

# Agenda

Presented by Dr. John V. Dawson, AIA, AICP, LEED AP

**Overview of Project Delivery Systems, Phases and Documentation**

- Project delivery systems  
Managing the design effort  
Project impacts
- Project phases  
Project documentation

**Overview of Contracting and Bidding**

- Basic contract principles  
Bid document review  
Dispute resolution
- Contract formation  
Key contract provisions

**Estimating Principles**

- Mechanics of estimating  
Design phase estimates  
The estimating role in the development of bid documents  
Using estimating to control costs  
Risk assessment and its role in developing project contingency

**Scheduling – Start to Finish**

- Preconstruction scheduling  
Schedule monitoring and updating
- Baseline schedule preparation  
Evaluating project impacts

**Construction Phase**

- Managing equipment and materials  
Managing labor and safety  
Change orders and constructive changes  
Handling delays and disputes  
Schedule of values, pay applications

**Project Closeout and Turnover**

- System testing and commissioning  
Final inspection  
Guarantees and warranties  
Turnover of drawings, technical information and user manuals

**Handling Ethical Issues in Construction Management**

- Health and safety concerns  
Quality control and assurance  
Bidding, billing, payment and claims issues

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## Managing Heavy Civil Construction Projects

Live, Interactive Webinar - Tuesday, June 11, 2024

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HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



## Learning Objectives

**You'll be able to:**

- Explore** project delivery systems, project phases and key documents.
- Discuss** contract principles and review standard contract provisions.
- Get tips on** obtaining and reviewing estimates for heavy civil projects.
- Discuss** preconstruction scheduling and baseline schedule preparation.
- Get tips on** managing equipment, labor and safety concerns during construction.
- Examine** project closeout procedures, including testing, commissioning and inspection.



HalfMoon Education Inc.,  
Your LIVE Education Leader Presents

# Managing Heavy Civil Construction Projects

Live, Interactive Webinar - Tuesday, June 11, 2024



- Explore** project delivery systems, phases and documentation
- Learn** about contract provisions and dispute resolution
- Study** the role of estimating in the development of bid documents

- Discuss** scheduling from start to finish
- Examine** management of equipment, materials, labor and safety concerns
- Get** tips on handling ethical issues in construction management

**Continuing Education Credits**

- Professional Engineers\***  
7.0 PDHs,  
Including 1.0 Ethics Hour
- Architects\***  
7.0 CE Hours (Non-HSW)  
7.0 AIA LU | Elective

- International Code Council**  
.7 CEUs (Administration)

\*no credits for NY architects or engineers



# Webinar Information

<b>Online - Tuesday, June 11, 2024</b>	
<b>Log into Webinar</b>	<b>Break</b>
8:30 - 9:00 am CDT	12:30 - 1:00 pm CDT
<b>Morning Session</b>	<b>Afternoon Session</b>
9:00 am - 12:30 pm CDT	1:00 - 5:00 pm CDT

**Tuition**  
**\$339** for individual registration.  
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# Faculty

**Dr. John V. Dawson, PhD, AIA, AICP, LEED AP**  
Dr. Dawson is a subject matter expert on planning, programming, design, construction and contract management related to large public and private organizations and institutions nationwide. He recently retired as the associate vice president for administrative operations at Texas A&M University-Corpus Christi where he oversaw facility operations, maintenance, grounds, custodial, and planning and construction as well as environmental health and safety (EHS) for the “Island” campus. His experience spans federal, state, county and local municipality projects including the Federal Aviation Administration (FAA), General Services Administration (GSA), Department of Justice (DOJ), and Immigration and Customs Enforcement (ICE). He has worked on projects for the Department of Defense (DoD) including the Naval Construction Battalion at Gulfport and Port Hueneme; Seabees, the Navy Civil Engineer Corp, the Army Corps of Engineers, the Air Force Civil Engineers and RED HORSE units. He has also worked in higher education with the Texas A&M University System (TAMUS) the University of North Texas System (UNTS) and the Tarrant County College District (TCCD). Dr. Dawson has more than 38 years of experience in urban planning, developmental programming, building and infrastructure design, and construction and program management for a wide variety of capital investment programs and unique environments. He is a retired Air Force Civil Engineering officer with experience in the design and construction of numerous facilities supporting major weapon systems and the U.S. electronic security and space programs worldwide. Dr. Dawson is a registered architect in the State of Texas and a certified city planner. He is also a U. S. Green Building Institute Leadership in Energy and Environmental Design (LEED) Accredited Professional (AP) with experience in numerous sustainable projects. He has specialized mediation and dispute resolution training and experience directly related to the design and construction industry, successfully resolving construction claims based on errors and omissions, defective products or workmanships, scheduling deviations or Acts-of-God. Additional skills include the preparation of specifications, bidding and construction plans, cost estimates, and bidding services related to federal and state contract requirements and processes.

# Additional Learning

- Determining Means of Egress Compliance Using the 2021 IBC**  
- Monday, May 20, 2024 | 8:30 am - 4:00 pm CDT
- Hydronic and Radiant Heating Systems for Residential and Light Commercial Buildings**  
- Tuesday, May 21, 2024 | 9:00 am - 4:00 pm CDT
- Developments in Fenestration**  
- Wednesday, May 22, 2024 | 9:00 am - 12:20 pm CDT
- Seismic Design and Construction**  
- Thursday, May 23, 2024 | 8:30 am - 5:00 pm CDT
- Understanding Subsidence Caused by Groundwater Withdrawal**  
- Wednesday, May 29, 2024 | 12:00 - 2:00 pm CDT
- Deep Dive into Concrete and Rigid Pavements for Streets, Roads and Parking Areas**  
- Thursday, May 30, 2024 | 2:00 - 4:00 pm CDT

# Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs, including 1.0 ethics hour, for professional engineers and 7.0 continuing education hours for licensed architects in all states that non-HSW coursework. This course is not approved in New York; please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130).

The American Institute of Architects Continuing Education System has approved this course for 7.0 Elective LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Administration (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

**On-Demand Credits**  
The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:  
7.0 Elective LUs (AIA)

**Mississippi River Conference: Environmental, Management and Planning Considerations**  
- Thursday, May 30, 2024 | 9:00 am - 4:00 pm CDT

**Using Drones in Construction**  
- Thursday, May 30, 2024 | 8:30 am - 4:00 pm CDT

**Advanced HEC-RAS Modeling**  
- Friday, May 31, 2024 | 8:30 am - 5:30 pm CDT

**Interior Acoustical Design and Construction**  
- Friday, May 31, 2024 | 8:30 am - 4:30 pm CDT

**Preventing and Addressing Construction Defects and Failures**  
- Friday, May 31, 2024 | 8:30 am - 5:00 pm CDT

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