

AASHTO Preservation Management Emulsion Task Force (ETF)

Kelly Senger, Illinois DOT

*Mike Hemsley, Paragon
Technical Services

Bouzid Choubane, NCPP





The Heritage Group

 **paragon**
technical services, inc.

Housekeeping & Thank You!



**HRG INTRODUCTION
& FACILITIES**



**BREAKS
A.M. AND P.M.**



**LUNCH – PROVIDED BY
PARAGON TECHNICAL
SERVICES**

ETF Membership/Roll Call

Agency

Illinois DOT
Minnesota DOT
Montana DOT
Ohio DOT
Oregon DOT

Testing Labs

Heritage
MTE Services
PRI Asphalt

Academia

Chico State University
Colorado State
NCAT
University of Texas

AASHTO

AASHTO
Re:source

NCPP

Producers

Asphalt Materials
Associated Asphalt
Ergon
Flint Hills Resource
Husky Energy
Kraton Polymers
Marathon Petroleum
MTE Services
Paragon Technical Services

Admin-NCPP – Bouzid Choubane

AASHTO Preservation Management

ETF Co-Chairs

Kelly Senger, ILDOT

Mike Hemsley, Paragon Technical Services

Subcommittees

1. Emulsion Treatments – Senger/Weigel

2. Q A, Education, and Certification – Teto/Biehl

3. Messaging & Implementation – Betsold/Brewster

4. Research – Hazlett/Braham

5. Emulsion Binders – Voth

ETF Review: Organization

ETF Specification Process

AASHTO Specification Approval Process



AASHTO ETF & COMP

AASHTO Standards Update: 2025	M/MP	T/TP	R/PP	NCHRP Projects	Best Practices	Construction Guide Spec #	QA Guide
Chip Seal	M340		R102	NCHRP 14-37	Published	Section 406	
Micro Surfacing	M341		R103	NCHRP 14-37	Published	Section 408	
Tack Coat	M349		R112	NCHRP 14-44		Section 404	5c COMP
Fog Seal	M343		R105	NCHRP 14-37	Published	Section 410	
Asphalt Rejuvenators				NCHRP 10-114			
Scrub Seal	M345		R107	NCHRP 14-44		Section 416	5c COMP
Sand Seal	M344		R106	NCHRP 14-48		Drafted	
Slurry Seal	M342		R104	NCHRP 14-44	Published	Section 415	5c COMP
Cold Recycled Mixtures with Foamed Asphalt	MP38		PP94	NCHRP 14-43			R124
Ultrathin Bonded Wearing Course	M346		R108	NCHRP 14-48		Drafted	
Cold Recycled Mixtures with Emulsified Asphalt	MP31	LPST SPRT	PP86	NCHRP 9-62 NCHRP 14-43	Published	Section 411	R124
Cold Central Plant Recycling (CCPR)							R123
Emulsified Asphalt	M140						
Cationic Emulsified Asphalt	M208						
Polymer-Modified Cationic Emulsified Asphalt	M316						
Emulsion/Surface Performance Grades (E/SPG)				NCHRP 9-63			

Review of 11/26/24 Minutes

AASHTO Preservation Management (TSP-2) Emulsion Task Force (ETF) Meeting Notes

November 26, 2024
12-4p CST

<https://meet.goto.com/128096093>

United States: +1 (872) 240-3412

- One-touch: <tel:+18722403412>, [1-872-240-3412](tel:+18722403412)

Access Code: 128-096-093

12:00 p.m. – 12:10 p.m. Welcome, Introductions/ Roll Call

Senger/Shields

Attendees:

