

Agenda

Establishing a Preventive Maintenance Program

- How managing your pavements will help your roadway network
- Primary components of a pavement management system
- Primary methods of condition assessment
- Identifying pavement management programs and systems
- Developing a complete pavement management program

R. Zhang

Asphalt Roadway Maintenance and Repair

- Asphalt roadway distresses (identification and causes)
- Asphalt roadway repairs
 - Crack sealing
 - Patching
 - Surface treatments
 - HMA overlays (ultrathin, thin, and conventional)
- Selecting appropriate projects for repair
- Design and materials
- Preparation and construction
- Quality control/quality assurance

R. Zhang

Jointed Concrete Pavements Repair

- Repair techniques:
 - Partial-depth patching
 - Full-depth patching
 - Slab replacement
 - Pavement rehabilitation
 - Joint/crack sealing
- Selecting appropriate projects for repair
- Design and materials
- Preparation and construction
- Quality control/quality assurance

P. Taylor

Right-of-way Maintenance and Repair

- Shoulder repair and grading
- Cut slope repair
- Drainage and erosion control for roadside slopes
- Vegetation management

C. Mohney

Roadway Maintenance, Rehabilitation and Repair

Live, Interactive Webinar - Wednesday, August 21, 2024

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



Learning Objectives

You'll be able to:

Get tips on developing a complete pavement management program.

Explore asphalt roadway repairs, including crack sealing, patching, surface treatments, and HMA overlays.

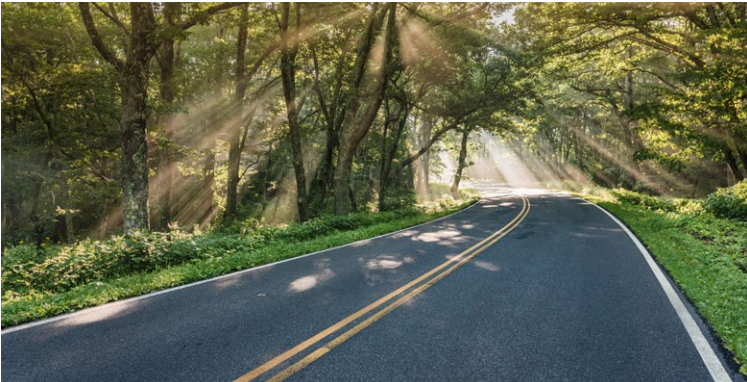
Review design and material selection for full-depth and partial-depth repairs of jointed concrete pavements.

Learn techniques for shoulder repair and grading.

HalfMoon Education Inc.,
Your LIVE Education Leader Presents

Roadway Maintenance, Rehabilitation and Repair

Live, Interactive Webinar - Wednesday, August 21, 2024



Establish a pavement management system

Examine asphalt roadway distresses and their causes

Discuss asphalt roadway maintenance and repair

Explore full-depth and partial-depth repairs of jointed concrete pavements

Learn about shoulder repair and grading

Continuing Education Credits

Professional Engineers

6.0 PDHs

Architects

6.0 HSW CE Hours

6.0 AIA LU | HSW

Landscape Architects

6.0 HSW CE Hours

6.0 LA CES HSW PDHs

International Code Council

.6 CEUs (Sitework)



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Webinar Information

Online - Wednesday, August 21, 2024

Log into Webinar 8:30 - 9:00 am CDT	Break 12:15 - 12:45 pm CDT
Morning Session 9:00 am - 12:15 pm CDT	Afternoon Session 12:45 - 4:00 pm CDT

Tuition
\$339 for individual registration.
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Faculty

Runhua Zhang, Ph.D.
Lecturer, Scientist, Department of Civil and Environmental Engineering, University of Wisconsin Madison
Dr. Zhang is a dedicated pavement and transportation materials engineer with a strong background in materials and structures supported by 10 years of knowledge, learning, innovative lab and field research, teaching and work in asphalt concrete mix design, design and modeling of pavement structure, asphalt material laboratory testing, rheological modeling of asphalt binders and mixtures, evaluation of sustainable and innovative bituminous materials, pavement performance simulation and prediction, pavement evaluation, preservation, maintenance and rehabilitation techniques. He received his Ph.D. degree in Civil and Environmental Engineering from the University of New Hampshire in 2020 and his Master of Science Degree in Civil Engineering from Chongqing Jiaotong University (China) in 2017.

Peter Taylor, Ph.D.
Director, National Concrete Pavement Technology Center, Iowa State University
Dr. Taylor leads internationally recognized research at the National Concrete Pavement Technology Center. His high-impact work has resulted in the development of standard practices such as AASHTO PP 84: Developing Performance Engineered Concrete Pavement Mixtures. Additionally, his research has helped transportation agencies save millions of dollars by preventing premature failures in sawn joints and improving concrete proportioning tools for sustainable concrete mixtures. Dr. Taylor regularly presents at workshops, seminars, and conferences as an invited speaker, where the information he presents about the current research in concrete technology has a strong impact on the concrete pavement community in the United States and internationally.

Curran Mohney
Engineering Geology Program Leader, Oregon Department of Transportation
The Engineering Geology Program at ODOT encompasses site characterization, subsurface exploration, slopes and embankments, geologic hazards, groundwater, geotechnical instrumentation, and planning and research activities. In this leadership role, he also oversees the Unstable Slopes (landslide/rockfall) Program for ODOT. He is a registered geologist and a certified engineering geologist in Oregon with over 25 years of experience in Oregon and the western states. Mr. Mohney has been the Engineering Geology Program leader since 2004. Prior to this, he had been a staff and project-level geologist for consulting firms and the mining industry as well as for ODOT. He is a graduate of the Geology Program at Portland State University. During his professional career, Mr. Mohney has been involved in the investigation, design, and mitigation of hundreds of landslides and rockfalls.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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The American Institute of Architects Continuing Education System has approved this course for 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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6.0 HSW LUs (AIA) 6.0 HSW PDHs (LA CES)

Additional Learning

Stream Restoration
- Tuesday, August 20, 2024 | 8:30 am - 5:00 pm CDT

Flood-Resistant Design and Construction
- Monday, August 26, 2024 | 9:00 am - 4:30 pm CDT

**Current Issues in Urban Planning:
Climate Planning and Equity Planning**
- Wednesday, August 28, 2024 | 9:00 am - 4:00 pm CDT

**Innovative MS4 Stormwater
Management Practices and Procedures**
- Thursday, August 29, 2024 | 9:00 am - 12:15 pm CDT

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