



# **RECAP OF THE FUTURE OF PAVEMENT PRESERVATION**

SHARED WITH THE MICHIGAN HIGHWAY MAINTENANCE CONFERENCE

DAVE HENDERSON, PRESIDENT, FP2

**MARCH 25-27, 2025 | ST. LOUIS, MISSOURI**

# THE FUTURE OF PAVEMENT PRESERVATION

- **Who is the Foundation for Pavement Preservation (FP<sup>2</sup>)?**

- **Our Mission:**

- Leading the Advancement of Pavement Preservation and Recycling.

- **We are:**

- Coalition of Industry Representatives & Trade Groups
- Advocate for Important Legislation
- Champion of Research and Implementation

# THE FUTURE OF PAVEMENT PRESERVATION

- **What is The James B. Sorenson Award?**

- Named after Jim Sorenson, FHWA Preservation Pioneer
- Key Criteria:
  - Concept Acceptance by elected officials, general public, employees and industry
  - Program Uniqueness, including benefit documentation such as:
    - Increased useable life
    - New concepts or applications utilized
    - Reduced user delays during construction
    - Decreased frequency of reconstruction or major rehabilitation
  - Demonstration of the Principles:
    - The Right Treatment, on the Right Road, at the Right Time
  - Use of Communication Techniques to keep the public notified about upcoming preservation road work in the area

# THE SORENSEN AWARD

- Lessons Learned from Recent Sorenson Award Winners

Past Winners of The Sorenson Award			
2005 – Los Angeles	2013 – New Hampshire (DOT)	2019 – Moraga, CA	2023 – Pulaski Co., Ark.
2006 – Frederick Co., MD	2014 – Charleston Co., SC	2020 – Lexington, Mass.	<b>2024 – Sheboygan Co., Wis.</b>
2007 – Nashville, TN	2015 – L.A. Bureau of Street	2021 – Elmore Co., Ala.	
2009 – Caltrans	2016 – Ohio DOT	2022 – Polk County, Fla.	

# THE SORENSEN AWARD

## Pulaski County Government receives Sorenson Award for excellence in road maintenance

Wednesday, September 20, 2023



### Pulaski County Government receives Sorenson Award for excellence in road maintenance

PULASKI COUNTY, Ark. (September 20, 2023) – Pulaski County Judge Barry Hyde received the 2023 James B. Sorenson Award for Excellence in



# JAMES B. SORENSON

## 2024 AWARD FOR EXCELLENCE IN PAVEMENT PRESERVATION

SHEBOYGAN COUNTY TRANSPORTATION DEPARTMENT  
HIGHWAY DIVISION

NOMINATED BY



**Bryan Olson**  
Transportation Director at  
Sheboygan County

Asphalt Materials, Inc.



MARCH 25-27, 2025 | ST. LOUIS, MISSOURI



**SHEBOYGAN COUNTY TRANSPORTATION DEPARTMENT**  
**SHEBOYGAN, WI**  
**BRYAN OLSON TRANSPORTATION DIRECTOR**

**MARCH 25-27, 2025 | ST. LOUIS, MISSOURI**

# WHO ARE WE?

- The Sheboygan County Transportation Department – Highway Division is made up of a full time and casual staff of 106 employees with a mission: Creating Safe and Reliable Transportation – Today and Tomorrow.
- The staff maintains 450 miles of County Trunk Highways. They are also responsible for maintenance of an additional 170 miles of State and Interstate Highways and 465 miles of local township roads within Sheboygan County. Together this totals 2,200 lane-miles for a County that ranks 57<sup>th</sup> out of 72 in Wisconsin by area and does not break the top ten for population.



# WHERE IS SHEBOYGAN, WISCONSIN?

- Sheboygan County has a population of just under 120,000 and is located along the eastern side of Wisconsin about half ways in between Milwaukee and Green Bay.
- Known for having nationally and internationally known attractions such as Road America as well as world renowned golf courses: Whistling Straits and Blackwolf Run. With the Kettle Moraine State Forest on the western side of the county and Lake Michigan on the eastern side, Sheboygan County has something for everyone.
- With numerous businesses calling Sheboygan County home such as: Kohler Company, Johnsonville, Sargento, and Acuity to name a few.





Wisconsin is the only state in the United States that has a state statutes designating the County Highway Departments as responsible for maintenance of State and Interstate Highways using county owned equipment and labor. Maintenance items include: such as snow removal and pavement preservation projects like sealcoating to name a few.





- In 2017, The Sheboygan County Board with the support of local businesses, enacted 0.5% sales tax. The tax collected was to be used for transportation needs throughout the county including appropriating a portion money to municipalities each year. For the county, the original understanding was then to use the money to pave **30 miles** a year.
- Over the years the money is being used for not only paving but also seal coating, and full road reconstruction. **In 2024, just over 50 miles** of county trunk roadway was either reconstructed, pulverized and paved, or seal coated.