Aaron Walker	Ding Cheng	Marla Weigel
Andrew Elcher	Eric Biehl - OH DOT	Matt Teto
Arlis Kadrmas	Greg Harder	Mike Hemsley
Bouzid Choubane	Jason Dietz	Nathan Awwad - INDOT
Brian Pfeifer	Jeff Dunn	Nik Jones (MPM)
Charity Cook	Jody Bachini	Raquel Moraes
Chris Hollenback	Joel Ullring	Rex Eberly
Danielle Knudtson (Mathy)	John Malusky	Ryan Lynch
Darren Hazlett	Kelly Senger	Sallie Houston
Dave Welborn	Larry Ilg (ODOT)	Stephane Charnot
Stephanie Smith	Todd Shields	Travis Walbeck
Stormy Brewster	Todd Thomas	

12:10 p.m. – 12:15 p.m. ETF Review

a. Review of Meeting Minutes (May 2024)

<https://tsp2-etf.org/wp-content/uploads/2024/06/Emulsion-Task-Force-Notes-May-30-31-2024.pdf>

Senger

12:15 p.m. – 12:30 p.m. ETF Website, Membership Review, NCPP Updates

Shields/NCPP

Revised roster was sent to all members and friends – will be updated.

12:30 p.m. – 1:00 p.m. AASHTO Committee on Materials & Pavements Update

a. TS 2a – Emulsified Asphalts

Pfeifer

Annual meeting in August. MSCR updates, research into TCE alternates, updates to R78. Midyear meeting late January/early February.

b. TS 5b – Bridge & Pavement Preservation

Ilg

Working on tack coat revision, concern from Idaho (use of blotter material).

Action item – get some sample language to address this.

c. TS 5c – Quality Assurance and Environmental

Turgeon

Kurt Turgeon not on call.

Short and Long pin shear test should be getting approved soon. Will need to update guides to reflect this when they are approved. May be good to put the example videos on ETF website.

Illinois working on a project to look at TCE alternatives.

1:00 p.m. – 1:15 p.m.

Discussion and Nomination of New Industry Co-Chair

Senger

Thank you to Chris Lubbers for his years of service!!!

Mike Hemsley was discussed, though Mike was not on the call until later. Kelly asked Industry to work on sending in some names.

We will put together a list of industry members and send out to group (MS forms). allow industry members and friends to vote. Dave Welborn suggests we look at attendance at recent meetings.

1:15 p.m. – 1:45 p.m.

Research Project Updates

Hazlett

See Darren's PPT for updates on each.

- NCHRP 9-62 Rapid Tests and Specifications for Construction of Asphalt-Treated Cold Recycled Pavements
- NCHRP 14-43 Construction Guide Specifications for Cold Central Plant Recycling and Cold In-Place Recycling
- NCHRP 14-44 Construction Guide Specifications for Slurry Seals, Scrub Seals, and Tack Coats
- NCHRP 14-48 Construction Guide Specifications for Pavement Treatments - Sand Seals and Ultra-thin Bonded Surface Treatments

Need to follow up on status of this.

<https://apps.frb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5149>

- NCHRP 10-114 Developing Performance and Safety Specifications for Rejuvenating Seals (Presentation)

Note – Mike Voth has secured funding for a new study to construct pilot projects.

Project title: Rejuvenating Seals – piloting new design and performance specifications

Objective: The objective of this study will be piloting and evaluating new standards for rejuvenating seals developed from the NCHRP 10-114 study on one or more FLH pavement preservation projects. This would include providing recommendations for improvements of the standards, if warranted. A secondary objective would be to aid the implementation of new the standards across the country by encouraging adoption of provisional standards by AASHTO COMP.

