

PAPA Regional Technical Meeting

(Allentown)

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District 4

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2019 Bituminous Testing

Testing:

- 371 Lots- Mixture Acceptance by box sample
- 371 Lots – Density Acceptance by pavement core

Failure:

- 7 AC failures
- 16 Gradation failure
- 8 Density failures

➤ 2019 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary			
Year	2016	2017	2018	2019
Lots Tested	329	354	394	371
% Density Range	77.9-98.4	85.7-98.5	82.9-98	81.9-99
% Average Density	92.8	92.8	92.8	92.8
Total \$ for Incentive Lots	1,342,870	1,229,450	1,698,808	969,434
Total \$ for Disincentive Lots	(27,474)	(59,060)	(49,120)	(29,461)
Delta (Incentive – Disincentive)	1,315,396	1,170,390	1,649,688	939,973

REF: Section 405 Evaluation of Bituminous 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
 - Which joint type is producing better density?
Tapered (Michigan Joint)
 - Are you having any longitudinal joint issues?
 - If so, please explain. No

2019 Percent Within Limits (PWL)

	District 4 - PWL SUMMARY			
Year	2016	2017	2018	2019
Number of PWL Projects Let	4	11	11	13
Number HOLA	1	0	0	0
Number LTS	3	11	11	13
Average Pay Factors (%)				
Asphalt Content	98.97	100.53	99.12	97.93
Primary Control Sieve	103.04	100.85	98.64	98.94
#200 Sieve	102.79	98.97	97.00	97.11
Density (Cores)	102.71	102.53	102.70	101.79
Average Density	94.3	94.2	94.5	94.4
Average Overall Lot Pay Factor (%)	1.02	1.01	1.00	1.00
Incentive (\$)	\$128,419.13	\$267,951.58	\$93,644.05	\$153,986.85
Disincentive (\$)	\$0.00	-\$106,113.06	-\$97,746.08	-\$114,692.25

2020 Planned Construction Projects

- List Projects With > 1000 tons of WMA Paving

INCOMPLETE INFORMATION DUE TO COVID19

➤ 2020 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
4-2								
4-3		INCOMPLETE INFORMATION DUE TO COVID 19						
4-4								
4-5								
4-6								
4-7								
TOTAL TONS								

LVR = Low Volume Roads

District Innovations & Best Practices

- Have you tried a 6.33 mm Thin Lift project yet?
 - If no, will you be trying one in 2020?
 - If yes, please discuss project. **One project <100 tons in 2018 shipped to District 3 (no issues).**
- Do you utilize SMA on all Interstate Highways?
 - Why? **Yes, for durability.**
 - Why not?
- Are you still having tack coat issues? What tack coat type do you predominantly specify? Why?
No issues to report (TT)

District Innovations & Best Practices

- Have your maintenance forces completed a 19.0 mm for Low Volume Roads mix project yet?
 - If so, please discuss your observations. **No**
- Will your maintenance forces be piloting 9.5 mm for Low Volume Roads mix project?
 - If so, please provide location and information. **NA**
- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years? **NA**
 - If so, please briefly discuss project and any take-aways?

2020 District Changes - Direction

- Please discuss any changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
- **Richard Roman, PE promoted to permanent DE.**
- **Jonathan Eboli, PE promoted to ACE-Construction.**
- **Catherine Daniels, PE promoted to ACE-Construction.**
- **Paul Ziprich promoted to Construction Scheduling Engineer.**

Questions/Comments???



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