

# Overcoming Obstacles with Preservation



# Goal: Maintaining your Roads

## **Past/Present Obstacles to Face**

- Public Perception
- Contractor Buy-In
- KYTC Knowledge

## **Future Obstacles to Overcome**

- Material/Production Costs
- Stagnant Budgets
- Road Conditions

# Public Perception

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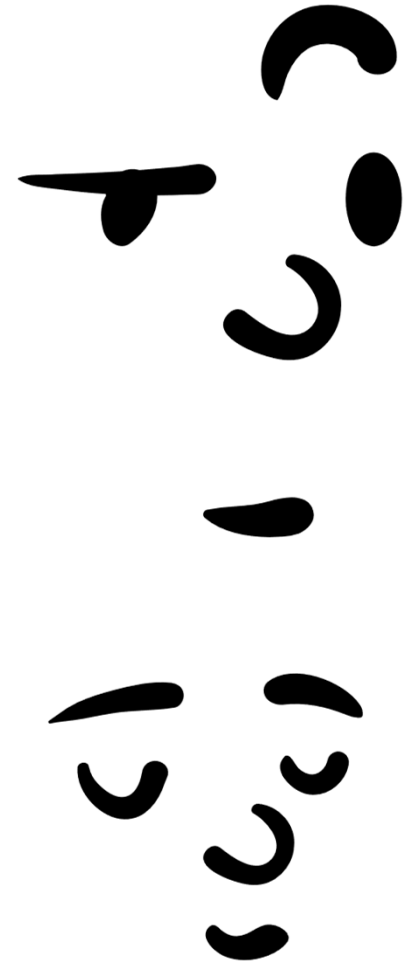
- What is that new thing I have never seen before?
- What are you doing to my road?
- This is what my tax money goes to?
- They got regular asphalt over there, why didn't we get it in our area?



# Overcome

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- Work with info officers to get information out there
  - Explain what you are doing
  - Show benefits
- Let more projects (Micro and Chip/Cape)
  - The more they see, the more they accept
  - Know you can't please everybody all of the time



Chip Seal with Fog  
2016

- [Ft. Wright residents upset with newly-paved road - YouTube](#)

# Contractor/Supplier Buy-In

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- Equipment
  - Good working order
  - Up to specifications
- Training/Knowledge
  - Operator competence
  - Stockpile management
- Material



# Overcome

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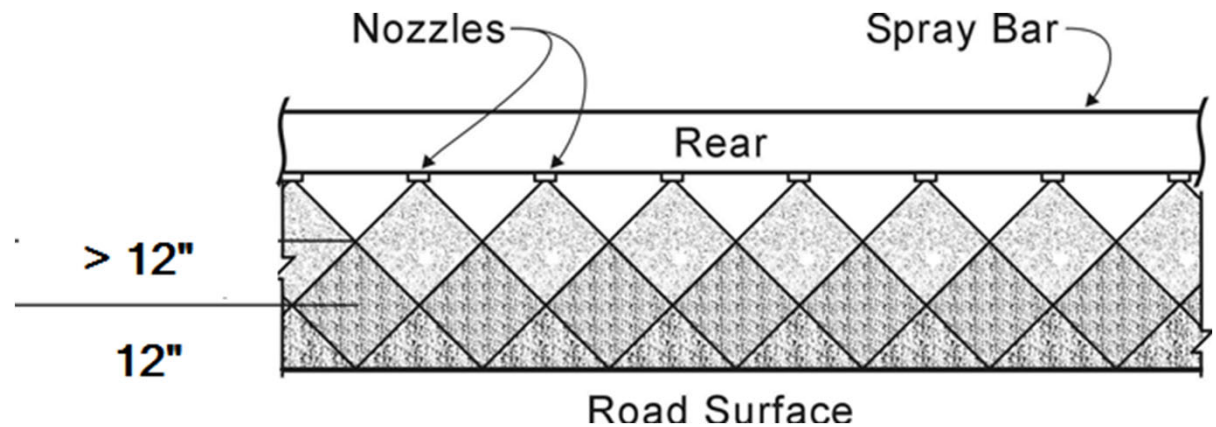
- Calibrations
  - Distributor - Application rates
  - Chip Spreader – Application rates
  - Micro Paver – Application rates (according to mix design)
- Testing
  - Compatibility before starting
  - Test strip
- Observation
  - Does everything look right?
  - Is the material breaking/setting up?
  - Is there a problem? If so, identification of the problem
- Don't be afraid to get up close and dirty



