



PAPA Regional Technical Meeting

State College

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District 8

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2019 Bituminous Testing

Testing:

- 218 Lots - Mixture Acceptance by box sample
- 202 Lots – Density Acceptance by pavement core

Failure:

- 3 - AC failures 1-R&R, 1-70%, 1-not resolved
- 0 - Gradation failure
- 0 - 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
Incentive Lots				
Zero Lots				
Disincentive Lots				
Total \$ for Incentive Lots	1,342,870	1,229,450	1,698,808	969.434
Total \$ for Disincentive Lots				
Delta (Incentive – Disincentive)				

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 almost always
Contractors choice if 405 item, most choose tapered
 - Which joint type is producing better density?
 - Mostly all tapered- so I think Contractors comfortable with it.
 - Are you having any longitudinal joint issues?
 - If so, please explain. No

2019 Percent Within Limits (PWL)

	District 8 - PWL SUMMARY			
Year	2016	2017	2018	2019
Number of PWL Projects Let	45	55	55	45
Number HOLA	1	0	0	0
Number LTS	44	55	55	45
Average Pay Factors (%)				
Asphalt Content	101.17	98.15	99.74	100.61
Primary Control Sieve	100.94	100.41	99.90	100.83
#200 Sieve	98.87	99.57	100.26	99.10
Density (Cores)	97.75	100.74	101.91	101.66
Average Density of cores	93.7	94.1	94.8	94.6
Average Overall Lot Pay Factor (%)	0.99	1.00	1.01	1.01
Incentive (\$)	\$214,244.95	\$289,497.84	\$575,493.58	\$511,484.08
Disincentive (\$)	-\$250,310.15	-\$415,485.16	-\$386,689.82	-\$387,315.55

District Innovations & Best Practices

- Have you tried a 6.33 mm Thin Lift project yet?
 - 2 jobs several years ago, small area on SR 83 between river and York split in 2019, (2200 Tons)
- Do you utilize SMA on all Interstate Highways?
 - Why not? ??? Did one job in late 90's. 4.5 miles on SR 83 in North York split into 3 jobs starting work in 2022.
- Are you still having tack coat issues? No What tack coat is used? Cont. choice, most pick NTT
Why? To get on Rd. quicker

District Innovations & Best Practices

- Have your maintenance forces completed a 19.0 mm for Low Volume Roads mix project yet?

Two projects done during 2019, Both look good and crew seem to like working with it.

- Will your maintenance forces be piloting 9.5 mm for Low Volume Roads mix project?

Don't know.

- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years? No

District Innovations & Best Practices

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

2020 District Changes - Direction

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

New DMM-Brian Shannon

Asst. DMM-currently vacant

Questions/Comments???



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