

PAPA Regional Technical Meeting

March 15, 2022
8:00 AM to 3:00 PM
District 11

Jimmy Hontz
District Materials Manager
(412) 429-4817
jhontz@pa.gov



2021 Asphalt Mix Testing

Testing:

- 51 Lots- Mixture Acceptance by box sample
- 47 Lots – Density Acceptance by pavement core

Failure:

- 0 AC failures
- 0 Gradation failures
- 1 Density failures

2021 Longitudinal Joint Density Performance

	Longitudinal Joint Density Summary					
Year	2021	2020	2019	2018	2017	2016
Lots Tested	10	21	16	28	34	15
% Density Range	87.7-97.7	88.9-97.3	88.5-97.9	86.0-98.0	85.9-96.8	87.9-96.6
% Average Density	94.1	93.9	94.5	93.9	93.6	93.4
Total \$ for Incentive Lots	29,500	81,500	106,303	283,000	94,000	65,500
Total \$ for Disincentive Lots	-3000	0	0	0	0	0
Delta (Incentive - Disincentive)	26,500	81,500	106,303	283,000	94,000	65,500



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?
 - Tapered
 - Are you having any longitudinal joint issues?
 - We had some water bleeding issues.
 - J-Band Pilot Project
 - SR 28 A58

2022 Planned Construction Projects

ECMS Number	Let Date	Description	County	Tons
108470	4/28/22	GRP 111-22-7135-1	Allegheny	12,872
108471	5/26/22	GRP 111-22-7135-2	Allegheny	13,261
108473	5/12/22	GRP 112-22-7135-1	Beaver	4,749
92276	3/3/22	SR 28 A62	Allegheny	28,326
110061	1/27/22	SR 130 A30	Allegheny	5,220
28344	6/9/22	SR 3104 A03	Allegheny	2,650
105453	3/17/22	SR 3007 B06	Beaver	27,536
91768	4/14/22	SR 65 L30	Lawrence	9,828

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
Allegheny	1,500				25,000			
Beaver	300			500				
Lawrence				3000				
TOTAL TONS	1,800			3500	25,000			

LVR = Low Volume Roads



District eTicketing Pilots

- Please discuss your experience with Asphalt eTicketing Projects.
 - District 11 is encouraging e-ticketing on every project
 - Experienced less lost/misplaced tickets during material audits

District 6.3 & SMA Projects

- District 11 does not have any 6.3 mm thin lift projects planned for 2022.
- List of SMA Projects
 1. ECMS #92274 - SR 28 A58
 2. ECMS #92276 - SR 28 A62 (Possible Pilot for High Polymer)
 3. ECMS #91565 - SR 79 A69
 4. ECMS #94812 - SR 79 A67
 5. ECMS #115106 - SR 3160 A13 (Possible Pilot for Fiberless SMA)

District HWTT/IDEAL-CT Pilots

- Please list pilot HWTT/IDEAL-CT Pilot Projects
 - ECMS #26623 – SR 2040 A22
 - ECMS #111605 – SR 108 L19
 - ECMS #105201 – SR 51 10A
 - ECMS #108251 – SR 151 B11
 - ECMS #108241 – SR 19 A79

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 levels unless the producer requests to change to the new gyration level.
 - All old gyration level mix designs will be conditionally approved for a specific project(s) only.

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

- District 11 maintenance forces has completed multiple 19.0 mm for Low Volume Roads mix projects.
 - Allegheny County is planning to do a 19.0 mm project this year.
 - Allegheny County stated they have had good results with LVR mixes.

District Rehabilitation Projects

- Crack and Seat
 - SR 28 A55
 - District modified the Pavement Policy and saved over \$5 million on the project.
 - Planned: SR 79 A69
 - Let date 8-29-22
 - Crack and Seat with an SMA Wearing Course
 - If so, please briefly discuss project and any take-aways?
 - Crack and Seat is preferred over rubblization

District Innovations & Best Practices

- Please discuss any Innovations/Best Practices that you have piloted or recommend.
 - Plastic Modified Binder
 - **PennDOT's first use of Plastic Modified Binder**
 - Approximately 700 tons
 - **Southbound Lanes of SR 51 (Stoop's Ferry Rd)**
 - VAAT-HOLA
 - Completed Pilot Project on 105248
 - Modification to HOLA Special Provision
 - Developed with Lindy Paving
 - Option for 100% State funded projects

2021 District Issues - Problems

- Please discuss any issues, problems, etc. that you had with asphalt paving producers or contractors. How did you resolve them?
 - Contractors/Producers
 - Made sure plant techs are inspecting truck beds when there are no inspectors present.
 - Department/Consultant Staff
 - Sample Lots/Sublots and TR-447 Information
 - Discussed at Winter School

2022 District Changes - Direction

- Jimmy Hontz – Promoted to District Materials Manager effective 9/4/21
- Three new Materials Unit TCI
 - Ron Bruener
 - Ryan Johnson
 - Steve Rosenfeld

Questions/Comments???



Jimmy Hontz
District Materials Manager
Office: 412-429-4817
Cell: 412-738-4242
jhontz@pa.gov