# KYTC Knowledge

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- General Knowledge
  - What the different applications are
  - What to look for
  - What works and what doesn't
- Real world experience
  - What have you encountered?
  - How to adapt

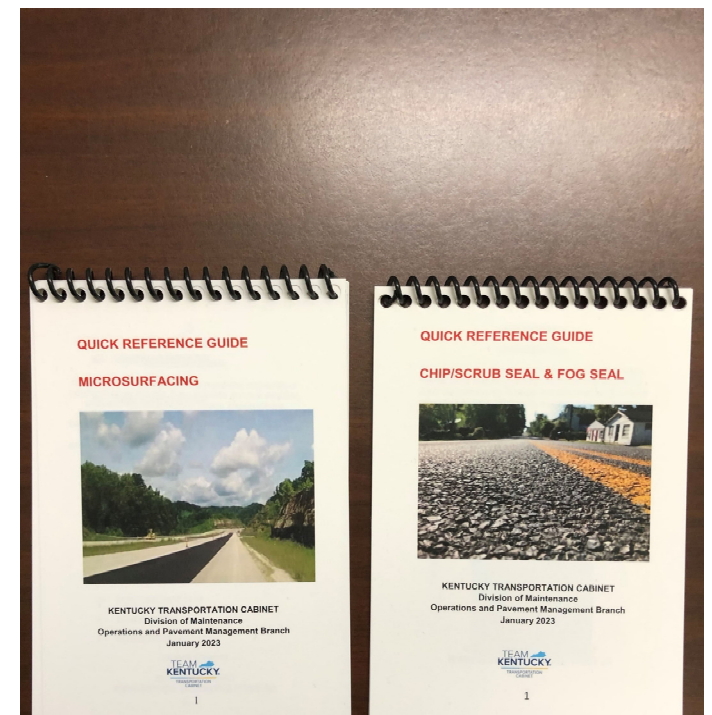




# Overcome

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- Analyze situation
  - Identify the issue
- Ask for assistance/advice
  - Seek out someone with experience
  - Central Office has probably experienced this before
- Use the resources made available to you
  - Quick reference guides



# Material/Production Costs

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- Asphalt Mixes
  - Price is up 40% in two years in competitive areas
  - No competition for asphalt contracts in some places
  - Fuel prices



# Overcome

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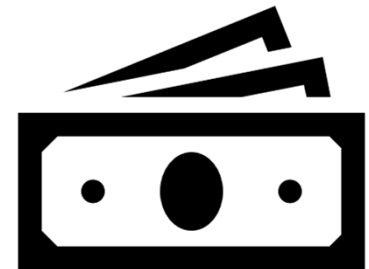
- Microsurface – competition to asphalt “monopolies”
- Cape Seal – chip with thin lift or microsurface does not add to drop-off conditions so no need for shouldering



