

# PAPA Regional Technical Meeting

**March 19, 2025**  
**8:00 AM to 3:00 PM**  
**District 9**

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# 2024 Asphalt Mix Testing

## Testing:

- 70 Lots- Mixture Acceptance by box sample
- 28 Lots – Density Acceptance by pavement core

## Failure:

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

## Retests Requested:

- # Requested = 1
- Retest Results -
  - # passed = 1
  - # failed = 0

# 2024 Asphalt Mix Testing

## Percent Pay:

- AC Content
  - >100%: 56
  - 100%: 4
  - <100%: 10
- Gradation: No. 200 Sieve
  - >100%: 53
  - 100%: 4
  - <100%: 13

## Percent Pay:

- Gradation: PCS
  - >100%: 60
  - 100%: 0
  - <100%: 5
- Density
  - >100%: 21
  - 100%: 2
  - <100%: 5

# 2024 Longitudinal Joint Density Performance

|                                  | Longitudinal Joint Density Summary |           |           |           |           |           |           |
|----------------------------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Year                             | 2024                               | 2023      | 2022      | 2021      | 2020      | 2019      | 2018      |
| Lots Tested                      | 7                                  | 11        | 11        | 17        | 10        | 4         | 7         |
| % Density Range                  | 74.8-94.6                          | 87.4-97.2 | 88.1-96.3 | 87.4-96.8 | 85.0-95.2 | 88.5-94.8 | 87.2-95.6 |
| % Average Density                | 91.0                               | 93.7      | 91.3      | 92.7      | 91.6      | 91.9      | 92        |
| Incentive Lots                   | 4                                  | 10        | 3         | 14        | 8         | 2         | 6         |
| 100% Payment Lots                | 1                                  | 0         | 5         | 2         | 0         | 2         | 1         |
| Disincentive Lots                | 2                                  | 1         | 3         | 1         | 2         | 0         | 3         |
| Total \$ for Incentive Lots      | 18,750                             | 70,724    | 14,250    | 67,375    | 32,000    | 8,000     | 26,000    |
| Total \$ for Disincentive Lots   | 12,750                             | 1,050     | 6,500     | 11,000    | 4,800     | 0         | 1,200     |
| Delta (Incentive – Disincentive) | 6,000                              | 69,675    | 7,750     | 56,375    | 27,200    | 8,000     | 24,800    |

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)
    - Tapered (Wedge)
  - Are you having any longitudinal joint issues?
    - Performing well overall but joint density appears to be falling
  - 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?
    - Yes, Will continue to use on centerline joint on high volume roads
  - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
    - Training for new staff, both Department and Contractors

# ▶ 2024-25 Material Usage (Actuals & Projected)

| <b>MATERIAL</b>                     | <b><i>2024<br/>Projected</i></b> | <b>2024 Actual</b> | <b><i>2025<br/>Projected</i></b> |
|-------------------------------------|----------------------------------|--------------------|----------------------------------|
| <b>ASPHALT (TONS)</b>               | <i>385,000</i>                   | 378,219            | <i>360,000</i>                   |
| <b>AGGREGATE (TONS)</b>             | <i>435,000</i>                   | 522,968            | <i>410,750</i>                   |
| <b>STRUCTURAL CONCRETE<br/>(CY)</b> | <i>6,500</i>                     | 8,300              | <i>6,800</i>                     |
| <b>CONCRETE PAVING (SY)</b>         | <i>5,400</i>                     | 4,973              | <i>3,900</i>                     |

# 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?
  - Cambria County, 56 Expressway into Johnstown
  - Started in 2024 and will finish 2025
- Do you have any projects programmed for 2025 or 2026 or in future construction seasons? If so, where and what is the ECMS#?
  - Not at this time

# 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 – ECMS 113997, Cambria Co, SR 22, Section 030
    - Mostly a pavement preservation project but there will be small sections of reconstruction
    - Anticipated let of 7/10/2025



## 2025 Maintenance Asphalt Tons (Estimated)

- No Department Force paving in 2024 and none planned for 2025

## District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
  - Only has been in effect for 2.5 months.
  - All mix designs that were submitted with EDP attached have been approved.
- Are contractors in your District having any issues complying?
  - No issues to date

# District 6.3 mm & SMA Projects

- List 2025 6.3 mm Thin Lift projects
  1. ECMS 112241, Blair Co, SR 99, Section 021
  2. ECMS 117707, Blair Co, SR 22 Section 058
- List 2025 SMA Projects & Note those with 10% RAP
  1. ECMS 23478, Somerset Co, SR 219, Section 047
    - No RAP
  2. ECMS 91537, Fulton Co, SR 70, Section 034
    - No RAP
- List any 2025 or 2026 HiMOD SMA Pilot Projects?
  1. ECMS 23478, Somerset Co, SR 219, Section 047
- What did you learn from any 2024 HiMOD Projects?
  1. Material will be placed in 2025

## District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
  - Wearing - 18% and total tons ~160,000
  - Binder - 29% and total tons ~92,000
  - Base – 19 % and total tons ~26,000
  - Average RAP % of all mixes – 22% and total tons ~278,000
- How do we overcome the impediments to increasing RAP% in the mixes?
  - RAP management and room to store it

## DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps.
  - Continue to collect and analyze data to set baselines
  - Start developing mix design specifications to include BMD
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
  - Some producer BMD data formats did not match formats in eCAMMS.

# District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
  - VRAM
    - Center lane joint on major high-volume roadways
  - HiMA SMA
    - Will be doing a pilot this season
  - Continue use of local acceptance testing.

## 2024 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
  - No major issues.

## 2025 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
  - ✓ No changes
- Any staff changes since last year?
  - ✓ Garth Bridenbaugh moved back to QA
  - ✓ Mike Henry is now D-9 Construction Services Engineer



# Audience Questions/Comments???



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