# ASPHALT PRODUCTION

- In 2024 – Sheboygan County purchased a new asphalt plant.
- The 300 ton an hour plant includes a counterflow drum and rap system designed for up to 40%.



**MARCH 25-27, 2025 | ST. LOUIS, MISSOURI**

# PULVERIZING



- Pulverizing or milling are the preferred methods of paving prep in Sheboygan County.
- Pulverizing allows to shape and grade the base to 3 percent crown with utilizing the existing pavement as base material.
- If the roads are inverted or limited crown then the road gravel is spread down the middle of road prior to pulverizing in order to build center crown without pulling material from the outside edges.

# MILLING



Milling projects utilizing the construction method to increase center crown to a Sheboygan County standard of 3 percent allow proper drainage.



# PAVEMENT PRESERVATION

- UV damage shows as the old saying goes the road has eyes!



# BE PROACTIVE



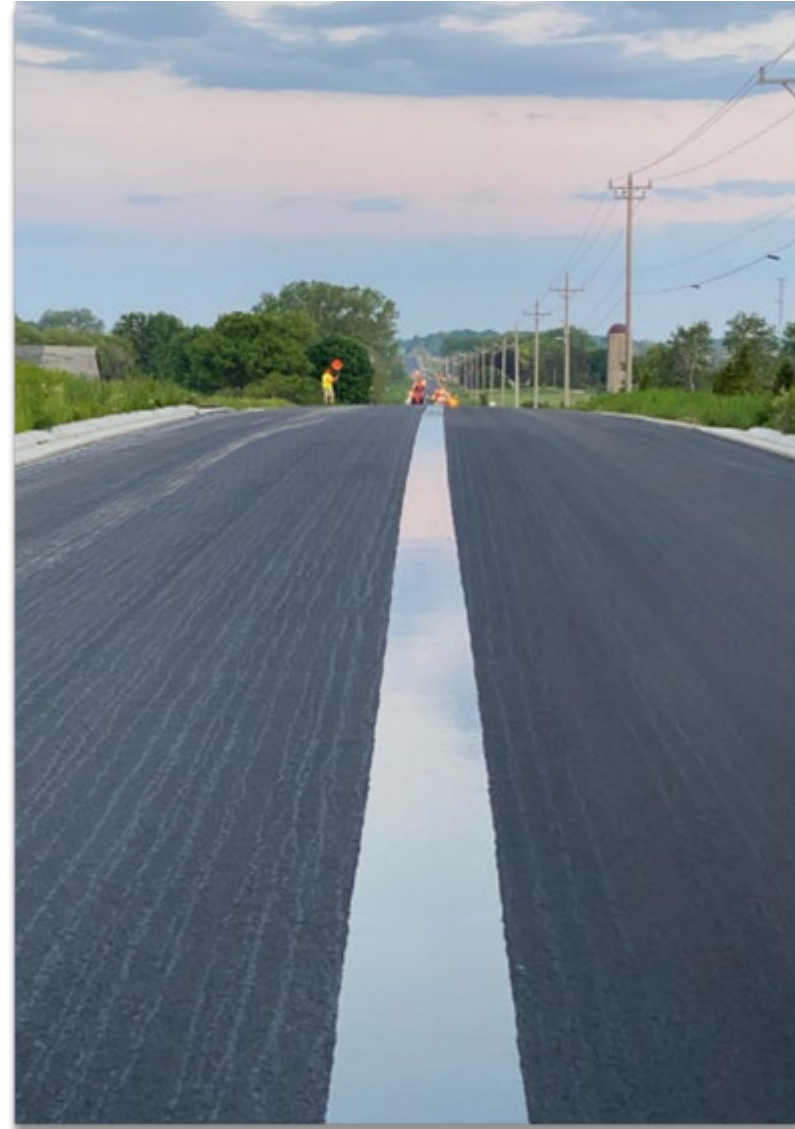
- Pavement preservation starts with being proactive. Putting off preservation and doing the same old, same old just because...does not make it right. Take the first step - no matter how small.

