

PAPA Regional Technical Meeting

March 18, 2026
8:00 AM to 3:00 PM
District 2-0

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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:

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

Failure:

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

Retests Requested:

- # Requested = 3
- Retest Results
 - Passed: Result was better than original = 2
 - Result stayed the same = 0
 - Failed: Result was worse than original = 1

2025 Asphalt Mix Testing

Percent Pay (#Lots):

- AC Content
 - >100%: 44
 - 100%: 45
 - <100%: 11
- Gradation: No. 200 Sieve
 - >100%: 46
 - 100%: 45
 - <100%: 9

Percent Pay (#Lots):

- Gradation: PCS
 - >100%: 49
 - 100%: 1
 - <100%: 4
- Density
 - >100%: 44
 - 100%: 47
 - <100%: 6

2025 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2025	2024	2023	2022	2021	2020
Lots Tested	28	22	10	20	18	33
% Density Range	88.7-97.9	86.3-98	89.7-96.6	88.8-98.1	89.0-97.5	88.1-97.9
% Average Density	93.7	93.4	93.3	93.5	92.4	94.1
Incentive Lots	25	16	8	14	10	29
Zero Lots	2	3	2	6	8	3
Disincentive Lots	1	3	0	0	0	1
Total \$ for Incentive Lots	156,450	\$91,950	\$51,000	\$85,375	\$35,325	\$212,175
Total \$ for Disincentive Lots	-12,500	-\$23,500	0	0	0	-\$1,750
Delta (Incentive – Disincentive)	\$143,950	\$68,450	\$51,000	\$85,375	\$35,325	\$210,425

**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. *Not with new joints.*
 - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
 - *Verify that they are constructing proper notch*

Longitudinal Joint VRAM (JBAND)

- Did you construct any longitudinal joints using J-Band (**V**oid **R**eduction **A**sphalt **M**embrane **VRAM**) instead of PUB 408 Section 405?
 - How many projects in 2025? [SR 0080-B42 Clfd](#)
 - How many projects in 2026? [SR 0080-B43](#) and [SR 0080-B50- Centre County](#)

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?
- What are your observations?
 - Difficulty with Scheduling, Sequencing and Coordination between Subcontractor and Paving Crew
 - Initially placed 3 miles at a time
 - Had live traffic on it
 - State Police raised concern with wet conditions
 - VRAM now not left open to live traffic
 - Expensive

▶ 2026 Planned Construction Projects

ECMS #	Let Date	SR	County	Tons
88579	04/18/2024	0080-B42	Clearfield	64000
118401	11/6/2025	St College Path	Centre	2200
119245	11/6/2025	SR 0153-277	Clearfield	31000
116886	11/6/2025	0022-P54	Juniata	5000
116620	12/4/2025	0120-407	Cameron	8600
117079	12/11/2025	0446-543	McKean	6000
4096	12/11/2025	2019-A02	Juniata	1100
93363	02/26/2026	120-408	Cameron	29000
84099	02/26/2026	0049-A08	Potter	1800
85314	02/26/2026	0049-A13	Potter	1600

2026 Planned Construction Projects

ECMS #	Let Date	SR	County	Tons
108877	03/26/2026	GR 2-26-ST9	Juniata	8600
85-85	3/26/2026	0046-A02	Cameron	1600
88577	04/09/2026	0080-B43	Centre	29000
122631	04/23/2026	0350-HFS	Centre	1600
122633	04/23/2026	0729-HFS	Clearfield	3000
122632	04/23/2026	0120-HFS	Clinton	3900
72767	05/07/2026	0522-719	Mifflin	15000
123081	06/18/2026	0322-OFF	Centre	2000
109238	09/17/2026	0080-B50	Centre	51000

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?
 - No
- Do you have any projects programmed for 2026 or 2027 or in future construction seasons? If so, where and what is the ECMS#?
 - No

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 –
 - SR 0219-275 Clearfield County Dubois ECMS 117237 (small amount of reconstruct- Mostly mill and overlay)
 - 2027 –
 - SR 0120-821 Elk County ECMS 117069
 - 2028 –
 - SR 0120-824 Elk County ECMS 121032

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
2-1 Centre	400			200			
2-2 Clearfield	5300			8100			
2-3 Clinton	100			300			
2-4 Cameron	3900			10			
2-5 McKean	600			800			
2-6 Potter	4000			50			
2-7 Mifflin	700			50			
2-8 Elk	700			3300			
2-9 Juniata	1600			400			
TOTAL TONS	17,300			13,230			

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 – 25%
 - 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. SR 0080-B42 Clearfield
- Would you spec anymore HiMOD Projects? Why or why not?
 - Similar to regular 64E-22 SMA
 - Time will tell if the HiMOD outperforms the 64E-22 and justifies the additional cost
 - Would consider using again especially we received funding to cover the cost of this material

District SMA Projects

- List 2023-2025 how many tons of SMA per year
 - 2023: 0
 - 2024: 16,527
 - 2025: 34,167

- List 2026 SMA Projects & Note those with 10% RAP
 1. SR 0080-B42 Clearfield
 2. SR 0080-B43 Centre
 3. SR 0080-B50 Centre

District 2025 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 14.1% and total tons 26,605 tons RAP
 - Binder - 24.9% and total tons 20,019 tons RAP
 - Base – 22.7 % and total tons 6,818 tons RAP
 - Average RAP % of all mixes – 18.5% and total tons 53,441 tons RAP
- How do we overcome the impediments to increasing RAP% in the mixes?
 - Volume/supply of available RAP
 - Quality of mix- performance
 - Plant capacity (batch plant/drum plant)
(Variable Speed Drum)
 - RAP gradation- Fractionate
 - Use of rejuvenators

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - VRAM- Innovation
 - Still need to follow best practices of building a good quality joint
 - HiMOD Asphalt- See slide 14
 - Fiberless SMA-
 - Innovation- Yes
 - Best Practice – Remains to be seen
 - Flushing Issue– Working through this challenge
 - Echelon Paving- Travel lane and 10 foot shoulder
 - Full Width Paving- Travel/Passing lane, 4 foot shoulder

District Issues Pre-Pave Meetings

- Who attends from your district
 - Materials Staff, IIC, ACE, Project Super, Paving Super
- What are the top 3- 5 topics you make sure to discuss?
 - Distributor Trucks
 - Tack Coat
 - Project Temp Checks
 - Material Acceptance
 - Silo Storage Time

District Issues Pre-Pave Meetings

- What issues are you seeing that should have been covered in the pre-pave meeting?
 - Flushing

2026 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ Special Provision for obtaining longitudinal joint cores and calculating density at VRAM joints (for information only)
 - ✓ Special Provision eliminating the Fiberless SMA
- Any staff changes since last year?
 - ✓ Brent Lykens – ADE Construction
 - ✓ Shawn McFarland Construction Services Engineer
 - ✓ Jon Mann – Construction Manager
 - ✓ Pat Sherwin- Materials Inspector-North

Audience Questions/Comments???



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