

Idaho Transportation Department Pavement Preservation

- ▶ Chip Seal Coat Warranty
- ▶ Microsurfacing
- ▶ HMA 0.15 ft or less
- ▶ Hot Applied Chip Seal
- ▶ Future?



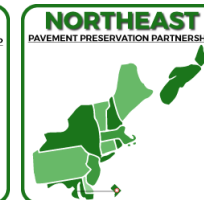
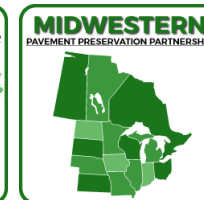
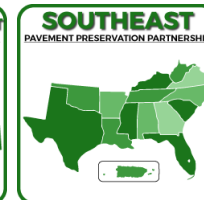
NATIONAL PAVEMENT PRESERVATION CONFERENCE

npcc23

IMPACTS AND BENEFITS FROM PAVEMENT PRESERVATION



MICHIGAN STATE
UNIVERSITY



Chip Seal Coat Warranty Standard Specification

- ▶ Acceptance by Warranty Performance Only
 - Contractor QC testing submitted for info
 - Warranty Guide –
 - NonContractor–Obligated Defect
 - Contractor–Obligated Defect
 - April 1 evaluation date
 - Repairs at Contractor Expense by August 1 of following year



Chip Seal Coat Warranty Standard Specification

- ▶ Standard Specification 403
- ▶ Majority of ITD's Pavement Preservation Projects
- ▶ Contractor Selects Emulsified Asphalt Type
- ▶ Cover Coat Size by State
- ▶ Inspector Development – Challenge

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- ▶ **Inspector Development – Challenge**

Microsurfacing Standard Specification

- ▶ Standard Specification 415
- ▶ Urban Areas with night operations
- ▶ ISSA Mix Design with Type III Aggregate
- ▶ Continuous Flow Mixing Units

Microsurfacing Standard Specification

- ▶ Limited in-state contractors
- ▶ Calibration and Reporting
- ▶ Inspection!!
- ▶ Stripping of HMA under microsurfacing (not delamination)

Microsurfacing Standard Specification



Hot Applied Chip Seal 2023

- ▶ Urban Corridors and perhaps mountain areas
- ▶ Concerns over Microsurfacing Issues
- ▶ PG 64–28 Binder
- ▶ 3/8–inch cover coat pre-coated at 0.4–0.8% binder



Hot Applied Chip Seal 2023

- ▶ Application Temperatures Specified
 - Are they attainable?
 - Binder temperature drops very quickly
- ▶ Inspector Experience – for method specification is shrinking
- ▶ SH-21 first project, included Quick Seal Fog
- ▶ 2024 Urban Sections in Boise without Fog



Future Pursuits

- ▶ Scrub Seal with rejuvenators
- ▶ More collaboration with ITD Operations Staff
 - Timing, Methods and Materials
 - Crack Sealing
 - Mastic Patching
 - Skin Patching – where's the PG 58–28
 - Supply Contract Support
 - District needs vary across a big state.



Thank You

