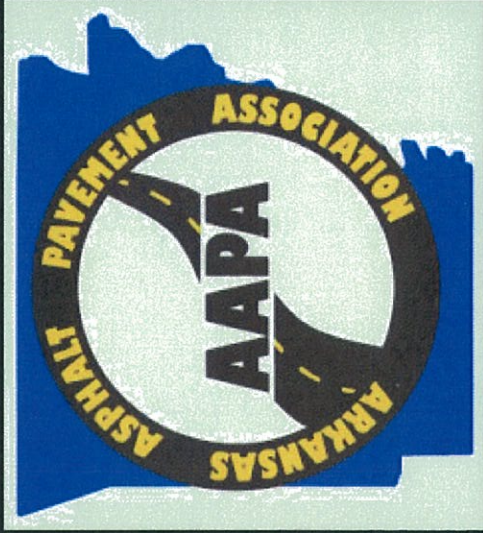


Attachment 1



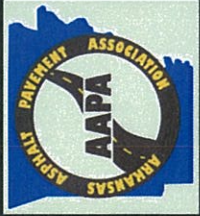
Special Presentation for the joint meeting of
Senate Committee on Transportation, Technology and Legislative Affairs
House Committee on Public Transportation

March 28th, 2012

Guy Washburn – Executive Director
Arkansas Asphalt Pavement Association

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AAPA Members

- Hot-Mix Asphalt Producers
- Asphalt Paving Contractors
- Aggregate Producers
- Asphalt Refiners / Merchandisers
- Associate Members

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AAPA Board of Directors

Officers

Park Estes, Chairman
APAC Central, Inc.
Fort Smith, AR

Tim Gorman, Vice Chairman
Rogers Group, Inc.
Conway, AR

Benson Cashion, Secretary/Treasurer
The Cashion Company
Little Rock, AR

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AAPA Board of Directors

Directors

Butch Case - Vulcan Materials Co.

Rick Christian – Salt Creek Paving & Construction

Steve Cranford - Cranford Construction Co.

Steve Forsgren - Forsgren, Inc.

Mark Lamberth - Atlas Asphalt, Inc. (*AGC Representative*)

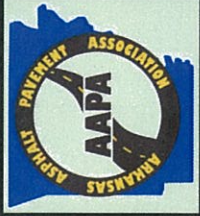
Ric Neubert - Delta Asphalt of Arkansas (*NAPA Representative*)

Steve Thweatt - Lion Oil Company

Harold Townsend - Time Striping, Inc.

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Goals of the AAPA

- Quality asphalt through communication, design, research and education.
- Industry support nationwide through NAPA and APA.
- Liaison to peer groups: ACG, ASCE, Asphalt Institute, etc.
- Governmental liaison to City, County, State and Federal on education concerning benefits of asphalt usage.

The AAPA Provides training conferences with an emphasis on Research, Design and transfer.



Commitment to Education

The AAPA strongly supports the University of Arkansas
Department of Civil Engineering

- Professor Kevin Hall, Ph.D., P.E.
- Student Scholarships (approximately \$70,000 to date)
- AAPA partner's with the University on research projects
- Education Outreach
 - U of A Center for Training Transportation Professionals(CTTP)
 - provides support on technical issues and training

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Agency / Industry Partnership

PARTNERING AGREEMENT



- Ensure safety for the public and our employees.
- Promote Quality Asphalt Pavements through improvements in Design, Construction and Pavement Preservation practices.
- Communication and education through proactive information sharing.
- Professional relationships of mutual trust and respect.
- Continue to research and encourage the appropriate use of recycled materials and other sustainable practices by using sound science to analyze potential long term performance, environmental, and economic benefits.
- Recognize that Joint Committees and Task Forces are an established method of working together to achieve the previously stated mutually agreed upon goals and objectives.
- Continue to explore, implement, and utilize Joint Committees or Task Forces to help provide the State and the citizens of Arkansas with the best products and facilities possible.

We, the delegates of the Arkansas Department of Transportation and the Arkansas Asphalt Pavement Association, do hereby agree to a partnership between our organizations to promote quality Asphalt Pavement.

