



2016-17 Technical Briefings Catalog

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. The presentation 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. The list below can be used as a check list in requesting presentations.

Contact Flexible Pavements of Ohio to arrange for a technical briefing at your location:

- E-mail: info@flexiblepavements.org
- Phone: 614-791-3600

Catalog of Technical Briefings for 2016-17:

___ Mix Type Specification under 2016 ODOT Specifications. 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 revised 2016 ODOT specifications, and guidance for their optimum application. 1 hour. 1 PDH.

___ Implications of Global Stabilization on Pavement Thickness 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. Longitudinal joints in asphalt pavements have often been a source of unsatisfactory performance, reducing the life of the pavement surface or requiring costly maintenance. 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 - Does it Work?. 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. Includes a discussion of design for parking lots, industrial facilities, streets and highways and typical designs. 1 hour. 1 PDH.