



PAPA Regional Technical Meeting

State College

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District 3

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2018 Bituminous Testing

Testing:

- 122 Lots - Mixture Acceptance by box sample
- 114 Lots – Density Acceptance by pavement cores

Failure:

- 10 AC failures
- 20 Gradation failures
- 10 Density failures

2018 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary		
Year	2016	2017	2018
Lots Tested	13	21	28
% Density Range	77.0-98.3	88.6-97.5	82.9-97.0
% Average Density	93.2%	92.9%	92.4%
Incentive Lots			22
Zero Lots			2
Disincentive Lots			4
Total \$ for Incentive Lots	\$45,750	\$94,500	\$115,000
Total \$ for Disincentive Lots	-\$5160	0	-\$22,520
Delta (Incentive - Disincentive)	\$40,590	\$94,500	\$92,480

REF: Section 405 Evaluation of Bituminous Pavement Longitudinal Joint Density and Payment of Incentive/Disincentive

➤ 2018 Longitudinal Joint Density Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Notch wedge
 - Which joint type is producing better density?
 - Not sure, information is not captured on the eCAMMS report
 - Are you having any longitudinal joint issues?
 - Yes, density

2018 Percent Within Tolerance (PWT)

District 3 – PWT SUMMARY

Year	2016	2017	2018
Number of PWT Projects	9	20	22
Number HOLA	1	3	4
Number LTS	8	17	18
Average Pay Factors (%)			
Asphalt Content	103.62	100.96	101.58
PCS	99.11	99.96	100.99
#200 Screen	101.60	100.58	101.69
Density (Cores)	101.00	102.76	103.24
Average Density (%)	94.5	94.5	94.8
Average Overall Lot Pay Factor(%)	1.02	1.02	1.02
Incentive (\$)	\$68,837.57	\$131,989.21	\$242,750.96
Disincentive (\$)	-\$18,450.16	-\$31,637.79	-\$33,145.21

2019 Planned Construction Projects

- List Projects With > 1000 tons of WMA Paving
 - ECMS 99341, Let Date 01/17/19 SR 6, Bradford, 4,988 Tons
 - ECMS 98964, Let Date 01/31/19 SR 14, Bradford, 4,332 Tons
 - ECMS 97690, Let Date 01/17/19 SR 2027, Bradford, 2,283 Tons
 - ECMS 99429, Let Date 02/14/19 SR 287, Tioga, 5,473 Tons
 - ECMS 106438, Let Date 02/14/19 SR 1018, Union, 2,811 Tons
 - ECMS 99411, Let Date 03/14/19 SR 973, Lycoming, 2,060 Tons
 - ECMS 99029, Let Date 03/14/19 SR 1027, Lycoming, 13,035 Tons
 - ECMS 99033, Let Date 02/14/19 SR 2014, Lycoming, 5,830 Tons
 - ECMS 106449, Let Date 04/25/19 SR 2007, Union, 1,910 Tons
 - ECMS 93732, Let Date 04/25/19 SR 220, Lycoming, 23,965 Tons

➤ 2019 Maintenance WMA Tons (Estimated)

County	9.5 mm	12.5 mm	19.0 mm	19.0 mm LVR	25.0 mm	37.5 mm
3-1	12,528			26,557	3,059	
3-2	1,278			13,720	9,202	
3-3	-			7,009	509	
3-4	14,720			38,959	10,410	
3-5	6,805			15,130	6,970	
3-6	5,673			5,125	800	
3-7	14,454			32,783	6,659	
3-8	4,875			7,275	3,725	
3-9	7,906			36,148	14,898	
TOTAL TONS	68,239			182,706	56,232	

LVR = Low Volume Roads

District Innovations & Best Practices

- Have you tried a 6.33 mm Thin Lift project yet?
 - Yes, ECMS 87955 SR 220-M17 Lycoming Co in 2013.
 - We are planning to bid one project in mid 2019, possibly more.
- Do you utilize SMA on all Interstate Highways?
 - Yes
- Are you still having tack coat issues? What tack coat type do you predominantly specify? Why?
 - No, not since using NTT/CNTT.

District Innovations & Best Practices

- Have your maintenance forces completed a 19.0 mm for Low Volume Roads mix project yet?
 - No
- Have you bid or completed a LLAP Project?
 - Completed SR 80-123 in 2018.
 - Density avg was 96.1%
 - Overall IRI was 38.4
- Have you bid and/or completed any crack and seat projects/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.
 - ECMS 76400 LLAP pilot project in 2019-2020
 - Continue to over band all longitudinal paving joints

2019 District Changes - Direction

- Please discuss any changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
 - District 3 is not planning to bid HOLA projects in 2019
 - SMA acceptance sample testing will be performed at the LTS
 - District 3 will have one LLAP project, already awarded
 - District 3 to bid NTT/CNTT on most paving projects
 - District 3 has a special prov for longitudinal joint sealing

Questions/Comments???

