

PAPA Regional Technical Meeting

March 17, 2022
8:00 AM to 3:00 PM
District 6-0

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2021 Asphalt Mix Testing

Testing:

- #225 Lots- Mixture Acceptance by box sample
- #207 Lots – Density Acceptance by pavement core

Failure:

- # 4 AC failures
- # 0 Gradation failures
- # 4 Density failures

2020 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary			
Year	2018	2019	2020	2021
Lots Tested	6	1	10	8
% Density Range	88-94.1	91.4-95.1	89.6-97.3	90.4-96.8
% Average Density	92.2	93.9	92.2	93.5
Total \$ for Incentive Lots	13,750	4,150	43,500	36,500
Total \$ for Disincentive Lots	1,600	0	0	0
Delta (Incentive - Disincentive)	12,150	4,150	43,500	36,500

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?
 - If so, please explain. NO
 - Did you or are you planning to pilot J-Band (Void Reduction Asphalt Membrane VRAM)? If you piloted, what are your observations?
 - Pilot 309/PM1 E86923 started 2021

J - Band

Field Test Site 5

Engineering District, County:	6-0, Montgomery County
Construction Project, ECMS #	SR 309 PM1, ECMS #86923
SR, Segment and Offset:	(1) 309, From SEG 61 OFF 0633 to SEG 101 OFF 2462 (2) 309, From SEG 61 OFF 0633 to SEG 81 OFF 0972
Experimental Feature Location:	(1) Southbound Shoulder Joint – Offset 34’ LT of CL (2) Southbound Lane Joint – Offset 22.0’ LT of CL
Experimental Feature Quantity:	(1) 13,000.00 LF (2) 5,300.00 LF
Experimental Feature Units:	1.26 Lbs/ft
Unit Cost:	\$3.50 per gallon or LF
Proposed Construction Dates:	September 2020 to November 2024
Experimental Feature Item #	Special provision number or contract work order
Control Feature Item #	pavement numbers
Contractor:	James D. Morrissey, Inc. Kyle Flanagan (kflanagan@jdm-inc.com)

2022 Planned Construction Projects

- List Projects With > 1000 tons of Asphalt Paving
 - E70228, Let 3/31/22, SR2006, Del, 9k Tons
 - E14541, Let 4/14/22, SR 001, Chest, 104k Tons
 - E79910, Let 4/14/22, SR 095, Phila, 21k Tons
 - E110961, Let 3/31/22 SR1017, Mont, 2k Tons
 - E111021, Let 3/17/22, SR 3017, Del, 1.5k Tons
 - E79830, Let 4/14/22, Sec SC1, Phila, 1.5k Tons
 - E110778, Let 5/26/22, SR2021, Mont, 1.0k Tons
 - E16738, Let 5/12/22, SR 422, Mont, 2.1 miles, \$60m
 - E17697, Let 6/09/22, SR3013, Phila, \$12 mil resurf

2022 Maintenance Asphalt Tons (Estimated)

County	9.5 mm mm LVR	9.5 mm	12.5 mm	19.0 mm	19.0 mm LVR	25. 0 mm	25.0 mm LVR	37.5 mm
Bucks	88,750			13,975				
Chester	70,173			34,812				
Delaware	46,270							
Montgomery	78,872			35,041				
Phila	99,283							
X-6								
X-7								
X-8								
X-9								
TOTAL TONS	383,348			83,828				

LVR = Low Volume Roads



District eTicketing Pilots

- Please discuss your experience with Asphalt eTicketing Projects. **Jobs have not started**
 - Pluses
 - Minuses
 - Recommendations

District 6.3 & SMA Projects

- List of 2021 6.3 mm Thin Lift projects
 1. 0
 2. x
- List of SMA Projects
 1. I-95 PM5 E92581 Allan A. Myers \$70 Mil 7/2024
 2. SR309 PM1 E86923 James D. Morrissey \$54mil 11/25

District HWTT/IDEAL-CT Pilots

- Please list pilot HWTT/IDEAL-CT Pilot Projects
 - E88400 SR1 PM1
 - E104864 D12
 - E105004 P11
 - E108965 B11
 - E109082 M10
 - E114594 C11
 - Still in progress. Results are pending

Mix Design

- Do you see any issues with reducing the mix design gyration numbers to 50 & 75?
 - If old gyration mix designs are needed, we will conditionally approve for specific projects

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**
 - If so, please discuss your observations & performance to date.

District Rehabilitation Projects

- Have you bid and/or completed any crack and seal projects/rubblization/asphalt structural overlay in the past few years?**NO**
 - If so, please briefly discuss project and any take-aways?
 - Our expressways cannot accommodate.. Height
 - Patching was cheaper..
 - Completed many overlays but nothing to add structure..

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - E116873 SR3019 Post Consumer Recycled Asphalt Shingles. PCRAS
 - E116874 SR2037 Plastic Asphalt/Recycled Post Consumer Plastic
 - Both projects plan to be completed 2022

2021 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
 - X

2022 District Changes - Direction

- Please list - discuss any changes to policy, specifications, special provisions, staff, etc. that are relevant to the asphalt paving industry.
 - Jacob Knapp was promoted to M.M.2
 - Robert Merlie retired
 - Brian Dougherty and Mike Mormando promoted to M.M.1

Questions/Comments???



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