



Vision for CAPRI

A forum that engages all stakeholders to advance asphalt pavement technologies through the development of **national research needs and implementation strategies.**

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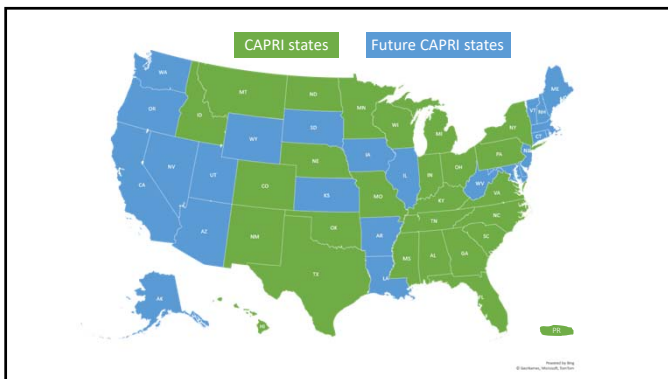
CAPRI – Goals

1. Develop asphalt pavement research needs
2. Provide technical guidance on current and evolving issues
3. Facilitate small-scale studies to address gaps and explore new topics
4. Foster implementation of practical research findings from any source

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Current CAPRI Members

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CAPRI website: www.capriasphalt.us

- Vision
- How to join
- Bylaws and policies
- Organization
 - Executive Committee
 - Subcommittees
- Activities
- Helpful Resources
- Deliverables
- Meetings

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CAPRI Executive Committee

 Eric Biethi Ohio DOT Vice Chair	 Mark Buncher Asphalt Inst. Secretary	 Jim Marszal Flex. Perms. of Ohio	 Jason Blomberg Missouri DOT	 Jon Epps Texas A&M / TTI	 Katherine Erwin Walbec Group
 Leslie Myers FHWA	 David Menching FHWA TPF liaison	 Vince Batista Colorado DOT Treasurer	 Griffin Sullivan Mississippi DOT	 Kate DeCarlo Heritage Research Group	 Richard Willis NAPA Chair

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Subcommittee Roles

Critical Issues

- Identify and prioritize aspects of asphalt pavement performance and sustainability that need to be improved (the Big Picture)
- Identify gaps, hurdles, and unclear aspects in existing policies, procedures and practices

Technology Evaluation

- Identify technologies and processes intended to improve asphalt pavement performance and sustainability
- Identify technology Readiness Levels, gaps in knowledge, barriers to implementation
- Recommend strategies to move prioritized technologies toward implementation

Technology Transfer

- Identify research findings and best practices that are ready for implementation
- Recommend strategies to facilitate the transfer of those technologies into practice.

Research Roadmap

- Assemble recommendations of research and technology transfer needs from other CAPRI subcommittees and other sources
- Prioritize needs, develop research need statements and advocate for funding by appropriate organizations

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Initial Research Database

Priority	Topic	Research Category Area(s)
1	Improving In-Place Density • Technologies, measurements, benefits	Production & Construction/LCCA
2	BMD Implementation • Selecting mix performance tests, validation of BMD threshold, QC/QA variability, rapid testing for performance mix tests, impacts of performance tests on life cycle	Mixture Design/ Production & Construction / LCCA
3	Longitudinal Joint Construction • Effect of construction methods on long-term performance, evaluation of new products (e.g. VRAM, RPE)	Production & Construction
4	Tack Coats • Products and application methods evaluation, bond strength testing	Production & Construction

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Funding Research & Implementation Activities

- Approx. \$600,000 available in 2023
- Subcommittees make recommendations to EC for small-scale studies, implementation activities, &/or technical advisories. Must be approved by majority of the subcommittee members.
- Process outlined in bylaws

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CAPRI – Two-part funding model

- Public sector – pooled-fund for highway agencies
 - \$10,000/year base funding
 - Base funding covers travel for one representative
 - Additional funds may be added for agency directed work
- Private sector – all other organizations
 - \$6000 annual dues
 - Auburn University account
 - Does not include funds for travel
- Funds from both parts are managed the same way

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2023 Research Project

- Guide for BMD field validation studies
- Subcommittee recommended and Executive Committee approved
- March 1 – August 30, 2023
- \$75,000
- NCAT – research team
- Available on CAPRI website

Guidelines and Recommendations for Field Validation of Test Criteria for Balanced Mixture Design (BMD) Implementation

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Focus on a Couple of Topics per Meeting


- Improving In-Place Density
- Improving Longitudinal Joint Performance
- Balanced Mix Design field validation

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CAPRI Meetings

Spring & Fall Meetings

- Oct. 5-6, 2021 @ HRG
- March 10-11, 2022 @ NCAT
- Oct. 12-13, 2022 @ Ingevity
- March 7-8, 2023 @ Astec
- Oct. 11-12, 2023 @ VDOT
- **Mar. 5-6, 2024 @ MSDOT**



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Additional State Directed Funds

- South Carolina DOT
 - SMA research project
 - Support travel for technical meetings
- North Dakota DOT
 - BMD validation study support
- Mississippi DOT
 - Field validation of stabilized layers for MEPDG

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Thank You



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May 7-9, 2024
NCAT TEST TRACK CONFERENCE
AUBURN UNIVERSITY | AUBURN, AL

SAVE
THE
DATE!

