

PDH WEBINAR SELF-STUDY PROGRAM CDS

ACEC New York has the following webinar archives in our course library. Each self-study package contains: a CD that contains an audio/video file from the webinar, the PowerPoint handout (printed and electronic versions), and a 10-question quiz. Please see page 3 for pricing and order/payment form. Each course includes administration of one quiz. If other licensees at your same location would like to utilize the course for PDH credits, you may pre-purchase additional tests in advance or by completion of an "additional tests payment form" that will be included with each package. For each successfully completed course determined by a score of 70% or greater on the quiz, a certificate of completion will be sent by e-mail to the licensee. If you participated in the LIVE webinar, you will not be able to earn credits for the self-study course. New York Professional Engineers may earn 18 self-study credits during each 3-year registration period.

Available Self-Study Courses

2.0 PDH Credits (120 minute courses)

Green Building Sustainable Design: Review an introduction to Green Building concepts, and become more informed on USGBC/LEED involvement. What is "Green Building"?
Course #371ss

Transportation Structures Exposed: This presentation covers all types of transportation structures dealing with efficiency, performance and historical use.
Course #389ss

Mold 101: Explore the introduction into the world of mold. What is mold? Which species of mold are considered "toxic"?
Course #391ss

Hydronic System Basics+ : Review the basics to the hydronic design process. Become more comfortable making decisions concerning pump choice based on the dynamics of systems such as condenser, hot and chill water distribution.
Course #406ss

Building information modeling, Changing the Way we think About Project Roles and Responsibilities: This program describes BIM and how it functions. It will discuss its pros and cons in terms of how it affects project roles and responsibilities, how it changes the review process, and legal, licensing or practice implications and restrictions with regard to BIM.
Course #430ss

Energy Recovery-Commercial and Institutional Comfort Applications: This presentation provides fundamental understanding of Energy Recovery applications. Attendees will be more confident with designs utilizing Energy Recovery.
Course #501ss

Green Building in New York State: This presentation defines green buildings and LEED, the US Green Building Council's rating system. The talk describes the market for green buildings, explain how engineers can prepare themselves to provide services to this market and discuss technical and financial assistance available from NYSERDA.
Course #509ss

Ventilation in High Risk Buildings: This presentation provides an understanding of ASHRAE Standard 62 and NYC ventilation requirements for toilet and kitchen exhaust, NYSERDA incentives available when updating existing ventilation systems and a variety of methods for supplying make up air. The presentation also includes information on the pressure differences in high rise buildings as a result of Stack Effect and the new technology available for sealing exhaust riser leakage.
Course #649ss

Primary/Secondary/Tertiary Pumping Systems: The theory and applications of the "Law of Tee" to primary/secondary/tertiary pumping systems will be demonstrated. In addition, this theory and application will be expanded to demonstrate multi temperature pumping loops, pumping energy savings and how constant volume and variable volume pumping system can co-exist in primary/secondary/tertiary pumping systems.
Course #531ss

IBC 2006 Fire and Life Safety: The International Building Code (IBC) is the foundation for New York State Building Code as well as many other jurisdictions in the United States. This seminar focuses on Life and Fire Safety fundamentals of facility design, with emphasis on IBC Chapters 1 thru 11. The presentation covers IBC definitions such as Building Area and Fire Area, and review requirements for developing a building code analysis.
Course #887ss

More Courses Next Page

Available Self-Study Courses (continued)**1.5 PDH Credits (90 minute courses)****Low Impact Development - Site Stabilization Tool**

Box: The tools and techniques associated with LID (Low Impact Development) can help developers produce site plans that can hold storm water runoff at historic levels. This course outlines techniques that can reduce construction and municipal maintenance costs while increasing property values and compares and contrasts traditional practices with innovative methods that represent the future of land management and development. *Course #761ss*

Advances in Tunneling Technologies in the US

and the World: The presentation covers subjects such as state-of-the-art in rock tunneling, soft ground tunneling, mechanized excavation, tunnel boring machines and New Austrian Tunneling method will be discussed. The presentation also covers environmental and logistical issues associated with tunnel construction such as impact on groundwater regimes, impact on contaminated ground and groundwater, and muck disposal. Examples from projects in New York, US, and around the world will be presented. *Course #949ss*

Ethics for Design Professionals: Participants will learn: definitions of ethics, fundamental canons of professional Codes of Ethics, discuss case studies, and understand how companies apply ethics to sound business practices. *Course #889ss*

Geotechnical Instrumentation for Urban

Underground: The intent of this course is to provide an overview of the applications and benefits of geotechnical instrumentation in underground civil engineering projects. Special emphasis will be given to the instrumentation used in an urban environment. A discussion of recent technologies advancements and example projects will be included. *Course #901ss*

Rebuilding America's Roadways: America's roadway system has developed rapidly over the past two hundred plus years, and the demands we place on these systems continue to intensify. This workshop will examine new and emerging technology relative to highway construction, drainage and storm water management. *Course #1054ss*

Overview of Geothermal Systems – Ground Couple Side of Things:

An introduction that will provide a general overview of the principle types of geothermal ground couples, key design principles (the pros and cons of each) and an explanation the differences between "Geothermal" and "GeoExchange". *Course #867ss*

