

PAPA Regional Technical Meeting

March 21, 2024
8:00 AM to 3:00 PM
District 6-0

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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:

- #254 Lots- Mixture Acceptance by box sample
- #246 Lots – Density Acceptance by pavement cores

Retests Requested:

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

2023 Asphalt Mix Testing

Pay Factors:

- AC Content
 - >100.00%: 197
 - 100.00%: 8
 - <100.00%: 44
- Gradation: No. 200 Sieve
 - >100.00%: 224
 - 100.00%: 8
 - <100.00%: 17

Pay Factors:

- Gradation: PCS
 - >100.00%: 199
 - 100.00%: 2
 - <100.00%: 38
- Density
 - >100.00%: 192
 - 100.00%: 16
 - <100.00%: 38

2023 Asphalt Mix Testing

Testing:

- 254 Lots- Mixture Acceptance by box sample
- 246 Lots – Density Acceptance by pavement core

Failure:

- X- AC Content failures
- 2- Gradation failures
 - 2 200 Sieve -
 - 2 Primary Control Sieve -
- X - Density failures

Retests Requested:

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

Performance

Longitudinal Joint Density Summary

Year	2023	2022	2021	2020	2019	2018
Lots Tested	2	14	8	10	1	3
% Density Range	88.2 – 92	88.9 -97.5	90.4– 96.8	89.6–97.3	91.4–95.1	87.4–92.9
% Average Density	90.1	93.1	93.5	92.2	93.9	91.0
Incentive Lots						
Zero Lots						
Disincentive Lots						
Total \$ for Incentive Lots		114,000	36,500	0	4,150	40,250
Total \$ for Disincentive Lots	-2,250					
Delta (Incentive – Disincentive)	-2,250	114,000	36,500	0	4,150	40,250

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 (Butt)
 - Tapered (Wedge) Notched Wedge, Pneumatic solid wheel 309
 - Are you having any longitudinal joint issues?
 - If so, please explain.
 - Did you or are you planning to use J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - 309 PM1 E86923 Still testing 476 IMP E112298 2024

2024 Planned Construction Projects

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

- E107794, Let Date 2/15, SR 2049, Bucks, 10,000 Tons
- E95430, Let Date 3/28, SR 202, Chester, 2,000 Tons
- E114034, Let Date 5/9 SR 322, Delaware, 63,000 Tons
- E83742, Let Date 5/23 SR 7046, Mont, 1,000 Tons
- E88085, Let Date 6/6 SR 7301, Phila, 1,500 Tons
- E92807, Let Date 6/6 SR 73, Mont, 1,700 Tons
- E85949, Let Date 6/13 SR 896, Chester, 30,000 Tons
- E114102, Let Date 6/13 SR 003, Del, 2,200 Tons
- E104343, Let Date 7/11 SR 322, Del, 43,000 Tons

District Rehabilitation Projects

- Have you bid and/or completed any crack & seat break & seat projects with asphalt structural overlay in the past few years? NO!
 - If so, please briefly discuss project and any take-aways?
- 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
Bucks	43,000					4,000	
Montgomery	23,922		100			5,800	
X-3							
X-4							
X-5							
X-6							
X-7							
X-8							
X-9							
TOTAL TONS							

LVR = Low Volume Roads

District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Pluses **electronic**
 - Minuses **Change**
 - Recommendations **Mike Lentz**
- 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. 0

List of 2024 SMA Projects

1. I76 Schuylkill Expressway Phila
2. I-95 Delaware county
3. I-476 Delco

- Any 2024 or 2025 HiMA SMA Pilot Projects?
 - I-76 Expressway & I-476 Delco (76E-28HP)

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 76% and total tons 585,224
 - Binder - 18% and total tons 138,605
 - Base – 6% and total tons 46,201
 - Average RAP % of all mixes – 22% and total tons 770,032
- What are the impediments to increasing RAP% in the mixes?
 - Control of RAP
 - Life span of final product
 - Cracking

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD.
- Producers will do what is needed to get the job
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? **None**

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Plastic, pellets were pre-blended, small job
 - Post consumer shingles, small job
 - Cold in place Recycle/Cold Central Plant Recycle CCPR
 - Looking for a project for CCPR

2023 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - X
 - X

2024 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, etc. that are relevant to the asphalt paving industry.
 - ✓ XX
 - ✓ XX

- Any staff changes since last year?
 - ✓ XX
 - ✓ XX

Audience Questions/Comments???



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