

Agenda

Automotive Trends

- Current mix of vehicles on the road and parking design standards
- Trends for public transit
- Trends for ridesharing
- Delivery vehicles and the effects of e-commerce
- Micro mobility (scooters, bicycles)
- Autonomous vehicles

R. McConnell

Development Trends

- Mixed-use and public-private partnerships (PPP)
- Intermodal facilities and transit-oriented development
- Other uses within the parking areas
- Planning for the future: adaptive reuse

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Right-Sizing Parking

- Shared-use
- Transportation design management (TDM) strategies
- Dynamic pricing

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Parking Operations

- Operating strategies
- Current technology

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Sustainable Design for Parking Facilities

- Management
- Placemaking
- Technology
- GBCI Parksmart

R. McConnell

Permeable Parking Area Pavements for Stormwater Management

- Introduction to permeable pavements
- Site suitability
- Key factors for successful design
- Construction best practices
- Effective maintenance
- Lessons learned

D. Hein

New Developments in Parking Facilities

Live, Interactive Webinar - Monday, April 26, 2021

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



Learning Objectives

You'll be able to:

Describe the current mix of vehicles on the road and discuss parking design standards.

Identify recent trends in parking facility development and design.

Explain the basics of transportation demand management.

Understand new developments in parking operations technology.

Assess sustainable design trends for parking facilities.

Determine if a site is suitable for permeable parking pavements.

HalfMoon Education Online Learning

New Developments in Parking Facilities

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Understand how trends in automotive technology and ownership impact the need for parking

Consider how adaptive reuse development can help position parking facilities for the future

Learn what factors must be considered when right-sizing parking

Get up-to-date on new parking operations strategies and technology

Explore new developments in sustainable parking facility design

Examine how to use permeable parking area pavements for stormwater management

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Faculty

Rob McConnell, PE, LEED Green Associate *Vice President-Parking Solutions with WGI*
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.

David Hein, P.Eng. *Principal at 2737493 Ontario Limited, Ontario, Canada*
Mr. Hein has over 35 years of experience in the design, evaluation, construction and maintenance of pavements. He has worked extensively with permeable pavements over the past 15 years developing standards, tools, guidelines, design and construction best practices and maintenance manuals to ensure quality and long-lasting permeable pavements. He is the chair of the American Society of Civil Engineers Transportation and Development Institute Standards Committee that recently published a standard for the design, construction and maintenance of permeable interlocking concrete pavements. His research projects include the National Cooperative Highway Research Program Project 25-25 Task 82 titled "Permeable Shoulders with Stone Reservoirs" that includes design, construction and maintenance guidelines for the use of permeable pavement shoulders for roadways and highways along with many permeable pavement demonstration projects. He is also the author of the U.S. Federal Highways Tech Brief on pervious concrete and permeable pavers. Mr. Hein is a recognized expert of the structural and hydrologic design and maintenance of permeable pavements, and he has completed hundreds of presentations, webinars and workshops on permeable pavement design both nationally and internationally.

Webinar Information

Log into Webinar 8:30 - 9:30 am CDT	Break 12:30 - 1:00 pm CDT
Morning Session 9:30 am - 12:30 pm CDT	Afternoon Session 1:00 - 4:30 pm CDT

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- Mon, Mar 22, 2021 | 10:00 am - 4:50 pm CDT

Preventing and Addressing Construction Defects and Failures
- Tues, Mar 23, 2021 | 11:00 am - 2:15 pm CDT
- Wed, Mar 24, 2021 | 11:00 am - 3:15 pm CDT

Ethical Issues in Land Access and Development
- Wed, Mar 24, 2021 | 10:00 - 11:00 am CDT

Designing for Climate Resilience
- Thurs, Mar 25, 2021 | 11:00 am - 2:45 pm CDT
- Fri, Mar 26, 2021 | 11:00 am - 2:45 pm CDT

Composite Steel, Concrete and Mass Timber Buildings
- Fri, Mar 26, 2021 | 9:00 am - 4:25 pm CDT

Handling Ethical Issues in Construction Contracting
- Fri, Mar 26, 2021 | 10:00 - 11:00 am CDT

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

Registration

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