

# PAPA Regional Technical Meeting

March 19, 20 & 21, 2024  
8:00 AM to 3:00 PM  
District ?

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# Agenda

1. 2023 Asphalt Mix Testing Results
2. 2023 Longitudinal Joint Density Performance
3. 2024 Planned Construction Projects
4. 2024 District Rehabilitation Projects
5. 2024 Maintenance Asphalt Tons
6. District Use of 9.5 mm, 19.0 mm & 25.0 mm High RAP Mixes for LVR
7. District eTicketing Status
8. District 6.3 mm & SMA Projects
9. District RAP Mix Percentages
10. District BMD HWTT/IDEAL-CT Implementation
11. District Innovations & Best Practices
12. 2023 District Issues – Problems
13. 2024 District Changes - Direction

# 2023 Asphalt Mix Testing

## Testing:

- **119** Lots- Mixture Acceptance by box sample
- **98** Lots – Density Acceptance by pavement cores

## Retests Requested:

- # Requested – 0
- Retest Results -

# 2023 Asphalt Mix Testing

## Percent Pay:

- AC Content
  - >102%: 110
  - 100%: 4
  - <100%: 5
- Gradation: No. 200 Sieve
  - >102%: 111
  - 100%: 4
  - <100%: 4

## Percent Pay:

- Gradation: PCS
  - >102%: 111
  - 100%: 0
  - <100%: 4
- Density
  - >102%: 91
  - 100%: 4
  - <100%: 3

# 2023 Asphalt Mix Testing

## Testing:

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

## Failure:

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

## Retests Requested:

- # Requested –
- Retest Results -
  - # passed 0
  - # failed 0

# Performance

## Longitudinal Joint Density Summary

Year	2023	2022	2021	2020	2019	2018
Lots Tested	34	71	51	41	58	59
% Density Range	88.2-97.7	87.5-97.9	89-97.9	89.2-98.1	86.9-98	87.3-97.2
% Average Density	94.3	94.3	93.7	93.4	93.8	93.5
Incentive Lots	278,375	330,500	217,239	221,600	235,950	236,950
Zero Lots						
Disincentive Lots						
Total \$ for Incentive Lots	0	-3,000	0	-5,000	-23,800	0
Total \$ for Disincentive Lots						
Delta (Incentive - Disincentive)	278,375	327,500	217,239	216,600	211,450	236,950

**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?
    - Tapered (Wedge)
  - Are you having any longitudinal joint issues?
    - No.
  - Did you or are you planning to use J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
    - SR 80 three-year study

# 2024 Planned Construction Projects

## • List Projects With > 1000 tons of Asphalt Paving

- ECMS 85776, Let Date 6/6/24, SR 6/A06, Crawford, 42,000 Tons
- ECMS 114067, Let Date 3/14/24, SR 19/21M, Erie, 6,673 Tons
- ECMS 102468, Let Date 3/14/24 SR 531/A08, Erie, 11,095 Tons
- ECMS 76858, Let Date 2/29/24 SR 79/A09, Crawford, 28,056 Tons SMA
- ECMS 110842, Let Date 7/25/24 SR 6/01M, Crawford, 26,674 Tons
- ECMS 114035, Let Date 5/9/24 SR 102/01M, Crawford, 10,171 Tons
- ECMS 99878, Let Date 6/13/24 SR 18/25M, Mercer, 12,521 Tons
- ECMS 100171, Let Date 4/11/24 SR 322/16M, Venango, 13,270 Tons
- ECMS 98524, Let Date 7/25/24 SR 427/05M, Venango, 32,066 Tons
- ECMS 99927, Let Date 11/7/24 SR 518/07M, Mercer
- ECMS 98388, Let Date 11/7/24 SR 3020/A00, Mercer, 2,643
- ECMS 91569, Let Date 12/12/24 SR80/A16, Mercer, 113,180 (SMA)



# District Rehabilitation Projects

- Have you bid and/or completed any crack & seat break & seat projects with asphalt structural overlay in the past few years?
  - no
- Do you have any projects programmed for 2024 or 2025
- SR 6/A06 ECMS 85776 to bid Summer 2024

# 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
1-1	630			100			
1-2	1,525			2,500	7,120	280	
1-3	375					275	
1-4	2,455			925	7,059		
1-5	5,120			300	16,500		
1-6	2,850					1,210	
TOTAL TONS	12,655			3,825	30,679	1,765	

LVR = Low Volume Roads



# District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
  - Pluses- **Won't have to attach the tickets with certs**
  - Minuses- Agg sources not wanting to jump onboard
  - Recommendations- continue to work with C/O to implement
- Are contractors in your District ready to implement this October?
- Asphalt yes
- Concrete 20%
- AGG 0%

# District 6.3 mm & SMA Projects

- List of 2024 6.3 mm Thin Lift projects  
No
- List of 2024 SMA Projects
  1. Mercer SR 80-A16
  2. Crawford SR 79-A09
- Any 2024 or 2025 HiMA SMA Pilot Projects?
- Nothing submitted at this time

# District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
  - Wearing - 13% and total tons 27,123
  - Binder - 15-42% and total tons 22,186
  - Base – 20 % and total tons 60,069
  - Average RAP % of all mixes – 27.5% and total tons 142,324
- What are the impediments to increasing RAP% in the mixes?
  - Multiple times being milled are we truly getting the right % of RAP

## District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD.
- We have good working communication with our plants
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? Continuing to monitor.

# District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
  - Materials unit quarterly meetings with ADE/ construction support services engineer.
  - Cold in place milling against traffic to avoid traffic from sitting the mat.

## 2023 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
  - None at the moment



## 2024 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.  
None in the past year
- Any staff changes since last year?
  - ✓ Mike Hanna became new District 1 DMM
  - ✓ Derek Thomas promoted to Assistant materials manager

# Audience Questions/Comments???



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