- Ensure safety
- Promote Quality Asphalt Pavement Practices
- Communicate
- Professional
- Continue to research and encourage the appropriate use of recycled materials and other sustainable practices by using sound science to analyze potential long term performance, environmental, and economic benefits.
- Recognize that Joint Committees and Task Forces are an established method of working together to achieve the previously stated mutually agreed upon goals and objectives.
- Continue to explore, implement, and utilize Joint Committees or Task Forces to help provide the State and the citizens of Arkansas with the best products and facilities possible.

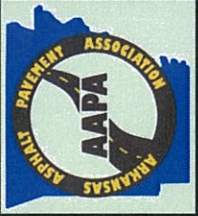
Agreed to this _____ day of _____, 20____.


R. Madison Murphy, Chairman
Arkansas State Highway Commission


Scott E. Bennett, Director
Arkansas State Highway & Trans. Department


Guy Washburn, Executive Director
Arkansas Asphalt Pavement Association

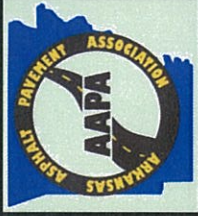
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The Asphalt Industry is Committed to Economic and Environmental Sustainability

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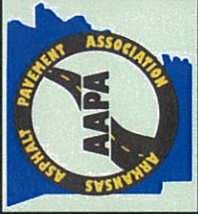


Economic & Environmental Sustainability

- Technologically Advanced Asphalt
- Asphalt Pavements Are **GREEN**.
- Use of Recycled Materials
- 100% R E U S A B L E
- Proven to Last A Lifetime

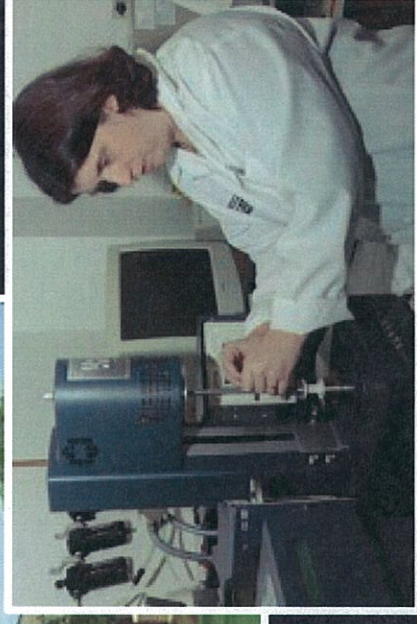
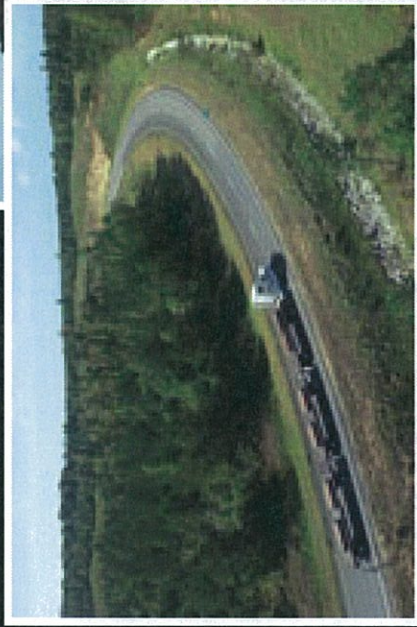
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Advancements in Asphalt Technology

