

PAPA Regional Technical Meeting

March 20, 2024
8:00 AM to 3:00 PM
District 8

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2023 Asphalt Mix Testing

Testing:

- 206 Lots- Mixture Acceptance by box sample
- 153 Lots – Density Acceptance by pavement cores

Retests Requested:

- # Requested – 2
- Retest Results -
 - 1- OLPF went from 87% to 94% (Asph.% 70 to 103.2)
 - 1-R & R to 94% OLPF (Asph.% 0 to 70)

2023 Asphalt Mix Testing

	Asph. %	PCS	#200	% Comp.	OLPF	Disposition	Closed
12.5 mm	70	104	104	91	87	Retest Approved 6/29/23, Retest Asph. =103.2 % Retest results = 94 % OLPF.	x
12.5 mm	70	104	104	0	R & R	Accepted 70%	x
12.5 mm	104	104	104	0	R & R	Accepted 70%	x
12.5 mm	0	97	104	104	R & R	Retest Approved 7/21/2 : Asph=70%pay, PCS=101.2% OLPF=94%	x
12.5 mm	98.5	86.5	76	0	R & R	Accepted 70%	x
12.5 mm	104	88	104	0	R & R	70% for part R&R for part	x
25mm			R & R			Only 2 sublots so no PWL... 70%	x
12.5 mm				R & R		Only 2 sublots so no PWL 85.7% waxed & 92.4 % To be R & R Spring 2024	

2023 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: 135
 - 100%: 2
 - <100%: 45
- Gradation: No. 200 Sieve
 - >100%: 152
 - 100%: 0
 - <100%: 30

Percent Pay:

- Gradation: PCS
 - >100%: 139
 - 100%: 2
 - <100%: 40
- Density
 - >102%: 72
 - 100%: 25
 - <100%: 56

Performance

	Longitudinal Joint Density Summary					
Year	2023	2022	2021	2020	2019	2018
Lots Tested	69	30	77	74	46	61
% Density Range	86.6-97.3	87.0-97.0	86.5-99.2	87.1-99.5	87.8-97.3	86.4-97.6
% Average Density	92.9	92.5	93.0	92.6	92.7	92.6
Total \$ for Incentive Lots	233,652	173,537	241,163	248,120	177,938	234,209
Total \$ for Disincentive Lots	0	-7,500	0	0	0	0
Delta (Incentive - Disincentive)	233,652	166,037	241,163	248,120	177,938	234,209

REF: Section 405 Evaluation of Bituminous Pavement Longitudinal Joint Density and Payment of Incentive/Disincentive

Performance

- Longitudinal Joint Type

- Which joint type is being utilized most?

Most all wedges are notch wedge. Occasionally vertical used on smaller paving applications where it will be tied in on same day, such as approaches.

- Are you having any longitudinal joint issues?

None

- Did you or are you planning to use J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?

- Used on 4-5 jobs so far, plan on more widespread use.

