

PAPA Regional Technical Meeting

March 16, 2023

8:00 AM to 3:00 PM

District 4

Robert McGowan

District Materials Manager

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2022 Asphalt Mix Testing

Testing:

- 152 Lots- Mixture Acceptance by box sample
- 145 Lots – Density Acceptance by pavement core

Failure:

- 1 - AC Content failures
- 3 - Gradation failures
- 2- 200 Sieve failures
- 0 - Primary Control Sieve -
- 1 - Density failures

Retests Requested:

- 3 Requested –
- Retest Results -
- 2-passed
- 1- failed

2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	20	32	57	60	16	33
% Density Range	88-97	85-97	85-97	82-97	85-96	86-98
% Average Density	93.0	92.9	92.7	92.1	91.6	91.3
Incentive Lots						
Zero Lots						
Disincentive Lots						
Total \$ for Incentive Lots	102,625	167,725	173,199	73,250	45,400	53,600
Total \$ for Disincentive Lots	0	0	0	-6,400	-24,800	-27,380
Delta (Incentive – Disincentive)	102,625	167,725	173,199	66,850	21,120	26,220

REF: Section 405 Evaluation of Bituminous Pavement
 Longitudinal Joint Density and Payment of Incentive/Disincentive



2022 Longitudinal Joint Density Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Tapered
 - Are you having any longitudinal joint issues?
 - If so, please explain. No
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - Yes, we have had some delamination issues on two projects.

2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
 - ECMS #114879, Let Date 03/02/23, SR 307, County, Lackawanna 10,000+Tons
 - ECMS #117976, Let Date 03/02/23, SR 309, County, Luzerne 40,000 +/- Tons
 - ECMS #118756, Let Date 03/02/23 SR 4002, County, Luzerne 8,500 Tons 19mm High RAP
 - Potential for more projects as season progresses.



2023 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
X-1							
4-2	800			30,830			
4-3	12,800			35,622			
4-4	79			8,731			
4-5	3,500			40,000			
4-6	5,718			3,562			
4-7	4,000			12,000			
X-8							
X-9							
TOTAL TONS							

LVR = Low Volume Roads



District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
- *We have had none.

- Are contractors in your District ready to implement in 2024?
- Not as of yet

District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects-
- None

- List of 2023 SMA Projects
 1. SR 0084 Pike County
 2. SR 0084 Pike County

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 15% and 260,000 total tons
 - Binder - 15% and 188,560 total tons
 - Base – 15 % and 147,140 total tons
 - Over RAP % of all mixes – 17% and total tons
 - 605,192 tons for 2022
- What are the impediments to increasing RAP% in the mixes?
- Availability to producers

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.
- So far so good.

- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?

Mix Design

- Have you had any issues with reducing the mix design gyration numbers to 50 & 75
- No
- Would you be in favor of reducing nDesign gyrations to one level? Yes, no or no opinion?
- Yes

District 9.5 mm & 19.0 mm High RAP Mixes for LVR Mixes

- Have your maintenance forces completed a 19.0 mm or 9.5 mm for Low Volume Roads mix project yet?
- No, but we have one scheduled and awarded for 2023.

District Rehabilitation Projects

- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years?
 - No

- Do you have any projects programmed for 2023 or 2024?
 - No

District Innovations & Best Practices

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

2022 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
- Some contractors not giving enough advanced notice of shipments.
- Our suppliers are very cooperative and keep us appraised of any issues.

2023 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
 - We have added three Senior ACE Positions and had staff rotations -
 - Carmen DiPietro PE Senior ACE
 - John Arcangelo PE Senior ACE
 - Anthony Shubzda PE Senior ACE
 - Angela Pevac PE Construction Services Engineer

Questions/Comments???



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