National Center for Asphalt Technology (NCAT)
Auburn University



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EPA Delisting of HMA Plants

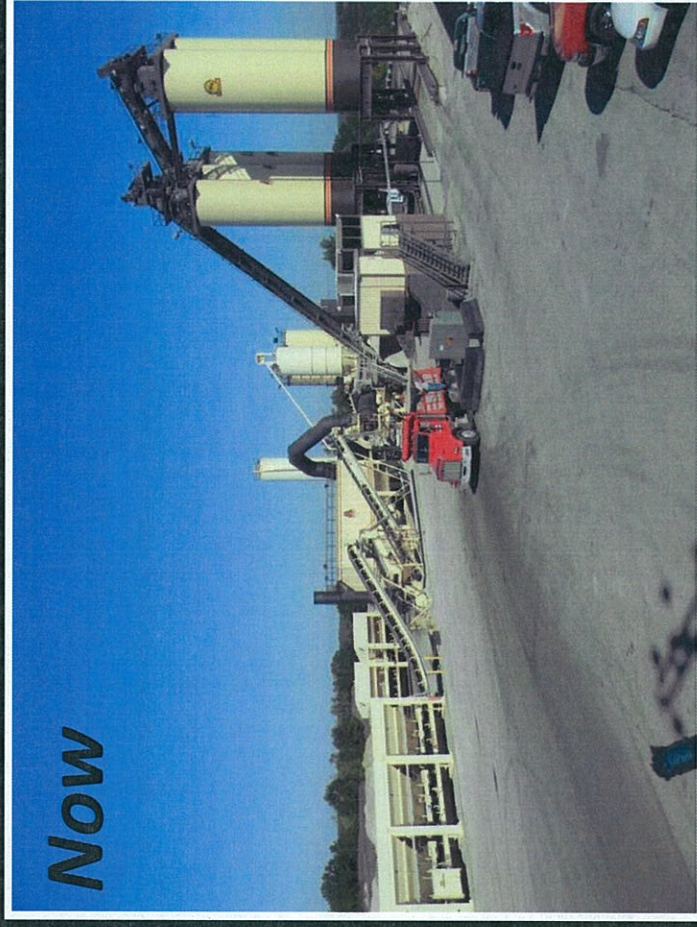
"...no HMA plant has potential to be a major source of hazardous air pollutants."

1970 – 1999:

- Total Emissions Reduced 97%
- Production Increased 250%



Then

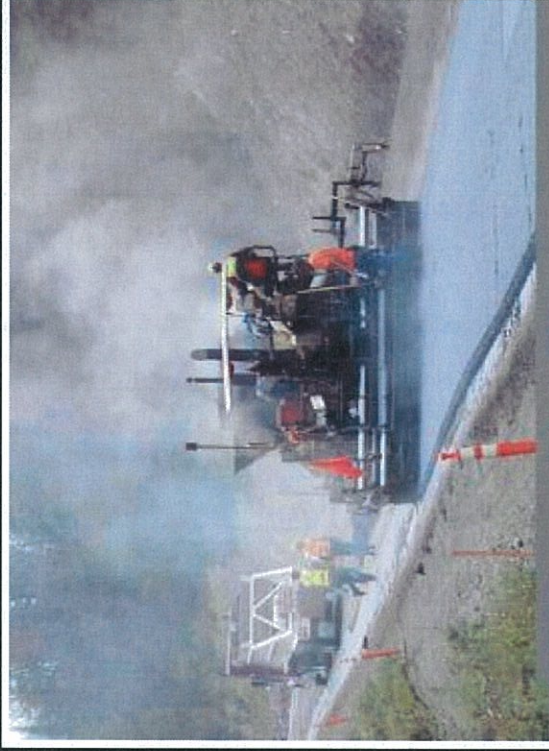


Now

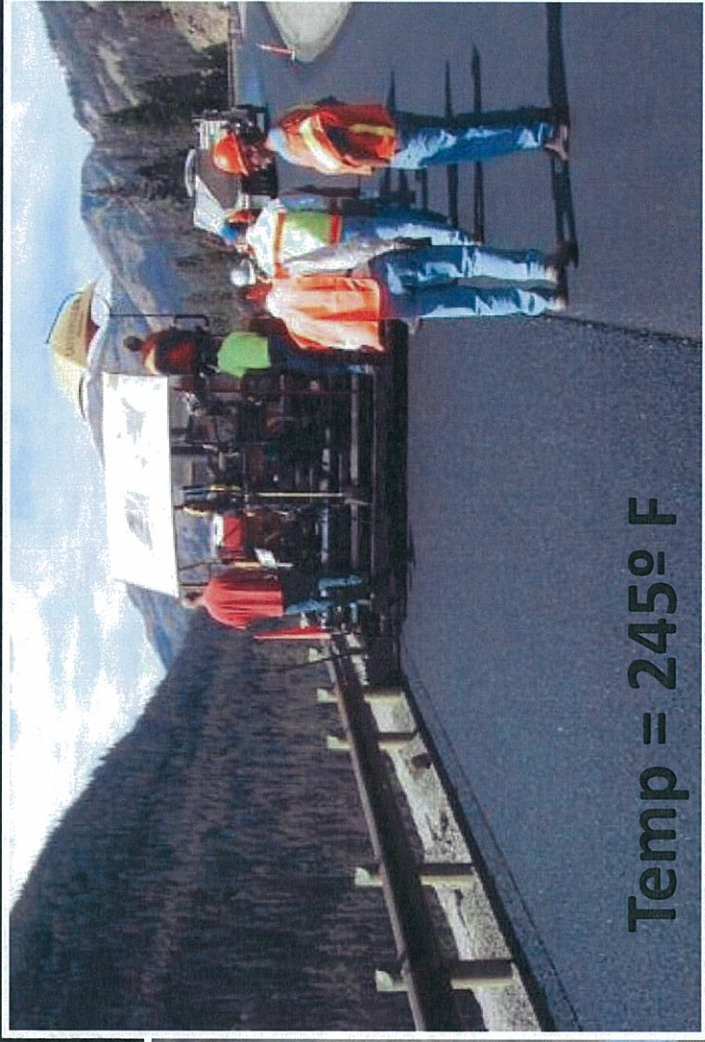


Warm-Mix Asphalt

- Reduced Mixing temperatures (50°-100° F)



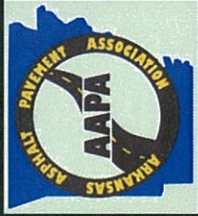
Temp = 320° F



Temp = 245° F

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Use of Reclaimed Materials

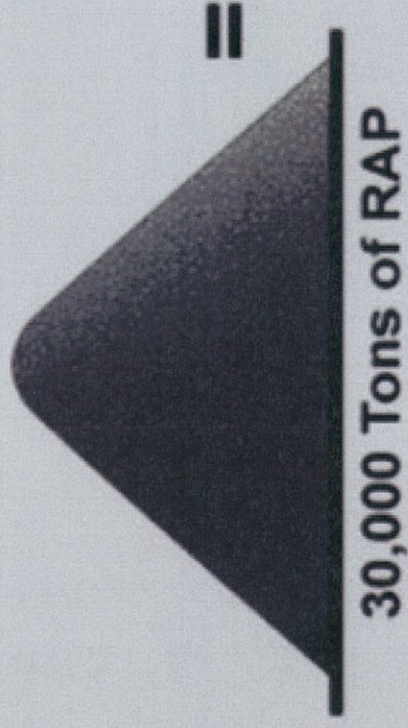
- Recycled Asphalt Pavement (RAP)
- Asphalt Roofing Shingles (RAS)
- Crumb / Tire Rubber
- Glass
- Slag
- Foundry Sand



