

PAPA Regional Technical Meeting

March 14, 15 & 16, 2023
8:00 AM to 3:00 PM
District 1

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2022 Asphalt Mix Testing

Testing:

- 161 Lots- Mixture Acceptance by box sample
- 138 Lots – Density Acceptance by pavement core

Failure:

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

Retests Requested:

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

2022 Longitudinal Joint Density Performance

| | Longitudinal Joint Density Summary | | | | | |
|----------------------------------|------------------------------------|---------|-----------|---------|-----------|-----------|
| Year | 2022 | 2021 | 2020 | 2019 | 2018 | 2017 |
| Lots Tested | 71 | 51 | 41 | 58 | 59 | 55 |
| % Density Range | 87.5-97.9 | 89-97.9 | 89.2-98.1 | 86.9-98 | 87.3-97.2 | 86.7-97.9 |
| % Average Density | 94.2 | 93.7 | 93.4 | 93.8 | 93.5 | 93.4 |
| Incentive Lots | | | | | | |
| Zero Lots | | | | 1 | | 1 |
| Disincentive Lots | | | | | | |
| Total \$ for Incentive Lots | 330,500 | 217,239 | 221,600 | 235,250 | 236,950 | 218,000 |
| Total \$ for Disincentive Lots | -3,000 | 0 | -5,000 | -23,800 | 0 | 0 |
| Delta (Incentive – Disincentive) | 327,500 | 217,239 | 216,600 | 211,450 | 236,950 | 218,000 |



2022 Longitudinal Joint Density Performance

- Longitudinal Joint Type
 - Which joint type is being utilized most?
 - Tapered
 - Are you having any longitudinal joint issues?
 - None
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - None at the moment Sr 80 Venango county being our last

2023 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
 - ECMS 106658, Let 01/26/23, SR 62, Warren Co., 14,635 Tons
 - ECMS 90283, Let 03/02/23, SR 6, 8, and 197, Erie Co., 1,812 Tons
 - ECMS 99753, Let 03/23/23, SR 3006, Erie Co., 15,498 Tons
 - ECMS 86944, Let 03/23/23, SR 208,158,2001,2002, Mercer Co, 24,646 Tons
 - ECMS 118450, Let 04/13/23, SR 1001, Erie Co., 9,450 Tons
 - ECMS 115252, Let 04/13/23, SR 62, Warren Co., 8,461 Tons
 - ECMS 98032, Let 04/13/23, SR 6,27,3022, Warren Co., 14,000 Tons
 - ECMS 118458, Let 04/27/23, SR 2006,2013,3025, Venango Co., 17,400 Tons
 - ECMS 109143, Let 04/27/23, SR 89, 426, Erie Co., 19,000 Tons
 - ECMS 118447, Let 05/11/23, SR 198, 1001, Crawford Co., 13,500 Tons



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 |
|------------|--------|------------|---------|---------|-------------|---------|-------------|
| 1-1 | 630 | | | 100 | | | |
| 1-2 | 1,525 | | | 2,500 | 7,120 | 280 | |
| 1-3 | 375 | | | | | 275 | |
| 1-4 | 2,455 | | | 925 | 7,059 | | |
| 1-5 | 5,120 | | | 300 | 16,500 | | |
| 1-6 | 2,850 | | | | | 1,210 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TOTAL TONS | 12,655 | | | 3,825 | 30,679 | 1,765 | |

LVR = Low Volume Roads

RED = Contracted Projects

GREEN = DF Paving, Mech Patches, Base Repair, Pipe Trenches, etc.



District eTicketing Status

- Please discuss your experience with Asphalt eTicketing Projects.
Good for the most part.
- Are contractors in your District ready to implement in 2024? yes

District 6.3 & SMA Projects

- List of 2023 6.3 mm Thin Lift projects
None
- List of 2023 SMA Projects
 1. SR 90

District RAP Mix Percentages

- Please provide average RAP % for the following mixes:
 - Wearing - 15%
 - Binder - 20%
 - Base – 20 %
 - Over RAP % of all mixes – 20%
- What are the impediments to increasing RAP% in the mixes?
 - Stiffer binder content
 - Reducing the average pavement life

District BMD HWTT/IDEAL-CT Implementation

- Please discuss District opinion of owner – contractor readiness to implement BMD in 2026. So far for the district its good.
- Please discuss any issues, problems, opportunities, successes, etc. you would care to share? We are in the beginning of the BMD, to date out district has had no issues. Communication being a key. Producers that are running BMD for multiple labs may need to increase personal due to volume of testing.

Mix Design

- Have you had any issues with reducing the mix design gyration numbers to 50 & 75?
None
- Would you be in favor of reducing nDesign gyrations to one level? Yes, no or no opinion?

Yes District 1 used a 65 gyr. for 3 years with no issues and greatly reduced mix design due to being able to use one mix to cover multiple ESAL levels being that the consensus properties would be the only factor

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?
 - Most of our maintenance funded paving is contracted out. We have done a few 19.0 mm high RAP binder projects over the past couple of years. Maybe too early to tell how they are performing, but we have had the issues with the seal coat not holding up in Erie Co.

District Rehabilitation Projects

- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years?
 - SR 8
- Do you have any projects programmed for 2023 or 2024? None as of now

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.

Quarterly meeting within out unit along with monthly meetings with our support services engineer.

2022 District Issues - Problems

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

None

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.
 - Mike smeal
 - Bill Carr retiring after 33 of service

Questions/Comments???



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