

MTRB Committee on Roadways and Pavements

**Neeraj Buch-Chair
Starr Kohn-Vice Chair
Gary Taylor-EC Rep.**

Committee Membership

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Starr Kohn-Vice Chair
Gary Taylor-EC Rep.

Charles Arnold	Michael Eacker	Robert Risser
Gilbert Baladi	Larry Galehouse	Tom Van Dam
Michelle Barnes	Gale Grove	Chuck VanDeusen
Dave Calabrese	Will Hansen	HC Wu
Karim Chatti	Tom Hynes	Sherif Yehia
Mark Dionise	Rama Pochiraju	
Micaheal Craine		
Roy Townsend		

The Process

- The committee met 4 times over the past 6 months.
- Five task groups were formed.

Task Force	Task Force Chair	Task Force Members
Low and Medium Volume Roads	Starr Kohn	Rama Pochiraju, Gary Taylor
Flexible Pavements and Materials	Chuck VanDeusen	Karim Chatti, Gilbert Baladi, Tom Van Dam
Rigid Pavements and Materials	Robert Risser	Neeraj Buch, Mike Eacker, Chuck Arnold, Tom Van Dam
Soils/Foundation	Tom Hynes	Gilbert Baladi
Pavement Preservation	Larry Galehouse	Gail Grove, Karim Chatti
Vehicle-Pavement Interaction	Karim Chatti and Mark Dionise	Michelle Barnes, Chuck Arnold

The Process

- As a result of these meetings the committee membership:
 - Developed 22 research need statements (RNS);
 - Identified 4 themes or tracks; and
 - Assigned a priority score to each RNS

Themes or Tracks

- Pavement Preservation-4 *RNS*
- Techniques and Processes for Improving Quality and Performance of Pavements-7 *RNS*
- Pavement Design and Performance-6 *RNS*
- Vehicle Pavement Interaction-5 *RNS*

RNS Priority

Priority	Problem Statements
High	Real Time Quality Control
	Evaluating the Readiness of MDOT Pavement Management Data for the New Pavement Design Guide (NCHRP 1-37A) – Flexible Pavements
	Development of a Remaining Service Life for Pavement Smoothness and Ride Quality
	Optimization of Mechanical Load Transfer Devices for Transverse Joints in Jointed Plain Concrete Pavements (JPCP)
	Evaluating the Readiness of MDOT Pavement Management Data for the New Pavement Design Guide (NCHRP 1-37A)-Rigid Pavements
	Effectiveness of Pavement Drainage Systems
	Spring Weight Restrictions
Medium	Low Volume Road Rehabilitation Methods
	SUPERPAVE for Local Roads
	Warm Mix
	Safety Integration with State Pavement Preservation Practices
	Development of Field Investigative Tools to Detect Asphalt Flushing in HMA Surface Treatments
	Development of Field Investigative Tools to Detect Asphalt Hardening in HMA Surfaces
	Non-Density Methods for Embankment Acceptance
	Pavement Distress as a Result of Lift Axle Usage
	How Quiet is Quiet Enough
How Smooth is Smooth Enough	
Early-Age Behavior Jointed Concrete	
Low	Local Agency Specification Interpretation
	Micro Piles or Other Deep Foundations for Roadway Embankments
	The Use of In-Situ Field Test Data to Validate the New Dynamic Load Roughness Index