

PAPA Regional Technical Meeting

March 20, 2025
8:00 AM to 3:00 PM
District 6-0

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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:

- 220 Lots- Mixture Acceptance by box sample
- 208 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- # Requested = 11
- Retest Results -
 - # passed = 9
 - # failed = 2

2024 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: #149
 - 100%: #42
 - <100%: #29
- Gradation: No. 200 Sieve
 - >100%: #161
 - 100%: #37
 - <100%: #22

Percent Pay:

- Gradation: PCS
 - >100%: #156
 - 100%: #0
 - <100%: #23
- Density
 - >100%: #157
 - 100%: #43
 - <100%: #8

➤ 2024 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary						
Year	2024	2023	2022	2021	2020	2019	2018
Lots Tested	1	2	14		10	1	
% Density Range	91.1-93	88.2-92	88.9-97.5		89.6-97.3	91.4-95.1	
% Average Density	92.1	90.1	93.1		92.2	93.9	
Incentive Lots	1						
100% Payment Lots	0						
Disincentive Lots	0						
Total \$ for Incentive Lots	3,000	0	114,000		0	4,150	
Total \$ for Disincentive Lots	0	-2,250	0		0	0	
Delta (Incentive – Disincentive)	3,000	-2,250	114,000		0	4,150	

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?
 - Vertical (Butt) used when behind barrier
 - Tapered (Wedge) Because we need to open roads
 - Are you having any longitudinal joint issues?
 - If so, please explain. 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?
 - VRAM on I76 and I476 These are Major Roads that we hope will last longer. Incentive/Disincentive works well but not as good. Ford vs. Mercedes
 - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
 - ??? The more training the better.

▶ 2025 Planned Construction Projects

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

- E79905, 1/30/2025, SR95 SEC BR3, Phila, 13,913 tons
- E81292, 05/08/2025, SR2007 SEC FAR Phila, 2,872 tons
- E112525, 03/27/25, SR 000 SEC 111 Phila, 60,431 tons
- E104807, 04/17/25, SR 030 SEC SK2 Chester, 9,099 tons
- E107636, 07/10/25, SR 000 SEC NG2 Bucks, 3,183 tons
- E81809, 03/27/25, SR 3013 SEC C14 Chester, 34,840 tons
- E81813, 04/19/25, SR 073 SEC M15 Mont, 64,500 tons
- E81742, 03/27/25, SR 513 SEC B16 Bucks, 77,150 tons
- E81822, 02/27/25, SR 2007 SEC D15 Del, 32,750 tons
- E81876, 04/17/25, SR 000 SEC P14 Phila, 81,300 tons

➤ 2025 Planned Construction Projects

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

- E114173, 5/8/25, SR 001 SEC XBA, Phila
- E95429, 6/5/25, SR 202 SEC LPR, Delaware
- E66952 7/10/25, SR023 SEC 2NG, Mont
- E104343 9/11/25, SR 322 SEC CSX, Delaware
- E116147 9/25/25, SR 00 SEC CCT, Delaware
- E13635 10/23/25, SR 2029 SEC S29, Bucks
- E120762 10/23/25, SR3015 SEC SP1, Phila
- E110310 12/11/25, SR 2089 SEC ALM, Bucks

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**
 - If so, please briefly discuss project and any take-aways?
- 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)?
 - March 2025 E79905 SR 95 BR3 Betsy Ross \$320 Mil Phila
 - April 2025 SR 422 Pavement Preservation \$10 mil Mont

▶ 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
Bucks	68,700			1,750		6,700	
Chester	34,200					640	
Delaware	32,500					250	
Montgomery	57,500					7,000	
Philadelphia	76,800					4,500	
X-6							
X-7							
X-8							
X-9							
TOTAL TONS	269,700			1,750		19,090	

LVR = Low Volume Roads

District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
 - Pluses EPD's offer a chance to minimize the negative environmental impacts of construction and maintaining our transportation infrastructure, while also finding potential energy and cost savings for producers during material production.
 - Minuses Couple of data entry mistakes. Handled but affected others.
 - Recommendations Be sure to double check your entries before submission, because it affects others.
- Are contractors in your District having any issues complying? Maintenance and Municipalities Do Not Need EPD

District 6.3 mm & SMA Projects

- List 2025 6.3 mm Thin Lift projects
 1. 0
 2. 0
- List 2025 SMA Projects & Note those with 10% RAP
 1. I 76
 2. I 476
 3. SR 309
- List any 2025 or 2026 HiMOD SMA Pilot Projects?
 1. I 76
- What did you learn from any 2024 HiMOD Projects?
 - Temperature

District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 22% and total tons 442,705
 - Binder - 21% and total tons 139,299
 - Base – 25 % and total tons 112,117
 - Average RAP % of all mixes – 23% and total tons 694,121
- How do we overcome the impediments to increasing RAP% in the mixes?
 - Rejuvenator's?
 - ??
 - ??

DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps. Just waiting on Harrisburg
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? Whenever Failures occur, the leading problem is Field Sampling. So Maybe extra training for field personnel.

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Still looking for Cold Central Plant Recycle (CCPR) job
 - X
 - x

2024 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - Cleaning out truck beds
 - X

2025 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ EPD's in JMF's
 - ✓ Encourage SP2 products(Zycotherm)
- Any staff changes since last year?
 - ✓ Devon Krupnick
 - ✓ Steven Fuentes

Audience Questions/Comments???



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