



PAPA Regional Technical Meeting

(Cranberry Twp.)

March 17, 2020
District 11

Mark Gallardo
District Materials Manager
(412) 429-4817
mgallardo@pa.gov



2019 Bituminous Testing

Testing:

- 106 Lots (25% HOLA) - Mixture Acceptance by box sample
- 99 Lots - Density Acceptance by pavement core

Failure:

- 0 AC failures; 12 Reduced Payment
- 0 Gradation failure; 24 Reduced Payment
- 0 Density failures; 5 Reduced Payment

****Reduced payment doesn't necessarily mean reduced payment for the OLPF****

▶ 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
 - Are you having any longitudinal joint issues?
 - We had some water bleeding issues.

2019 Percent Within Limits (PWL)

	District 11 - PWL SUMMARY			
Year	2016	2017	2018	2019
Number of PWL Projects Let	9	24	20	24
Number HOLA	1	1	0	0
Number LTS	8	23	20	24
Average Pay Factors (%)				
Asphalt Content	102.61	102.57	101.43	102.21
Primary Control Sieve	100.40	100.24	101.22	96.08
#200 Sieve	100.82	103.27	101.50	102.92
Density (Cores)	103.59	103.30	103.79	101.66
Average Density	94.5	94.5	94.8	94.8
Average Overall Lot Pay Factor (%)	1.03	1.03	1.02	1.02
Incentive (\$)	\$148,884.75	\$349,712.36	\$399,348.28	\$168,211.04
Disincentive (\$)	-\$20,736.51	-\$30,260.94	-\$107,151.32	-\$55,620.54

District Innovations & Best Practices

- **Have you tried a 6.33 mm Thin Lift project yet?**
 - Yes, we've had a couple over the past few years.
 - The District liked our past projects.
 - Too expensive
- **Do you utilize SMA on all Interstate Highways?**
 - Yes, we've had good experience with SMA over the years.
 - We've also used SMA on non-interstate, high volume roadways. (SR 51 in the South Hills and SR 19 in the North Hills)

District Innovations & Best Practices

- Are you still having tack coat issues? What tack coat type do you predominantly specify? Why?
 - We use NTT/CNTT and have not had any issues with tracking.
- Have your maintenance forces completed a 19.0 mm for Low Volume Roads mix project yet?
 - Yes, we experienced some segregation issues.

District Innovations & Best Practices

- Will your maintenance forces be piloting 9.5 mm for Low Volume Roads mix project?
 - Yes, but currently don't have any other information.
- Have you bid and/or completed any crack and seat projects/rubblization/asphalt structural overlay in the past few years?
 - Yes, we had crack and seat on SR 28.
 - District modified the Pavement Policy and saved over \$5 million on the project.
 - Crack and seat is preferred over rubblization.

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - We piloted a 10% RAP SMA Project (ECMS 91790)
 - PennDOT's first use of 10% RAP SMA
 - Eastbound lanes of SR 885 A45 (Boulevard of the Allies)
 - Approximately 1100 tons of WRSMA95
 - Paving Contractor – Lindy Paving

2020 District Changes - Direction

- Dawn Durst – Promoted to Materials Supervisor effective 2/8/2020
- Adam Krehnovi – Promoted to Materials Manager 1 effective 3/21/20
- We notified our producers that we will not be approving HMA designs starting this year to align with the new 408 changes.
- We also asked our producers to use the new PGAB designations on all 2020 mix designs.
- Construction field staff will be using SampleID app to enter sample information.

Questions/Comments???



Mark Gallardo
District Materials Manager
412-429-4817
mgallardo@pa.gov