Airport Pavement Maintenance

South Dakota Airport Conference
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Pavement Maintenance

- Why Pavement Maintenance
- Pavement Maintenance Process
- Types of Pavement Maintenance
- Microsurfacing
Why Pavement Maintenance

- Maximize the Life of Pavement Surfaces
- Maintenance vs Reconstruction saves $$$$  
- Keeps you airport pavements in the best condition possible
Pavement Maintenance Process

- Annual Airport Pavement Inspection (Summer)
- Preliminary Pavement Maintenance Recommendation (Fall)
- Meet with Airport Consultants to verify Recommendation (Fall)
- Consultant Selection (Fall)
- Airport Inspection with Consultant (Fall/Winter)
- Final Recommendation (Late Winter)
- Prepare Plans (Winter/Spring)
- Let Project (Spring)
- Award Pavement Maintenance Project (Summer/Fall)
Pavement Maintenance

- Conduct Summer Pavement Inspections
  - Review Pavement Condition Index (PCI)
  - Cracking
  - Oxidization
  - Pavement Markings
  - Recommend Pavement Maintenance based on Distresses

- Manage Annual Statewide Maintenance Project
  - Hire Consultant to Prepare Plans, Bid and Manage Project
  - Ensure project is completed to specifications
Concrete Distresses

Spalling

Cracking

Corner Cracking
Concrete Maintenance

Saw and Seal Joints

Saw and Seal Cracks

Spall and Corner Repair
Asphalt Maintenance

Route and Seal

Crack Leveling

Dig out and Replace
Asphalt Oxidization

- Emulsified Seal Coat
- Micro-surfacing
- Pavement Markings