

# National Concrete Pavement Technology Center



**National Concrete Consortium**  
**Rapid City, South Dakota**  
**September 13-15, 2011**

**IOWA STATE  
UNIVERSITY**

# Premature Deterioration of Concrete Pavement Joints

- Overview of Research Efforts
  - TPF – 5(224)
    - Builds upon SD2002-01
    - ISU, Michigan Tech, Purdue
    - (7 states: IA, IN, MI, MN, NY, SD, WI)
    - Funding: States \$420k, CP Tech \$450k, ACPA \$20k, PCA \$20k, Chapters \$60k
  
  - Proposed fundamental study of air and permeability requirements
    - Proposal to RMC Foundation

# Premature Deterioration of Concrete Pavement Joints

- Overview of Technical Support Plan
  - Develop Interim Technical Resource on mitigation strategies and prevention
  - Develop Interim Guidance on where concrete overlays are of good solution
    - Need 3 state volunteers (Kansas + ?)
  - Support State Chapters with workshop training for municipal engineers
    - Funded through grant by RMC Foundation
    - 4<sup>th</sup> Quarter '11 and 1<sup>st</sup> & 2<sup>nd</sup> Quarters '12

# Premature Deterioration of Concrete Pavement Joints

- Overview of Technical Support Plan
  - On-Call expert teams to assist with direct technical support especially for municipal areas
    - Need and approach will be considered after state workshops

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[www.cptechcenter.org](http://www.cptechcenter.org)

