

SEPPP – West Virginia Presentation
Seelbach Hilton – Louisville, KY
May 29, 2014



Overview

- Challenges
- Treatments
- Highlighted Project

WVDOH Challenges

- 36,000 centerline miles (6th largest system) in a state with less than 2 million people
 - 22,000 paved
 - 12,000 federal aid available
- \$150 million for Resurfacing/Preservation
 - \$90 million Federal Aid and \$60 million State
 - \$30 million Interstate (550 miles)
 - \$20 million for APD routes (580 miles)
 - \$20 million Federal Aid Other
 - \$20 million Preservation and Alternate Methods

WVDOH Challenges

- \$230 million Statewide Maintenance Budget
 - \$65 million for SRIC
- Very mountainous terrain with variable climate
 - Freeze-thaw in winter
 - Extreme temperature variation Spring and Fall
 - Limited access to several communities
- Gas Well Development
 - Marcellus Shale

WVDOH Challenges

- Incorporating preservation into budget difficult
 - New technologies vs. local industry
 - Increased requirements for traditional paving
- Need more training for state forces
- Public awareness

Treatments Used for Preservation

- Resurfacing Program 1.5-2.0 inch surface overlays, or combination with a binder course
- 4 HPTO mixes on interstates in 2013
- Microsurfacing (primarily a double course)
- Developed an ultrathin asphalt overlay for 2014
- Several Districts perform Chip Seals
- Two Cape Seals in 2013-2014
 - Double chip seal with micro
- HFST - *Safety*

Treatments Used for Preservation

■ CIR/FDR

- 2 CIR projects in 2013
- 5 CIR projects in 2014 (includes two multilane State Routes)
- 2 FDR projects for 2014?

■ CPR (diamond grind and crack seal)

- Several combine rehab with partial and full depth repairs
- 2014 letting a project that includes partials with DBR and partials with a “turned down edge”

WVDOH Highlighted Projects - CIR

- 2013 first use of Contract CIR in state
- CR 53 Fort Martin Road - Monongalia County (Morgantown)
- US 119 Roane County (between Charleston and Parkersburg)

CIR – Monongalia CR 53 Fort Martin Road

- Two Lane/Two Way Coal Haul Route
 - Approximately 20-22' width
- Serves a large coal fired power plant (Longview) and load out facilities along the Monongahela River
 - ADT 2,200 w/25% Truck Factor
- 1.8 miles and was initially was considered for FDR but had old concrete pavement

CR 53 Fort Martin



CR 53 Fort Martin



CR 53 Fort Martin



CR 53 Fort Martin



CIR with Overlay

- Existing Pavement
 - 6"-11" HMA varied conditions
 - 6"-8" concrete varied condition (some completely broken)
- 18 year design-9 million ESALS
 - 6" CIR with 3.5% emulsion and 1% Portland
 - 5" HMA overlay (3" medium Base and 2" modified surface course)
- CIR with additives about \$14.21/SY
 - Mountaineer Contractors and EJ Breneman

CR 53 Fort Martin



CR 53 Fort Martin



CR 53 Fort Martin



CR 53 Fort Martin



CR 53 Fort Martin



FREE MARKETING

CR 53 Fort Martin



CR 53 Fort Martin



