



National Perspective on the Asphalt Pavement Industry

Dan Gallagher
NAPA Past Chairman 2017





OVERVIEW

Protect and Gain Market Share

Represent the Industry Before Congress

Represent the Industry Before Regulatory Agencies

Advance Asphalt Technologies

Provide High Value Member Services

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Research & Technology

Pavement Economics Committee
Seven Task Groups

Other Research

- Asphalt Institute
- NCAT

Future Research



Market Research & Communications

Go-To-Market Task Group



Deployment Activities

Deployment Task Group



Market Share Efforts

Financial status

\$2.4 million approved

\$1.997 million spent

All 39 SAPAs Supported in 2017

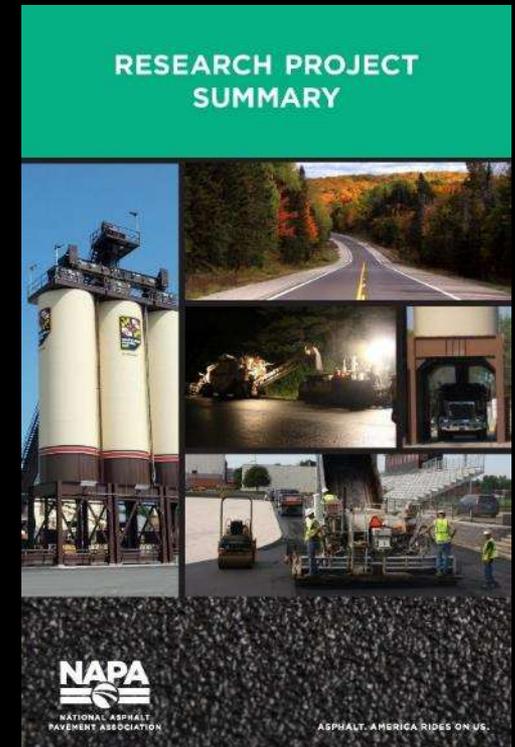
16 Already Pledged for 2018

Deliverables status

36 projects in total

19 of the projects are complete;

10 are near completion



Pavement Economics Committee



Mixture Quality & Performance

- Best Quality & Competitiveness
- Pavement Preservation
- Private Sector Markets & Local Roads



Life Cycle Cost Analysis

- Pavement Design
- Pavement Type Selection

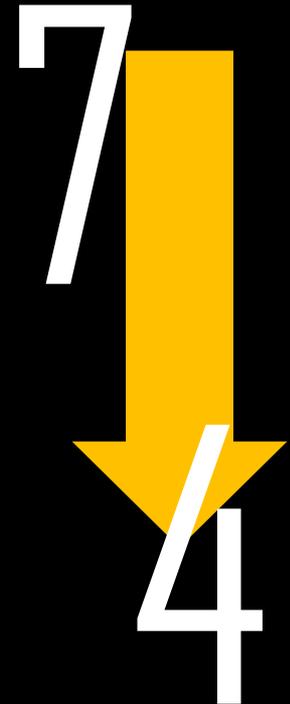


Life Cycle Assessment

- Environmental Sustainability



Legislative



Factsheets

Infographics

Videos

Presentations

Advertisements

Media Outreach

More ...



PAVEMENT DESIGN Simplified

Designing the right pavement for the job just got easier thanks to PaveXpress, a free web-based pavement design tool for roadway and parking lot pavements.

PaveXpressDesign.com



Reflective Pavements and Urban Heat Island

Reflective pavements can help reduce urban heat island effects, which can reduce energy costs and improve air quality. Reflective pavements can also help reduce road surface temperatures, which can improve road safety and reduce road maintenance costs.

REFLECTIVE PAVEMENTS CAN HELP REDUCE URBAN HEAT ISLAND EFFECTS

Benefit	Impact
Reduces energy costs	Reflective pavements can help reduce energy costs by up to 10%.
Improves air quality	Reflective pavements can help reduce air pollution by up to 10%.
Reduces road surface temperatures	Reflective pavements can help reduce road surface temperatures by up to 10%.
Improves road safety	Reflective pavements can help improve road safety by up to 10%.
Reduces road maintenance costs	Reflective pavements can help reduce road maintenance costs by up to 10%.

Why Should Customers Use IRI Explorer?

IRI Explorer analyzes road data, and provides customers reports to suit your needs.

