In-Place Recycling in Kansas
KDOT Demographics

- 10,300 mile state system, 26,100 lane miles
- Average 350 projects per year over last 5 years
  - Average $520 million per year on all projects
  - Average $180 million per year on pavement preservation (over 1,200 miles)
State Animal – American Buffalo
KDOT’s Experience with HIPR

- Surface recycle – 2” heat/mill and 1” heat/scarify
- Surface course – chip seals, HMA overlay, bonded wearing course, microsurfacing
- 85 projects over last 5 years, 1,280 miles
  - Total project cost = $144 million
    - Surface recycle + ARA = $79 million
- Remixing job scheduled for 2015
KDOT’s Experience with CIPR

• 4” CIPR using lime/emulsion with ≥ 1.5” HMA overlay
• 5 projects over past 5 years, 56 miles
  • Total project cost - $18.4 million
    • CIPR + lime + emulsion = $5.0 million
KDOT’s Experience with FDR

• No projects let with FDR
• Change ordered on two projects over last 5 years
  • One with 7” FDR – existing HMA base degraded during construction
  • Other with 12” FDR – existing HMA base in poor condition
• Cement Stabilized