

Agenda

Presented by
Rob McConnell, PE, LEED Green Associate

Parking Planning and Functional Design

- How much parking do we need?
- Designing for the user
- Site design
- Parking structure planning
 - Layout
 - Circulation
 - Ramps
- Parking operations
- Wayfinding and signage
- Architectural and code considerations
- Security and lighting
- Mechanical, plumbing, and fire protection systems

Parking Structure System Design

- Structural system selection
- Structural design
 - Gravity
 - Wind
 - Seismic
 - Durability
 - Drainage
 - Volume change

Parking Structure Maintenance, Restoration, and Repair

- Preventative maintenance
- Typical deterioration and repairs
- Risk of deferred maintenance

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Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

**Parking Structure Design,
Construction and Maintenance**
Live, Interactive Webinar - Thursday, March 11, 2021

Learning Objectives

You'll be able to:

Participate in parking structure planning, including layout, circulation, ramps and pedestrian access.

Maintain code compliance, and plan for security, mechanical and fire protection systems.

Describe structural requirements for parking garages, including requirements for seismic loads and wind loads.

Design for structural drainage and maximize durability.

Make plans for preventative maintenance, and handle deterioration and repairs.

HalfMoon Education Online Learning

Parking Structure Design, Construction and Maintenance

Live, Interactive Webinar - Thursday, March 11, 2021



Determine the capacity of proposed parking structures

Plan layout and circulation

Comply with applicable codes

Design for gravity, wind and seismic loads

Discuss security, mechanical and fire protection systems

Implement maintenance plans and make repairs

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects
6.5 HSW CE Hours

AIA
6.5 LU | HSW

International Code Council
.65 CEUs (Building)

Faculty

Rob McConnell, PE, LEED Green Associate *Vice President Parking Solutions*
Mr. McConnell's parking design and consulting experience encompasses more than 20 years of work with airports, governmental agencies, and with military, transit, higher education, resort, healthcare, and corporate clients. He is well-versed in precast concrete, cast-in-place concrete, and steel construction. Mr. McConnell's experience includes numerous restoration, parking study, and programming projects. Several of his projects have received LEED certification, including Colorado State University's Lake Street parking facility, which received LEED Gold.

Webinar Information

Log into Webinar 8:00 - 8:30 am CST	Break 12:15 - 1:15 pm CST
Morning Session 8:30 am - 12:15 pm CST	Afternoon Session 1:15 - 4:30 pm CST

Tuition
\$289 for individual registration
\$199 for three or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

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

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

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Additional Learning

- Construction Project Management**
- Fri., Feb. 12, 2021 | 11:00 am - 3:15 pm CST
- Handling Ethical Issues in Construction Contracting**
- Tues., Feb. 16, 2021 | 9:00 - 10:00 am CST
- Construction Cost Estimating**
- Fri., Feb. 19, 2021 | 7:30 am - 3:30 pm CST
- International Existing Building Code**
- Mon., Feb. 22, 2021 | 8:30 am - 5:00 pm CST
- Passive House: Planning and Design**
- Tues., Feb. 23, 2021 | 8:30 am - 4:30 pm CST
- Deep Foundations and Excavations**
- Tues., Feb. 23, 2021 | 9:00 am - 5:00 pm CST
- Stormwater Basins and Underground Systems**
- Tues., Feb. 23, 2021 | 9:00 am - 4:30 pm CST
- Shallow Foundation Design, Construction and Repair**
- Wed., Feb. 24, 2021 | 11:00 am - 2:15 pm CST
- Thurs., Feb. 25, 2021 | 11:00 am - 2:15 pm
- Complying with Fire Protection & Building Codes**
- Thurs., Feb. 25, 2021 | 8:00 am - 4:00 pm CST
- Construction Scheduling and Cost Control**
- Thurs., Feb. 25, 2021 | 9:30 am - 2:00 pm CST
- Fri., Feb. 26, 2021 | 9:30 am - 2:00 pm CST
- Current Issues in the Practice of Geoscience**
- Fri., Feb. 26, 2021 | 8:30 am - 4:30 pm CST
- International Building Code 2021**
- Fri., Feb. 26, 2021 | 8:30 am - 4:30 pm CST

For more information and other online learning opportunities visit: www.halfmoonseminars.org

Continuing Education Credit Information
This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in all states.
HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 5554646), Indiana (License No. CE21655559), Maryland, New Jersey (Approval No. 24GP55555655), North Carolina (S-5135), and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Sustainability (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to all prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Registration

Parking Structure Design, Construction and Maintenance
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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
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 webinar. Single Registrant - \$289.00 . Three or more registrants from the same company registering at the same time - \$199.00 each. () I am not attending. Please send me the webinar recording: ☐ Streamable MP4 Video/PDF Manual for \$299.00 . ☐ USB Video/PDF Manual for \$299.00 .	
Checks: Make payable to HalfMoon Education Inc. Credit Card: <i>Mastercard, Visa, American Express, or Discover</i> Credit Card Number: _____ Expiration Date: _____ CVV2 Code: _____ Cardholder Name: _____ Billing Address: _____ City: _____ State: _____ Zip: _____ Signature: _____ Email: _____	