

PAPA Regional Technical Meeting

March 19, 2026
8:00 AM to 3:00 PM
District 5

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AGENDA

1. 2025 Asphalt Mix Testing Results
2. 2025 Longitudinal Joint Density Performance
3. VRAM – JBAND Usage
4. 2026 Planned Construction Projects – Asphalt Pavement
5. 2026 – 2027 - 2028 District
Rehabilitation/Reconstruction/Construction Projects
6. 2026 Maintenance Asphalt Tons
7. District Use of 9.5 mm, 19.0 mm & 25.0 mm High RAP Mixes for LVR
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. 2025 District Issues – Problems
13. 2026 District Changes - Direction

2025 Asphalt Mix Testing

Testing:

- 158 Lots- Mixture Acceptance by box sample
- 122 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- # Requested = 4
- Retest Results
 - Passed: Result was better than original = 3
 - Result stayed the same = 1
 - Failed: Result was worse than original = 0

2025 Asphalt Mix Testing

Percent Pay (#Lots):

- AC Content
 - >100%: 69
 - 100%: 30
 - <100%: 39
- Gradation: No. 200 Sieve
 - >100%: 76
 - 100%: 29
 - <100%: 33

Percent Pay (#Lots):

- Gradation: PCS
 - >100%: 65
 - 100%: 2
 - <100%: 38
- Density
 - >100%: 86
 - 100%: 25
 - <100%: 11

2025 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2025	2024	2023	2022	2021	2020
Lots Tested	16	28	8	14	8	10
% Density Range	85.5-97.6	87.0-98.5	85.7-94.3	88.9-97.5	90.4-96.8	89.6-97.3
% Average Density	91.1	93.0	90.5	93.1	93.5	92.2
Incentive Lots	6	18				
Zero Lots	2	8				
Disincentive Lots	8	1				
Total \$ for Incentive Lots	31,245	103,755	10,250	114,000	36,500	0
Total \$ for Disincentive Lots	-69,200	-10,000	0	0	0	0
Delta (Incentive - Disincentive)	-37,775	93,725	10,250	114,000	36,500	0

**REF: Section 405 Evaluation of Bituminous Pavement
Longitudinal Joint Density and Payment of Incentive/Disincentive**

2025 Longitudinal Joint Density Performance

- Longitudinal Joint Type
 - Are you having any longitudinal joint issues?
 - If so, please explain. We have an issue with keeping joints straight and away from paint lines.
 - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
 - Yes or no

Longitudinal Joint VRAM (JBAND)

- Did you construct any longitudinal joints using J-Band (**V**oid **R**eduction **A**sphalt **M**embrane **V**RAM) instead of PUB 408 Section 405?
 - How many projects in 2025? 3
 - How many projects in 2026? 6
 - What are your observations? Although a lot of placements are recent, we've had nothing but success.

Void Reducing Asphalt Membrane (VRAM)

- ECMS 87661 SR 81 Pilot Project 2018-2019

*Note: VRAM joint from 2018, Non-VRAM joint from 2019

Field View



Field View



Void Reducing Asphalt Membrane (VRAM)

- SR 380 Today!!



▶ 2026 Planned Construction Projects

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

- ECMS #61972, Let Date 10/22/26, SR 222, Berks, 120,549 Tons
- ECMS #101701, Let Date 5/21/26, SR 345, Berks, 12,865 Tons
- ECMS #110183, Let Date 3/26/26 SR 29, Lehigh, 15,900 Tons
- ECMS #122279, Let Date 6/18/26 SR 309, Lehigh, 4,623 Tons
- ECMS #102312, Let Date 4/28/26 SR 309, Lehigh, 10,826 Tons
- ECMS #102160, Let Date 7/16/26 SR 309, Lehigh, 49,771 Tons
- ECMS #111166, Let Date 5/21/26 SR 378, Lehigh, 12,370 Tons
- ECMS #96413, Let Date 12/03/26 SR 2005, Lehigh, 17,390 Tons

▶ 2026 Planned Construction Projects

- **List Projects With > 1000 tons of Asphalt Paving**
 - ECMS #118999, Let Date 5/07/26, SR 80, Monroe, 13,950 Tons
 - ECMS #95398, Let Date 6/19/26, SR 209, Monroe, 4,000 Tons
 - ECMS #101570, Let Date 4/09/26 SR 248, Northampton, 9,300 Tons
 - ECMS #101576, Let Date 4/23/26 SR 611, Northampton, 9,400 Tons
 - ECMS #117509, Let Date 7/16/26 SR 2018, Northampton, 2,820 Tons
 - ECMS #101591, Let Date 4/9/26 SR 54, Schuylkill, 7,105 Tons
 - ECMS #109993, Let Date 3/12/26 SR 309, Schuylkill, 7,400 Tons