1.0 PDH Credits (60 minute courses)

Bridge Inspection Practices: This training presents the history of bridge inspections, failures, development of federal codes and regulations, bridge inspection nomenclature, example bridge inspections, access equipment, reports, qualifications of team, recent legislation. *Course #675ss*

Engineering Future Highway / Bridge Revenue:

The gas tax was originally designed as a user fee. However, in today's day and age, the gas tax as we know it is not sustainable. This presentation will discuss the Vehicle Miles Driven Fee concept and review the differences in two approaches being looked at: 1) the Oregon VMT and 2) the Kasphe Area in Europe. *Course #687ss*

Construction Vibrations: Overview of vibration basics, ground motion, peak particle velocity, and the significance of frequency. It includes a review of the NYSDOT requirements, portable seismograph equipment and the key elements of vibration monitoring specifications. *Course #863ss*

Geothermal Heat Pump Systems – Design

Considerations: To provide engineers with an education about geothermal heat pump systems. The course will provide an overview of system and design considerations.

Course #909ss

BIM for Bosses: BIM for Bosses is designed to explain the end goal of using BIM in your firm, the processes needed for a seamless implementation, and the hard facts in getting there. As importantly, “bosses” will be given a realistic view of what to expect, and what not to expect, once BIM is up and running.

Course #1055ss

Applying Suspension Bridge Suspender Rope- Replacement Techniques to the Suspenders of a Through Arch Bridge:

Discusses the structural lifting system used to replace all 168 suspenders of the Northway Arch Bridges and the contractor’s alternative method for the replacement of the suspenders.

Course #1085ss

Hospital Operating Room Air Distribution

Systems: This program covers the various methods that have been used in the past and present to ventilate OR’s to help reduce the instances of SSI’s and the review of actual hospital OR installations and Cleanroom design guidelines.

Course #1131ss

ORDER FORM FOR SELF-STUDY PROGRAM CDS

PRICING: 2.0 PDH Courses:

ACEC New York Members: \$95.00 includes 1 test (\$25 for additional tests)

Non-Members: \$145.00 includes 1 test (\$70 for additional tests)

1.5 PDH Courses:

ACEC New York Members: \$85.00 includes 1 test (\$25 for additional tests)

Non-Members: \$125.00 includes 1 test (\$70 for additional tests)

1.0 PDH Courses:

ACEC New York Members: \$75.00 includes 1 test (\$25 for additional tests)

Non-Members: \$100.00 includes 1 test (\$70 for additional tests)

2.0 PDH Courses (indicate selections)	# of Addt'l Tests
Green Building Sustainable Design	
Transportation Structures Exposed	
Mold 101	
Hydronic System Basics +	
BIM: Changing the Way We Think About Project Roles and Responsibilities	
Energy Recovery – Commercial and Institutional Comfort Applications	
Green Building in New York State	
Ventilation in High Rise Buildings	
Primary/Secondary/Tertiary Pumping Systems	
IBC 2006 Fire and Life Safety	
Standby Power Systems	

1.5 PDH Courses (indicate selections)	# of Addt'l Tests
Low Impact Development – Site Stabilization Tool Box	
Advances in Tunneling Technologies in the US and the World	
Ethics for Design Professionals	
Geotechnical Instrumentation for Urban Underground	
Rebuilding America's Roadways	
Geothermal Systems – Ground Couple	

1.0 PDH Courses (indicate selections)	# of Addt'l Tests
Bridge Inspection Practices	
Engineering Future Highway / Bridge Revenue	
Construction Vibrations	
Geothermal Heat Pump Systems – Design Considerations	
BIM for Bosses	
Suspension Bridge Suspender Rope Replacement Techniques	
Hospital OR Air Distribution Systems	

ORDER TOTALS

_____ Total # of 2.0 PDH Courses
 x \$95.00 (member) = _____
 x \$145.00 (non-member) = _____
 _____ Total # of 1.5 PDH Courses
 x \$85.00 (member) = _____
 x \$125.00 (non-member) = _____
 _____ Total # of 1.0 PDH Courses
 x \$75.00 (member) = _____
 x \$100.00 (non-member) = _____
 _____ Total # Additional Tests, if any
 x \$25.00 (member) = _____
 x \$70.00 (non-member) = _____
Shipping & Handling = \$ 10.00
 Optional: RUSH Processing (\$15) = _____
TOTAL Enclosed/Authorized = _____

PAYMENT METHOD:

VISA/MC/AMEX for \$ _____
 Card # _____ Exp ____/____
 Name on Card _____
 Authorized Signature _____
 _____ Check Enclosed payable to *Contract Solutions Group*

Please allow 2 weeks from receipt of payment for order processing and shipping.

For optional **RUSH** processing, please add \$15.00 above and your order will be shipped within 3 business days of receipt of payment

SHIP TO:

Firm Name: _____ Purchaser's Name: _____
 Title: _____ Phone: (____) _____
 Email: _____
 Mailing Address: _____
 City _____ State _____ Zip _____

Need more Info? Contact Ingrid or Christa by email clientservices@contractsolutionsgroup.com or by Phone (206) 463-7487

Forward completed form via Email, FAX or MAIL to: Fax: (206) 463-7488

Contract Solutions Group PO Box 775 Vashon Island, WA 98070