

# Rocky Mountain West Pavement Preservation Partnership

Mary Gayle Padmos

Pavement Management Engineer, Montana Dept. of Transportation

State Agency Member



# State Agencies

- Alaska Department of Transportation
- Arizona Department of Transportation
- California Department of Transportation
- Colorado Department of Transportation
- Hawaii Department of Transportation
- Idaho Department of Transportation
- Montana Department of Transportation
- Nevada Department of Transportation
- New Mexico Department of Transportation
- Oregon Department of Transportation
- Utah Department of Transportation
- Washington State Department of Transportation
- Wyoming Department of Transportation



# Other members

- **Local agencies**
  - City and County of Denver
  - County of Riverside
  - Regional Transportation Commission
  - Metropolitan Transportation Commission
- **Industry - Regional**
  - Crafc0, Inc
  - CTS Cement Manufacturing Corporation | Rapid Set
  - Western Emulsions Inc.
  - Wright Asphalt
  - Simon Contractors
  - Holbrook Asphalt
  - Intermountain
- **Academia**
  - California Pavement Preservation Center
  - Federal Highway Administration
  - University of Nevada, Reno



# Board Members

- State and local agencies
- Industry , academia and FHWA

## Steering Committee

<b>Name</b>	<b>Organization</b>	<b>Role</b>
Anita Bush	Nevada DOT (State Agency Member)	Chair
Mike Santi	Idaho Transportation Department (State Agency Member)	Vice-Chair
Michael San Angelo	Alaska DOT (State Agency Member)	Secretary/Treasurer
Pat Kennedy	City of Denver (Local Agency Member)	Immediate Past Chair

## Additional Directors

<b>Name</b>	<b>Organization</b>	<b>Role</b>
Mary Gayle Padmos	Montana DOT	State Agency Member
Steve Henry	Colorado DOT	At-Large Member
Ron Youngman	ACPA CO/WY Chapter	At-Large Member
Mark Beatty	Holbrook Asphalt	Industry Member
Evan Heniger	Simon Contracting	Industry Member
Gary Hicks	CPPC	Academic Member
Steve Mueller	Federal Highway Administration	Ex-officio Member

# Activities Completed or Underway

- Task groups
  - MAP 21 report
  - Research
  - Specifications and guides
  - Promotional
  - Communication and Terminology
  - Cost Effectiveness

# Map 21 Performance Measures

- Task force formed at meeting in Nashville, TN – August 2012
- Lloyd Neely – UDOT and Steve Mueller – FHWA group leaders
- Conference call in November 2012 with 10 participants including Thomas Van from FHWA's Office of Asset Management.
- Reviewed AASHTO Subcommittee on Performance Measurement's recommendations for MAP-21 performance measures
- Most states agreed with IRI as a possible measure but did not agree with using ProVal for system level data.
- Other factors to be considered included friction – skid index, percent of network sealed, rut (consistent measurement), and using data from pavement management systems not HPMS

# Research Task Force

- Contacted other Partnerships for research contact information request
- Survey Results
  - Identify agencies either conducting or sponsoring pavement preservation research:  
***AK (2); NV (2); WA (3)***
  - Identify the top two Research Needs related to Pavement Preservation in your DOT or Agency:  
***included Service Life/benefit; Materials; Performance and Pavement Management***

# Research Task Force (cont)

- Identify Pavement Preservation Treatments DOT or Agency use and if used as Regular Maintenance Treatments and or Pavement Preservation Treatments: **11+ responses Chip Seal/Crack Seal/Overlay;**  
**8 – 10 responses Fog Seal/Slurry Seal/Microsurface; Concrete:**  
**11+ Joint sealing and diamond grinding;**  
**8 -10 responses Load Transfer Restoration**
- Agencies currently tracking Pavement Management System the 'Service Life' of Pavement Preservation Projects: **NM, WA, WY**
- Rating the overall success (quality and workmanship) of Pavement Preservation Projects constructed in your DOT or Agency:  
**8 Almost always successful**
- DOT or Agency participation in a Regional Pavement Preservation Partnership: **12 yes**

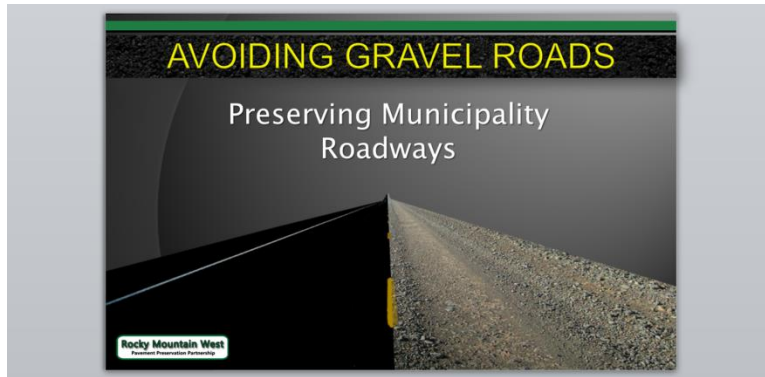


# Chip Seal Specifications and Guidelines

Scope: To develop standardized emulsion specifications and collect best practice guidelines.

- **Phase 1: Emulsion Specifications**
- Regional agencies polled for chip emulsion specifications.
- Specifications for chip seal emulsions completed in 2011. These specifications include: CRS-2, CRS-2H, and CRS-2P with latex and solid polymer.
- **Phase 2: Best Practices**
- Best practices information collected.
- The task group is working on how to make this information available.

# Promotional Task Force



- Developed presentation 2011
- Assembled case studies for savings using pavement preservation
- Identifying marketing plan for MPO's and Local agencies
- 86 presentations

# Cost Effectiveness

Scope : Quantify the benefits of pavement preservation treatments.

# Communications and Terminology

Scope : Develop a dictionary of pavement preservation terminology used by member states.

# 2013 Annual Meeting

- Anchorage, Alaska
  - October 7 – 9<sup>th</sup>
- Pavement Preservation and Asset Management
- Risk Management
- MAP – 21 and Performance Measures
- Technical sessions
  - Friction
  - Chip Seals
  - Materials
  - Concrete preservation



# Summary

- Group is very diverse
- Task forces are active
- Plans are well underway for our meeting in Anchorage in Alaska
- Look forward to seeing you there

