

# PAPA Regional Technical Meeting

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

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# 2022 Asphalt Mix Testing

## Testing:

- 98 Lots - Mixture Acceptance by box sample
- 99 Lots – Density Acceptance by pavement core

## Failure:

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

## Retests Requested:

- # Requested – 8
- Retest Results -
  - # passed 7
  - # failed 1

# 2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	71	51	41	58	59	55
% Density Range	87.5-97.9	89.0-97.9	89.2-98.1	86.9-98.0	87.3-97.2	86.7-97.9
% Average Density	94.2	93.7	93.4	93.8	93.5	93.4
Total \$ for Incentive Lots	330,500	217,239	221,600	235,250	236,950	218,000
Total \$ for Disincentive Lots	-3,000	0	-5,000	-23,800	0	0
Delta (Incentive – Disincentive)	327,500	217,239	216,600	211,450	236,950	218,000



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



# 2022 Longitudinal Joint Density Performance

- Longitudinal Joint Type
  - Which joint type is being utilized most?
    - **Tapered**
  - Are you having any longitudinal joint issues?
    - **No**
  - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
    - **Yes. We had 1 project in 2022 and have 1 scheduled for 2023.**
    - **We observed that the joint appeared soft until <160 degrees and had to eliminate longitudinal joint incentive.**



# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS # 97556, Let Date 02/16/23, SR 80-129, Montour County, 156,039 Tons
  - ECMS # 105530, Let Date 12/15/22, SR 180-130/133, Lycoming County, 40,564 Tons
  - ECMS # 99404, Let Date 03/30/23 SR 11-128, Columbia County, 10,560 Tons
  - ECMS # 113811, Let Date 10/06/22 SR 654-029, Lycoming County, 1,641 Tons
  - ECMS # 97489, Let Date 11/03/22 SR 118-11M, Lycoming County, 1,850 Tons
  - ECMS # 115035, Let Date 04/13/23 SR 405-102, Lycoming County, 1,723 Tons



# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS # 116597, Let Date 04/13/23 SR 2014-114, Lycoming County, 3,511 Tons
  - ECMS # 114182, Let Date 07/13/23 SR 44-088, Lycoming County, 4,514 Tons
  - ECMS # 114045, Let Date 01/12/23 SR 15-220, Lycoming County, 9,639 Tons
  - ECMS # 98610, Let Date 04/27/23 SR 2008-013, Montour County, 3,730 Tons
  - ECMS # 87909, Let Date 09/15/22 SR 54-71M, Northumberland County, 8,050 Tons
  - ECMS # 99176, Let Date 04/13/23 SR 147-133, Northumberland County, 7,039 Tons



# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS # 116833, Let Date 04/27/23 SR 405-106, County, 7,015 Tons
  - ECMS # 115578, Let Date 03/23/23 SR 11-158, Northumberland County, 3,613 Tons
  - ECMS # 104616, Let Date 04/13/23 SR 522-084, Snyder County, 4,259 Tons
  - ECMS # 99163, Let Date 03/23/23 SR 660-012, Tioga County, 6,885 Tons
  - ECMS # 114002, Let Date 04/13/23 SR 6-158, Tioga County, 14,921 Tons
  - ECMS # 117162, Let Date 04/13/23 SR 49-078, Tioga County, 3,477 Tons



# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS # 99173, Let Date 08/24/23 SR 414-059, Tioga County, 4,130 Tons
  - ECMS # 99427, Let Date 12/15/22 SR 15-187, Tioga County, 13,687 Tons
  - ECMS # 110599, Let Date 12/08/22 SR 15-208, Union County, 13,576 Tons
  - ECMS # 99253, Let Date 03/30/23 SR 15-198, Union County, 8,456 Tons
  - ECMS # 110828, Let Date 12/08/22 SR 304-018, Union County, 3,154 Tons





# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS # 116137, Let Date 03/23/23 SR 706-038, Bradford County, 9,427 Tons
  - ECMS # 87973, Let Date 12/08/22 SR 6-M36, Bradford County, 23,400 Tons



# 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
3-1							
3-2							
3-3					7,089		
3-4					12,738		
3-5		14,400			5,250		
3-6		340			4,106		
3-7		3,931		6,551			
3-8		12,900					
3-9					25,822		
TOTAL TONS		31,571		6,551	55,005		

LVR = Low Volume Roads



# District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
  - Pluses - **Easy to navigate, kept accurate tonnages**
  - Minuses - **Duplicate tickets, inspection staff and contractors struggled to utilize the system**
  - Recommendations - **Split load tickets are confusing only need 1 ticket per truck, more training for staff using eTicketing software**
- Are contractors in your District ready to implement in 2024? **Yes**

# District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects  
**N/A**
- List of 2023 SMA Projects
  1. **SR 180-130/ 133, Lycoming County**
  2. **SR 80-129, Montour County**
  3. **SR 15-208, Union County (also has highly polymerized asphalt)**
  4. **SR 15-198, Union County**

# District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
  - Wearing - **12%** and 287,084 tons
  - Binder - **20 %** and 275,289 tons
  - Base – **20 %** and 91,148 tons
  - Overall RAP % of all mixes about 17% – 653,522 tons
- What are the impediments to increasing RAP% in the mixes?
  - For wearing courses, it would require tracking RAP SRL's
  - Some producers may require plant modifications

## District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.
  - **I feel that this is an achievable goal.**
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
  - Completing all testing on all mixes
  - Establishing achievable limits for each gyration level

# 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**



## 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?
  - **Yes, 19 mm**



# District Rehabilitation Projects

- Have you bid and/or completed any crack and seat projects/rubblization/asphalt structural overlay in the past few years?
  - **No**
  
- Do you have any projects programmed for 2023 or 2024? **No**

# District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
  - **ECMS No. 76400, LLAP pilot project, Composite Pavement**
  - **VRAM**

## 2022 District Issues - Problems

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

## 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.

# Questions/Comments???



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