# PAPA Regional Technical Meeting

March 15,16 & 17, 2022 8:00 AM to 3:00 PM District 8

Brian Shannon
Materials Manager 2
(717) 772-2170
bshannon@pa.gov





### 2021 Asphalt Mix Testing

#### Testing:

- 262 Lots- Mixture Acceptance by box sample
- 199 Lots Density Acceptance by pavement core

#### <u>Failure:</u>

- 2 AC failures
- 1 Gradation failures
- 5 Density failures



# 2021 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary										
Year	2021	2020	2019	2018	2017	2016					
Lots Tested	77	74	46	61	42	53					
% Density Range	86.5-99.2	87.1-99.5	87.8-97.3	86.4-97.6	87.1-97.4	85.3-98.4					
% Average Density	93.0	92.6	92.7	92.6	92.9	92.4					
Total \$ for Incentive Lots	241,163	248,120	177,938	234,209	137,850	221,300					
Total \$ for Disincentive Lots	0	0	0	0	0	0					
Delta (Incentive - Disincentive)	241,163	248,120	177,938	234,209	137,850	216,100					



# 2021 Longitudinal Joint Density Performance

- Longitudinal Joint Type
  - Which joint type is being utilized most?
    - Tapered, Contractors even using tapered when Contractor's choice due to 405 item in contract

- Are you having any longitudinal joint issues?
  - No problems that I am aware of.
- Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
  - We have one pilot job set to be paved in 2022.



#### 2022 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
  - ECMS 113262, Let Date 03/17/22, SR 34-057,
     Cumberland Count, 5450 Tons 12.5mm
  - ECMS 112268, Let Date 12/16/21, SR 81-087,
     Cumberland County, 40,000 Tons 12.5mm
  - ECMS 113264, Let Date 1/13/22 SR 11-120,
     Cumberland County, 11,000 Tons 12.5mm
  - ECMS 113284, Let Date 06/24/22 SR 3006-22, Dauphin County, 8000 Tons 12.5mm
  - ECMS 111911, Let Date 03/31/22 SR 0000, Lebanon County, 5500 Tons 12.5mm
  - ECMS 108745, Let Date 03/17/22 SR 616-010, York
     County, 1700 Tons 12.5mm

    pennsylvania

#### 2022 Planned Construction Projects

List Projects With > 1000 tons of Asphalt Paving

 Several job let in 2021 that will finish paving in 2022 throughout the District ei.22-96 Perry County and 81-76 Cumberland County. 30-116 Franklin County



# 2022 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	37.5 mm
8-1	904				11030	1989		
8-2	142				0	19623		
8-3	126				11100	3220		
8-4	842				22500	3668		
8-5	1108				14600	2936		
	000							
8-7	19865				35500	4100		
8-8	3523				5005	516		
8-9	168				10525	544		
TOTAL TONS								



### District eTicketing Pilots

- Please discuss your experience with Asphalt eTicketing Projects.
  - Producers' software is not currently compatible with the PENNDOT APP
  - Materials Inspectors currently don't have ability to sign or comment on the tickets. Told that will be part of second wave.
  - Recommendations



### District 6.3 & SMA Projects

- List of 2021 6.3 mm Thin Lift projects
  None
- List of SMA Projects
   None



#### District HWTT/IDEAL-CT Pilots

- Please list pilot HWTT/IDEAL-CT Pilot Projects
  - ECMS 113226 SR 116-052 Adams County, NESL Contractor & Producer
  - ECMS 101266 SR 11-099 Cumberland County, Contractor-Cottles Asphalt Maint. Producer- Highway Materials, St. Thomas Developement
  - ECMS 112287 SR 83-096 York County, Contractor-JD Eckman Producer- Pennsy Supply
  - ECMS 107031 SR 772-056 Lancaster County, NESL Contractor & Producer
  - ECMS 113284 SR 3006-022 Dauphin County, Pennsy Supply Contractor & Producer



#### Mix Design

- Do you see any issues with reducing the mix design gyration numbers to 50 & 75?
  - No
  - District 8-0 will be approving 50 and 75 gyrations under the guidance of the SOL and JMF Mix Design Naming System updated by LTS.
  - 100 gyrations for project still in process let before 12/31/2021. Those designs will be approved for those projects only.



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

19mm laid in Franklin County and is performing very well.



#### District Rehabilitation Projects

- Have you bid and/or completed any crack and seat projects/rubblization/asphalt structural overlay in the past few years?
  - District 8-0 has not completed any of these.



#### District Innovations & Best Practices

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

- X
- X
- **-** ×



#### 2021 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
  - RAP stockpile issue. RAP pile AC was higher than plants testing results. Plant tech retested pile and testing frequency was increased until results were uniform.
  - Paving speed- Paving during late-season at 50 fpm resulted in poor mat compaction. Inspectors and Contractors need to be aware of paver speed especially during cooler conditions.



### 2022 District Changes - Direction

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

No Changes from the Previous Year.

Brian Shannon-Materials Manager

Chris Yonish-Assistant Materials Manager

Ryan Moore-Asphalt TCI-S



# Questions/Comments???



Brian Shannon
District Materials Manager
717-772-2170
bshannon@pa.gov

