

PAPA Regional Technical Meeting

March 18, 2025
8:00 AM to 3:00 PM
District 10

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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:

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

Failure:

- 0 - AC Content failures
- 0 - Gradation failures
- 0 - 200 Sieve
- 0 - 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%: 86
 - 100%: 4
 - <100%: 12
- Gradation: No. 200 Sieve
 - >100%: 82
 - 100%: 6
 - <100%: 16

Percent Pay:

- Gradation: PCS
 - >100%: 85
 - 100%: 0
 - <100%: 13
- Density
 - >100%: 92
 - 100%: 5
 - <100%: 3

➤ 2024 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary						
Year	2024	2023	2022	2021	2020	2019	2018
Lots Tested	20	18	28	32	12	39	38
% Density Range	87.9 – 97.4	89.1-97.7	85.8-96.9	88.0-97.7	88.6-97.6	84.1-97.6	88.8-97.1
% Average Density	94	94.1	93.5	94.2	93.2	92.8	93.0
Incentive Lots	18	15	26	27	10	35	43
100% Payment Lots	1	3	0	3	2	4	1
Disincentive Lots	1	0	0	2	0	1	0
Total \$ for Incentive Lots	136,500	79,750	198,975	175,050	82,000	150,900	177,500
Total \$ for Disincentive Lots	-1000	0	0	-21,000	0	0	0
Delta (Incentive – Disincentive)	135,500	79,750	198,975	154,050	82,000	150,900	177,500

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) **Mainly on low volume, narrow routes**
 - Tapered (Wedge) **Mainly on high volume, wide routes**
 - Are you having any longitudinal joint issues?
 - If so, please explain. **No issues (Avg. Joint Density 94%)**
 - 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?
 - **Not currently used or planned.**
 - Do contractors or staff in your District need any training on how to construct a quality longitudinal pavement joint?
 - Yes or no **No**

▶ 2025 Planned Construction Projects

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

• ECMS #	Let/Estimate	Route	County	Ton Asphalt
• 88615	9/12/24	422	Indiana	45,671
• 100212	1/30/25	28	Jefferson	20,100
• 120118	2/27/25	79	Butler	12,766
• 116387	3/13/25	Various	Armstrong	72,850
• 100126	3/27/25	68	Clarion	14,615
• 119938	3/27/25	22	Indiana	5,700
• 100270	3/27/25	322	Jefferson	15,820
• 117136	4/10/25	Various	Butler	21,605
• 99604	4/24/25	Various	Indiana	18,980
• 114507	6/26/25	Various	Clarion	24,435

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?
 - **None completed within recent years.**
- 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)?
 - 2025 – **None**
 - 2026 – **Butler Co. SR 228 from Seg 340 to 420 #105900**
Let date: Spring of 2026 Paving start: 2027
Estimated tons: 38,000
 - 2027 - **None**

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
10-1 (7050)	2100	100	0	0	4850	0	0
10-2 (12075)	5000	625	0	0	6450	0	0
10-3 (11475)	975	0	0	0	10500	0	0
10-4 (24950)	550	20000	0	400	4000	0	0
10-5 (69325)	0	53485	6040	0	9200	0	600
TOTAL TONS	8625	74210	6040	400	35000	0	600

LVR = Low Volume Roads



District EPD Status

- Please discuss your experience with the implementation of the Asphalt EPD Policy & SSP.
Very little experience but we are learning as we go.
- Are contractors in your District having any issues complying? **No**

District 6.3 mm & SMA Projects

- List 2025 6.3 mm Thin Lift projects
 1. **None**
- List 2025 SMA Projects & Note those with 10% RAP
 1. **88615, Indiana Co. SR 422 (0% RAP)**
 2. **119938, Indiana Co. SR 22 (0% RAP)**
 3. **120118, Butler Co. I-79 (0% RAP)**
- List any 2025 or 2026 HiMOD SMA Pilot Projects?
 1. **Not currently planned.**
- What did you learn from any 2024 HiMOD Projects?
N/A

District 2024 RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 19% and total tons 242,900
 - Binder - 17% and total tons 96,750
 - Base – 24 % and total tons 127,875
 - Average RAP % of all mixes – 20% and total tons 467,525
- How do we overcome the impediments to increasing RAP% in the mixes?
 - Our pavement engineer is not in favor of increasing RAP (High volume and SMA)
 - RAP supply demand
 - Require more time for additional testing and controlling stockpile

DISTRICT STATUS BMD HWTT/IDEAL-CT TESTING

- Please discuss District opinion of BMD status & next steps.
We think BMD might be a good thing, but we don't have enough experience at this time.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? **Currently no issue. We are waiting for the next step or direction from CO.**

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - **None at this point.**

2024 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - **We didn't have any issues with our producers.**
 - **We had a major issue with a paving contractor where they were not placing longitudinal joints in a correct location.**

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 for this year.**
- Any staff changes since last year?
 - ✓ **Chad Troxell – TCI (Ben Warner’s replacement)**

Audience Questions/Comments???



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