

Agenda

*Presented by Todd Lohman, P.E.,
Kyle Keppner, P.E. and Kyle Pawlak, P.E.*

Planning for Structured Parking

How many spaces are needed
Shared parking concepts Site selection

Functional Design

Introduction Types of parking structures
The level of service approach
Parking geometrics Circulation systems

Building Codes

Life safety issues Means of egress
Guards and vehicle barriers

Accessible Parking Design

Introduction to ADA Parking design under ADA
Other considerations

Passive Security, Lighting and Other Design Elements

Open Q&A and Case Studies/Examples

Structural Systems

Cast-in-place, post-tensioned
Precast, prestressed Structural design overview

Designing for Durability

Concrete admixtures Expansion joint systems
Joint sealants Traffic coatings
Life cycle cost

Maintenance, Restoration, and Repair

The deterioration curve
Benefits and challenges for various types of parking structures
Condition assessments
Establishing a restoration program
Repair documents
Routine repair and maintenance
Proactive repair and maintenance
Structural repairs

Design for Adaptive Use

What is adaptive use
Adaptive reuse concepts and basic costs

Open Q&A and Case Studies/Examples

Parking Structure Design, Construction and Maintenance

Nashville, TN - Thursday, December 13, 2018



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

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

Learning Objectives

You'll be able to:

Determine numbers of required parking spaces and consider shared parking concepts.

Explore types of parking structures, parking geometrics and circulation systems.

Review building code requirements for egress, and discuss accessible parking design.

Discuss cast-in-place, post-tensioned and precast structural parking systems.

Get tips on maintaining, restoring and repairing parking structures.

Design parking structures for adaptive reuse.



Parking Structure Design, Construction and Maintenance

Nashville, TN - Thursday, December 13, 2018



Discuss site selection and determine numbers of required parking spaces

Explore parking geometrics and circulation systems

Comply with life-safety provisions of building codes

Consider accessibility and security

Discuss structural systems, including cast-in-place, post-tensioned, precast and prestressed

Get tips on designing for durability, and for instituting maintenance and repair programs

Continuing Education Credits

Professional Engineers

6.5 HSW PDHs

Contractors

Non-Credit Continuing Ed.

Architects

6.5 HSW PDHs

6.5 AIA HSW Learning Units



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



Faculty

Todd Lohman, P.E. *Vice President for Walker Consultants*

In addition to being the vice president for Walker Consultants, Mr. Lohman also leads their Indianapolis office. Mr. Lohman has 20 years of experience in parking planning, design, and restoration. His planning projects have included supply and demand studies, shared parking analysis, alternatives analysis, and financial studies. He has also been involved in the design and restoration of hundreds of parking garages for a wide variety of clients.

Kyle Keppner, P.E. *Project Manager in the Indianapolis office of Walker Consultants*

Mr. Keppner has developed expertise in large complex garage projects. As a licensed professional engineer at Walker, he has been responsible for the design of over 10,000 spaces of mixed-use, healthcare, airport, and university parking. He recently was the lead engineer and project manager for the new terminal area garage at the Nashville Airport.

Kyle Pawlak, P.E. *Restoration Consultant in the Indianapolis office of Walker Consultants*

Mr. Pawlak is responsible for the assessment and restoration of existing structures across several markets including private, university, airport, and healthcare. He has experience in the restoration of both precast and post-tensioned concrete parking structures as well as building envelopes, including building façades and roofing.

Seminar Information

Scarritt-Bennett Center
1008 19th Avenue South
Nashville, TN 37212
(615) 340-7500

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 12:00 pm
Lunch (on your own)
12:00 - 1:00 pm
Afternoon Session
1:00 - 4:30 pm

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Included with your registration:
Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 HSW PDHs/continuing education hours to engineers and architects in all states, except Florida architects. Educators and courses are not subject to preapproval in Tennessee.

This seminar is approved by the American Institute of Architects for 6.5 Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects.

This seminar offers a non-credit continuing education opportunity to construction contractors. HalfMoon Education is not seeking contractor continuing education approval in any state.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

Geothermal Heating and Cooling

- **Thermodynamic Basics of Geothermal Systems**
Thurs., Nov. 1, 2018, 11:00 AM - 12:00 PM CDT
- **Understanding Earth Loop Systems**
Thurs., Nov. 1, 2018, 12:30 - 2:00 PM CDT
- **Choosing and Designing Geothermal Systems**
Fri., Nov. 2, 2018, 11:00 AM - 12:00 PM CDT
- **Evaluating and Maintaining Geothermal Systems**
Fri., Nov. 2, 2018, 12:30 - 2:30 PM CDT

Cogeneration System Principles and Practice

- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 8, 2018, 11:00 AM - 12:30 PM CST
- **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 8, 2018, 1:00 PM - 2:30 PM CST
- **Examining Cogeneration Technologies**
Fri., Nov. 9, 2018, 11:00 AM - 12:30 PM CST
- **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 9, 2018, 1:00 - 2:30 PM CST

Shallow Foundation Design and Construction

- **Evaluating Building Sites**
Wed., Nov. 14, 2018, 11:00 AM - 12:30 PM CST
- **Shallow Foundation Design**
Wed., Nov. 14, 2018, 1:00 - 2:30 PM CST
- **Special Considerations in Foundation Design and Construction**
Thurs., Nov. 15, 2018, 11:00 AM - 12:30 PM CST
- **Soil Improvement and Foundation Diagnosis and Repair**
Thurs., Nov. 15, 2018, 1:00 - 2:30 PM CST

Roadway Design

- **Roadway Design**
Thurs., Nov. 29, 2018, 11:00 AM - 12:30 PM CST
- **Roadway Design Process**
Thurs., Nov. 29, 2018, 1:00 - 2:00 PM CST
- **Typical Roadway Sections and Alignment**
Fri., Nov. 30, 2018, 11:00 AM - 1:30 PM CST
- **Intersections, Drainage and Pedestrian-Bicycle Facilities**
Fri., Nov. 30, 2018, 2:00 - 3:30 PM CST

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Parking Structure Design, Construction and Maintenance
Nashville, TN - Thursday, December 13, 2018

How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____
	Company/Firm: _____
	Address: _____
	City: _____ State: _____ Zip: _____
Phone: 715-835-5900	Occupation: _____
	Email: _____
Fax: 715-835-6066	Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Additional Registrants:
	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
	Name: _____
	Occupation: _____
	Email: _____
	Phone: _____
Complete the entire form. Attach duplicates if necessary.	Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
	() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____