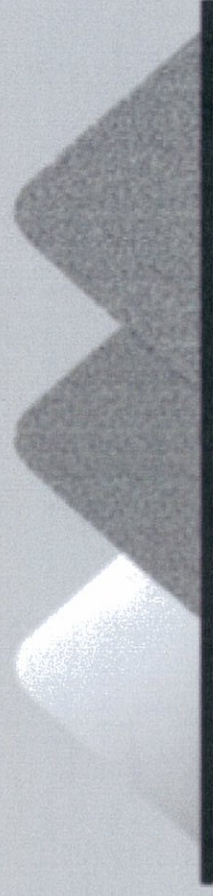
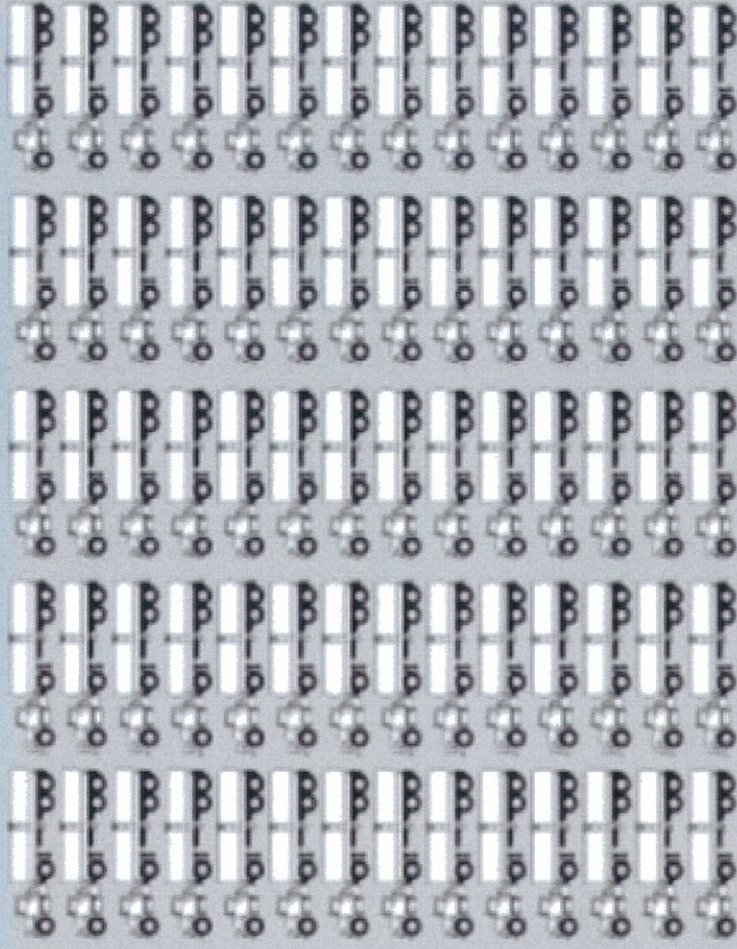
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Recycling of Asphalt Pavement



=



Recycling of Asphalt Pavement

- Significant Reduction in Greenhouse Gas Emissions
- Recently average ~ 12.5% nationwide.
- Increased to 25% = 10% reduction in GHG.
(= 2,000,000 Tons of GHG Annually!)



