

PAPA Regional Technical Meeting

March 19, 2024
8:00 AM to 3:00 PM
District 11

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Agenda

1. 2023 Asphalt Mix Testing Results
2. 2023 Longitudinal Joint Density Performance
3. 2024 Planned Construction Projects
4. 2024 District Rehabilitation Projects
5. 2024 Maintenance Asphalt Tons
6. District Use of 9.5 mm, 19.0 mm & 25.0 mm High RAP Mixes for LVR
7. District eTicketing Status
8. District 6.3 mm & SMA Projects
9. District RAP Mix Percentages
10. District BMD HWTT/IDEAL-CT Implementation
11. District Innovations & Best Practices
12. 2023 District Issues – Problems
13. 2024 District Changes - Direction

2023 Asphalt Mix Testing

Testing:

- 156 Lots- Mixture Acceptance by box sample
- 107 Lots – Density Acceptance by pavement cores

Retests Requested:

- # Requested – 1
- Retest Results -
 - # passed 0
 - # failed 1

2023 Asphalt Mix Testing

Percent Pay:

- AC Content
 - >100%: 101
 - 100%: 18
 - <100%: 19
- Gradation: No. 200 Sieve
 - >100%: 114
 - 100%: 17
 - <100%: 7

Percent Pay:

- Gradation: PCS
 - >100%: 105
 - 100%: 0
 - <100%: 14
- Density
 - >100%: 73
 - 100%: 26
 - <100%: 8

2023 Asphalt Mix Testing

Testing:

- 156 Lots- Mixture Acceptance by box sample
- 107 Lots – Density Acceptance by pavement core

Failure:

- 0 AC Content failures
- 0 Gradation failures
 - #200 Sieve - 0
 - Primary Control Sieve - 0
- 4 Density failures

Retests Requested:

- # Requested – 1
- Retest Results -
 - # passed 0
 - # failed 1

Performance

	Longitudinal Joint Density Summary					
Year	2023	2022	2021	2020	2019	2018
Lots Tested	22	8	10	21	16	28
% Density Range	92.2-98.3	92.2-97.2	87.7-97.7	88.9-97.3	88.5-97.9	86.0-98.0
% Average Density	94.6	94.6	94.1	93.9	94.5	93.9
Total \$ for Incentive Lots	55,500	51,000	29,500	81,500	106,303	283,000
Total \$ for Disincentive Lots	0	0	-3000	0	0	0
Delta (Incentive – Disincentive)	55,500	51,000	26,500	81,500	106,303	283,000

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

Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Tapered
 - Are you having any longitudinal joint issues?
 - **We currently aren't having any issues**
 - Did you or are you planning to use J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - ECMS 87767 SR 376 A74

▶ 2024 Planned Construction Projects

ECMS #	Let Date	SR/Section	County	Projected Tonnage
91694	3/14/24	SR 8 A79	Allegheny	6000
115772	3/28/24	SR 4019 A24	Allegheny	3321
108506	2/29/24	GRP 111-24-7135-2	Allegheny	27335
108500	3/28/2024	Grp 111-24-7135-4	Allegheny	55100
108522	1/11/2024	Grp 112-24-7135-1	Beaver	8971
108557	1/25/2024	Grp 114-24-7135-1	Lawrence	6501
100606	12/14/2023	SR 0048 A39	Allegheny	4016
119503	9/26/2024	SR 2051 A06	Allegheny	3304
111571	8/22/2024	SR 51-12A	Allegheny	41788
108511	3/14/2024	GRP 111-24-7135-3	Allegheny	17980
28025	12/14/2023	SR 2040-A23	Allegheny	29870
87778	12/14/23	SR 376 A72	Allegheny	32554
81931	12/14/23	SR 79 A53	Allegheny	2433

District Rehabilitation Projects

- Have you bid and/or completed any crack & seat break & seat projects with asphalt structural overlay in the past few years?
 - SR 79 A69
 - Break and Seat with an SMA Overlay is currently in Construction
- Do you have any projects programmed for 2024 or 2025?
 - No Rehab projects are planned yet

2024 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
Allegheny	5500			1000	20000		
Beaver	350				1000		
Lawrence		5600			15000		
TOTAL TONS							

LVR = Low Volume Roads



District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
 - Good success in D-11
- Are contractors in your District ready to implement this October?
 - Yes we required it on all projects in 2023 and 2024

District 6.3 mm & SMA Projects

- List of 2024 6.3 mm Thin Lift projects
 - None for 2024
- List of 2024 SMA Projects
 1. ECMS 91565, SR 79 – Allegheny County
 2. ECMS 87778, SR 376 – Allegheny County
 3. ECMS 109284, SR 376 – Lawrence County
- Any 2024 or 2025 HiMA SMA Pilot Projects?
 - ECMS 74454 SR 376 A79

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 17% and 201,779 total tons
 - Binder - 28% and 153,535 total tons
 - Base – 28 % and 163,081 total tons
 - Average RAP % of all mixes – 23.8% and 518,395 total tons
- What are the impediments to increasing RAP% in the mixes?
 - Specs for use on High Volume Roads
 - For wearing courses, it would require tracking RAP SRL's

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD.
 - 3 suppliers in D-11 own the Hamburg Wheel and CT-Index testing equipment.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share?
 - Confusion/Questions on what is a good result because the spec isn't in place yet.

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - SR 4018 High RAP with Rejuvenator Pilot Project



2023 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - Dirty Truck Beds
 - Density

2024 District Changes - Direction

- Staff Changes
 - ✓ Adam Krehnovi, MM1 – Beaver and Lawrence County
 - ✓ Ed Brown, MM1 – Allegheny County
 - ✓ Adam Pfister, MS – Beaver and Lawrence County
 - ✓ Ron Bruner, MS – Allegheny County
 - ✓ Ryan Demchak, TCI
 - ✓ John Bartoletti, TCI
 - ✓ Natalie Paul, TCI
 - ✓ Bill Harper, TCI

Audience Questions/Comments???



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