

# **FP2 Inc.-What is it?**

**James S. Moulthrop, P.E.**  
**Executive Director**  
**FP<sup>2</sup> Inc.**

**17<sup>th</sup> Annual Conference & Workshop**  
**February 9-11, 2016**  
**Seattle, WA**



# ***Presentation Outline***

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- **What is FP<sup>2</sup> Inc.?**
  - **Mission**
  - **Supporters**
- **Advocacy**
- **Research**
- **Communications**



# ***What is FP<sup>2</sup>***

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- **What is FP<sup>2</sup> Inc?**
  - **An Industry supported trade association**
- **Purpose of FP<sup>2</sup> Inc?**
  - **Promoting the importance of protecting and preserving the huge investment in our nation's pavement infrastructure**



# ***Supporters***

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- **Who supports FP<sup>2</sup> Inc?**
  - **Associations**
  - **Contractors**
  - **Material Suppliers**
  - **Chemical suppliers**
  - **Equipment manufactures**
  - **Consultants**

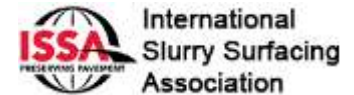


# FP2 Contributors

## Corporate Sponsors



## Sponsoring Associations



# ***What do we do?***

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- **FP<sup>2</sup> Inc. financially supports**
  - **The National Center for Pavement Preservation at Michigan State University**
- **FP<sup>2</sup> Inc. works closely with**
  - **Regional Preservation Centers in California & Texas**
  - **Regional Preservation Partnerships in the Northeast, Southeast, Midwest, and Rocky Mountain West**
  - **Federal Highway Administration**



# ***What do we do?***

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- **Mission**

- **Advocacy**: educate public officials at all levels & involved with legislation.
- **Research**: Funding partner in NCAT 2012 PG study and 2015 NCAT/MN Road PG project
- **Communication**: sponsor key events, publish the Pavement Preservation Journal, distribute educational materials



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# ADVOCACY





# Advocacy Effort

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- FP<sup>2</sup> has a contract with Williams & Jensen to represent the Pavement Preservation (PP) industry
- FP<sup>2</sup> advocated for PP language in MAP 21 and the FAST Act
- Have had many meetings with Transportation committees as well as key Congressmen and staff



# Fixing America's Surface Transportation (FAST) Act

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**FAST Act passed Congress on December 3**

- **5 years**
- **Increases annual federal highway investments from \$40.3 billion to \$46.4 billion by 2020 --a \$20.2 billion increase over 5 years**
- **This equates to a 5.1% increase in formula funds to states in 2016 with annually increases ranging from 2.1-2.4% from 2017 to 2020**



# ***FAST ACT***

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**FAST Act retains program structure and definitional changes enacted in MAP-21 with a few significant changes**

- **Creation of National Freight Program (NFP) –new \$6.2 billion, formula-based funding for projects on the National Highway Freight Network (NHFN)**
- **Nationally Significant Freight & Highway Projects Program - \$900 million per year in large scale grants**
- **Converts STP into a new Surface Transportation Block Grant Program (STBGP)**
- **New Federal Permitting Improvement process**

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# RESEARCH



# 2012 Preservation Summary

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- Crack sealing improves cracking performance
- Differences between route/fill and blow/band
- Scrub seals exhibit both crack & chip seal benefit
- Chip Seal slowed oxidation rate as compared to Control
- Treatments reduce subgrade moisture
- Life extending benefit curves developing nicely
- Extend data collection on Track & Lee Rd 159



# NCAT/MN ROAD Research Partnership

To facilitate high value pavement research that addresses national needs using full-scale pavement testing facilities in both **warm** and **cold** climates on flexible, rigid, and composite pavement structures.



# NCAT Preservation Group Study

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- NCAT partnering with MN Road for the 2015/2016 PG study & FP<sup>2</sup> is a full funding partner
- Completed treatments on US 280 near Auburn for 2015 PP study
- MN DOT locating low & high traffic volume roadways for 2016 work





# 2015 Preservation Group ("PG15")



MnROAD Cells  
(Past and Future)



Minnesota Offsite Sections  
(High and Low Volume)

NCAT Sections



Alabama Offsite Sections  
Lee Road 159 (Low Volume)



US-280 (High Volume)





# 2015 Track Research Sponsors





# US 280

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- A photograph of a multi-lane highway, likely US 280, showing various road treatments. The road surface is dark asphalt with white lane markings. There are green trees and a cloudy sky in the background. The image is used as a background for a list of road treatments.
1. Fog Seal
  2. Rejuvenating Fog Seal
  3. Crack Sealing
  4. Single Layer Chip Seal
  5. Single Layer Chip Seal with Crack Sealing
  6. Triple Layer Chip Seal
  7. Double Layer Chip Seal
  8. Cape Seal (Micro Surface over Single Chip Seal)
  9. Single Layer High Polymer Micro Surface
  10. Single Layer Highly Flexible Micro Surface
  11. Single Layer Micro Surface
  12. Single Layer Micro Surface with Tack
  13. Single Layer Micro Surface with Crack Sealing
  14. Double Layer Micro Surfacing
  15. FiberMat Cape Seal
  16. FiberMat Chip Seal
  17. Scrub Cape Seal
  18. Scrub Seal
  19. Scrub Cape on a Foamed CIR Base



