

# NEAUPG

North East Asphalt User/Producer Group

## Asphalt Pavement Alliance Update October, 2018

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# ASPHALT PAVEMENT ALLIANCE





## Research & Technology

## Market Research & Communications

## Deployment Activities

### Pavement Economics Committee

- Seven Task Groups

### Other Research

- Asphalt Institute
- NCAT

### Future Research

### Go-To-Market Task Group



### Deployment Task Group



NATIONAL ASPHALT  
PAVEMENT ASSOCIATION



# NE Collegiate Asphalt Mix Design



## Participating Colleges:

Alfred State  
Clarkson  
Columbia  
Manhattan  
Rogers Williams University  
Rowan  
Rutgers  
UMass  
University of New Hampshire  
University of Rhode Island  
Villanova

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# APA Northeast Showcase

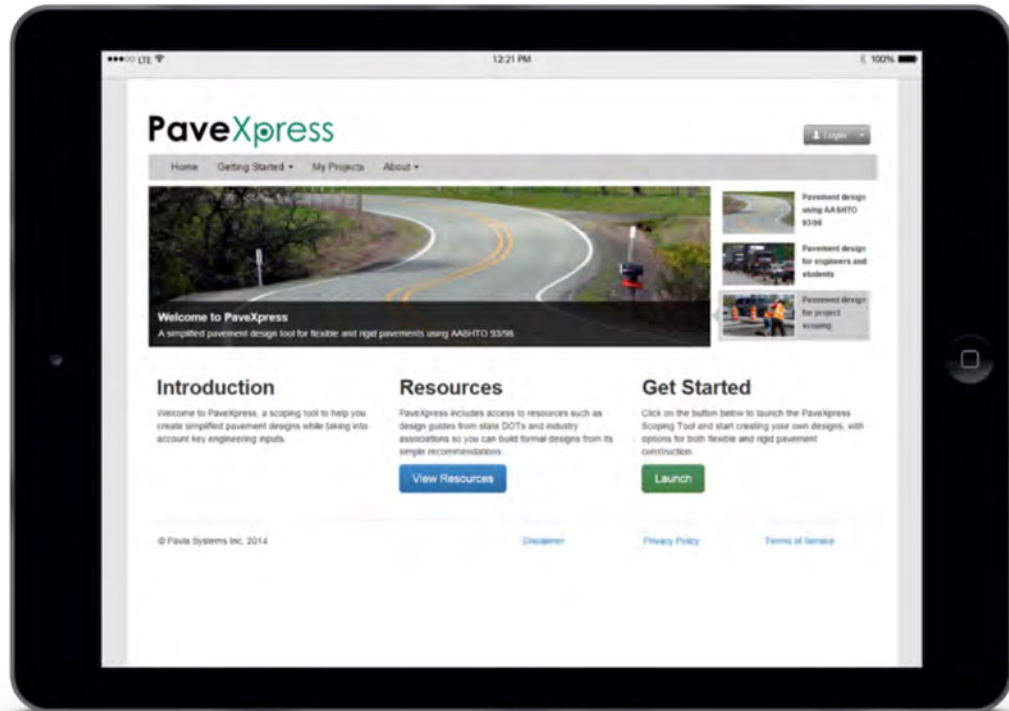


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# PAVE<sup>x</sup>press



- 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](http://www.PaveXpressDesign.org)

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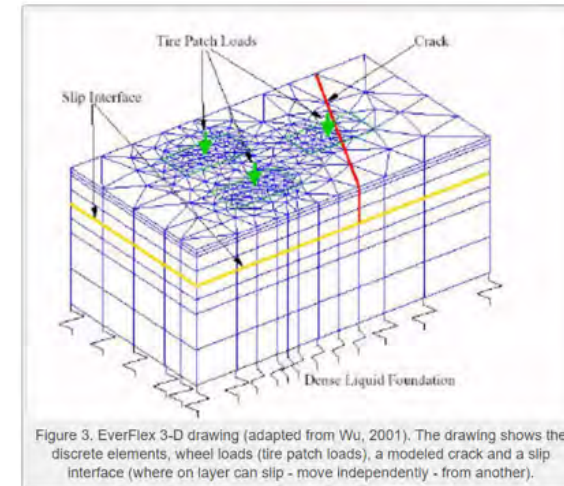
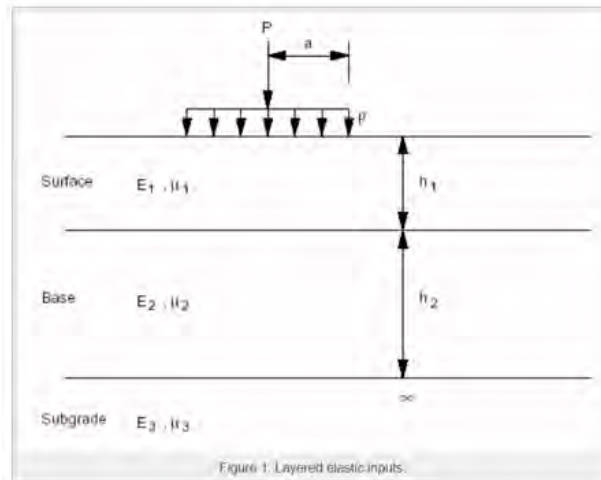
# Additional PAVEXpress Functions

