

# PAPA Regional Technical Meeting

March 14, 15 & 16, 2023  
8:00 AM to 3:00 PM  
District 8

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# 2022 Asphalt Mix Testing

## Testing:

- 156 Lots- Mixture Acceptance by box sample
- 121 Lots – Density Acceptance by pavement core

## Failure:

- 0 - AC Content failures
- 1 - Gradation failures
- 1- #200 Sieve  
    Primary Control Sieve -
- 1 - Density failures

## Retests Requested:

- 3-Requested for Asphalt: Two were W12.5mm, one W19mm
- Retest Results
- 2-Asph% =70, Pay= 90%CUP
- 1-Asph% =82.75 #200 =0%, Pay=70% CUP

# 2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	30	77	74	46	61	42
% Density Range	87.0-97.0	86.5-99.2	87.0-99.5	87.8-97.3	86.4-97.6	87.1-97.4
% Average Density	92.5	93.0	92.6	92.7	92.6	92
Incentive Lots						
Zero Lots						
Disincentive Lots						
Total \$ for Incentive Lots	173,537	241,163	248,120	177,938	234,209	137,850
Total \$ for Disincentive Lots	-7,500	0	0	0	0	0
Delta (Incentive – Disincentive)	166,037	241,163	248,120	177,937	234,209	137,850



# 2022 Longitudinal Joint Density Performance

- Longitudinal Joint Type
  - Which joint type is being utilized most?
    - **Tapered- Contractors are choosing to use tapered even when they have option which one to use.**
  - Are you having any longitudinal joint issues?
    - **None that we are aware of.**
  - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
    - **One completed, Two to start this season, More planned on Interstates**

# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS 108597, Let Date 6/9/22, SR997-41, Franklin County, 15,000 Tons (base, scratch and wearing)
  - ECMS 113233, Let Date 6/16/22, SR 4008-030, Adams County, 2700 Tons (base, scratch and wearing)
  - ECMS 112268, Let Date 12/16/21 SR 81-087, Cumberland County, 124000 Tons (binder and wearing)
  - ECMS 112250, Let Date 6/22/22 SR 147-023, Dauphin County, 12,000 (base, binder/scratch and wearing)
  - ECMS 112259, Let Date 7/8/22 SR 83-102, Dauphin County, 11,000 Tons (base, binder and wearing)
  - ECMS 64767, Let Date 9/15/22 SR4057-002, Lancaster County, 74,000 Tons

# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS 112965, Let Date 6/16/22, SR222-084, Lancaster County, 45000Tons (base, binder and wearing also VRAM job)
  - ECMS 122002 , Let Date 6/9/22, SR 4008-030, Lancaster County, 51,000 Tons (binder and wearing)
  - ECMS 96330, Let Date 6/9/22, SR 3017-030, Lancaster County, 7,000Tons (scratch and wearing half will be plastic additive)
  - ECMS 113292, Let Date 6/9/22, SR 418-010, Lebanon County, 4,300 ton (wearing)
  - ECMS 107020, Let Date 6/22/22 SR 22-097, Perry County, 63,000 (base, binder and wearing, VRAM job)



# 2023 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
X-1	1500			19000		6000	
X-2	2500			2000		15000	
X-3	1500			16000		6000	
X-4	12000			30000		8000	
X-5	10000		5000	5000		3000	
X-6	-----						
X-7	18500			8000		2500	
X-8	5000		4000	9000		600	
X-9	500			26000		100	
TOTAL TONS	51500		9000	115000		41200	

LVR = Low Volume Roads

**Pending rest of winter storm activity may increase**



# District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
  - **Have not had any jobs where e-ticketing has been successful.**
  - **Materials Inspectors currently have no access and no ability to write comment on tickets**
  - **Give Materials Inspectors access to comment**
- Are contractors in your District ready to implement in 2024? **Haul Hub will help, but I don't think anyone is excited about it.**



# District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects
  1. **SR 22/230 Cameron Street (Includes same area as original pilot done in 2012)**
- List of 2023 SMA Projects
  1. **SR 83-079 Dauphin County Beltway Let in 2023 not paved in 2023**
  2. **All interstate reconstruction on I-83 in Harrisburg and York SR 83-070's first contract let in 2024, SR 83-078's first contract let 2025 ( both jobs have multiply contracts)**

# District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
  - **Wearing- 15%      Approx. 295,000 tons**
  - **Binder - 15%      Approx. 196,300 tons**
  - **Base – 15%      Approx. 163,500 tons**
  
  - **Over RAP % of all mixes –15.2% 654,263 total tons**

What are the impediments to increasing RAP% in the mixes?

## District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.

**The majority of our producers are taking the necessary steps to stay current or ahead of the implementation of BMD.**

- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?

**The producers who have the necessary lab equipment are way ahead of the curve.**

# Mix Design

- Have you had any issues with reducing the mix design gyration numbers to 50 & 75?
  - No
- Would you be in favor of reducing nDesign gyrations to one level? Yes, no or no opinion?
  - **No, In District 8 the two levels work well for our Interstates/Major Highway, and three and four digit roads**

## District 9.5 mm & 19.0 mm High RAP Mixes for LVR Mixes

- Have your maintenance forces completed a 19.0 mm or 9.5 mm for Low Volume Roads mix project yet?
  - **No 9.5mm LVR done**
  - **19mm LVR job done several years ago, job seemed to go well. Crew liked mix.**

# District Rehabilitation Projects

- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years?
  - **No Experience**
- Do you have any projects programmed for 2023 or 2024? **Nothing currently planned**

# District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
  - **VRAM: Will begin using on more Interstate and NHS roads**
  - **Plastic in Asphalt job to be constructed this year**
  - X

## 2022 District Issues - Problems

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



## 2023 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
- **District 8-0 Staff remains the same as last year.**

# Questions/Comments???



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