FOR BEST PERFORMANCE
IRI Explorer.com

IRI Explorer.com



PEC Research Communications

Competitive Advantages



SMOOTHNESS



NOISE



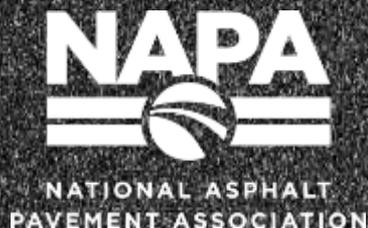
SAFETY



SUSTAINABILITY



CONSTRUCTION



Drivability Program (Brand Management)



- Bridges National and State Efforts
- Providing Resources
- Connects With Experts
- Communicates Local Needs

The APA is an partnership of the Asphalt Institute, National Asphalt Pavement Association, and the State Asphalt Pavement Associations.



National Director
Amy Miller, P.E.

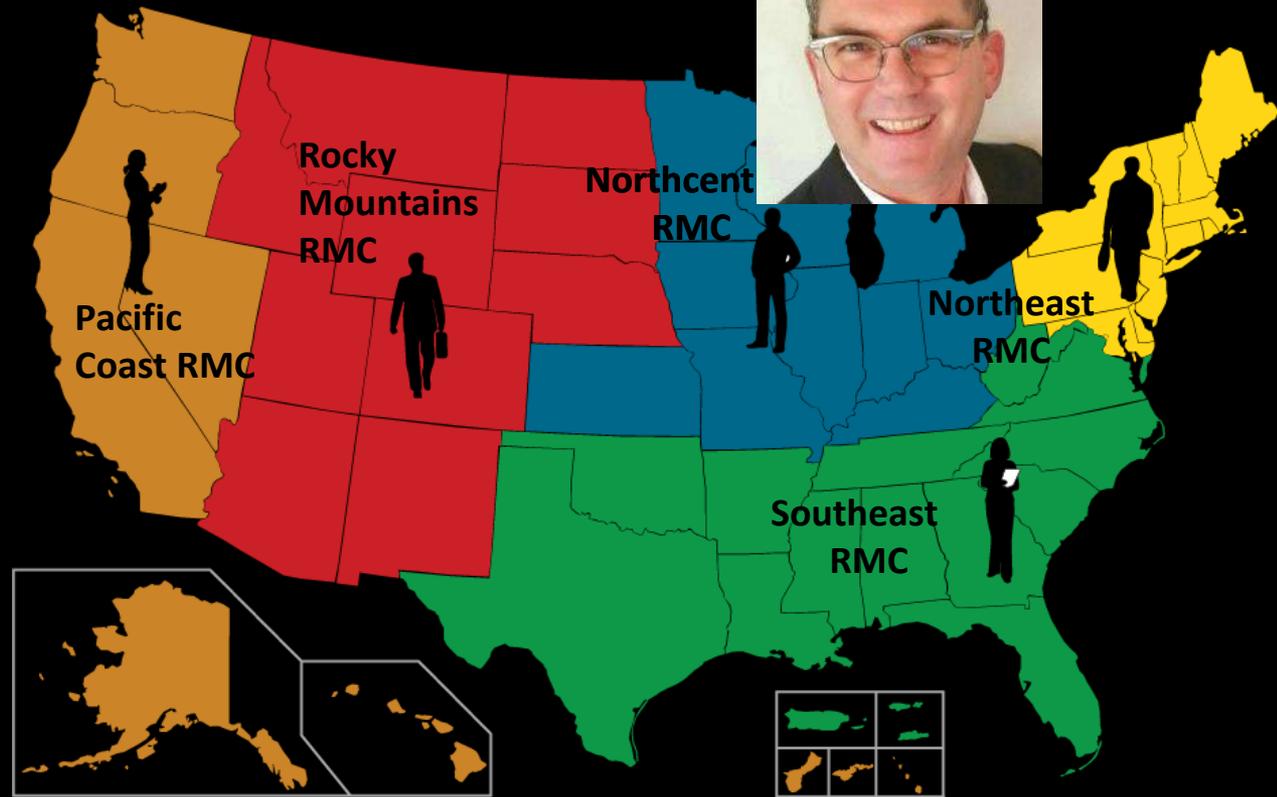


National Deployment

Dan Staebell



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



Regional Marketing Councils

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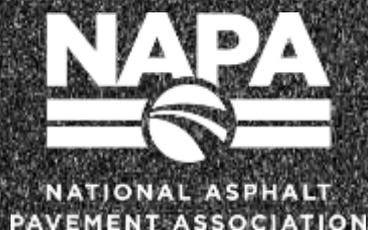
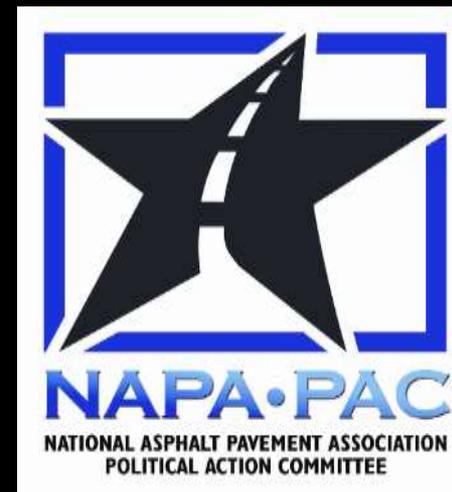
Provide High Value Member Services

- FY 2018 Highway Funding
- Trump Infrastructure Plan
- Federal Aviation Administration Reauthorization
