

Agenda

Presented by Rob McConnell, P.E., LEED GA

Parking Structure Design, Construction and Maintenance Day One

Tuesday, September 29, 2020 | 11:00 am - 3:00 pm CDT (including a 30-min. break)

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 Design, Construction and Maintenance Day Two

Wednesday, September 30, 2020 | 11:00 am - 2:30 pm CDT (including a 30-min. break)

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

Parking Structure Design, Construction and Maintenance

Online - Tuesday, Sept. 29 and Wednesday, Sept. 30, 2020



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Learning Objectives

You'll be able to:

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

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

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

Comply with building codes and consider the durability of the structure and systems.

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



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HalfMoon Education Online Learning

Parking Structure Design, Construction and Maintenance

Live, Interactive Webinar Series

Tuesday, September 29 and Wednesday, September 30, 2020



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

International Code Council

.65 CEUs (Building)

Architects

6.5 HSW CE Hours

6.5 AIA LU|HSW



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Faculty

Rob McConnell, P.E., LEED GA *Vice President Parking Solutions*

Mr. McConnell’s parking design and consulting experience encompasses three decades of work with airports, governmental agencies, military, transit, higher education, resort, healthcare, and corporate clients. He is a member of the National Parking Association’s Parking Consultants Council, ASCE’s Structural Engineering Institute, the International Parking and Mobility Institute, and various regional parking and mobility organizations. Mr. McConnell is well-versed in precast concrete, cast-in-place concrete, and steel construction. His experience includes numerous restoration, parking study, and programming projects. He is also an accredited Parksmart Advisor, able to guide owners through GBCI’s Parksmart certification process for sustainably designed, constructed, and operated parking facilities.

Webinar Information

Day One: Tuesday, September 29, 2020
11:00 am – 3:00 pm CDT (including a 30-min. break)

Day Two: Wednesday, September 30, 2020
11:00 am – 2:30 pm CDT (including a 30-min. break)

(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$299 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.

Additional Learning

Stormwater Basins and Underground Systems
- Mon., Sept. 14, 2020 | 12:00 – 4:00 pm CDT
- Tues. Sept. 15, 2020 | 12:00 – 3:30 pm CDT

Wastewater Collection and Treatment System Design
- Mon., Sept. 14, 2020 | 10:00 am – 1:30 pm CDT
- Tues. Sept. 15, 2020 | 10:00 am – 1:30 pm CDT

Small Commercial Solar Photovoltaic Energy Systems
- Tues., Sept. 15, 2020 | 8:30 am – 3:50 pm CDT

Advanced HEC-RAS Modeling
- Wed., Sept. 16, 2020 | 8:30 am – 12:30 pm CDT
- Thurs. Sept. 17, 2020 | 8:30 am – 12:00 pm CDT

International Building Code
- Wed., Sept. 16, 2020 | 10:00 am – 2:00 pm CDT
- Thurs., Sept. 17, 2020 | 10:00 am – 2:00 pm CDT

How to Design Accessible Parking
- Mon., Sept. 21, 2020 | 11:00 am – 12:30 pm CDT

Complying with Fire Protection and Building Codes
- Mon., Sept. 21, 2020 | 8:00 – 11:35 am CDT
- Tues., Sept. 22, 2020 | 8:00 am – 12:05 pm CDT

Designing for Accessibility under ADA Standards and IBC
- Tues., Sept. 22, 2020 | 8:30 am – 4:30 pm CDT

How to Use Xeriscape in Site Planning
- Thurs., Sept. 24, 2020 | 11:00 am – 1:00 pm CDT

How to Navigate the New Mass Timber Construction Types in the 2021 IBC
- Fri., Sept. 25, 2020 | 2:00 – 4:00 pm CDT

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

Continuing Education Credit Information

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina (S-0130), 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 Building (Preferred Provider No. 1232).

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

Can’t Attend? Order the Webinar as a Self-Study Package!

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.

Registration

Parking Structure Design, Construction and Maintenance

Live, Interactive Webinar - Tuesday, September 29 and Wednesday, September 30, 2020

How to Register Online: www.halfmoonseminars.org Phone: 715-835-5900 Fax: 715-835-6066 Code: Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278 Complete the entire form. Attach duplicates if necessary.	Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ 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.
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