

PAPA Regional Technical Meeting

March 20, 2025
8:00 AM to 3:00 PM
District 4-0

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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:

- 186 Lots- Mixture Acceptance by box sample
- 147 Lots – Density Acceptance by pavement core

Failure:

- 2 - AC Content failures
- 3 - Gradation failure
- 3- 200 Sieve failure
- 2 - Primary Control Sieve
- 3 - Density failures

Retests Requested:

- # Requested = 7
- Retest Results -
 - # passed = 0
 - # failed = 7

2024 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: 98
 - 100%: 41
 - <100%: 47
- Gradation: No. 200 Sieve
 - >100%: 122
 - 100%: 42
 - <100%: 22

Percent Pay:

- Gradation: PCS
 - >100%: 109
 - 100%: 2
 - <100%: 33
- Density
 - >100%: 99
 - 100%: 38
 - <100%: 10

2024 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary						
Year	2024	2023	2022	2021	2020	2019	2018
Lots Tested	14	30	20	32	57	60	16
% Density Range	83.5-97.3	86.1-97.5	88.2-97.9	85.7-97.6	85.9-97.7	81.9-97.8	85.2-96.7
% Average Density	92.5	92.4	93.0	92.9	92.7	92.1	91.6
Incentive Lots	8	16	15	21	38	43	12
100% Payment Lots	3	8	5	6	7	7	0
Disincentive Lots	3	4	0	3	4	4	5
Total \$ for Incentive Lots	46,500	67,040	102,625	167,725	173,199	73,250	45,400
Total \$ for Disincentive Lots	-18,250	0	0	0	0	-6,400	-24,280
Delta (Incentive – Disincentive)	28,250	67,040	102,625	167,725	173,199	66,850	21,120

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?
 - We have, but none planned for CY 2025
 - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
 - Some

▶ 2025 Planned Construction Projects

• List Projects With > 1000 tons of Asphalt Paving

- ECMS# 108573 - Let: 06/05/25 - SR 3012, Lackawanna County - 3,435 Tons
- • ECMS# 121588 - Let: 12/12/24 - SR 3019/SR 3023/SR 0011, Lackawanna County - 6,264 Tons
- • ECMS# 114487 - Let: 06/05/25 - SR 3012, Pike County - 5,550 Tons
- • ECMS# 121605 - Let: 06/05/25 - SR 3001/SR 3004, Pike County - 4,135 Tons
- • ECMS# 114079 - Let: 05/08/25 - SR 0106, Susquehanna County - 10,035 Tons
- • ECMS# 121615 - Let: 05/08/25 - SR 0006, Wyoming County - 16,000 Tons
- • ECMS# 121617 - Let: 10/24/24 - SR 0006, Wyoming County - 10,358 Tons
- • ECMS# 119236 - Let: 05/08/25 - SR 0093/SR 3020, Luzerne County - 17,144 Tons
- • ECMS# 109306 - Let: 02/27/25 - SR 0081, Luzerne County - 157,051 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?
 - 2017 was the last one. SR 6/11 in Lackawanna/Wyoming counties.
- Do you have any projects programmed for 2025 or 2026 or in future construction seasons? If so, where and what is the ECMS#? Not as of yet.

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 – SR 0081 in Luzerne
 - 2026 – SR 0080 in Luzerne - SR 0081 in Lackawanna
 - 2027 – Not as of yet.

▶ 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
4-2	959.6	2.5		52.1	3.1		
4-3	7,397	4,958		17,425	5,050		
4-4	50			2,000	400		
4-5	600	1,400		10,700	32,806		
4-6	3,055	27,470		7,000			
4-7		40		9,500	5,000		
TOTAL TONS							

LVR = Low Volume Roads

District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
- No issues or concerns as of yet.
- Are contractors in your District having any issues complying?
- Not that I'm aware of.

District 6.3 mm & SMA Projects

- List 2025 6.3 mm Thin Lift projects

None

- List 2025 SMA Projects & Note those with 10% RAP

1. SR 6006 North Scranton Exp. (Already awarded).
2. SR 0081 in Lackawanna County (Dual bid)
3. 0 with 10% RAP

List any 2025 or 2026 HiMOD SMA Pilot Projects?

1. None

- What did you learn from any 2024 HiMOD Projects?

District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 15% and total tons 224,691
 - Binder - 15% and total tons 226,447
 - Base – 15 % and total tons 115,297
 - Average RAP % of all mixes – 17.5% and total tons
 - 99,126 tons of RAP used in mixes.
 - (One producer uses a 30% RAP wearing)
- How do we overcome the impediments to increasing RAP% in the mixes? Availability, and processing of RAP is costly.

DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps.
- We are hearing of inconsistent test results.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? The added workloads to Technicians and Inspectors, shortages of both.

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.

None as of now.

2024 District Issues - Problems

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

2025 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ None
- Any staff changes since last year?
None

Audience Questions/Comments???



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