# Stagnant Budgets

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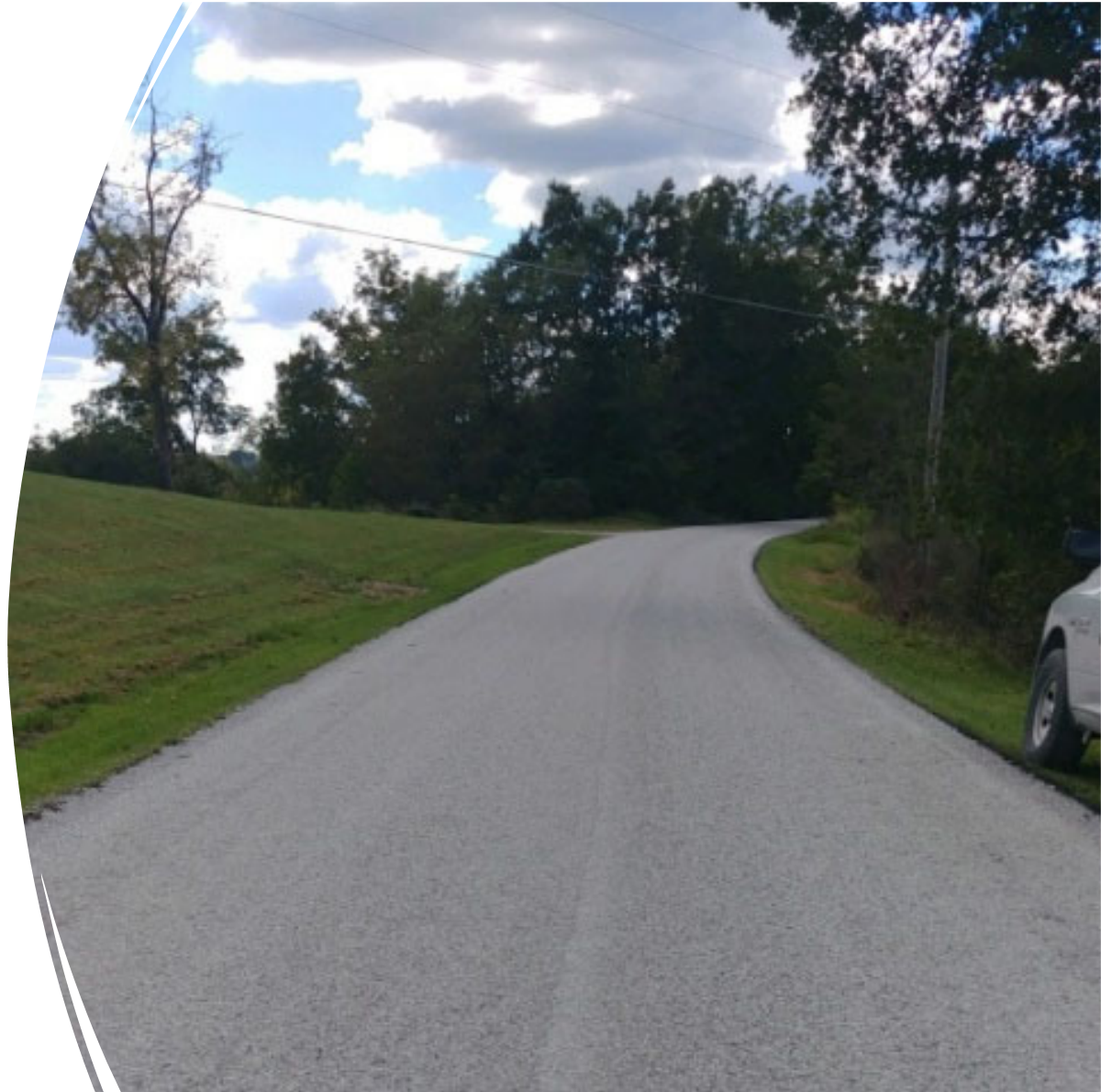
- Fixed RS allotment
  - Counties keeping Flex Funds
- Fixed FD05 allotments
  - How do rural areas compete with urban for money?