District Rehabilitation Projects

- Have you bid and/or completed any fractured slab (i.e. crack & seat, break & seat, or rubblization) projects with asphalt structural overlay in the past few years?
 - If so, please briefly discuss project and any take-aways?
 - SR 33/209 Monroe County completed in 2011, SR 80 in Carbon County completed in 2019.
 - SR 33 visibly is holding up much better than any other section of SR 33 paved around the same time.
 - SR 80 was able to pave 156,00 tons in one paving season and received a \$106,000 IRI bonus.
 - SR 209 Monroe County completed 2025. PAPA award winner.
- Do you have any projects programmed for 2026 or 2027 or in future construction seasons? If so, where and what is the ECMS#?

No.

▶ Crack and Seat performed SR 33 North -- 9/2025



▶ Crack and Seal not performed SR 33 South -- 9/2025



District Reconstruction/Construction Projects

- Do you have any highway reconstruction or construction projects programmed to be let for 2026, 2027 or 2028 construction seasons? If so, when (anticipated let date), where (County, SR - Segment – Offsets) and what is the ECMS# (if known)?
- 2026 –
 - 78-SPP #10605 Berks County, Let 8/27/26 (either concrete or asphalt-concrete composite pavement for a new police weigh station so not mainline).
 - 222-28M #61972 Berks County, Let 10/22/26 (pave type still being determined but very likely asphalt)
 - 78-24M #112346 (ramps).
 - 309-KBP #122279 Lehigh County, Let 6/18/26, (roundabout).
 - 309-19M #102160 Lehigh County, Let 7/16/26, (Interchange).
 - 80-BO1 #118999 Monroe County, Let 5/07/26 (concrete on 80 but asphalt for 611 recon).
 - 611-11M #74979 Monroe County, Let 8/12/27 (Widening/Realignment).
- 2027 – 3023-05S #117603, Berks county, Let 5/13/27 (roundabout)
 - 611-11M #74979 Monroe County, Let 8/12/27 (Widening/Realignment).
- 2028 - 662-02S #105963 Berks County, Let 2/17/28. (roundabout)
 - 442-PH1 #114439 Berks County.

2026 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
5-1		20816			12331		
5-2		8286			11861		
5-3		5094			9381		
5-4		10538			5608		
5-5		5437			11927		
5-6		27888			13942		
TOTAL TONS		78059			65050		

LVR = Low Volume Roads

▶ High RAP Mixes for Low Volume Roads (LVR)

- What is the highest % of RAP in any LVR Mix in your District?
 - 9.5mm – 40%
 - 19.0mm - 40%
 - 25.0mm - 30%

District 6.3 mm & SMA Projects

- List 2026 6.3 mm Thin Lift projects
 1. None.
- List any 2025 or 2026 HiMOD SMA Pilot Projects?
 1. #72823 SR 78-22M
- Would you spec anymore HiMOD Projects? Why or why not?

Depends on the #72823 pilot.

District SMA Projects

- List 2023-2025 how many tons of SMA per year
 - 2023: 24,948 tons.
 - 2024: 39,440 tons.
 - 2025: 31,958 tons.
- List 2026 SMA Projects & Note those with 10% RAP
 1. None on current let schedule.

District 2025 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 20% and total tons 190,435
 - Binder - 17% and total tons 117,252
 - Base – 21 % and total tons 109,379
 - Average RAP % of all mixes – 19% and total tons 417,066
- How do we overcome the impediments to increasing RAP% in the mixes?
 - ??
 - ??
 - ??

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - HiMOD on #72823 SR 78-22M. An area with 64E-22 and one with HiMOD for future comparison.
 - Used first fiberless SMA design. HiMOD and SMA control design to be placed 2026.

District Issues Pre-Pave Meetings

- Who attends from your district: Material Manager, Contractor, inspection staff, IIC and QA.
- What are the top 3- 5 topics you make sure to discuss?
 - Sampling
 - Designs
 - Special Provisions
 - Tacking
 - Trucks/Equipment

District Issues Pre-Pave Meetings

- What issues are you seeing that should have been covered in the pre-pave meeting?
 - Density acceptance on shoulders
 - Setting up lots
 - E-ticketing required
 - EPD attached with ECMS source of supply submittals.

2026 District Changes - Direction

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

- Any staff changes since last year?
 - ✓Jeremy Lichtenwalner promoted to TCIS.

Audience Questions/Comments???



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