

# PAPA Regional Technical Meeting

March 16, 2023  
8:00 AM to 3:00 PM  
District 6-0

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# 2022 Asphalt Mix Testing

## Testing:

- 329 Lots- Mixture Acceptance by box sample
- 315 Lots – Density Acceptance by pavement core

## Failure:

- 1 Lots - AC Content failures
- 4 - Gradation failures
  - 4 200 Sieve -
  - 0 Primary Control Sieve – Only reduced Pay for PCS
- 4 - Density failures

## Retests Requested:

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

# 2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	14	8	10	1	3	32
% Density Range	88.9-97.5	90.4-96.8	89.6-97.3	91.4-95.1	87.4-92.9	87.5-96.2
% Average Density	93.1	93.5	92.2	93.9	91.0	91.7
Total \$ for Incentive Lots	114,000	36,500	0	4,150	40,250	97,100
Total \$ for Disincentive Lots	0	0	0	0	0	0
Delta (Incentive – Disincentive)	114,000	36,500	0	4,150	40,250	97,100



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?
    - Vertical
    - Tapered Rt 309 used Notch Wedge Pneumatic solid wheel Compaction on RT 309
  - 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?
    - 309 PM1 E86923 2021. pleased with joint. Still testing
    - Pneumatic wheel compaction used on notched wedge

# 2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - 119265, Let Date 3/2, SR 13, Delaware, 90,000 Tons
  - 104989, Let Date 3/2, SR 1005, Phila, 115,000 Tons
  - 109083, Let Date 3/16 SR 2018, Mont, 70,000 Tons
  - 108989, Let Date 3/2 SR 332, Bucks, 116,500 Tons
  - 109083, Let Date 3/16 SR 2018, Mont, 72,000 Tons
  - 92323, Let Date 3/16 SR 420, Delaware, 6,700 Tons
  - 16334, Let Date 5/11 SR 73, Montgomery, 4,800 Tons
  - 63493, Let Date 5/11 SR 309, Montgom, 17,800 Tons
  - 112298, Let Date 5/25 SR 476, Delaware, \$30-40 Mil



# 2023 Maintenance Asphalt Tons (Estimated)

County	9.5 mm	12.5 mm	19.0 mm	25.0 mm
Bucks B-13	96,650		19,425	1,785
Chest C-13	79,269		5,610	1,500
Del D-14	88,500			7,670
Mont M-12	48,606		18,788	4,425
Phila P-13	102,033	8,491		4,554
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
  - Minuses (working through Midnight) (Access to inspectors)
  - Recommendations ( Mike Lentz)
- 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. 0
  2. x
  
- List of 2023 SMA Projects
  1. I 76 Schuylkill expressway
  2. I 95 Delaware county



# District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
  - Wearing - 20% and total tons 627,207
  - Binder - 25% and tons 143,205
  - Base – 25 % and tons 47,443
  - Over RAP % of all mixes – 22% and total tons 817,855
- What are the impediments to increasing RAP% in the mixes?
  - Control of RAP / lifespan of final product
  - Heat
  - Cracking

## District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.
- *My opinion is that producer will do what is needed to get the job done.*
- 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*
  - If yes, please explain.
- Would you be in favor of reducing nDesign gyrations to one level? *Yes, no or no opinion?*
  - Less designs
  - Producer gets better at one design.

## 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*
  - If so, please discuss your observations & performance to date.

# District Rehabilitation Projects

- Have you bid and/or completed any crack and seal projects/rubblization/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 2023 or 2024? *No*

# District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
  - *Pneumatic solid wheel compaction on notched wedge joint is low-cost fix to Long joint compaction.*
  - X
  - x

## 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
  - X

## 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.
  - Duyen Huyen New manager
  - Jim Alexander and Adrienne Stewert new T.C.I.S.



# Questions/Comments???



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