covered:

- Design Disciplines
- CSI Masterformat 2004
- Plan Review
- Specification Breakdown and Review
- Tour of ABC Facility

**Instructors:** Mark Broomell, Providence Engineering Corp. and Dan Fichtner P.E., Providence Engineering Corp

### 4) Preconstruction & Estimating

(November 15, 2018)

#### Topics Covered:

- Bid Process
- Bid Ethics
- Estimate Levels
- Quantity Take-Off and Cost Estimating
- Estimating Technology
- Mock Bid

**Instructor:** Daniel Dennis, CPE, EGS Construction and Shawn Buckwalter, CPE, EGS Construction

### 5) Virtual Design & Construction Technology

(November 29, 2018)

#### Topics Covered:

- Drones in Construction
- Laser Scanning
- Model Creation
- BIM Coordination and Clash Detection
- Virtual Reality
- Facility Management
- Field Management Software

**Instructor:** Mike Hopple, Providence Engineering Corp., Karen Neff, VDS, and Ed McCauley, Wohlsen Construction Company

### 6) Construction Risk Management

(December 13, 2018)

#### Topics Covered:

- The Miller Act
- Payment and Performance Bonding
- Builders Risk Insurance
- General Liability Insurance
- Subcontractor Default Insurance

**Instructor:** Ron Pollock, Saxton & Stump, LLC

### 7) Construction Agreements & Payments

(December 13, 2018)

#### Topics Covered:

- Contracts
- Subcontracts
- Purchase Order
- Change Order
- Schedule of Values
- Applications for Payment/Retainage
- Lien Waivers/Stipulation Against Liens
- Construction Common Legal Issues

**Instructor:** Maria Elliott, Barley Snyder

### 8) Project Planning & Execution

(January 10, 2019)

#### Topics Covered:

- Schedule
- Logistics Plan
- Job Costing and Cost Forecasting
- Productivity Tracking
- RFI's
- Submittals
- Filed Reporting
- Job Meetings

**Instructor:** Ralph Kautz, Wohlsen Construction Company

**>>> More sessions on page 4**

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### 9) Project Compliance & Outside Organizations

(January 24, 2019)

#### Topics Covered:

- OSHA and Basic Safety  
Kelly Kramer, Rettew Associated, Inc.
- Department of Labor and Industry  
Thomas R. Davies, Harmon & Davies, P.C.
- Federal/State Projects  
Thomas R. Davies, Harmon & Davies, P.C.

**Share sessions with  
a co-worker!**

**Instructors:** Kelly Kramer, Rettew Associates, Inc., and  
Thomas R. Davies, Harmon & Davies, P.C

**All Sessions can be customized  
for your company!**

Contact [joann@abckeystone.org](mailto:joann@abckeystone.org) for info.

**“Offered an overview of all the facets of the construction process by people experienced in the field giving me a better understanding of the entire process! I am happy with my experience in this seminar.”**

- Angela Temple, James Craft & Son, Inc.

**“Great! I am a new project assistant that moved from accounts payable, so for me it was very informative and a great introduction to the entire process”**

- Crystal Everly, Wohlsen Construction Company

**“This is a great course for those who service the construction industry and those who are new to the industry”**

- Tim Ziegler, McConkey Insurance & Benefits

**>>> Registration information  
on page 5**

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### **Registration Information:**

Register for the entire series for discounted pricing!

Preferred registration dates: September 27, 2018, for the entire series; by 5 pm seven days prior to course date for individual sessions

**\*ABC Member – Entire Series: \$500 – Save BIG (save \$391!) by registering for the entire series!**

**\*ABC Member – Entire Series; Each Add'l Same Firm: \$470**

**Non-member – Entire Series: \$714**

**\*ABC Member – Per Session: \$99**

**Non-member – Per Session: \$140**

*Price includes course materials, continental breakfast and certificate of completion.*

Firm Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Authorized By/Job Title: \_\_\_\_\_ Email: \_\_\_\_\_

Participant Name: \_\_\_\_\_ email: \_\_\_\_\_

Title: \_\_\_\_\_ AIA or ABC Member (please circle one) **AIA** **ABC**

Full Series

Individual Session(s) (circle session #) 1 2 3 4 5 6 7 8 9

Participant Name: \_\_\_\_\_ email: \_\_\_\_\_

Title: \_\_\_\_\_ AIA or ABC Member (please circle one) **AIA** **ABC**

Full Series

Individual Session(s) (circle session #) 1 2 3 4 5 6 7 8 9

TOTAL PARTICIPANTS: \_\_\_\_\_ TOTAL COST: \_\_\_\_\_  Check enclosed  Invoice  C.O.R.E. – Invoice balance

VISA / AMEX / MC Card #: \_\_\_\_\_ Print Name: \_\_\_\_\_

3/4 digit code: \_\_\_\_\_ Exp. Date: \_\_\_\_\_ Billing Address Zip Code: \_\_\_\_\_ EIN: 23-1618254

Call Jo Ann at 717.653.8106 / FX: 717.653.6431 / Email: [joann@abckeystone.org](mailto:joann@abckeystone.org) / Register at [www.abckeystone.org](http://www.abckeystone.org)  
Education expenses may be deductible by members as an ordinary and necessary business expense. Consult your accountant for more information.