

### **Flexible Pavement Technical Oversight Committee Research Plan (5 year)**

The current five-year plan for flexible pavement research focuses on improving the design, construction and performance of long-lived, quality hot mix asphalt (HMA) pavements in Wisconsin. Research to be advanced during 2005 - 2010 includes projects related to:

- 1) Implementation of the mechanistic-empirical design procedures developed under NCHRP Project 1-37A in conjunction with WisDOT instate studies.
- 2) a) Development of improved guidelines for the selection and testing of HMA paving materials, including asphalt binders, additives, aggregates and recycled materials.  
  
b) Increase movement towards performance-based test methods and guidelines for new HMA paving methods and materials (ex: subgrade stabilization, rich bottom layer structures, crack inhibiting fabrics, etc).
- 3) Grow regional partnerships with surrounding states.
- 4) Become a "lead state" to leverage research expenditures and enhance regional partnerships by expanding the applicability of research results (via pooled fund studies or other mechanisms).
- 5) Develop recommendations for determining preventive maintenance costs by quantifying actual expenses of specific pavement maintenance strategies.

*Revised 3/18/2005*