# Life Cycle Cost Analysis

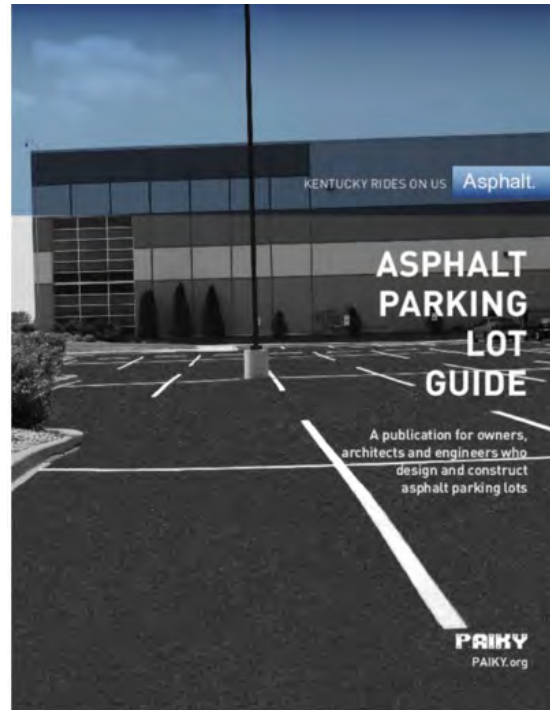




# Layered Elastic Analysis



# Parking Lot Design Guidance



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# Porous Pavement Design



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# PAVEInstruct

[www.PAVEInstruct.com](http://www.PAVEInstruct.com)

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# PAVEInstruct Modules

- Overview
- New Flex and Rigid Pavement Designs
- Overlays
- MEPDG
- Perpetual Pavements
- PerRoad
- Porous Design
- LCCA



# Verified

PAVEExpress

LAUNCH

GETTING STARTED

## Third-Party Verified

PAVEExpress is based on calculations from the AASHTO Guide for Design of Pavement Structures 1993 for flexible pavements and AASHTO Guide for Design of Pavement Structures 1998 Supplement for rigid pavements. Since the inception of PAVEExpress, many independent entities have verified the consistency of PAVEExpress to the design recommendations in the respective documents. Below are a couple of recent reports that provide additional validation.



Palmer Engineering

[Learn More](#)



State of Kansas

[Learn More](#)

In conclusion, our analysis confirmed that the calculations and results provided by PaveXpress are within acceptable tolerances of those results provided by both the *AASHTO Guide for Design of Pavement Structures* (AASHTO 1993) and *Supplement to the AASHTO Guide for Design of Pavement Structures, Part II – Rigid Pavement and Rigid Pavement Joint Design* (AASHTO 1998) and, in our professional opinion, PaveXpress calculates pavement designs consistent with the methodologies presented in AASHTO '93 and '98.

We appreciate the opportunity to provide these services for the Asphalt Pavement Alliance.

Sincerely,

Gary W. Sharpe, P.E., PLS  
Senior Project Manager

Asphalt.

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# POSITION PAPER



NATIONAL ASPHALT PAVEMENT ASSOCIATION

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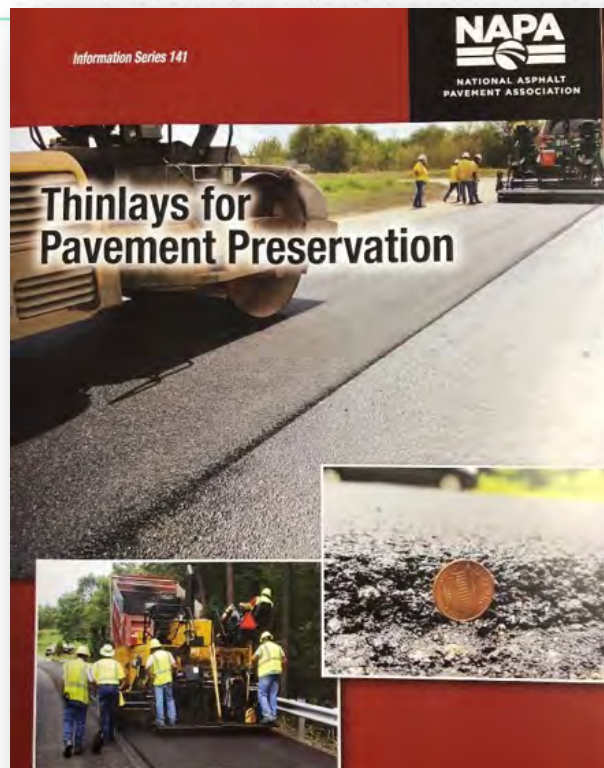
TF: 888.468.6499 PH: 301.731.4748 FX: 301.731.4621

[www.asphaltpavement.org](http://www.asphaltpavement.org)

# THINLAY

SAFE. SMOOTH. DURABLE.