- Advocate for pavement neutrality and state autonomy on pavement-type selection and pavement design issues



Contribute to the NAPA PAC

- The NAPA PAC:
 - Is the only political action committee in Washington, D.C., representing the asphalt industry before Congress
 - Focuses on electing and re-electing members of Congress who understand and support the asphalt pavement industry
 - Maximizes the asphalt industry's political muscle and strengthens our collective voice



The NAPA PAC

2018 TCC FLY-IN

MAY 15-17, 2018



TCC Legislative Fly-In

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ARTBA Transportation Development Foundation

Online Training

- Backovers/Runovers
- Internal/External Traffic Controls
- Differentiated Content
- Launching 2018



Work Zone Safety Training

OVERVIEW

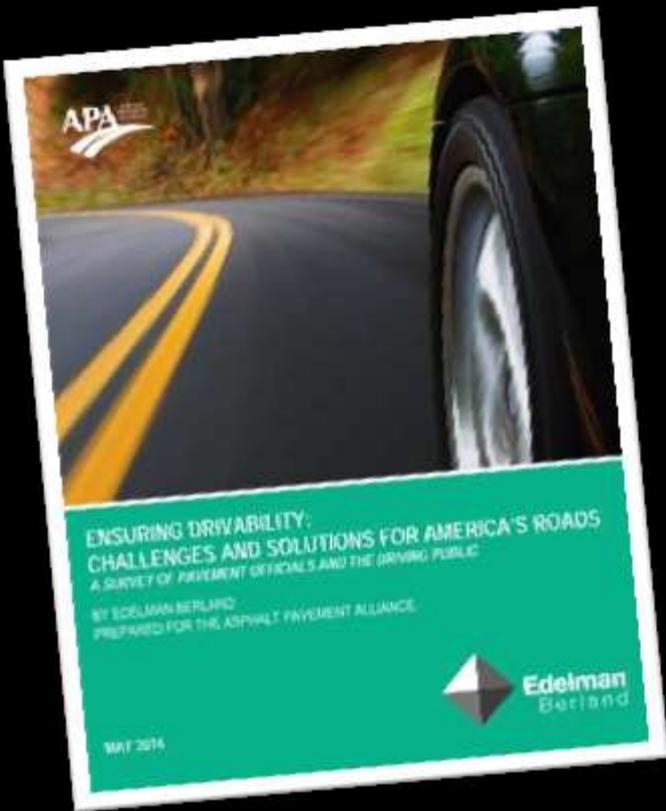
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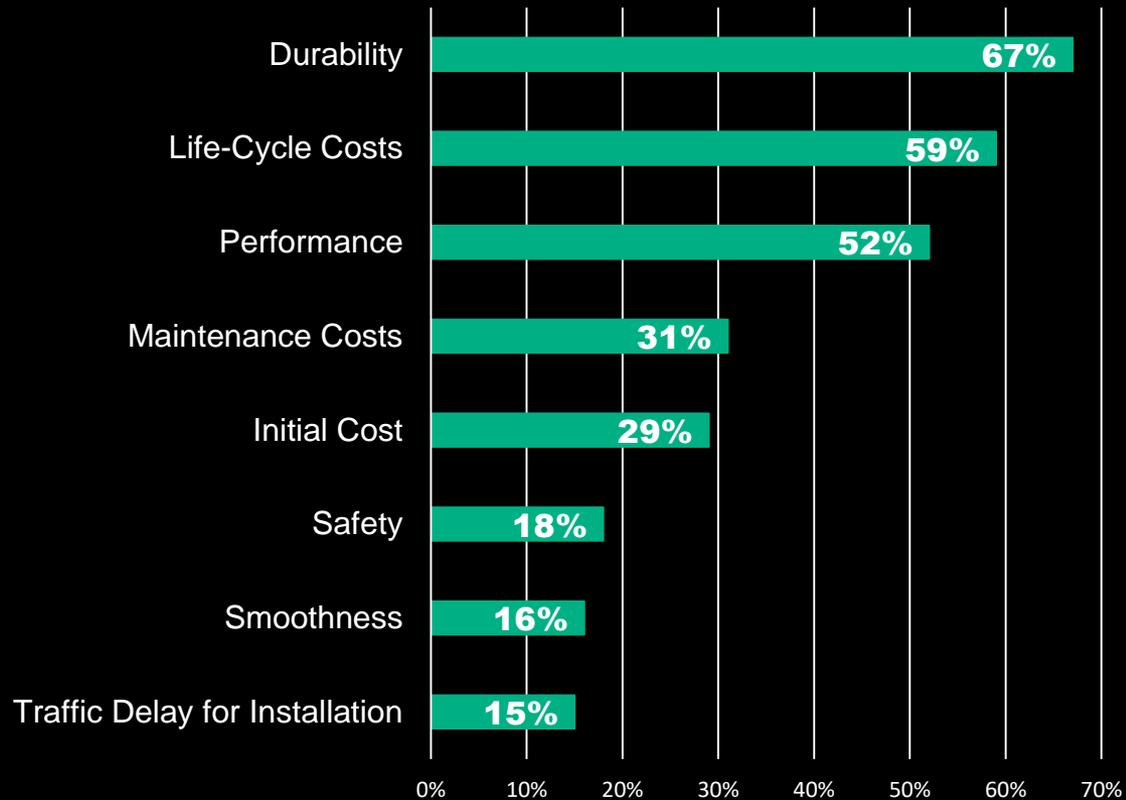
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Road Owner's Top-Three Priorities



