What is Pavement Preservation?

Deployment of Enhanced Pavement Management System (IPMS)

Integration of Pavement Management with Maintenance Activities

New Condition Data Collection Efforts

Current Road Conditions
What is Pavement Preservation?
Applying the Right Fix at the Right Time

- Pavement Management is used to determine possible treatments for:
  - A given set of conditions
  - A given level of funding

Deployment of Enhanced Pavement Management System (IPMS)

- Statewide Pavement Management System
  - Customized for Indiana and updatable by INDOT
  - Suggests possible pavement treatments based on condition and various models
  - Prioritizes projects and develops construction programs based on possible funding levels
  - Shows the long-term effect of funding changes
  - Intranet based delivery of information
Integration of Pavement Management with Maintenance Activities

- Maintenance Data Integrated with IPMS
  - Maintenance activities tied to locations
  - Useful in determining effective treatments
- Maintenance Activities
  - Preventative Maintenance
    - Crack Sealing, Chip Seal
  - Reactive Maintenance
    - Shallow or Full Depth Patching
- Pavement Management and Maintenance Management working together on the processes

New Condition Data Collection Efforts

- Network Level Structural Data
  - Falling Weight Deflector-(FWD)
    - Will be starting this year
  - Rolling Weight Deflector-(RWD)
    - In development for network level data collection
- New Data Collection Contract
  - Videolog, IRI, PCR, Texture data
  - Improve computer network access
- Friction/Texture Data
  - Study the relationship between friction & texture
  - Develop indexes for use in Pavement Management
Current Road Conditions

Statewide Pavement Condition

2003-2004 Data

- % A-Excellent: 19%
- % B-Good: 22%
- % C-Fair: 19%
- % D-Poor: 13%
- % F-Very Poor: 7%

Interstate Pavement Condition

2004 Data

- % A-Excellent: 62%
- % B-Good: 26%
- % C-Fair: 9%
- % D-Poor: 2%
- % F-Very Poor: 1%