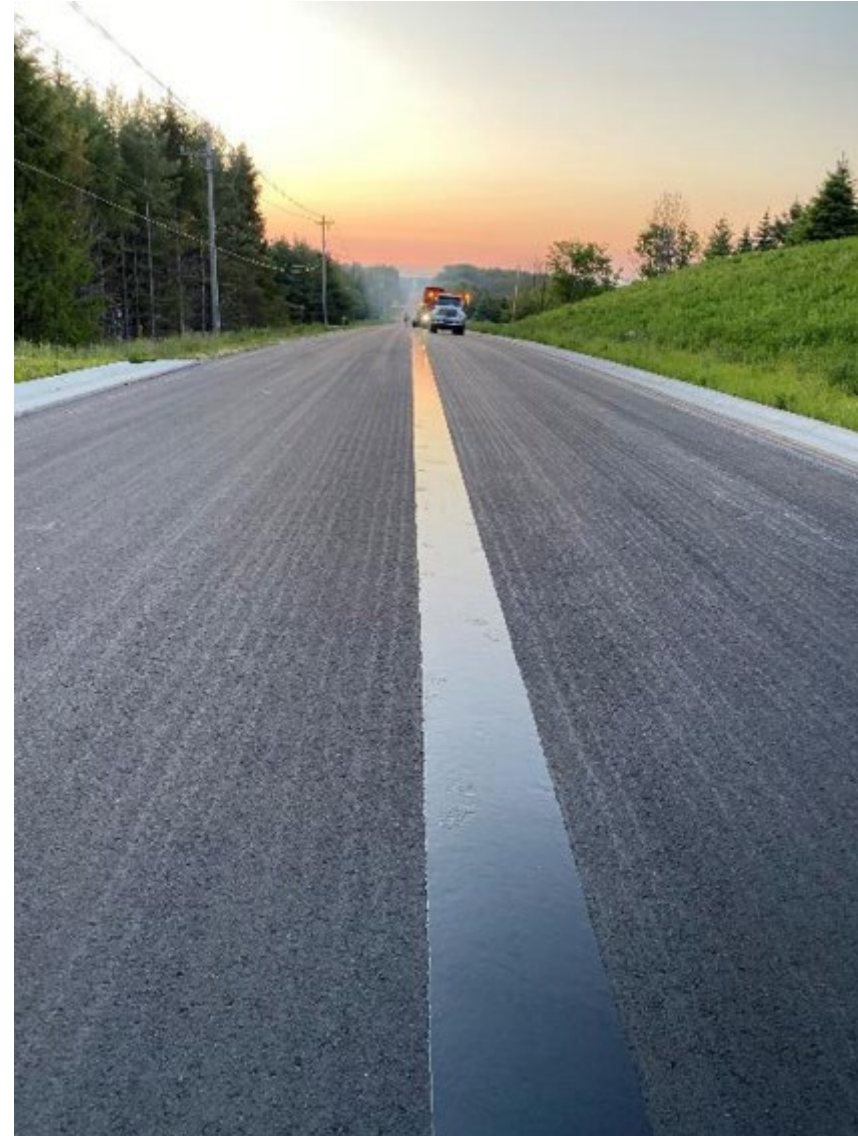


- In 2020 and 2021 the county constructed a “research road” that was named SCOPE: Sheboygan County Operational Pavement Preservation Evaluation. The SCOPE is a **six-mile segment** of County Trunk Highway that the County uses **to place and evaluate** both traditional and new preservation treatments that utilizes live traffic and climate conditions.



- One pavement preservation process that Sheboygan County has utilized is center seam stabilization through the use of the J-Band VRAM product.







- Pavement preservation applications on the scope road have:
  - Fahrner
  - HG Meigs (AMI)
  - Sherwin Industries





# COUNTY HIGHWAY D – AS IT LOOKS TODAY.





# SEALCOATING





- In 2024 – 30 miles of county trunk highway was chip sealed using a 100 percent fractured black granite stone.





- Sealcoating can be multi functional in winter climates. Using black granite which absorbs UV has shown to hold a higher surface temperatures compared to lighter color treatments which reflect UV.





# 2024 JAMES B. SORENSON AWARD SHEBOYGAN COUNTY



# QUESTIONS - ??

# THE SORENSEN AWARD

[< Return to Dashboard](#)

Logged in as: [dhenderson@asphalt-materials.com](#) – [Log Out](#)

## The Future of Pavement Preservation

Event Type:	People, Plants and Paving
Session Title:	The Future of Pavement Preservation
Description:	Pavement preservation programs have grown steadily across the country for many years as a result of a continued effort of industry organizations and through the successful adoption of preservation by more and more agencies. As more agencies see and share the value of pavement preservation, the growth of the industry has and will continue to grow at an increasing rate. This session will feature profiles of the pavement preservation programs of recent award winning agencies from across the country with an emphasis on how they have adopted, implemented, and grown their use of preservation treatments.
Test Agree to terms & conditions:	No
Schedule:	Mar. 27, 2025   8:00 am - 9:30 am   276
Track(s):	Pavement Preservation + Maintenance

### SPEAKERS

Barry Hyde    Bryan Olson    David Henderson

### HANDOUTS

EDIT



MARCH 25-27, 2025 | ST. LOUIS, MISSOURI