# US 280

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- 20. 4.75 NMAS Thin "Screenings" High ABR Mix on Foamed CIR
  - 21. 4.75 NMAS Thin "Screenings" High ABR Mix on Emulsion CIR
  - 22. 4.75 NMAS Thin "Screenings" High ABR Mix on Foamed CCPR
  - 23. 4.75 NMAS Thin "Screenings" High ABR Mix on Emulsion CCPR
  - 24. 4.75 NMAS Thin "Screenings" High ABR Mix on HIR
  - 25. HMA Cape Seal (4.75 NMAS Thin "Screenings" High ABR Mix over FiberMat Chip Seal)
  - 26. HMA Cape Seal (4.75 NMAS Thin "Screenings" High ABR Mix over Scrub Seal)
  - 27. HMA Cape Seal (4.75 NMAS Thin "Screenings" High ABR Mix over Chip Seal)
  - 28. 4.75 NMAS Thin "Screenings" High ABR Mix
  - 29. 4.75 NMAS Thin "Screenings" High ABR Mix on Crack Sealed Surface
  - 30. 4.75 NMAS Thin "Screenings" High ABR WMA on Crack Sealed Surface
  - 31. 4.75 NMAS Thin "Screenings" High ABR Mix Placed with a Spray Paver
  - 32. 4.75 NMAS Thin "Screenings" High ABR Mix with UltraFuse tack
  - 33. 4.75 NMAS Thin "Screenings" Virgin Mix
  - 34. OGFC on Crack Sealed Surface
  - 35. OGFC Overlay
  - 36. OGFC Overlay with UltraFuse Tack
  - 37. OGFC Overlay Placed with a Spray Paver
  - 38. OGFC Inlay after Micro-Milling



# ***Crack Sealing***

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# ***Verifying Aggregate Application Rate***





# ***Scrub Seal Equipment***



# ***Project Team***

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# FP2 2015 NCAT Contributors



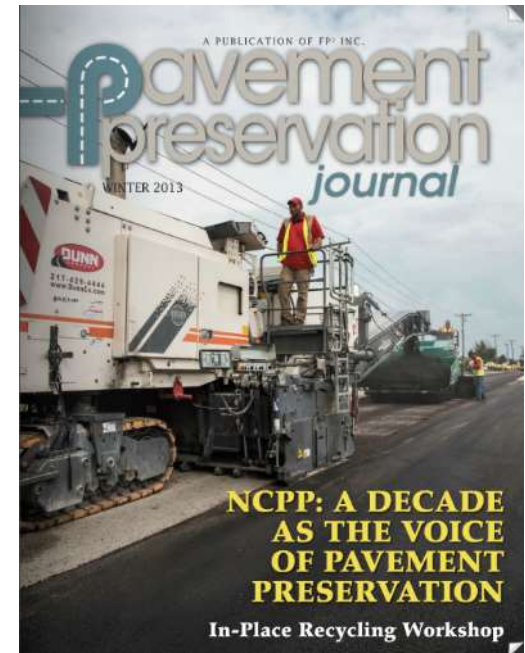
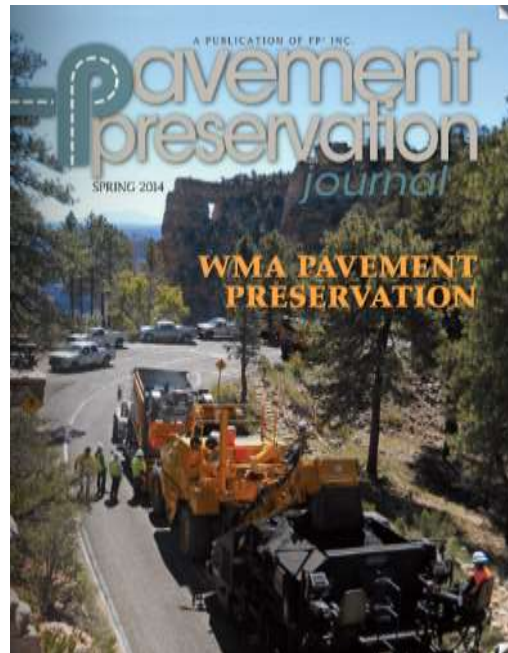


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# COMMUNICATION



# Communication Efforts



- **FP2 Inc. Website – [fp2.org](http://fp2.org)**



# James B. Sorenson Excellence in Preservation Award

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**Jim Sorenson**



# ***Past Sorenson Award Winners***

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- 2005-City of Los Angeles
- 2006-Fredrick County, MD
- 2007-City of Nashville, TN
- 2008-California Department of Transportation
- 2009-Putnam County, NY
- 2013-New Hampshire Department of Transportation
- 2014-Charleston County, SC



# Contact Information

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FOR PAVEMENT PRESERVATION

(512) 970-8865

(866) 862-4587

[jimmoulthrop@gmail.com](mailto:jimmoulthrop@gmail.com)

**James S. Moulthrop, P.E. (PA, AZ)**

Executive Director

FP², Inc.

8100 West Court

Austin, TX 78759

