WCPA Offers Training on Many Topics

As you plan for the upcoming construction season, we thought you might like to know what concrete pavement classes and training the Wisconsin Concrete Pavement Association has available. Perhaps one of the following topics is of interest to you and your staff and would be beneficial to any ongoing education in your department.

We’re happy to tailor these presentations to meet your specific objectives and time constraints. Or, with a little time and our creativity, we can develop any of these topics into a dynamic keynote or luncheon address, or even a half-day workshop.

The following presentations are available:

♦ Concrete Pavement Construction Inspection Using PavementDesigner.org
♦ Concrete Pavement Construction Inspection
♦ Joint Layout & Design
♦ Americans With Disabilities Act Conformance on Construction
♦ Concrete Pavement Repair and Preservation
♦ New Innovations in Concrete Pavement
♦ Wisconsin DOT Specifications Update (revised annually)
♦ Concrete Overlays
♦ Integrated Materials and Construction Practices for Concrete Pavement
Concrete Pavement Construction Inspection

Learn to design:
- Urban Streets
- Local Roads
- Concrete Overlays
- Parking Lots
- Industrial Facilities

Estimated Time: 1-2 hours

Concrete Pavement Construction Inspection

This is the course developed to train WisDOT Project Staff and can be adapted to train municipal inspection staff.

- Material Requirements
- Survey & Layout
- Plant Inspection
- Pavers
- Handform Paving
- Curing & Sawing
- Opening to Traffic

Estimated Time: 8 hours

Joint Layout & Design

Topics to include:
- Design of All Joints
- Construction Basics of Jointing
- Layout of Intersections
- Layout of Roundabouts

Estimated Time: 1-2 hours

Americans With Disabilities Act Conformance on Construction

Topics to include:
- Basics of ADA for Sidewalks, Curbs & Driveways
- WisDOT Standards Development
- Curb Ramp Requirements & Layout
- Audible Warning Field Design & Layout
- ADA Requirements During Construction

Estimated Time: 2 hours

Concrete Pavement Repair and Preservation

This Course Covers:
- Concrete Pavement Evaluation
- Full-Depth Repairs
- Partial-Depth Repairs
- Load Transfer Restoration
- Diamond Grinding
- Joint/Crack Sealing
- Strategy Selection

Estimated Time: 6-8 hours

New Innovations in Concrete Pavement

Concrete Pavements are Evolving:
- New Cements
- New Admixtures
- New Steel Designs
- Performance Engineered Mixtures Concepts
- Super Air Meter

Estimated Time: 1 hour

Wisconsin DOT Specifications Update

What is Our DOT Doing in Regard to Concrete Pavements?
- New Materials
- Revisions to Standard Specifications
- Revisions to Standard Detail Drawings
- Performance Engineered Mixtures

Estimated Time: 1-2 hours

Concrete Overlays

Topics to include:
- Overview of Concrete Overlays
- Project Evaluation & Selection
- Design of Overlays
- Construction Overview
- Performance of Overlays

Estimated Time: 1-2 hours

Integrated Materials and Construction Practices for Concrete Pavement

This is the advanced level class with topics to include:
1. Design of Concrete Pavements
2. Fundamentals of Materials
3. Cement Hydration
4. Fresh Concrete Properties
5. Hardened Concrete Properties
6. Mixture Design & Proportioning
7. Construction of Concrete Pavements
8. Quality & Tests
9. Troubleshooting

Estimated Time: 8-12 hours