MONTANA’S SEAL COAT WARRANTY

Rocky Mountain West
Pavement Preservation Partnership
October 21, 2015
Bozeman, MT
Topics

- History of Warranty Spec. in MT
- Warranty Duration
- Warranty Admin. Guide
- Case Studies in MT
- Contractor Quality Control
- Contract Time Flexibility
- Questions
Warranty History

- Contractor Involvement
- Cover Material- Meas. & Payment
- Section 409 Overhaul
- Meetings w/Bonding Companies
- Warranty Type
STOP

GOVERNMENT
Warranty Duration

- 30-Day
- 60-Day
- Current Specification- 1st Wed. in Dec.
- Snowplow/Tire Chain Damage
Seal Coat Warranty Administration Guide

- Picture Guide
- Photo Tour - Summer of 2003
- Uniform Administration
- Monitoring and Documentation
- Materials Deduct Examples
- Released w/Warranty Spec. - Spring 2004
Condition: Desired Final Appearance

![Road surface with a marker](image1.png)

![Road scene with markings](image2.png)
### Condition: Cover Material Loss Attributed to Insufficient Embedment Caused From Plant Mix Surfacing Segregation.

### Comments:
- Water Poured on Plant Mix Surface Illustrates Effects of Segregation. Bituminous Materials Will Behave Similarly, Resulting in Insufficient Quantities Remaining on the Plant Mix Surface to Embed Cover Material.
- Segregated Plant Mix Surfacing Sections Should be Identified And Addressed Prior to Seal Coat Application.

### Notes:
- Cover Material Loss Attributed to Plant Mix Surfacing Segregation.
- Per Subsection 409.03.8 Warranty, Submit a Detailed Repair Plan to The Project Manager For Approval Within 14 Calendar Days of Notification of Required Repairs.
- This Condition is Unacceptable And Must be Repaired Prior to Final Acceptance.
## Condition: Cover Material Loss - Snow Plow Damage

### Characteristics:
- Condition Typically Presents Itself in a Transverse Fashion.
- Accompanied by Tell Tale “Chatter Mark” Effect.
- Damage Typically Located at, or Near, Roadway Crown, Quarter Line, And Shoulder.

### Comments:
- Contributing Factors Include Plant Mix Surfacing Smoothness & Snow Plow Speed.
- Areas Determined as Having Damage Resulting From Snow Plow Activities Are Not Subject to Seal Coat Warranty Provisions.
Admin. Case Studies

- Effective Administration Cases
  - MT 35- Polson- East
  - I-90 Cardwell Hill
  - I-15 Divide- N&S

- Less Desirable Cases
  - US 20- Targhee Pass
  - 30% Contractor / 70% MDT
US 20 - Targhee Pass
US 20- Targhee Pass
Contractor QC

- Mix Design Process
- Surface Evaluation/Voids Structure
- Stockpile Moisture
- Equipment Calibration
- Surface Temps. and Weather
- Application Timing/Contract Time
Contract Time

- Seal Coat Season in MT
  - May 1 to August 31
- Early and Late Season Flexibility
- Subsection 409.01.1 Contract Time
Questions?

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