2024 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
 - ECMS #64767, Let Date 9/15/22, SR 4057, Lancaster County, 53444 Tons*
 - ECMS #90872, Let Date 6/29/23, SR 2012, Lebanon County, 10669 Tons
 - ECMS #90873, Let Date 5/11/23, SR 0034, Cumberland County, 18217 Tons
 - ECMS #90915, Let Date 6/15/23, SR 1003, York County, 6301 Tons
 - ECMS #92945, Let Date 4/13/23, SR 0322, Dauphin County, 36378 Tons*
 - ECMS #96330, Let Date 6/9/22, SR 3017, Lancaster County, 9340 Tons
 - ECMS #97013, Let Date 7/13/23, SR 0222, Lancaster County, 115853 Tons*
 - ECMS #97250, Let Date 9/14/23, SR 0030, Lancaster County, 32588 Tons
 - ECMS #97828, Let Date 8/24/23, SR 0083, Dauphin County, 91743 Tons*
 - ECMS #99081, Let Date 4/27/23, SR 2001, Lebanon County, 3206 Tons
 - ECMS #103145, Let Date 6/15/23, SR 0322, Dauphin County, 20754 Tons
 - ECMS #106537, Let Date 11/2/23, SR 0072, Lebanon County, 2081 Tons
 - ECMS #107020, Let Date 5/12/22, SR 0022, Perry County, 108939 Tons*
 - ECMS #107037, Let Date 6/29/23, SR 0023, Lancaster County, 12687 Tons
 - ECMS # 108469, Let Date 6/15/23, SR 0097, Adams County, 6338 Tons
 - ECMS #108521, Let Date 6/15/23, SR 4025, Lancaster County, 6190 Tons
 - ECMS #112961, Let Date 5/25/23, SR 0772, Lancaster County, 11666 Tons
 - ECMS #113328, Let Date 11/2/23, SR 3075, York County, 9985 Tons
 - ECMS #115631, Let Date 6/15/23, SR 0034, Perry County, 1216 Tons
 - ECMS #118068, Let Date 3/28/24, SR 0024, York County, 8735 Tons
 - ECMS #105346, Let Date 3/14/24, SR 0274, Perry County, 9675 Tons
 - ECMS #113270, Let Date, 2/29/24, SR 0997, Franklin County, 12218 Tons
- *Multi-Year Project

District Rehabilitation Projects

- Have you bid and/or completed any crack & seat break & seat projects with asphalt structural overlay in the past few years?

None

- Do you have any projects programmed for 2024 or 2025?

None

2024 Maintenance Asphalt Tons (Estimated)

County	9.5 mm	9.5 mm LVR	12.5 mm	19.0 mm	19.0 mm LVR	25.0 mm	25.0 mm LVR
8-1	2000	15000			650	500	500
8-2	750				450		250
8-3	10500	10000			1500		1000
8-4	5400				6500		
8-5	6000	200			3000		850
8-7	1000	6450	1000		2000		500
8-8	500	320	1000		500		200
8-9	4000	2000			15000		1000
TOTAL TONS	30,150	33,970	2,000		29,600	500	4,300

LVR = Low Volume Roads

District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Pluses: As it is being used more, people are getting more comfortable
 - Minuses: Areas with limited service.
Limited ability for Tech./Insp. to place comments in APP.
Still need HaulHub as a go between
 - Recommendations
- Are contractors in your District ready to implement this October?
Yes, I believe they are.

District 6.3 mm & SMA Projects

- List of 2024 6.3 mm Thin Lift projects
 1. ECMS #113276 Let Date 4/27/23, SR 0022, Dauphin County, Cameron Street Resurface (original pilot done in 2012)
- List of 2024 SMA Projects
 1. ECMS #97828, Let Date 8/24/23, SR 0083, Dauphin County, I-83 East Shore Section 3 (Multi Year Project)
- Any 2024 or 2025 HiMA SMA Pilot Projects?
 - None

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 17-20% and total tons 212,512.27 Tons
 - Binder - 18-22% and total tons 168,220.68 Tons
 - Base – 18-25% and total tons 73,901.15 Tons
 - Average RAP % of all mixes – 19.8% and total tons 454,634.10 Tons
- What are the impediments to increasing RAP% in the mixes?
 - Quantity (Stockpile tonnage for elevated RAP)
 - Quality (LTS Testing turn around time is slow)
 - Control (Storage, AC, Gradation)

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD.
Don't know if all grasp what all info means. Need more time to become comfortable?
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
- Issues: Problems: Needs: **BMD class/seminar?**

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Pilot: Asphalt containing recycled plastic
Continue using VRAM on more jobs (Higher volume multi-lane sections)
 - Recommend: Covering RAP piles

2023 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - X
 - X

2024 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ XX
 - ✓ XX
- Any staff changes since last year?
 - New DE to be named soon
 - October 2022- **3 Principal ACE's named**

Audience Questions/Comments???



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