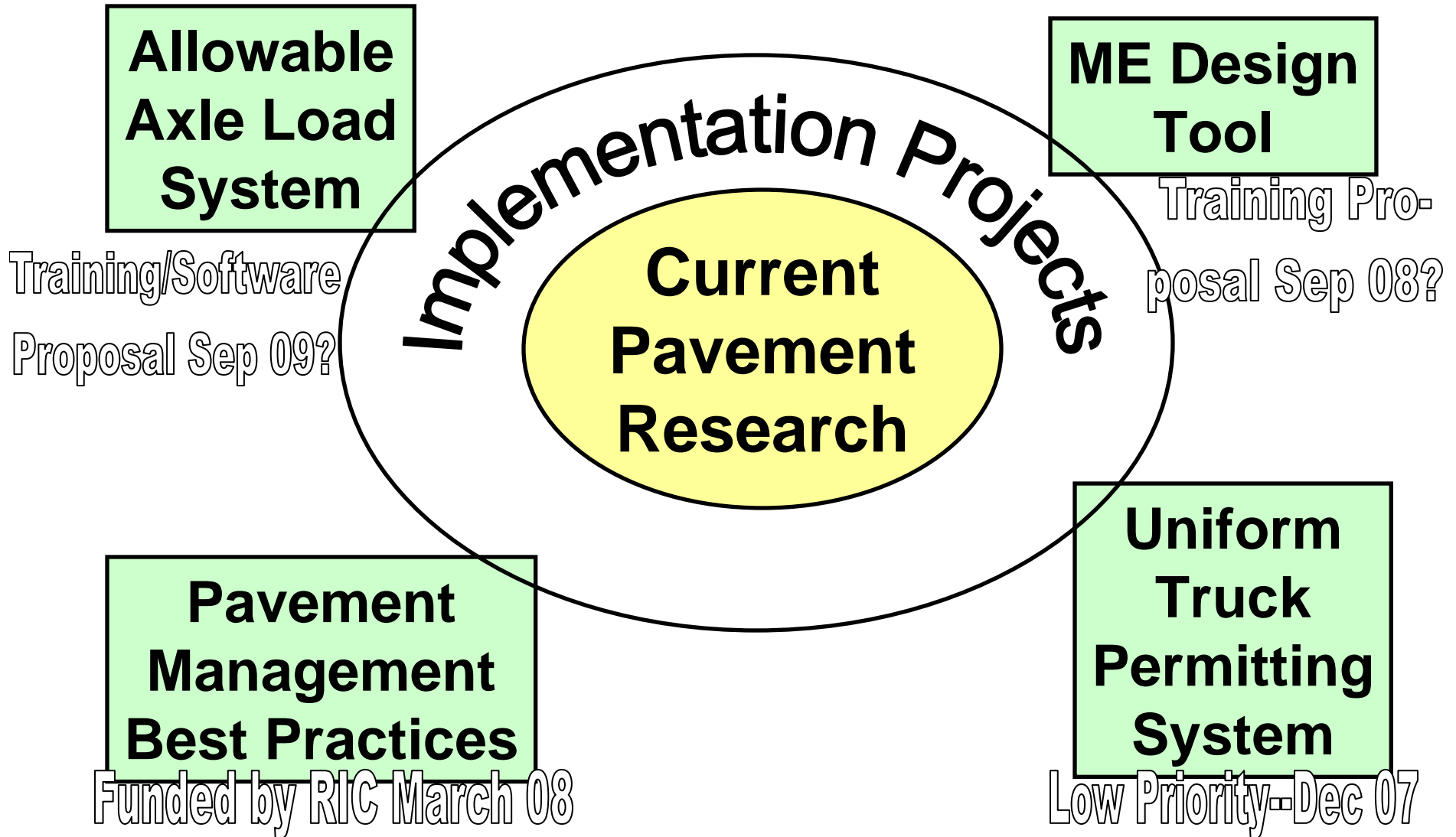


Potential Pavement Products for End Users



What other products should be on the pavement roadmap?

Tell me:
YES,
NO, or
MAYBE SO



	YES MAYBE NO	PRODUCT	NARRATIVE	RELATED PROJECTS and PRODUCTS
A		MnPAVE, Mechanistic Empirical Pavement Design Tool—Training	Part of LRRB pavement roadmap. One-page description handed out at March 08 LRRB meeting. Training based on new Mn/ROAD software which has been calibrated for LVR. For asphalt pavements only.	- INV 828: Local Road Material Properties and Calibration of MnPAVE (Just completed)
B		Trail Pavement Management Best Practices—Guidebook and/or Training	Minnesota's climate affects trails as it affects local roads. As local trail systems age a structured approach can help insure that timely and cost effective steps are taken to preserve trail infrastructures.	- INV 876: Best Preventative Maintenance Treatments for Recreational Trails (to be completed 8/31/09) - Report 2000-04, Best Practices Handbook on Asphalt Pavement Maintenance - DNR Trail Planning, Design & Development Guidelines
C		Subgrade Stabilization Successes and Failures-- Field-based research leading to training and/or information dissemination.	Problem statement (A09PS02) submitted by Lon Aune, Marshall County. Evaluate existing sections using shredded tires, fly ash, geofam, and other by-products to stabilize subgrades. Evaluate effectiveness, cost, life, environmental concerns, constructability, product variability, etc.	- Report 2007-12, Demonstration of Ash Utilization in Low Volume Roads - INV 846 Hydraulic, Mechanical, and Leaching Characteristics of Recycled Materials - INV 809 Research Tracking for Local Roads
D		Performance of Pavement Preservation Techniques— Field-based research to update existing training (RIC task 4)	Short of reconstruction and beyond reactive maintenance, what is the best tool to solve my problem and how do I apply the tool? How have different techniques performed in real world installations and test sections?	Many laboratory studies and Mn/ROAD test sections are recently completed or active.
E		Performance of RAP in AC Pavement Wear Course— Technical Brief	Disseminate the results of Mn/DOT Research.	Mn/DOT Research
F		Deterioration of AC Pavement under Chip Seals—Technical Brief	Cities need to be made aware of the problem and any preventative measures that are known at this time. Local Champion, David Jessup, City of Woodbury	New topic.
G		Investigating Methods to Mitigate Winter Tenting in AC Pavements—Field Research, then Tech Brief	At this point research has found that crack sealing can reduce the roughness and height of tented cracks. This research would evaluate other crack repair methods to mitigate tenting.	- Report 2008-03, Investigation of Winter Pavement Tenting
H		Dust Control for Gravel Roads—Technical Brief and add to CTAP training.	Disseminate the results of INV 842.	- INV 842: Best Practices for Dust Control on Aggregate Surfaced Roads (to be completed 6/5/08) - Gravel Road Maintenance/Dust Control (CTAP class)
I		"Pavement 301" or Pavement Tool Integration—Roadmap (long term plan)	Pavement tools for design, pavement management, & allowable load determination all need data and life cycle models to function. The goal of this effort would be to look for opportunities to integrate such tools. Benefits would be to optimize data collection costs and to increase the effectiveness and consistency of life cycle modeling. All surface types would be included.	To be determined.