# Overcome

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- Chip seal RS routes
  - Spread money out over more areas
  - Costs approx. 40% of 1" resurface
- Micro and Cape Seal
  - Micro (with crack seal) provides competition to mill and fill (cheaper)
  - Cape's seal the road and get new driving surface



# Road Conditions

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- FD05
  - Competing with the rest of the district
  - Road condition getting too far gone for resurface (major overhaul)
  - State Supplemental routes
- RS
  - Limited budgets
  - Increase in price



# Overcome

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- Chip Seal
  - Spreads out the RS budget
  - Get something done on State Supplementals
  - Seals the water before the surface gets too far gone
- Microsurface
  - Compete with asphalt resurface
  - Good friction numbers on high traffic roads
- Cape Seal
  - Best of both worlds, seals roadway and is aesthetically pleasing to public



# Anecdotes

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- Section road conditions have improved since using PM treatments
- Have seen all the treatments at this point (8 yrs) and know what to look for to get a good project
- After a rough start, have had pretty good contractor buy-in
- We have gotten surface treatments on low ADT State Secondary Routes
- Have used cape seals and chip seals on RS routes to good effect
- We did not have 1 project that qualified for 2024 FD05 resurfacing in our Section

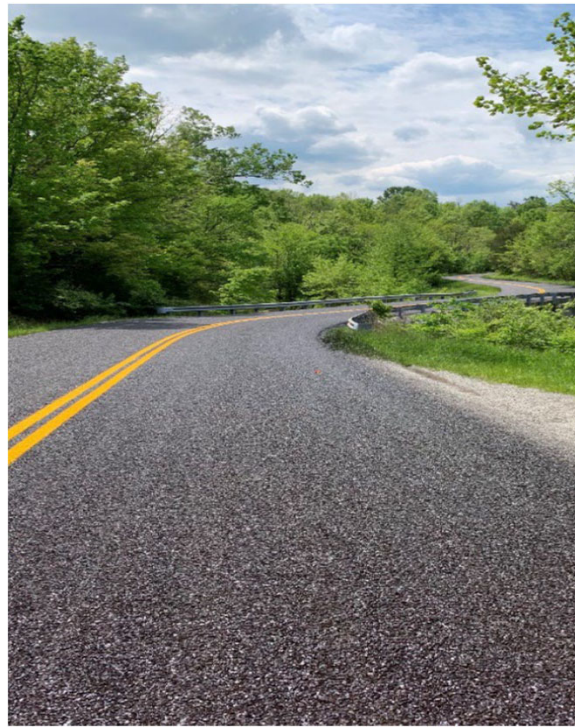




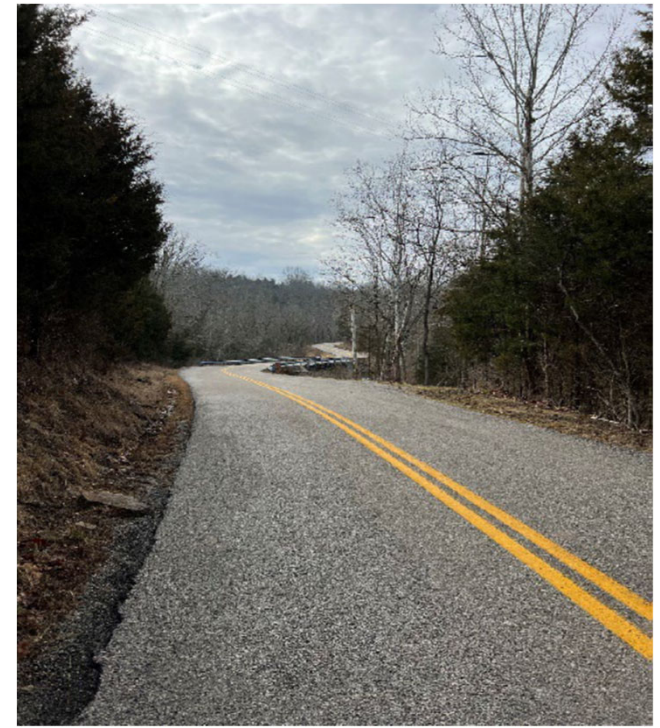
# KY 1011 Bracken Co Chip Seal (RS)



July 2017



June 2019



February 2023



# Questions?

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