NEAUPG 2017

Asphalt Pavement Alliance

Amy Miller, P.E.
National Director, APA
Research & Technology

Pavement Economics Committee
- Four Task Groups

Other Research
- Asphalt Institute
- NCAT

Future Research

Market Research & Communications

Go-To-Market Task Group

Deployment Activities

Deployment Task Group

Future Research
Five regional councils focused on what works in the field to the benefit of the asphalt pavement industry locally and nationally.
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Northeast Regional Council
Northeast Regional Council

Lead by Bruce Barkevich, NY Materials

Mike Barry, Palmer Paving
Dan Bauman, G.O. Hawbaker
Charlie Goodhart, PAPA
Jeff Graf, Maryland Paving
Greg Harder, AI
Marshall Klinefelter, Maryland APA
Scott Laudone, Tilcon NY
Brad Oneglia, O&G
Tim Peffer, Allan Myers, Inc.
Alex Phelps, Pike Industries
Jim Purcell, NJAPA
Jim Reger, Mass Agg and APA
Ron Simbari, All-States Material
Top 3 Regional Initiatives

- Durability
- Pavement Preservation
- Regional Promotional Activity
Visit ThinlayAsphalt.org
Showcase Awards

New York
Showcase Awards

Massachusetts
Interstate 95 N
Attleborough
Showcase Awards

Massachusetts
Asphalt Mix Collegiate Design Competition
Spring 2018
New Educational Modules

• LCCA
• Warm-Mix
• Porous
APA Northeast Showcase Awards

Commercial Paving of Entrance
Treehouse Regional Council
I-95 N. Attleboro
APA National Deployment
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PaveXpress

- Free, Simplified Design Tool
- Web-Based (Always Up-to-Date)
- AASHTO 93/98
- Flexible & Rigid
- New Construction & Overlays
- Default or Custom Values
- Context-Specific Help

www.PaveXpressDesign.org

NAPA

PaveXpress
Education & Training
IRI Explorer

Pavement–Vehicle Interaction

UHI & Albedo Requirements

NCAT Modules
Criteria:

- 35+ years old
- 13+ years between overlays (average)
- No increase > 4"
Perpetual Pavement Award

SR 73 Berks County
Debut: World of Asphalt
Houston, 2018
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How To Design A Road To Withstand Time, Traffic, and Taxpayers

Perpetual Pavement Design

Asphalt Surface
Renewed periodically. Maintained to ensure a high level of drivability. Surface type can be customized depending upon needs: open-graded friction courses for safety, stone-matrix asphalt for added durability, Thinlays™ for pavement preservation, etc.

Asphalt Base
Stiff structural layer designed to distribute loads and resist structural rutting. Optimizes materials and costs with use of RAP, RAS, and other recycled materials.

Fatigue-Resistant Asphalt Layer
Flexible layer designed to prevent fatigue cracking and bottom-up cracking. The overall thickness of the structure and the materials of this layer help limit the maximum tensile strain to below the fatigue endurance limit.

Pavement Foundation
The subgrade may be stabilized or unstabilized.