Perpetual Pavements

(3) SMA, OGFC or SUPERPAVE

(2) High Modulus
Rut Resistant Asphalt

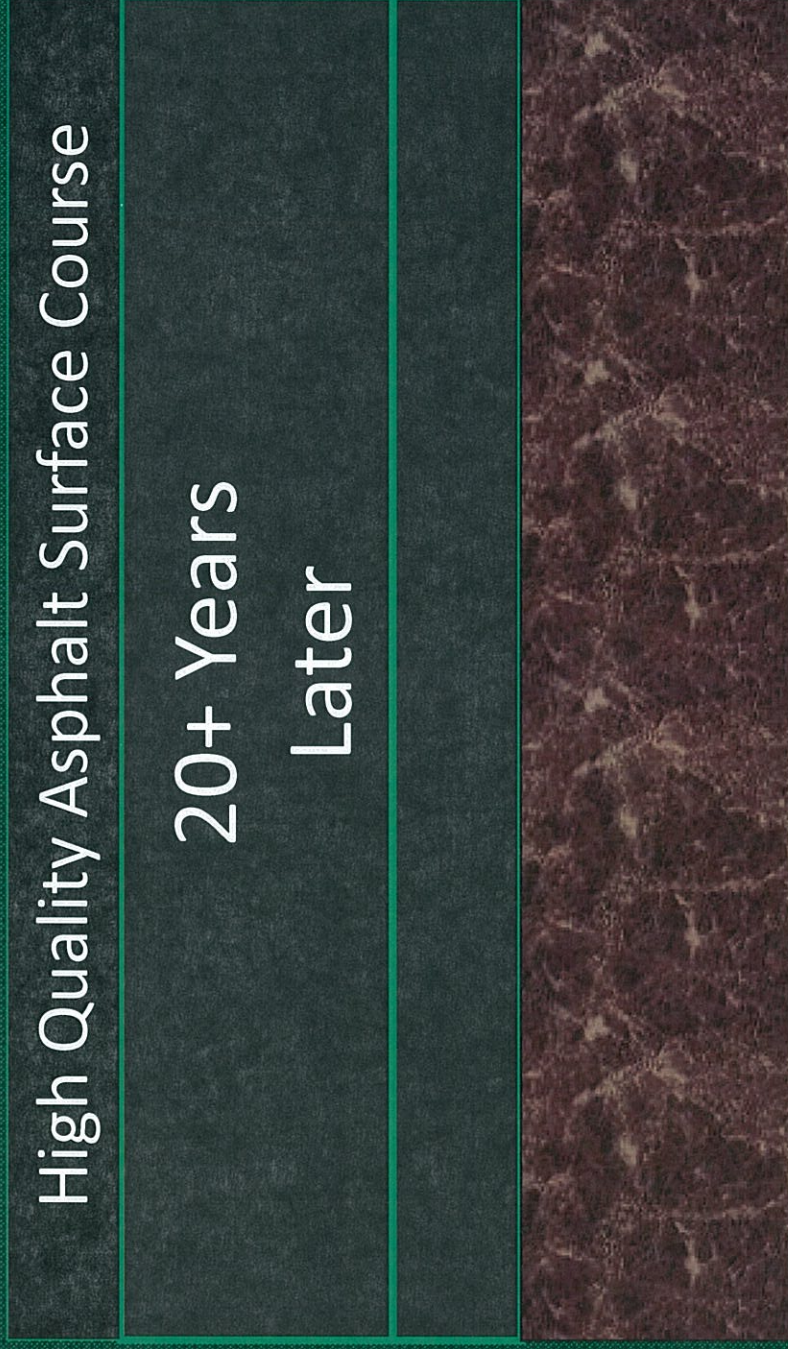
(1) Flexible Fatigue Resistant Asphalt

Pavement Foundation



Perpetual Pavements

Structure Remains Intact



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Perpetual Pavement Award

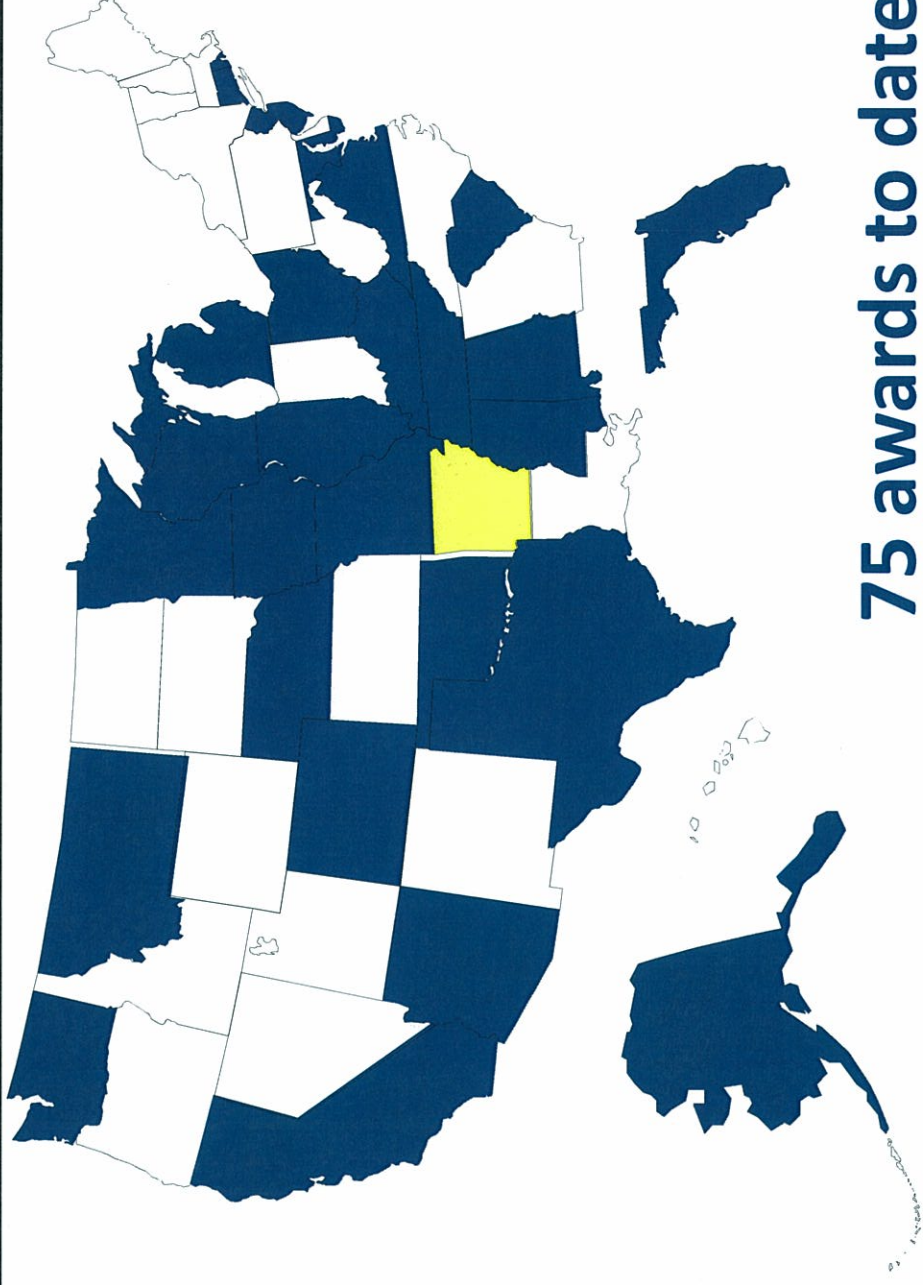


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States that have won Perpetual Pavement Awards from 2001 to 2010

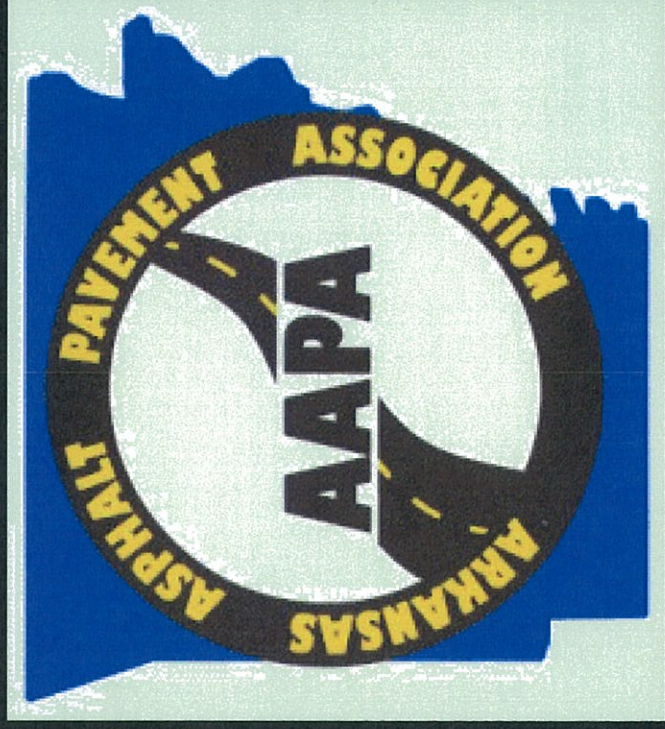
Alabama - 3
Alaska - 1
Arizona - 1
Arkansas - 2
California - 2
Colorado - 1
Connecticut - 2
Florida - 1
Illinois - 1
Iowa - 1
Kentucky - 3
Maryland - 4
Michigan - 2
Minnesota - 9
Mississippi - 4
Missouri - 4
Montana - 3
Nebraska - 3
New Jersey - 2
Ohio - 3
Oklahoma - 3
Rhode Island - 1
South Carolina - 4
Tennessee - 8
Texas - 2
Virginia - 1
Washington - 2
Wisconsin - 1
Toronto, Canada - 1



75 awards to date

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www.araspphalt.com

*Guy Washburn – Executive Director
Arkansas Asphalt Pavement Association*

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