Funding: \$300k allotted over three fiscal years

FY25 \$50k (workplan development and project selection)

FY26 \$125k (construct pilot project or projects)

FY27 \$125k (testing and evaluation, final report, tech brief, coordination with AASHTO COMP/ETF)

Review of 11/26/24 Minutes

*Some flexibility in funding timeframes based on completion of NCHRP 10-114 and suitability of available FLH pavement preservation projects

Managing Organization: FLH (Mike Voth, project manager)

- f. NCHRP 10-124 Development of Field Test to Determine Actual Percent Embedment of Chip Seal Aggregate
- g. NCHRP 10-134 Performance-Based Tests for Asphalt Emulsion Treatments as part of Agency Acceptance and Incentive Programs
- h. NCHRP 10-145 Asphalt Emulsion-Based High Friction Surface Treatments
<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5669>
- i. NCHRP 17-138 Pavement Marking Selection for Bridge and Pavement Preservation Treatments
<https://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=5686>

1:45 p.m. – 2:00 p.m. Stakeholder Updates Cowley/Shields

a. FP²

Dave Welborn - Met at RMWPPP. Eager to be involved and support the PG3 project.

b. AEMA

Arlis K – working on EPD for asphalt emulsions.

c. ARRA

Mike Hemsley – just had semi-annual meeting (Recycling Summit). Working on PCR and EPD's. Combined AEMA/ARRA/ISSA meeting in early March 2025. Updating Road Resource.

d. ISSA

Updating technical bulletins. Slurry workshop coming up January 2025. Slurry field manual live online. Working on field sampling method for slurry/micro.

e. FHWA (PPTFG)

Benchmarking study now available – gaps and barriers to pavement preservation.

Guidelines for preservation inspection training RFP now out.

Piloted new NHI course for preservation design and inspection in Utah, upcoming Pennsylvania and Oklahoma.

Working on web-based training for combination treatments.

Finishing up preservation in urban environments and RAP projects.

January 8 during TRB FHWA meeting with AEMA and ISSA.

2:00 p.m. – 2:15 p.m. BREAK

2:15 p.m. – 2:30 p.m. SUBCOMMITTEE BREAKOUT SESSION 1

4 Research

Hazlett/Braham

Had realignment of structure. Jeff Dunn now leads materials subcommittee, Roadmap now Sustainability led by Charity Cook, Operations led by Rex. Synthesis on seal coat but did not get taken up, may resubmit. Field sampling of micro also did not get picked up. Waiting on Asphalt Institute to complete study on performance grading of emulsions. Could look at putting out a synthesis on RAP in preservation treatments, potentially tie to low carbon grants.

2:30 p.m. – 2:45 p.m. SUBCOMMITTEE BREAKOUT SESSION 2

#5 Asphalt Emulsion Binders (B/O)

Voth/Lubbers

See above for 10-114 follow-up.

2:45 p.m. – 3:00 p.m. SUBCOMMITTEE BREAKOUT SESSION 3

#1 Emulsion Treatments (B/O)

Senger/Weigel

Waiting for UBWC final report to work on a best practice guide.

3:00 p.m. – 3:15 p.m. SUBCOMMITTEE BREAKOUT SESSION 4

#3 Messaging & Implementation Subcommittee (B/O)

Betsold/Brewster

Summer article in PP Journal. Working with Jason Wielinski (AI) to review CCPR best practices guide.

3:15 p.m. – 3:30 p.m. SUBCOMMITTEE BREAKOUT SESSION 5

#2 QA, Education & Certification Subcommittee (B/O)

Teto/Biehl

ISSA is currently working on new web-based trainings for slurry, chipseal, and combination treatments. The slurry module will be based off the new ISSA Slurry Inspector's Manual. The goal is for this training to be used when studying for NCPP certification. No timeline for completion as of now, but I will keep the group updated as we progress.

3:30 p.m. – 4:00 p.m. Open Discussion

Senger

a. Emulsion PCR - Definitions

b. Action Items

c. Next Meeting

Heritage happy to host at The Center, just need dates. Consensus was to keep this venue.

Look at early June – weeks of June 2 and June 9. Chris will check on availability, let us know. We can then send out a poll.

4:00 p.m. Adjourn

Motion to Approve?

- Blotter Material for Tack Coat?
- Short and Long Pin Shear Tests?
- NCHRP 14-48, UTBWC and Sand Seal

Old Business Action Items