Pavement Performance

The Issues

Long-term funding and lack of proper funding for preservation and maintenance

Possible dry mixtures with low asphalt content

Construction practices, lack of inspection, and need for training.

The Strategy

Pavement Performance Task Group

Issues and Industry Strategies

Partnerships

Recommendations for Ensuring Durability

The Focus

Refocused Engineering Committee

Focus on Durability in Partnership with FHWA & SAPAs

Rethinking Asphalt Mixture Design & Simplifying Specifications

TRB Workshop

NAPA Workshop

FHWA Task Group

A performance-based system based on engineered solutions for the pavement industry, eventually replacing the current recipe or method-based specification system.

But for now, the focus is on “balanced” mix design.



Where Is This Headed?

Back to Basics Asphalt

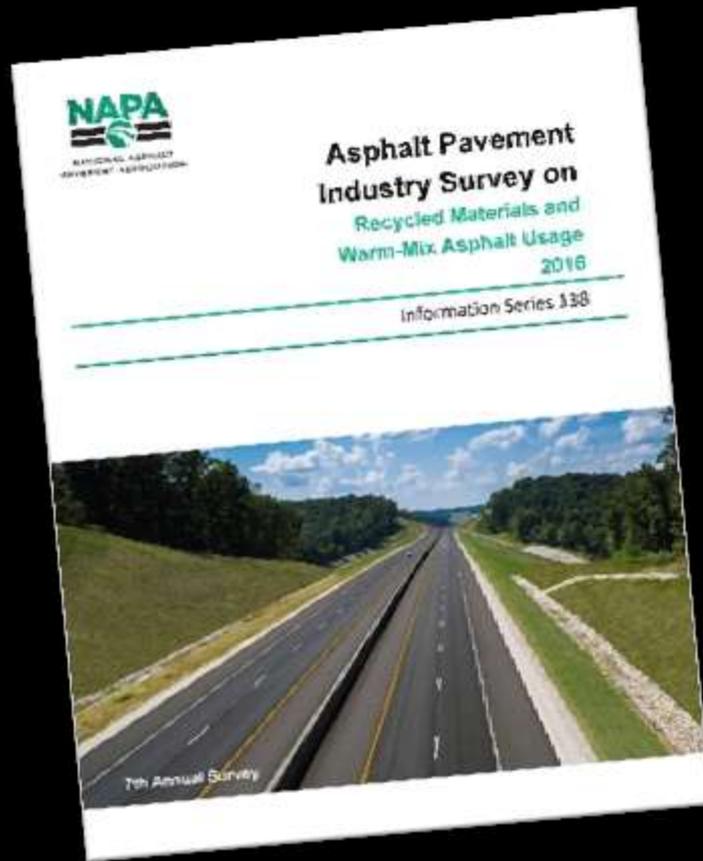
13 Webinars — 19.5 PDHs

From Materials and Mix Design to
Construction and Maintenance

Available for On-Demand Use



www.AsphaltPavement.org/webinar



www.AsphaltPavement.org/recycling



Annual Industry Survey

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Programs at NAPA



Diamond
Commendations



Quality in Construction
Operational Excellence

Environmental Facts

Functional Unit: 1 metric ton of Asphalt Cement

Primary Energy Demand (MJ)	4.0×10 ³
<i>Non-Renewable Energy (MJ)</i>	3.9×10 ³
<i>Renewable Energy (MJ)</i>	5.5×10 ¹
Global Warming Potential (kg CO₂eq)	79
Acidification Potential (kg SO₂eq)	0.23
Eutropication Potential (kg Neq)	0.012
Ozone Depletion Potential (kg CFC-11eq)	7.3×10 ⁻⁹
Smog Potential (kg O₂eq)	4.4

Boundaries: Cradle-to-Gate

Company: XYZ Asphalt

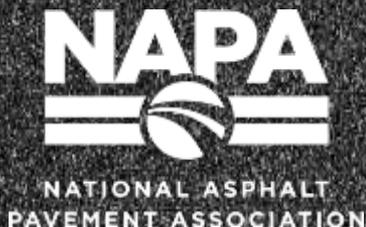
RAP: 10%

Emerald

ECO LABEL



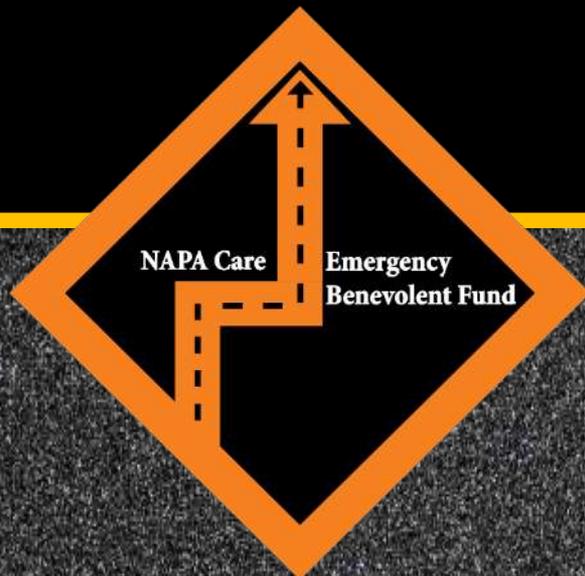
