STAY ON TOP OF THE LATEST TRENDS AND TECHNIQUES

Flexible Pavements of Ohio (FPO) offers a catalog of technical briefings on a wide range of topics related to asphalt pavement technology, which can be presented at your location upon request and mutual agreement. These presentations will be presented *free of charge*. Topics can be accompanied by an opportunity for Q&A on the presentation or other topics related to asphalt pavement technology. Each briefing topic is intended to last approximately one hour in order to fit within a limited time frame. Multiple briefings may be combined to fill a longer period if desired. FPO can award certificates for professional development hours (PDHs).

The host agency is responsible for providing a suitable location for the presentation, notifying participants of the presentation and taking an attendance record for awarding PDHs. This catalog can be used as a checklist in requesting presentations.

Please contact us at **(614) 791-3600** or **info@flexiblepavements.org** to arrange for a technical briefing at your location.

Flexible Pavements of Ohio

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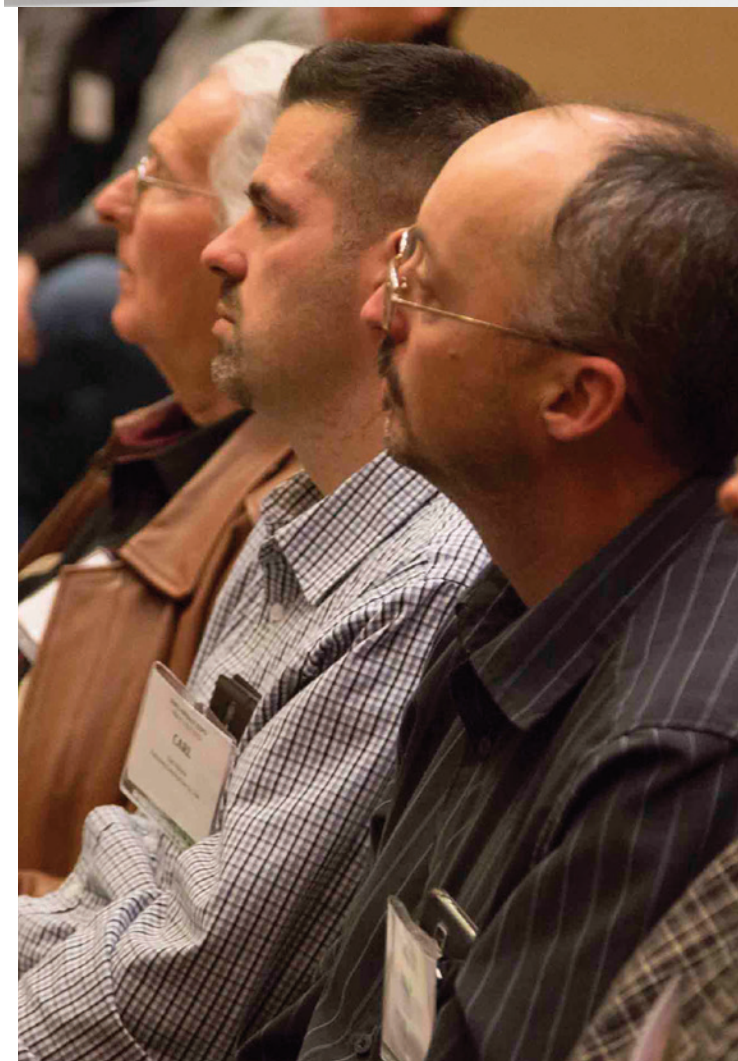
2018-2019 TECHNICAL BRIEFINGS CATALOG



