

PAPA Regional Technical Meeting

March 14, 15 & 16, 2023
8:00 AM to 3:00 PM
District 2-0

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2022 Asphalt Mix Testing

Testing:

- 178 Lots- Mixture Acceptance by box sample
- 137 Lots – Density Acceptance by pavement core

Failure:

- 3 Lots - AC Content failures
- 0- Gradation failures
 - 0 - 200 Sieve -
 - 0 -Primary Control Sieve -
- 0 - Density failures

Retests Requested:

- 3 Requested –
- Retest Results -
 - # passed 3
 - # failed 0

2022 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2022	2021	2020	2019	2018	2017
Lots Tested	20	18	33	26	78	52
% Density Range	89-98	89-98	88-98	87-98	83-97	86-98
% Average Density	93.5	92.4	94.1	92.2	92.5	91.9
Incentive Lots	14	10	29	17	61	41
Zero Lots	6	6	3	9	13	9
Disincentive Lots	0	2	1	0	4	2
Total \$ for Incentive Lots	\$85,375	\$35,325	\$212,425	\$106,301	\$255,909	\$139,450
Total \$ for Disincentive Lots	0	0	\$1,750	0	\$10,240	\$8,240
Delta (Incentive – Disincentive)	\$85,375	\$35,325	\$210,425	\$106,301	\$255,909	\$131,210

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



2022 Longitudinal Joint Density Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Use both vertical and tapered. Use tapered more for traffic control
 - Are you having any longitudinal joint issues?
 - Density numbers were good this past construction season
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - SR 219-537 McKean. Easy to use. Will consider using again on Interstate/Expressway type paving projects

2023 Planned Construction Projects > 1000Tons Paving

ECMS #	Let Date	SR	County	Tons
93316	08/25/2022	SR 1005-720	Mifflin	9500
117588	09/15/2022	GR 2-22-ST52	McKean	5100
117597	09/15/2022	GR 2-22-ST62	Potter	8800
117585	09/15/2022	GR 2-22-ST72	Mifflin	4000
101506	09/15/2022	GR 2-22-ST12	Centre	8000
85276	10/06/2022	SR 0022-A13	Mifflin	1500
74912	10/20/2022	SR 0080-B38	Centre	1000
91543	12/08/2022	SR 0410-A01	Clearfield	2000
85308	12/15/2022	SR 0044-A14	Potter	2000
115854	02/16/2023	SR 0153-A01	Elk	1500
108865	03/30/2023	GR 2-23-ST1	Centre	14500
108883	03/30/2023	GR 2-22-ST7	Mifflin	7500
108874	03/30/2022	GR 2-23-ST9	Juniata	16000

2023 Planned Construction Projects > 1000Tons Paving

ECMS #	Let Date	SR	County	Tons
108733	03/30/2022	GR 2-23-ST2	Clearfield	3500
108848	03/30/2022	GR 2-23-ST5	McKean	16000
108857	03/30/2022	GR 2-23-ST6	Potter	20000
116245	05/11/2023	Industrial Park Road	Clearfield	2000

2023 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
2-1	1332			5712			
2-2	773			19196			
2-3	233			1769			
2-4	155			8			
2-5	1035			252			
2-6	96			568			
2-7	50			417			
2-8	671			1765			
2-9	1613			255			
TOTAL TONS	5958			29942			

LVR = Low Volume Roads



District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Not much success with e-ticket yet
 - Will provide good real time information when operational
- Are contractors in your District ready to implement in 2024?
 - All projects in 2023 will be e-ticket pilots
 - Producers should work with contractors
 - If producers/contractors have not been successful in transmitting e-tickets contact Central Office ASAP
 - RA-PDECONSTRUCT@pa.gov

District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects
 - None completed in 2023
- List of 2023 SMA Projects
 1. SR 0080-A18 Centre
 2. SR 0080-B41 Clearfield
 3. SR 0219-537 McKean

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 18.5% and total tons 190,722
 - Binder - 25.0% and tons 252,277
 - Base – 21.1 % and tons 96,636
 - Over RAP % of all mixes – 22.0% and total tons 539,635?
- What are the impediments to increasing RAP% in the mixes?
 - Volume/supply of available RAP
 - Quality of mix- performance
 - Plant capacity (batch plant/drum plant) (Variable Speed Drum)
 - RAP gradation- Fractionate

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026.
 - Test methods have been selected
 - Equipment being purchased
 - Mixes being tested and information submitted
 - Test to be reviewed, test parameters reviewed and refined as required
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - No issues

Mix Design

- Have you had any issues with reducing the mix design gyration numbers to 50 & 75?
 - No issues
- Would you be in favor of reducing nDesign gyrations to one level? Yes, no or no opinion?
 - 50 and 75 working well- keep using

District 9.5 mm & 19.0 mm High RAP Mixes for LVR Mixes

- Have your maintenance forces completed a 19.0 mm or 9.5 mm for Low Volume Roads mix project yet?
 - No

District Rehabilitation Projects

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

- Do you have any projects programmed for 2023 or 2024?
 - No

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Completed post consumer single wearing course pilot
 - 500 tons, 5% post consumer shingles.
 - PG 58S-28 AC- Did not do well with rutting test
 - Used PG 64S-22 AC for production
 - Will monitor for performance
 - ECMS 108731-Elk Co. SR 948 Segment 0510/0000
0520/0876 NB

2022 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - No issues

2023 District Changes - Direction

- Please list - discuss any District changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
 - Assistant Construction Engineers
 - Brian Brosius (retired)
 - Dean Josephson (retired)
 - John Carr (replace Brian)
 - Marc Maney (replace Dean)

Questions/Comments???



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