NCAT Pavement Test Track

Research Update

Content

• NCAT Pavement Test Track
• MnROAD partnership
  - Mix performance testing
  - Pavement preservation
• Implementation support
NCAT Pavement Test Track

Balanced Mix Designs

- Balanced mix designs (4)
- Friction characteristics (3)
- Full depth rapid rebuilds (3)
- M-E soil and base treatment (1)
- Reflective crack prevention (6)
- Surface rejuvenators (4)
- Variable mat density (6)
Pavement Preservation

70th Street Recycle Sections
- Cold central plant recycling
  - Foamed asphalt and engineered emulsion
- Cold in-place recycling
  - Foamed asphalt and engineered emulsion
- Full depth reclamation
  - Foamed asphalt and engineered emulsion
- Traditional HMA mill and fill
  - 2 inch and 3 inch
- Standalone 1 inch thin overlay.
70th Street Recycle Sections

Implementation Support

- Implementable product(s) for every Track project
- Findings are not always universally embraced
- Formal effort to “promote” high value findings (14)
- List compiled and sorted based on readiness level (3)
- Feedback sought from industry to understand support
- Workshop for decision makers, subject matter experts
- Scheduling with partnership sponsors in 2020

End-of-Cycle Conference for the
2018 NCAT Pavement Test Track and the
MnROAD Pavement Research Partnership

April 20-22, 2021
Auburn, AL
Dr. R. Buzz Powell, PE
Assistant Director
277 Technology Parkway
Auburn, AL 36830
Phone: (334) 844-6857
Cell: (334) 750-6293
Email: buzz@auburn.edu
Web: www.pavetrack.com
Twitter: www.twitter.com/pavetrack