

PAPA Regional Technical Meeting

(Cranberry Twp)

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District 10

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2019 Bituminous Testing

Testing:

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

Failure:

- #2 AC failures
- #0 Gradation failure
- #1 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?
 - Vertical – used mostly on low volume, narrow routes.
 - Notched – used mostly on high volume, wide routes.
 - Which joint type is producing better density?
 - Both joint types seem to be achieving expected density and performing as required.
 - Are you having any longitudinal joint issues?
 - No issues in 2019.

2019 Percent Within Limits (PWL)

	District 10 - PWL SUMMARY			
Year	2016	2017	2018	2019
Number of PWL Projects Let	16	20	26	30
Number HOLA	1	1	0	2
Number LTS	15	19	26	28
Average Pay Factors (%)				
Asphalt Content	101.77	100.66	101.59	100.42
Primary Control Sieve	102.83	100.22	102.25	100.69
#200 Sieve	103.89	103.35	102.11	101.03
Density (Cores)	103.96	103.79	103.77	103.16
Average Density	94.5	94.5	94.4	94.5
Average Overall Lot Pay Factor (%)	1.03	1.02	1.02	1.01
Incentive (\$)	\$156,313.92	\$150,976.14	\$386,246.90	\$325,501.48
Disincentive (\$)	-\$4,871.88	-\$3,021.52	-\$37,555.09	-\$79,359.72

District Innovations & Best Practices

- Have you tried a 6.33 mm Thin Lift project yet?
 - SR 2012, placed over binder course, performing well.
 - SR 8, placed as a mill and fill, some distresses showing.
 - No projects planned for 2020.
- Do you utilize SMA on all Interstate Highways?
 - Butler County SR 79 and Clarion County SR 80.
- Are you still having tack coat issues? What tack coat type do you predominantly specify? Why?
 - No issues in 2019. CNTT is used predominantly.

District Innovations & Best Practices

- Have your maintenance forces completed a 19.0 mm for Low Volume Roads mix project yet?
 - Jefferson County paving crew with WR19BM in 2018 and 2019.
- Will your maintenance forces be piloting 9.5 mm for Low Volume Roads mix project?
 - No.
- 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.
- ✓ We continue to emphasize focused participation and commitment to our asphalt pre-placement meetings.
- ✓ Contractor, material supplier and inspection staff collectively understand acceptance approach to achieve a positive outcome.

2020 District Changes - Direction

- Please discuss any changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
- ✓ Mark Kmetz – Acting DME for the summer!
- ✓ Continued training of new employees regarding asphalt placement and specifications.
- ✓ Continue field staff entering samples identification forms (TR-447's) into the Sample ID App and eCAMMS system.

Questions/Comments???



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