

PAPA Regional Technical Meeting

March 14, 15 & 16, 2023
8:00 AM to 3:00 PM
District 11

Jimmy Hontz
District Materials Manager
(412) 738-4242
jhontz@pa.gov



2022 Asphalt Mix Testing

Testing:

- 104 Lots- Mixture Acceptance by box sample
- 86 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

- # Requested – 2
- Retest Results -
 - # passed 2
 - # failed 0

2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	8	10	21	16	28	34
% Density Range	92.2-97.2	87.7-97.7	88.9-97.3	88.5-97.9	86.0-98.0	85.9-96.8
% Average Density	94.6	94.1	93.9	94.5	93.9	93.6
Total \$ for Incentive Lots	51,000	29,500	81,500	106,303	283,000	94,000
Total \$ for Disincentive Lots	0	-3000	0	0	0	0
Delta (Incentive – Disincentive)	51,000	26,500	81,500	106,303	283,000	94,000



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?
 - We currently aren't having any issues
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - Piloted on SR 28 A62

2023 Planned Construction Projects

ECMS #	Let Date	SR/Section	County	Projected Tonnage
116590	12/8/22	0008/A77	Allegheny	6385
110356	12/8/2022	0065/B35	Beaver	13175
87757	3/16/2022	0079/L10	Lawrence	28109
27225	12/8/2022	2048/A14	Allegheny	18883
100606	9/14/2023	0048/A39	Allegheny	1703
89129	9/14/2023	2031/A07	Allegheny	1051
91565	11/3/2022	0079/A69	Allegheny	177,150
108499	12/15/2022	0400/A50	Allegheny	32754
108501	1/26/2023	0910/A50	Allegheny	20274
108502	12/8/2022	4018/B04	Beaver	6845
108503	2/23/2023	0208/L23	Lawrence	23972
118933	2/2/2023	1013/A21	Allegheny	13143
92282	12/8/2022	422/L37	Lawrence	13138
28025	9/14/2023	2040/A23	Allegheny	23063



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
Allegheny		9500			22,000		
Beaver		300					
Lawrence							
TOTAL TONS		9800			22,000		

LVR = Low Volume Roads

District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Good success in D-11
- Are contractors in your District ready to implement in 2024?
 - Required on all D-11 projects for 2023

District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects
 - None for 2023
- List of 2023 SMA Projects
 1. ECMS 87757, SR 79 – Lawrence County
 2. ECMS 91565, SR 79 – Allegheny County
 3. ECMS 87778, SR 376 – Allegheny County
 4. ECMS 109284, SR 376 – Lawrence County

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 15% and 249,420 tons
 - Binder - 26% and 167,935 tons
 - Base – 25% and 93,018 tons
 - Over RAP % of all mixes – 22% and 510,373 total tons
- What are the impediments to increasing RAP% in the mixes?
 - Specs for use on High Volume Roads
 - For wearing courses, it would require tracking RAP SRL's

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.
 - 3 suppliers in D-11 own the Hamburg Wheel and CT-Index testing equipment.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - Confusion/Questions because the spec isn't in place yet.

Mix Design

- Have you had any issues with reducing the mix design gyration numbers to 50 & 75?
 - We have had success reducing to two mix design levels
- Would you be in favor of reducing nDesign gyrations to one level? Yes, no or no opinion?
 - Yes, most of our 50 and 75 gyration mixes are identical

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?
 - Allegheny County uses a large volume of 19mm Low Volume Road mix each season. The mix works well for us in our 6" base repair applications

District Rehabilitation Projects

- Have you bid and/or completed any crack and seat projects/rubblization/asphalt structural overlay in the past few years?
 - SR 79 A69
 - Crack and Seat with an SMA overlay
- Do you have any projects programmed for 2023 or 2024?
 - No Rehab projects planned yet.

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Fiberless SMA on Business 376



2022 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - Dirty truck beds
 - Improper truck tarps

2023 District Changes - Direction

- John Bernard – Promoted to QA West
- Adam Krehnovi – Beaver and Lawrence County
- Vacant – Allegheny County

Questions/Comments???



Jimmy Hontz
District Materials Manager
(412) 738-4242
jhontz@pa.gov