

PAPA Regional Technical Meeting

March 15 2023
8:00 AM to 3:00 PM
District 9

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2022 Asphalt Mix Testing

Testing:

- 88 Lots- Mixture Acceptance by box sample
- 66 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- 5 Requested –
- Retest Results -
 - # passed 4
 - # failed 1

2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	11	17	11	4	7	0
% Density Range	88.1-96.3	87.4-96.8	85.0-95.2	88.5-94.8	87.2-95.6	n/a
% Average Density	91.3	92.7	91.6	91.9	92.0	n/a
Total \$ for Incentive Lots	14,250	67,375	18,000	8,000	26,000	0
Total \$ for Disincentive Lots	6,500	11,000	4,800	0	1,200	0
Delta (Incentive – Disincentive)	7,750	56,375	27,200	8,000	24,800	0



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?
 - Primarily Vertical/Butt Joint
 - Some Tapered/Notched Wedge
 - Are you having any longitudinal joint issues?
 - Performing very well overall.
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - J-Band Pilot on I-70 Sec. 021 Bedford County (SMA)

2022-23 Material Usage (Actuals & Projected)

MATERIAL	2022 Projected	2022 Actual	2023 Projected
ASPHALT (TONS)	*517,000	*322,400	400,000
AGGREGATE (TONS)	816,500	715,000	750,000
STRUCTURAL CONCRETE (CY)	14,000	10,990	11,000
CONCRETE PAVING (SY)	30,000	40,000	12,000

*2022 Asphalt Tonnage difference due to I-70 SMA Paving being pushed to 2023 and 4 projects being supplied from Out of District Suppliers.



2023 Maintenance Asphalt Tons (Estimated)

- No Dept. Force Long Line Paving in 2022 and none planned for 2023

LVR = Low Volume Roads

District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - 5 Pilot projects in 2022
 - 3 producers
 - All used HaulHub
 - Minuses
 - Inspectors iPad - Overheat, battery life
 - Recommendations
 - Would like to see if other service providers work as well.
 - Last year for pilot project – get involved
- Are contractors in your District ready to implement in 2024?
 - Yes



District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects
 1. No projects planned for 2023
- List of 2023 SMA Projects
 1. I-70 Breezewood-Fulton Co Line
 2. I-70 WB Amaranth to Bedford

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 15% 305,266 tons
 - Binder - 19% 143,967 tons
 - Base – 16% 96,256 tons
 - Over RAP % of all mixes – 17% and 548,377 total tons
- What are the impediments to increasing RAP% in the mixes?
 - Is there enough RAP to supply a % increase?
 - Rap storage
 - Mix durability

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.
 - So far, so good.
 - No concerns from producers
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - Access to testing equipment –
 - Most producers are doing their own CT testing
 - HWT testing
 - Could be waiting for some test results.

Mix Design

- Have you had any issues with reducing the mix design gyration numbers to 50 & 75?
 - No issues to report
 - PG bumping as needed.
- Would you be in favor of reducing nDesign gyrations to one level? Yes, no or no opinion?
 - Not in favor, need some variability.

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 Dept. Force Long Line Paving in 2022 and none planned for 2023

District Rehabilitation Projects

- Have you bid and/or completed any crack and seat projects/rubblization/asphalt structural overlay in the past few years?
 - SR 0403 in Somerset County, pavement preservation of approximately 8.3 miles. Crack & seat 7,326 SY
- Do you have any projects programmed for 2023 or 2024?
 - Nothing planned for 2023

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Pavement designs are part of the Construction Materials Unit.
 - Continue use of local acceptance
 - May consider doing more on federal projects.

2022 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

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.
 - New District Material Manager

Questions/Comments???



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