

PAPA Regional Technical Meeting

March 19, 2025
8:00 AM to 3:00 PM
District 3-0

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Agenda

1. 2024 Asphalt Mix Testing Results
2. 2024 Longitudinal Joint Density Performance
3. 2025 Planned Construction Projects
4. 2025 – 2026 District Rehabilitation/Reconstruction Projects
5. 2025 Maintenance Asphalt Tons
6. District Use of 9.5 mm, 19.0 mm & 25.0 mm High RAP Mixes for LVR
7. District EPD 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. 2024 District Issues – Problems
13. 2024 District Changes - Direction

2024 Asphalt Mix Testing

Testing:

- 78 Lots- Mixture Acceptance by box sample
- 76 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- # Requested = 0
- Retest Results -
 - # passed = n/a
 - # failed = n/a

2024 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: 37
 - 100%: 30
 - <100%: 11
- Gradation: No. 200 Sieve
 - >100%: 42
 - 100%: 29
 - <100%: 7

Percent Pay:

- Gradation: PCS
 - >100%: 41
 - 100%: 0
 - <100%: 7
- Density
 - >100%: 44
 - 100%: 29
 - <100%: 3

2024 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary						
Year	2024	2023	2022	2021	2020	2019	2018
Lots Tested	4	17	22	11	14	19	28
% Density Range	89.0-96.3	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	93.8	92.3	91.8	92.6	93.6	93.3	92.4
Incentive Lots	2	12	16	10	13	19	23
100% Payment Lots	2	3	2	1	1	0	2
Disincentive Lots	0	2	4	0	0	0	3
Total \$ for Incentive Lots	13,500	43,825	91,975	27,900	69,000	74,750	115,000
Total \$ for Disincentive Lots	0	0	0	0	0	0	-6400
Delta (Incentive – Disincentive)	13,500	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

➤ 2024 Longitudinal Joint Density 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**) instead of PUB 408 Section 405? If you specified/utilized, what are your observations?
 - **Yes, for Interstate and Interstate look-a-likes**
 - **SR 180-131 and SR 180-132 project**
 - **Layout is critical**
 - **Cure time needs to be followed**
 - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
 - **No**

➤ 2025 Planned Construction Projects

- **List Projects With > 1000 tons of Asphalt Paving**

- ECMS # 115011, Let Date 4/10/25, SR 1064, Bradford County, 2,397 Tons
- ECMS # 121858, Let Date 4/17/25, SR 11, Union County, 2,534 Tons
- ECMS # 106733, Let Date 5/8/25, SR 1025, Columbia County, 9,591 Tons
- ECMS # 114000, Let Date 5/8/25, SR 6, Tioga County, 7,152 Tons
- ECMS # 86917, Let Date, 5/8/25 SR 15, Tioga County, 26,605 Tons

➤ 2025 Planned Construction Projects

- **List Projects With > 1000 tons of Asphalt Paving**

- ECMS # 120006, Let Date 5/22/25, SR 2026, Tioga County, 7,489 Tons
- ECMS # 115993, Let Date 6/26/25, SR 349, Tioga County, 2,965 Tons
- ECMS # 109833, Let Date 7/24/25, SR 405, Northumberland County, 10,521 Tons
- ECMS # 118286, Let Date 10/9/25 SR 239, Columbia County, 1,419 Tons

District Rehabilitation Projects

- Have you bid and/or completed any crack & seat, break & seat, or rubblization projects with asphalt structural overlay in the past few years?
 - **No**
- Do you have any projects programmed for 2025 or 2026 or in future construction seasons? If so, where and what is the ECMS#?
 - **No**

District Reconstruction Projects

- Do you have any highway reconstruction projects programmed to be let for 2025, 2026 or 2027 construction seasons? If so, when (anticipated let date), where (County, SR - Segment – Offsets) and what is the ECMS# (if known)?
 - 2025
 - N/A
 - 2026
 - **Columbia County SR 80 Segment 2325 Offset 2149 to Segment 2355 Offset 2678, ECMS No. 97561**
 - 2027
 - N/A

▶ 2025 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	21,630				6,217		
3-2					8,116		
3-3	7,732				283		
3-4	15,387						
3-5	8,200						
3-6					3,560		
3-7	1,697				5,933		
3-8	13,550				3,400		
3-9					14,352		
TOTAL TONS	68,196				41,861		

LVR = Low Volume Roads

District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
 - Pluses
 - **Plants more focused on energy consumption and plant efficiency**
 - **Producer should save money as a result**
 - Minuses
 - **Initial cost of implementation**
 - Recommendations
 - **None**
- Are contractors in your District having any issues complying?
 - **No**

District 6.3 mm & SMA Projects

- List 2025 6.3 mm Thin Lift projects
 1. N/A
- List 2025 SMA Projects & Note those with 10% RAP
 1. **SR 180-131 & 180-132, Lycoming County (No RAP)**
- List any 2025 or 2026 HiMOD SMA Pilot Projects?
 1. N/A
- What did you learn from any 2024 HiMOD Projects?
 - **Potential tool to reduce rutting at high volume intersections**

District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - **15%** and total tons **276,895.01**
 - Binder - **22%** and total tons **154,325.95**
 - Base – **23%** and total tons **98,424.73**
 - Average RAP % of all mixes – **20%** and total tons **529,695.87**
- How do we overcome the impediments to increasing RAP% in the mixes?
 - **No comment**

DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps.
 - No comment
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - Adequate testing facilities for BMD Data

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**

2024 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

2025 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ **N/A**

- Any staff changes since last year?
 - ✓ **N/A**

Audience Questions/Comments???



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DMM

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