

# **PAPA Regional Technical Meeting**

(Cranberry Twp. or State College or  
Allentown)

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District 1

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# 2019 Bituminous Testing

## Testing:

- 134 Lots- Mixture Acceptance by box sample
- 103 Lots – Density Acceptance by pavement core

## Failure:

- 1 AC failures
- 1 Gradation failure
- 0 Density failures

## 2019 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary			
Year	2016	2017	2018	2019
Lots Tested	66	57	75	65
% Density Range	92.9-95.8	91-95.3	90.6-95.2	87.6-95.3
% Average Density	94	93.3	93.4	93
Incentive Lots	0	0	0	0
Zero Lots		1		1
Disincentive Lots				
Total \$ for Incentive Lots	\$353,500	\$222,000	\$234,950	\$229,650
Total \$ for Disincentive Lots	0	2	0	
Delta (Incentive - Disincentive) REF: Section 405 Evaluation of Bituminous	\$353,500	\$221,000	234,950	\$229,650

Pavement Longitudinal Joint Density and  
Payment of Incentive/Disincentive

# ➤ 2019 Longitudinal Joint Density Performance

- Longitudinal Joint Type
  - Which joint type is being utilized most?
    - Tapered/ Notch wedge
  - Are you having any longitudinal joint issues?
    - We do not have any joint issues at this time.

## 2019 Percent Within Tolerance (PWL)

	PWT SUMMARY			
Year	2016	2017	2018	2019
Number of PWL Projects	14	24	32	25
Number HOLA	1	1	0	0
Number LTS	13	23	32	25
Average Pay Factors (%)				
Asphalt	100.72	102.13	102.77	100.37
PCS	99.58	102.55	102.15	100.39
#200 Screen	99.10	101.49	99.17	97.39
Density	102.38	102.82	102.70	102.30
Average Density	94.4	94.8	94.4	94.7
Average Overall Lot Pay Factor (%)	1.01	1.02	1.02	1.01
Bonus (\$)	163,333	340,466	332,346	\$302.68 7.16
Penalty (\$)	-55.637	-48.122	-73.724	-

## District Innovations & Best Practices

- Have you tried a 6.33 mm Thin Lift project yet?  
We have none planned at the moment
- Do you utilize SMA on all Interstate Highways?  
Yes we do
- Are you still having tack coat issues? What tack coat type do you predominantly specify?  
Currently we have no issues with tack.

## District Innovations & Best Practices

- Have your maintenance forces completed a 19.0 mm for Low Volume Roads mix project yet?
  - We have a few planned.
- Will your maintenance forces be piloting 9.5 mm for Low Volume Roads mix project?
  - We haven't planned any yet.
- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years?

Yes SR 8 A10 15 mile stretch in Venango County

## District Innovations & Best Practices

- Not Asphalt but, more of a safety issue. Concrete trucks will now have a lock tag on the driver side mirrors. We have distributed to other districts as well.



## 2020 District Changes - Direction

- Please discuss any changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
- Warm mix temps, top end of temp -25 degrees
- High absorption aggregate.
- District 1 Staff is finally full. This will help with more Local acceptance testing

# Questions/Comments???



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