

PAPA Regional Technical Meeting

March 18, 19 & 20, 2025
8:00 AM to 3:00 PM
District 1

Kevin Hesson
MM1
(814) 678-7199
khesson@pa.gov



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:

- 43 Lots- Mixture Acceptance by box sample
- 35 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

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

2024 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: 31
 - 100%: 7
 - <100%: 5
- Gradation: No. 200 Sieve
 - >100%: 33
 - 100%: 6
 - <100%: 4

Percent Pay:

- Gradation: PCS
 - >100%: 30
 - 100%: 1
 - <100%: 5
- Density
 - >100%: 28
 - 100%: 6
 - <100%: 1

2024 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary						
Year	2024	2023	2022	2021	2020	2019	2018
Lots Tested	29	34	71	51	41	58	59
% Density Range	87.3-97.6	88.2-97.7	87.5-97.9	89-98.1	89.2-98.1	86.9-98	87.3-97.2
% Average Density	93.8	94.3	94.3	93.7	93.4	93.8	93.5
Incentive Lots	26				0	0	0
100% Payment Lots	3						
Disincentive Lots	0						
Total \$ for Incentive Lots	174,375	217,239	221,300	217,239	221,600	229,650	234,950
Total \$ for Disincentive Lots	0	0	-3,000	0	-5,000	-23,000	0
Delta (Incentive – Disincentive)	174,375	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

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, but at times we are seeing the joint open on our spring reviews when it's not rolled in tight.
 - 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?
 - None for 2025, SR 79 performing well.
 - 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**

- 119825, Let Date 02/27/25, SR 0008, Venango County, 5,276 Tons
- 121942, Let Date 01/16/25, SR 4004, Forest County, 6,710 Tons
- 98388, Let Date 03/27/25, SR 3020, Mercer County, 3,858 Tons
- 99023, Let Date 10/23/25, SR 0077, Erie County, Est. 9,514 Tons
- 99750, Let Date 04/10/25, SR 0832, Erie County, 9,514 Tons
- 100148, Let Date 02/27/25, SR 0008, Venango County, 5,651 Tons
- 109153, Let Date 11/06/25, SR 0062, Venango County, > 1,000 Tons
- 110853, Let Date 03/27/25, SR 0322, Crawford County, 6,620 Tons
- 115350, Let Date 04/10/25, SR 0718, Mercer County, 15,348 Tons
- 117600, Let Date 02/27/25, SR 0077, Crawford County, 7,719 Tons
- 119826, Let Date 03/27/25, SR 0006, Warren County, 10,637 Tons
- 121939, Let Date 02/27/25, SR 0285, Crawford County, 10,358 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?
 - 61354, Venango county SR 8 Barkeyville to franklin
- Do you have any projects programmed for 2025 or 2026 or in future construction seasons? 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 – 99023, SR 77 Seg. 90-1852 to Seg. 110-2278
 - 2026 – TBD
 - 2027 - SR 80 MM 10 to 15, partial reconstruct

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
X-1	630			100			
X-2	1,525			2,500	7,120	280	
X-3	375					275	
X-4	2,455			925	7,059	5,120	
X-5	5,120			300	16,500		
X-6	2,850					1,210	
X-7							
X-8							
X-9							
TOTAL TONS	12,655			3,825	30,679	1,765	

LVR = Low Volume Roads

District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
 - Good, when will the results come out. We are getting question on why we require EPD's attach to the SOS when we can only approved a design without a EPD per the exemption.
- Are contractors in your District having any issues complying? No

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. 98288- SR 3020-A00
- List any 2025 or 2026 HiMOD SMA Pilot Projects?
 - 1. None
- What did you learn from any 2024 HiMOD Projects?
 - Did not have any

District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 18% and total tons 143,349
 - Binder - 18% and total tons 34,370
 - Base – 20 % and total tons 34,534
 - Average RAP % of all mixes – 18% and total tons 212,252
- How do we overcome the impediments to increasing RAP% in the mixes?
 - Overall brittle road

DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps. When will the information come out that the suppliers have been entering when submitting designs in ECAMMS. When will we move forward as a state.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? No

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Pavement Quality Task force
 - District safety stand down day.
 - Quarterly Unit meetings/ monthly teams meeting

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?
 - ✓ Jeremey Blymiller Warren/Erie counties
 - ✓ Rick Hoffman Crawford/Erie counties

Audience Questions/Comments???



Kevin Hesson
MM1
814-678-7199
khesson@pa.gov