

PAPA Regional Technical Meeting

March 19, 2024
8:00 AM to 3:00 PM
District 10

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Agenda

1. 2023 Asphalt Mix Testing Results
2. 2023 Longitudinal Joint Density Performance
3. 2024 Planned Construction Projects
4. 2024 District Rehabilitation Projects
5. 2024 Maintenance Asphalt Tons
6. District Use of 9.5 mm, 19.0 mm & 25.0 mm High RAP Mixes for LVR
7. District eTicketing 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. 2023 District Issues – Problems
13. 2024 District Changes - Direction

2023 Asphalt Mix Testing

Testing:

- 118 Lots- Mixture Acceptance by box sample
- 102 Lots – Density Acceptance by pavement cores

Retests Requested:

- # Requested – 0
- Retest Results - N/A
 - # passed N/A
 - # failed N/A

2023 Asphalt Mix Testing

Pay Factors:

- AC Content
 - >100.00%: #97
 - 100.00%: #4
 - <100.00%: #7
- Gradation: No. 200 Sieve
 - >100.00%: #100
 - 100.00%: #4
 - <100.00%: #4

Pay Factors:

- Gradation: PCS
 - >100.00%: #90
 - 100.00%: #XX
 - <100.00%: #14
- Density
 - >100.00%: #82
 - 100.00%: #15
 - <100.00%: #5

2023 Asphalt Mix Testing

Testing:

- 118 Lots- Mixture Acceptance by box sample
- 102 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 – 0
- Retest Results -
 - # passed N/A
 - # failed N/A

Performance

	Longitudinal Joint Density Summary					
Year	2023	2022	2021	2020	2019	2018
Lots Tested	18	28	32	12	39	38
% Density Range	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	94.1	93.5	94.2	93.2	92.8	93.0
Total \$ for Incentive Lots	79,750	198,975	175,050	82,000	150,900	177,500
Total \$ for Disincentive Lots	0	0	-21,000	0	0	0
Delta (Incentive - Disincentive)	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

Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Vertical – Mainly on low volume, narrow routes
 - Tapered – Mainly on high volume, wide routes
 - Are you having any longitudinal joint issues?
 - No issues
 - Did you or are you planning to use J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - Not currently planned

2024 Planned Construction Projects

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

• ECMS #	Let/Estimate	Route	County	Ton Asphalt
• 112946	1/11/24	66	Clarion	13,862
• 100226	1/25/24	322	Jefferson	33,511
• 115154	2/1/24	322	Clarion	14,051
• 118045	2/29/24	208	Clarion	10,039
• 120718	3/14/24	66	Armstrong	25,170
• 114936	3/28/24	422	Armstrong	48,603
• 119726	3/28/24	Various	Armstrong	68,479
• 119731	4/18/24	Various	Butler	29,513
• 119581	4/11/24	Various	Indiana	33,776
• 86105	8/8/24	68	Butler	8,881
• 88615	8/22/24	422	Indiana	85,500
• 106502	9/26/24	68	Clarion	12,200

District Rehabilitation Projects

- Have you bid and/or completed any crack & seat break & seat projects with asphalt structural overlay in the past few years?
 - None completed within recent years.
- Do you have any projects programmed for 2024 or 2025? No

2024 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	350	1250	0	0	8150	0	0
10-2	4500	5500	0	0	4500	0	0
10-3	50	500	0	0	8700	0	0
10-4	450	54642	0	0	5266	0	0
10-5	300	13200	0	0	200	500	0
TOTAL TONS	5650	75092	0	0	26816	500	0

LVR = Low Volume Roads

District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Pluses – Save time from collecting/tracking tickets for payments. Safer.
 - Minuses – Still use paper tickets to verify the eTicket is correct.
 - Recommendations – Training/communication
- Are contractors in your District ready to implement this October? Yes

District 6.3 mm & SMA Projects

- List of 2024 6.3 mm Thin Lift projects
 1. N/A
- List of 2024 SMA Projects
 1. SR 422 Armstrong Co. #114936 (Being advertised)
- Any 2024 or 2025 HiMA SMA Pilot Projects? No

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 15% and total tons of 46,100
 - Binder - 25% and total tons 34,100
 - Base – 25 % and total tons 43,700
 - Average RAP % of all mixes – 19% and total tons of 123,900
- What are the impediments to increasing RAP% in the mixes?
 - Material supply
 - More testing requirement
 - High level of Quality Control

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD.
 - All producers are ready to implement BMD.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - None at this point

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.

Our best practice are:

- COMMUNICATION, COMMUNICATION, COMMUNICATION
- Focus on the Pre-Pave meetings
- Breakdown the asphalt sampling per phase

2023 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - No issues that could not be solved with communication.

2024 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - No issues that could not be solved with communication.
- Any staff changes since last year?
 - ✓ Brade Guntrum - ADMM
 - ✓ Nick Murone – TCIS
 - ✓ Cody Belles – TCI
 - ✓ Ben Warner - TCI

Audience Questions/Comments???



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