

Integrated Materials and Construction Practices (IMCP) and Overlays for Concrete Pavements



When: April 12, 2012
8:30 am to 4:30 pm

Where: **PennDOT Engineering District 6-0 Office
7000 Geerdes Boulevard
King of Prussia, PA 19406-1525**

Sponsored by
National Concrete Consortium

Presented by
National Concrete Pavement Technology Center

In Cooperation with
Pennsylvania Department of Transportation
Pennsylvania Turnpike Commission
ACPA Pennsylvania Chapter

YES, PLEASE REGISTER ME! (SPACE IS LIMITED TO 36 PARTICIPANTS)
**Please return completed form to ACPA Pennsylvania Chapter, 800 N. Third Street, Suite 503,
Harrisburg, PA 17102-2097, Phone 717-441-3506, Fax 717-441-3507 by February 21, 2012.**

Name: _____ Title: _____
Organization: _____
Address: _____ City, State: _____ Zip: _____
Email: _____ Phone: (____) _____

Additional Registrants (PennDOT Districts, Central Office and Turnpike limited to three slots each)

Name: _____ Name: _____
Title: _____ Title: _____
Email: _____ Email: _____

Registration: Government (complimentary) ACPA Pennsylvania Chapter Member (\$30) Other (\$65)

Number of Registrants: _____ @ \$ _____/person = \$ _____

Check Enclosed (payable to ACPA Penn Chapter) Bill me Visa MasterCard Discover

Name on Card: _____ Exp. Date: _____ 3-Digit: _____
Street No. & Zip: _____
Card Number: _____ Signature: _____

Background:

The National Concrete Pavement Technology Center (CP Tech Center), in cooperation with FHWA with funding through the National Concrete Consortium, is offering one-day training program to state highway agencies.

Objectives:

The objectives of this training are to provide the participant knowledge of concrete pavement beyond fundamentals, focusing on the affects of concrete materials on construction practices and service life. The training also covers common practices of concrete overlays.

The course includes discussions on state-of-practice and state-of-the-art technologies, concrete properties, materials, mix proportioning, production, construction and trouble shooting.

The IMCP and Concrete Overlay documents were developed under the guidance of Technical Overview Committees that consisted of State DOT, FHWA, academia, and industry.

Who Should Attend?

Individuals with pavement design and construction responsibilities (Assistant District Executives, Pavement Engineers, District Materials Engineers, Assistant Construction Engineers, and Program Managers). Also, contractors, engineering consultants, materials suppliers, quality control personnel, and technicians.

Agenda:

- Welcome & Introduction
- Pennsylvania Overview (PennDOT & ACPA Pennsylvania)
- Basics of Concrete Pavement Design
- Fundamentals of Materials Used for Concrete Pavements
- Transformation of Concrete from Plastic to Solid
- Critical Properties of Concrete
- Development of Concrete Mixtures
- Preparation for Concrete Placement
- Pavement Construction
- Introduction to Concrete Overlays
 - Bonded Concrete Overlays (over Asphalt/Composite)
 - Unbonded Concrete Overlays
- Quality and Testing
- Troubleshooting and Prevention
- Q&A and Wrap Up

Instructors

Peter Taylor & Thomas Van Dam

