

Agenda

Principles of Pavement Design

Goals of pavement design
Consulting guidelines and standards
Obtaining information on site
Analyzing anticipated use
Pavement selection process and criteria
Economics and lifecycle analysis

C. Decker,
K. Justice

Design of Flexible Pavements

Soil support and subsurface preparation
Reclamation and recycling
Preparing existing pavement
Flexible pavement design
Overlay of existing pavement

C. Decker

Design of Rigid Pavements

Soil support and subsurface preparation
Pavement thickness
Overlay of existing flexible pavement
Overlay of existing rigid pavement
Joint design

K. Justice

Design of Specific Elements

Design of shoulders
Design of shared-use pavements
Design of parking lots and driveways
Design of paths and walkways

C. Decker,
K. Justice

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

Pavement Design
Richmond, VA - Tuesday, April 17, 2018

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



Learning Objectives

You'll be able to:

Examine the pavement selection process and selection criteria.

Learn about economics and lifecycle analysis.

Review soil support and subsurface preparation.

Explore design of flexible and rigid pavements.

Discuss overlay of existing rigid and flexible pavements.

Review design of specific elements, including shoulders, parking lots, driveways, and walkways.



Pavement Design

Richmond, VA - Tuesday, April 17, 2018



Understand the pavement selection process and selection criteria

Explore economics and lifecycle analysis

Review soil support and subsurface preparation

Examine design of flexible and rigid pavements

Discuss joint design

Review design of specific elements, including shoulders, parking lots, driveways, and walkways

Continuing Education Credits

Professional Engineers

6.5 CE Hours/PDHs

Architects

6.5 Continuing Ed. Hours (HSW)

6.5 AIA HSW Learning Units

Contractors

Non-Credit Continuing Education



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG





Christopher S. Decker, P.E.

Vice President/Project Manager at RDM International, Inc.

Mr. Decker has more than two decades of experience in pavement design, materials testing, quality control/quality assurance, and construction management. He is currently licensed in 22 states. Mr. Decker serves as RDM’s vice president and as a project manager for various airport, roadway and forensic investigation projects. Over the past five years he has successfully completed over 70 projects across the U.S. and abroad. Mr. Decker has provided numerous training courses, project presentations and paper presentations for clients, professional society conferences and state, federal and international government organizations. He has presented on topics including Proper Paving Techniques, P-401 Mix Design Requirements, P-401 Placement Requirements, P-501 Mix Design Requirements, P-501 Placement Requirements, Current Airfield Pavement Initiatives, FAA Update to P-401 (Superpave), From Pavement Design to Durability and Performance, Smoothness and Drainage, GMIA Paving in the Bullseye, Runway 10R/28L Replacement: A Case Study of a Large Airfield Project at CMH, ACC Construction Session on Quality Acceptance and Testing, Resurfacing the Runway to the Nation’s Capitol, P-501 Placement using Slipform Pavers, Soil Cement Stabilization, Sustainable Design and Construction of Airfield Pavements, and Compaction of HMA Pavements.

Kenneth M. Justice, P.E.

Senior Director, Local Paving for the National Ready Mixed Concrete Association

Kenneth M. Justice, PE, joined the NRMCA in July 2016. His primary objective is implementing strategies that increase the use of the various forms of ready mixed concrete pavement in parking areas, local streets and roads, and other related pavement applications. Mr. Justice is based in the Philadelphia area, and he works with local, regional and state technical and promotion

Seminar Information

Hyatt Place Richmond/Arboretum
201 Arboretum Place
Richmond, VA 23236
(804) 560-1566

Tuition

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

Each registration includes a 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.

partners to help deliver concrete parking and street paving projects by supporting promotion, design and construction activities as well by providing training and presentations on concrete applications and promotion. Mr. Justice is also a pervious concrete and pervious pavements specialist, having been involved in over 300 pervious pavement projects, and he has spoken at hundreds of industry events, workshops and webinars. Prior to joining the NRMCA, Mr. Justice was the promotion director for the Portland Cement Association Northeast for over 10 years. His duties corresponded with many of NRMCA’s pavement promotion goals. He has promoted the use of full-depth reclamation (FDR) of pavements with cement as well as the use of ready-mixed concrete for parking lots and related flat work. He has worked closely with architectural and engineering firms, municipal and agency officials, contractors, ready-mixed concrete producers and industry personnel. Prior to that, Mr. Justice worked as a civil engineer with over 25 years of experience as an engineering project manager, concentrating on pavement projects for airports, parking lots, and roads. He earned a bachelor’s degree in Civil Engineering from Villanova University in 1987 and a master’s degree in Civil Engineering from North Carolina State University in 1989. He is a registered professional engineer in New York, New Jersey, Delaware, Pennsylvania and North Carolina and also a LEED-accredited professional since 2006.

Here’s what past attendees had to say about the seminar and presenters Christopher Decker and Kenneth Justice:

“Good seminar.” — Professional Engineer

“Good technical information.” — Architect

Continuing Education Credit Information

This seminar is open to the public and offers up to 6.5 HSW continuing education hours to architects and 6.5 continuing education hours to engineers in most states, including Virginia. Educators and courses are not subject to preapproval in Virginia.

This event has been approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA.

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

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state contractor licensing entity for mandatory continuing education credit.

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

Commercial Energy Conservation Code

- **Commercial Energy Conservation Code and COMcheck Introduction**
Weds., Mar. 28, 2018, 11:00 AM - 1:00 PM CDT
- **Building Envelope Energy Efficiency**
Weds., Mar. 28, 2018, 1:30 - 3:30 PM CDT
- **Heating, Ventilation and Air Conditioning Systems**
Thurs., Mar. 29, 2018, 11:00 AM - 1:00 PM CDT
- **Service Water Heating, Power and Lighting**
Thurs., Mar. 29, 2018, 1:30 - 3:00 PM CDT

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

Pavement Design

Richmond, VA - Tuesday, April 17, 2018

How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____
		Company/Firm: _____
		Address: _____
		City: _____ State: _____ Zip _____
		Occupation: _____
		Email: _____
		Phone: _____
Fax: 715-835-6066		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: _____