

PAPA Regional Technical Meeting

March 18, 2025
8:00 AM to 3:00 PM
District 11

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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:

- 169 Lots- Mixture Acceptance by box sample
- 128 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- # Requested = 4
- Retest Results -
 - # passed = 3
 - # failed = 1

2024 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: 119
 - 100%: 31
 - <100%: 19
- Gradation: No. 200 Sieve
 - >100%: 137
 - 100%: 30
 - <100%: 2

Percent Pay:

- Gradation: PCS
 - >100%: 123
 - 100%: 0
 - <100%: 13
- Density
 - >100%: 98
 - 100%: 26
 - <100%: 4

2024 Longitudinal Joint Density Performance

| | Longitudinal Joint Density Summary | | | | | | |
|----------------------------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Year | 2024 | 2023 | 2022 | 2021 | 2020 | 2019 | 2018 |
| Lots Tested | 25 | 22 | 8 | 10 | 21 | 16 | 28 |
| % Density Range | 84.3-97.8 | 92.2-98.3 | 92.2-97.2 | 87.7-97.7 | 88.9-97.3 | 88.5-97.9 | 86.0-98.0 |
| % Average Density | 94.3 | 94.6 | 94.6 | 94.1 | 93.9 | 94.5 | 93.9 |
| Incentive Lots | 25 | | | | | | |
| 100% Payment Lots | 0 | | | | | | |
| Disincentive Lots | 0 | | | | | | |
| Total \$ for Incentive Lots | 169,575 | 55,500 | 51,000 | 29,500 | 81,500 | 106,303 | 283,000 |
| Total \$ for Disincentive Lots | 0 | 0 | 0 | -3000 | 0 | 0 | 0 |
| Delta (Incentive – Disincentive) | 169,575 | 55,500 | 51,000 | 26,500 | 81,500 | 106,303 | 283,000 |

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?
 - We currently have no longitudinal joint issues.
 - 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 no VRAM scheduled this year
 - 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

- ECMS 119503, Let Date 10/24/2024, SR 2051/A06, Allegheny County, 4,332 Tons
- ECMS 27445, Let Date 7/10/2025, SR 22/A37, Allegheny County 35, 281 Tons
- ECMS 108528, Let Date 3/13/2025, Allegheny Grp, 33,155 Tons
- ECMS 116559, Let Date 3/13/2025, SR 68/B45, Beaver County, 14,250 Tons
- ECMS 104328, Let Date 6/5/2025, SR 79/A65, Allegheny County, 26,290 Tons
- ECMS 35156, Let Date 7/24/2025, SR 65/B33, Beaver County, 2,241 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?
 - Break and Seat for ECMS 91565, SR79 A69 "S Bends" with SMA overlay.
- Do you have any projects programmed for 2025 or 2026 or in future construction seasons? If so, where and what is the ECMS#?
 - Currently No future projects

District Reconstruction Projects

- Do you have any highway reconstruction projects programmed to be let for 2025, 2026 or 2027 construction seasons?
- 2025 – SR 68 B45, Rochester, Beaver Co. Virginia Ave to Adams Street. Segments 0380/0000 TO 0400/2485
- 2025 – SR 3005 A11, Allegheny Co. Station Street (Approx 1788 LF). Segments 0070/0000 TO 0070/1288
- 2026 – SR 0837 A54 State Street, Allegheny County, Segment 0120/0000 TO 0160/0300 (reconstruction limits, not the limits of the project)
- 2026 – SR 885 Walnut Avenue, Allegheny County, Segment 0010/0000 TO 0020/1136
- 2026 – SR 48 A44 Mosside Blvd, Allegheny County, Segment 0330/0000 TO 0381/0248 (includes all limits, reconstruction limits still being determined.)
- 2026 –SR 3009 A24 Baptist Road, Allegheny County, Segment 110/0000 TO 130/3086

▶ 2025 Maintenance Asphalt Tons (Estimated)

| County | 9.5 mm | 9.5 mm LVR | 19.0 mm | 19.0 mm LVR | 25.0 mm | 25.0 Mm LVR | | |
|-------------------|--------------|------------|---------------|-------------|--------------|-------------|--|--|
| Allegheny | 225 | | 400 | | 1,000 | | | |
| Beaver | 800 | | 1,000 | | 200 | | | |
| Lawrence | 1,000 | | 17,000 | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| TOTAL TONS | 2,225 | | 18,400 | | 1,200 | | | |

LVR = Low Volume Roads



District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
So far so good!
- 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

ECMS 74454 SR 376 A79

ECMS 87767 SR 376 A74

- List any 2025 or 2026 HiMOD SMA Pilot Projects?

ECMS 74454 SR 376 A79 (SMA w/ 76E-28HP)

- What did you learn from any 2024 HiMOD Projects?

Project currently ongoing

District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 17% and total tons 235,644.59
 - Binder - 25% and total tons 181,080.72
 - Base – 26 % and total tons 155,360.93
 - Average RAP % of all mixes – 22.6% and total tons 572,086.24
- How do we overcome the impediments to increasing RAP% in the mixes?
 - Specs for use on High Volume Roads
 - For wearing courses, it would require tracking RAP SRL's

DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps.
- District 11 producers are ready to move forward once specification is in place.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
- None to share

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Using Fibreless SMA in D11

2024 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
- Cleanliness of truck beds before state shipments.
 - District 11 producers are extremely responsive.

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?

Jimmy Hontz was promoted to ACE in Construction

Adam Krehnovi promoted to DMM

Ryan Johnson promoted to MM1 Beaver and Lawrence Co.

Robert Titterington Materials TCI in Allegheny Co.

Charles Dusetzina Materials TCI Beaver and Lawrence Co.

Audience Questions/Comments???



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