**Thinlays: The Pavement Preservation Tool of Choice**  
*NAPA Position on Thin Asphalt Overlays for Pavement Preservation*



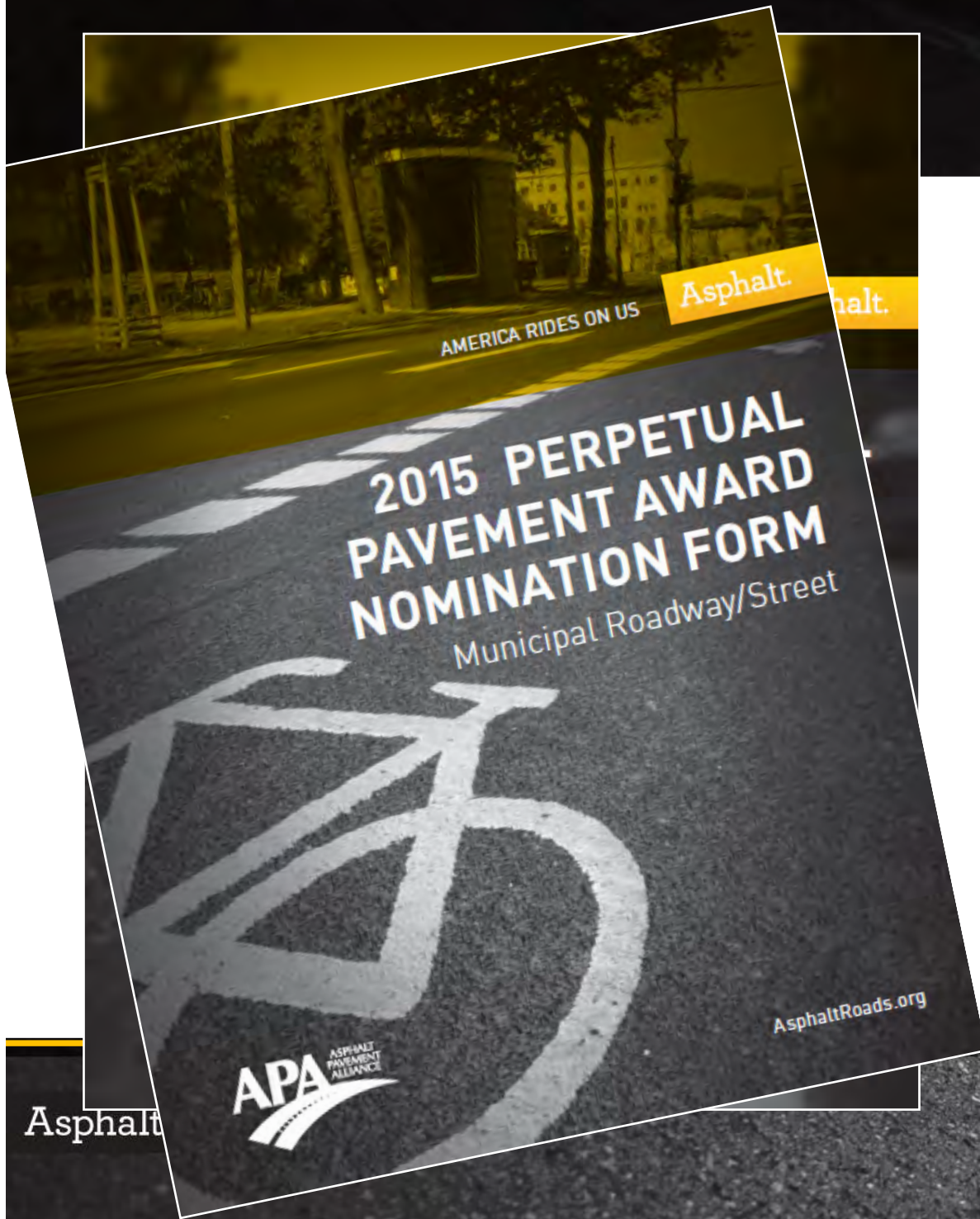
Visit [ThinlayAsphalt.org](http://ThinlayAsphalt.org)



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# Thinlays





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# Perpetual Pavement Award



**Congratulations Pennsylvania DOT!**

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# women of asphalt

## WOMEN OF ASPHALT

WE LEAD AND INSPIRE WOMEN IN THE ASPHALT INDUSTRY



Women of Asphalt is a national coalition which supports women in all aspects of the asphalt industry through mentoring, education, and advocacy, and by encouraging women to seek careers in the asphalt industry.

**[www.womenofasphalt.org](http://www.womenofasphalt.org)**



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Questions?

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Amy Miller