www.AsphaltPavement.org/EPDs



Environmental Product Declarations

NAPA Care Benevolent Fund

- Provides an immediate, tax-free benefit of \$5,000 to the family of a NAPA member company employee fatally injured on the job.
- Since 2012, 27 families have received the benefit to use on any expenses they incur during this tragic time in their lives.
- In 2017, the generous support of NAPA members permanently endowed the program.



**NAPA Research &
Education Foundation**

THE 1st INTERNATIONAL CONFERENCE ON
STONE MATRIX ASPHALT



Nov. 5-7, 2018 ■ Atlanta

www.AsphaltPavement.org/SMAconference



Stone Matrix Asphalt
Conference

STRENGTHEN YOUR COMPANY & THE INDUSTRY

NAPA is the premiere voice for the asphalt pavement industry, exclusively representing pavement material producers and pavement contractors before Congress, government agencies, and other national trade and business organizations.

NAPA supports an active research program designed to answer engineering questions and environmental issues, as well as to improve the quality of asphalt pavements and paving techniques for members.

www.AsphaltPavement.org/JoinNAPA

BY JOINING NAPA, YOU:

- **Expand your staff** with direct access to engineering, environmental, health & safety, legislative, and communications professionals
- **Get ahead of the innovation curve** with advance knowledge of new technologies, techniques, and practices that improve product quality and operational efficiency
- **Protect your investment** in your company from competitive and regulatory threats

LESS THAN 2¢ PER TON

NAPA membership dues should be considered part of your operational costs, not overhead.

It costs less than 2¢ per ton to stay smarter than the competition and to perform at the level you should.



T H A N K
Y O U
V E R Y
M U C H