CATALOG OF **TECHNICAL BRIEFINGS** FOR 2018-2019

- **Pavement Preservation Options: Thinlays, Smoothseal, 404LVT.** Thin overlays are the most cost effective treatments for pavement preservation. This presentation defines and describes the purpose of Thinlay asphalt concrete. The development of Ohio Thinlay Asphalt Concrete is presented along with overviews of Ohio Smoothseal and 404 LVT. Guidance regarding the proper use of these materials as a pavement preservation program strategy is provided. 1 hour. 1 PDH.
- **Composite Pavement Rehabilitation…Tips to Improve Your Repair/Rehab Strategy.** Asphalt overlays are commonly used to rehabilitate deteriorated concrete pavements. Successful treatment is very challenging. This presentation provides a variety of tips to improve the design and/or construction of your composite pavement rehabilitation project. Pre-design pavement investigation, pavement repairs and longitudinal cold joint construction among other topics are covered. Although composite pavement issues are emphasized, most tips/topics can also be applied to other types of resurfacing or rehabilitation projects. 1 hour. 1 PDH.
- **What are PG Binders and How are they Specified.** Specifying the appropriate grade of binder is essential to pavement performance. Binder grades and specifications are explained. ODOT standard usage is explained and guidance provided for proper application of non-standard binder grades to improve pavement performance. 1 hour. 1 PDH.
- **Pavement Planing/Milling Options and Applications.** Use of the proper planing/milling option for the appropriate application can improve project quality and economy. The various options available under ODOT specs, Item 254 and SS 897 are explained and the proper application of each type is illustrated. 1 hour. 1 PDH.
- **Mix Type Specification for Prevailing Traffic Conditions.** Selecting the proper mix types for an asphalt pavement build-up is essential for best performance and economy. Different mix types are required for different load applications, layer thicknesses and position within the pavement build-up. The presentation will provide information regarding the mix types generally available under the latest ODOT specifications, thinlay mixes for pavement preservation and guidance for their optimum application. 1 hour. 1 PDH.

- **Implications of Global Stabilization on Pavement Design.** Chemical stabilization of subgrade soil has been shown to provide many benefits to pavement design and construction; so much so, that ODOT has adopted design requirements to take advantage of these benefits. The presentation will provide information regarding the benefits identified by research and guidance for use on in asphalt pavement construction. 1 hour. 1 PDH.
- **Improving Asphalt Pavement Longitudinal Joint Performance.** The presentation will discuss the causes of this premature deterioration and the construction procedures required to ensure good performing longitudinal joints. 1 hour. 1 PDH.
- **Asphalt Pavement Maintenance and Rehabilitation.** Adequate maintenance is essential to achieving the best long-term performance and lowest life-cycle cost of an asphalt pavement. This presentation covers the basics of selecting appropriate, timely and economical maintenance, including pavement preservation with thinlays and micro milling, and rehabilitation treatments of asphalt pavements. The presentation references the latest research on the subject. 1 hour. 1 PDH.
- **Performance Advantages of Asphalt Base Pavements.** This presentation reviews the performance advantages of asphalt base pavements, compares the performance of composite pavements and makes suggestions for maintenance of concrete base pavements with asphalt overlays. 1 hour. 1 PDH.
- **Overview of Sustainability in Asphalt Pavements.** This presentation Identifies the characteristics of asphalt pavements that contribute to sustainability, including: reuse/recycling, porous asphalt pavement for stormwater management, the perpetual pavement concept, energy reduction, warm mix asphalt (WMA), carbon footprint and low noise. Describes how asphalt pavements fit into "green" rating systems. 1 hour. 1 PDH.

- **Porous Asphalt Pavement for Stormwater Management.** This presentation explains the concept of Porous Asphalt used for stormwater management and presents information on the performance of porous asphalt pavements with respect to runoff quality and quantity. References are included. 1 hour. 1 PDH.
- **The Perpetual Pavement Concept.** The technology finally exists to build pavements that last. The presentation will explain the concept of asphalt base pavements designed for inexhaustible structural life and present critical design, construction and maintenance considerations. 1 hour. 1 PDH.
- **Asphalt Pavement Construction Quality Control, Quality Assurance and Inspection.** This presentation covers the basics of inspecting asphalt pavement construction and assuring compliance with quality specifications to achieve the best performing asphalt pavement. The emphasis is on quality control and assurance methods commonly in use on Ohio construction, especially under ODOT specifications. 1 hour. 1 PDH.
- **Correction and Prevention of Deformation in Asphalt Pavements.** Ensuring against premature deterioration of an asphalt pavement is critical to achieving the best performance and economy. This presentation will cover the treatments necessary for the prevention of deformation in asphalt pavements at intersections or other highly stressed locations. 1 hour. 1 PDH.
- **Design and Construction of Asphalt Parking Lot Pavements.** Discusses issues related to adequate thickness design and construction of asphalt parking lot pavements for best performance and economy. 1 hour. 1 PDH.
- **Asphalt Pavement Structural Design.** A superior performing pavement begins with a proper structural design. This presentation gives an overview of the various design protocols and catalogs available to provide a structural thickness for an asphalt pavement application including the use of the free, web-based program, PaveXpress. Includes a discussion of design for parking lots, industrial facilities, streets and highways and typical designs. 1 hour. 1 PDH.