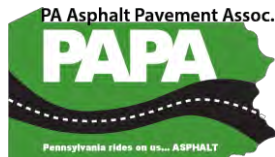


PAPA Regional Technical Meeting

March 16 , 2022
8:00 AM to 3:00 PM
District 2-0

Brian Gresco
District Materials & Geotechnical Engineer
(814) 765-0463
bgresco@pa.gov



2021 Asphalt Mix Testing

Testing:

- 198 Lots- Mixture Acceptance by box sample
- 157 Lots – Density Acceptance by pavement core

Failure:

- 3 AC failures
- 0 Gradation failures
- 2 Density failures

2021 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2021	2020	2019	2018	2017	2016
Lots Tested	19	33	26	78	52	71
% Density Range	89.0-97.5	88.1-97.9	86.8-98.1	82.9-97.3	85.9-97.5	85.6-97.4
% Average Density	92.4	94.1	92.2	92.5	91.9	92.7
Total \$ for Incentive Lots	35,325	212,175	106,301	266,149	139,450	303,600
Total \$ for Disincentive Lots	0	-1,750	0	-10,240	-8,240	0
Delta (Incentive - Disincentive)	35,325	210,425	106,301	255,909	131,210	303,600



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

2021 Longitudinal Joint Density Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Vertical
 - Tapered
 - Are you having any longitudinal joint issues?
 - New pavements are better
 - Older pavements – dealing with joint failures SR 0080 Clfd – Dubois, SR 0153 Clearfield.
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - SR 0219-537 McKean (ECMS 4405)- Let 4/14/2022

2022 Planned Construction Projects

ECMS #	Let Date	SR	County	Tons
87729	1/16/2020	SR 0080-B41	Clearfield	20,000
51466	4/23/2020	SR 0080-A18	Centre	108,721
93329	9/3/2020	SR 0322-267	Clearfield	5,800
106034	6/10/2021	SR 0064-N38	Centre	9,000
76136	9/16/2021	SR 0026-N37	Centre	4,300
108872	12/16/2021	GR 2-22-ST9	Juniata/Mifflin	41,000
93356	12/16/2021	SR 0064-A03	Clinton	1,400
88344	12/16/2021	SR 0504-A05	Centre	1,200
108980	2/3/2022	Winslow Hill	Elk	6,700
108832	2/17/2022	GR 2-22-ST5	McKean/Potter	60,000
108731	2/17/2022	GR 2-22-ST2	Clearfield/Elk/Cameron	73,000
114943	3/3/2022	Expansion Commerce Dr	Mifflin	1,000
108321	3/3/2022	GR 2-22-ST1	Centre/Clinton	50,000

2022 Planned Construction Projects

ECMS #	Let Date	SR	County	Tons
3850	4/14/2022	SR 1001-C01	Clinton	2,600
100555	4/28/2022	SR 0006-626	Potter	35,000
4405	4/28/2022	SR 0219-537	McKean	18,000
112650	4/28/2022	SR 0046-536	McKean	20,000
101960	5/12/2022	SR 3014-153	Centre	18,000
93314	6/23/2022	SR 0022-721	Mifflin	4,800

2022 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	37.5 mm
2-1	387			455				
2-2	1586			18799				
2-3	339			226				
2-4	37			48				
2-5	153			6896				
2-6	80			391				
2-7	22			478				
2-8	175			7758				
2-9	117			2146				
TOTAL TONS								

LVR = Low Volume Roads



District eTicketing Pilots

- Please discuss your experience with Asphalt eTicketing Projects.
 - E106034- SR 0064-N38 Centre
 - Multi-year project
 - Small amount of paving 2021
 - Producer not setup for e-ticket in 2021
 - Used paper ticket in 2021
 - Producer working to have e-ticket ready for 2022
 - 5 Bituminous e-ticket pilots to be let this year
 - SR 1001-C01, ECMS 3850, Clinton
 - SR 0219-537, ECMS 4405, McKean
 - SR 0046-536, ECMS 112650, McKean
 - SR 0150-P37, ECMS 110355, Clinton
 - SR 0120-323, ECMS 114972, Clinton

District 6.3 & SMA Projects

- List of 2021 6.3 mm Thin Lift projects
 1. None for 2022

- List of SMA Projects
 1. E51466- SR 0080-A18 Centre (carryover)
 2. E87729 – SR 0080-B41 Clearfield (carryover)
 3. E4405 – SR 0219-537 McKean

District HWTT/IDEAL-CT Pilots

- Please list pilot HWTT/IDEAL-CT Pilot Projects
 - E100503 SR 0120-406 Cameron
 - E108332 GR 2-21-ST5 McKean-Potter
 - E114038 SR 0006-540 McKean
 - E106034 SR 0064-N38 Centre
 - E108373 GR 2-21-ST7 Mifflin-Juniata
- Any observations you would care to share?
 - Adding results to eCAMMS should be a better way to collect the data.

Mix Design

- Do you see any issues with reducing the mix design gyration numbers to 50 & 75?
 - Carry over projects will use the old gyration unless the producer requests to change to the new gyration level
 - All old gyration mix designs will be conditionally approved for a specific project only

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?
 - County Maintenance has not completed any High RAP/Low volume paving
 - Have let contracts using High Rap/Low Volume 19 mm mixes

District Rehabilitation Projects

- Have you bid and/or completed any crack and seat projects/rubblization/asphalt structural overlay in the past few years?
 - None in 2021
 - Completed Crack and Seat 2020 on SR 99-163 SB
 - Discussed at last years meeting
 - Performing well

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Full Width Paving/ Echelon Paving- Joint Eliminate or Hot Joint

2021 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - Not aware of any

2022 District Changes - Direction

- Please list - discuss any changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
 - Adam Shuss-ACE in the south
 - Mike McCracken-TCI in the south
 - Justin Marchiori- TCIS in the north
 - Chase Bietz-TCI in the north
 - Jeff Smith- TCI in the south

Questions/Comments???



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