

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





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Warranty History

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



STOP

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

Montana Department of Transportation



2008 Seal Coat Warranty Administration Guide

Montana Department of Transportation



Condition: Desired Final Appearance



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.



- 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

Polson-East



I-90 East of Cardwell



I-90 East of Cardwell



I-15 Divide- N&S



I-15 Divide- N&S



I-90 Milligan Canyon



I-90 Milligan Canyon



08/05/2003

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?

William C. Fogarty
MDT Butte District
Construction Supervisor
(406) 494-9635
wfogarty@mt.gov