

PAPA Regional Technical Meeting

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

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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:

- #100 Lots- Mixture Acceptance by box sample
- #101 Lots – Density Acceptance by pavement cores

Retests Requested:

- # Requested – 7
- Retest Results -
 - # passed 5
 - # failed 2

2023 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >102%: 50 Lots
 - 100%: 11 Lots
 - <100%: 13 Lots
- Gradation: No. 200 Sieve
 - >102%: 50 Lots
 - 100%: 11 Lots
 - <100%: 13 Lots

Percent Pay:

- Gradation: PCS
 - >102%: 46 Lots
 - 100%: 0 Lots
 - <100%: 17 Lots
- Density
 - >102%: 39 Lots
 - 100%: 42 Lots
 - <100%: 20 Lots

2023 Asphalt Mix Testing

Testing:

- 100 Lots- Mixture Acceptance by box sample
- 101 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- # Requested – 7
- Retest Results -
 - # passed 5
 - # failed 2

Performance

	Longitudinal Joint Density Summary					
Year	2023	2022	2021	2020	2019	2018
Lots Tested	17	22	11	14	20	29
% Density Range	87.7-97.2	85.2-96.3	89.4-97.8	88.5-95.7	87.7-97.8	86.6-95.8
% Average Density	92.3	91.8	92.6	93.6	93.3	92.4
Total \$ for Incentive Lots	43,825	91,975	27,900	69,000	74,750	115,000
Total \$ for Disincentive Lots	0	0	0	-0	0	-6400
Delta (Incentive - Disincentive)	43,825	91,975	27,900	69,000	74,750	108,600

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?
 - Yes, we have used it and plan to continue on Interstate Projects
 - Layout needs to be correct with respect to center line in order to achieve the full benefit of the VRAM application
 - Cure time needs to be followed

2024 Planned Construction Projects

- **List Projects With > 1000 tons of Asphalt Paving**
 - ECMS # 99290, Let Date 04/18/24 SR 87-112, Lycoming County, 17,598 Tons
 - ECMS # 114095, Let Date 01/25/24 SR 220-237, Lycoming County, 14,368 Tons
 - ECMS # 99003, Let Date 06/06/24 SR 220-166, Lycoming County, 19,126 Tons
 - ECMS # 116904, Let Date 07/11/24 SR 15-244, Lycoming County, 3,960 Tons
 - ECMS # 119253, Let Date 12/12/24 SR 220-237, Lycoming County, 12,880 Tons
 - ECMS # 114095, Let Date 01/25/24 SR 220-237, Lycoming County, 14,368 Tons

2024 Planned Construction Projects

- ECMS # 93524, Let Date 07/11/24 SR 54-076, Montour County, 2,059 Tons
- ECMS # 99130, Let Date 07/11/24 SR 54-096, Montour County, 4,773 Tons
- ECMS # 103853, Let Date 08/22/24, SR 54-090, Montour County, 9,884 Tons
- ECMS # 100483, Let Date 07/11/24, SR 54-087, Montour County, 22,311 Tons
- ECMS # 118290, Let Date 12/12/24 SR 54-119, Northumberland County, 1,045 Tons
- ECMS # 111760, Let Date 12/12/24, SR 405-097, Northumberland County, 12,423 Tons

2024 Planned Construction Projects

- ECMS # 116505, Let Date 01/11/24, SR 6-179, Tioga County, 15,397 Tons
- ECMS # 99107, Let Date 06/06/24, SR 6-130, Tioga County, 2,770 Tons
- ECMS # 117164, Let Date 04/11/24, SR 49-079, Tioga County, 9,246 Tons
- ECMS # 116507, Let Date 01/11/24, SR 2005-026, Tioga County, 19,008 Tons

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?
 - **No**

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
3-1	2,343						
3-2	4,524						
3-3					2,809		
3-4	10,412				6,721		
3-5	3,850						
3-6					10,553		
3-7	1,244			4,115			
3-8	8,200				4,300		
3-9	11,769				7,519		
TOTAL TONS	42,342			4,115	31,902		

LVR = Low Volume Roads



District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Easy to navigate, kept accurate tonnages during daytime hours
 - Problems with cumulative tonnages when spanning midnight
 - Continue to improve system and offer more training
- Are contractors in your District ready to implement this October? Yes

District 6.3 mm & SMA Projects

- List of 2024 6.3 mm Thin Lift projects
 1. **N/A**
- List of 2024 SMA Projects
 1. **ECMS No. 105531, SR 180-131, Lycoming County**
 2. **ECSMS No. 105532, SR 180-132, Lycoming County**
 3. **ECMS No. 105528, SR 80-161, Columbia County**
- Any 2024 or 2025 HiMA SMA Pilot Projects?
 - **No**

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 13.9% and total tons 428, 902.33 Tons
 - Binder - 24.8% and total tons 274,414.45 Tons
 - Base – 24.6% and total tons 21,048.93 Tons
 - Average RAP % of all mixes – 20.5% and total tons 724, 365.71 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.
 - **I feel that this is achievable**
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - **Adequate testing facilities for BMD Data**
 - **Realistic limits for the gyration levels**
 - **Approval of rejuvenators for higher RAP mixtures**

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Piloted Composite Pavement and LLAP on ECMS No. 76400

2023 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**

2024 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ Worked with Industry to resolve concerns with our previous No. 200 Sieve restriction.

- Any staff changes since last year?
 - ✓ Sabrina Weiczorek (Materials TCI)
 - ✓ Dave Wise (ACM)

Audience Questions/Comments???



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