



District 8-0

Innovations and Best Practices

Past/Current Pilot Projects

Hamburg/CT

11-099 Cottle's Asphalt (First Project bid 8/20)

116-052 JVI

3006-022 Pennsy Supply

772-056 NESL

VRAM

22-096 Pennsy Supply (visited yesterday)

22-097 Glenn Hawbaker Inc (Let in May 2022)

Recycled Post Consumer Plastic

3017-030 JVI (Let in May)

Best Practices

Pre-Pave meetings

Extended Season Pre-Pave Meetings

448C Short Form

eCamms Reports

12.5mm



Hamburg/CT

We asked both binder/scratch & wearing be tested

11-099- Completed last fall Tested at Rutgers University

All .3-3

Mix- 12.5mm 64S-22 SRL-E Mix-9.5mm 64S-22 SRL-L Mix-19mm 64S-22 SRL-L 116-052

116-052-Completed last fall Tested at PSU Altoona

All .3-3

Mix-12.5mm 64S-22 SRL H Mix 9.5mm 64S-22 SRL-L

3006-022-Completed this spring Tested at Advance Testing NY

All 3-30

Mix 12.5mm 64E-22 SRL E Mix 9.5 64S-22 SLR L

772-056 Completed this spring

All .3-3

Tested at PSU Altoona

Mix-12.5mm 64S-22 SRL H Mix 9.5 64S-22 SRL H



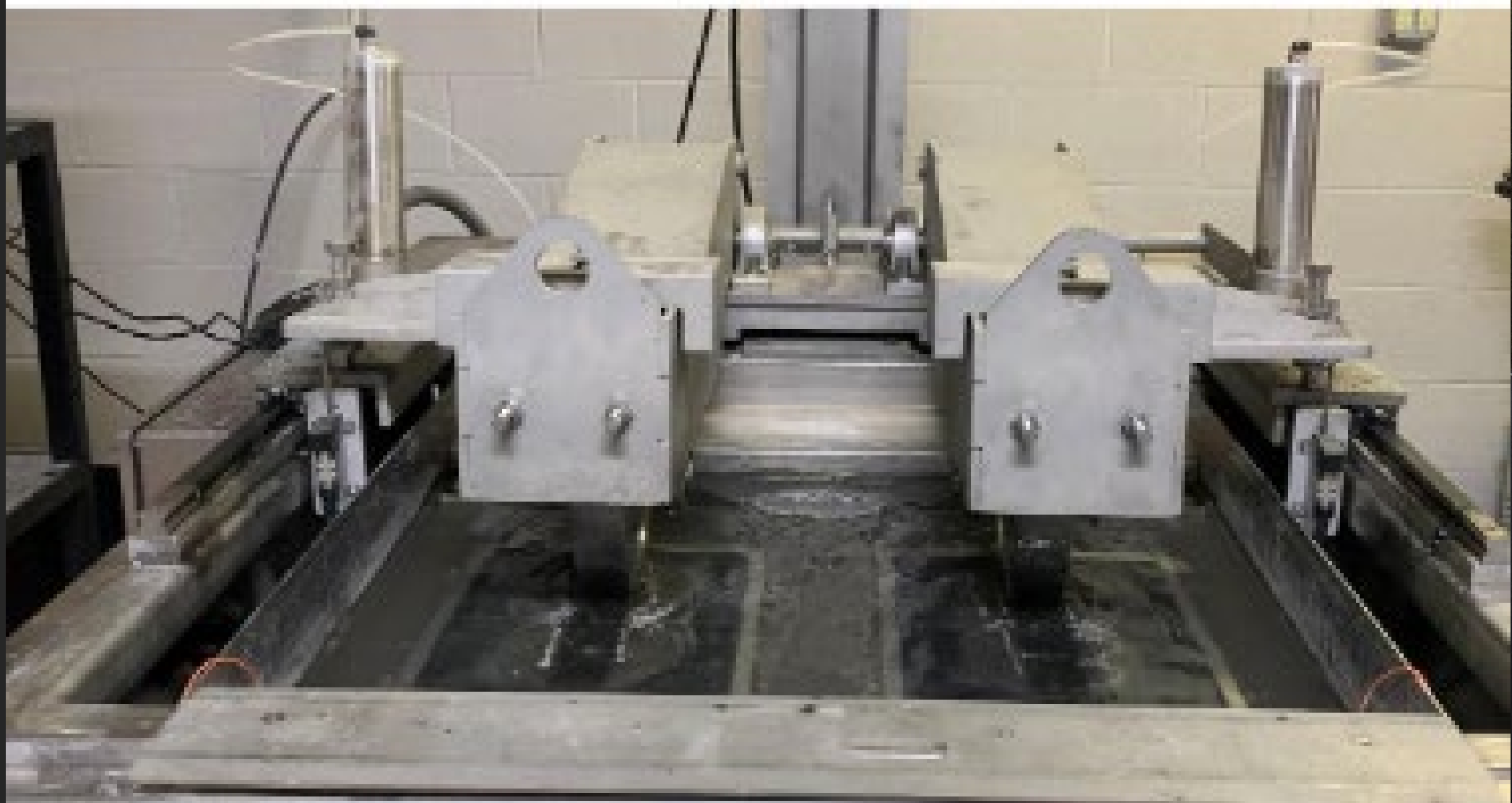
Hamburg/CT



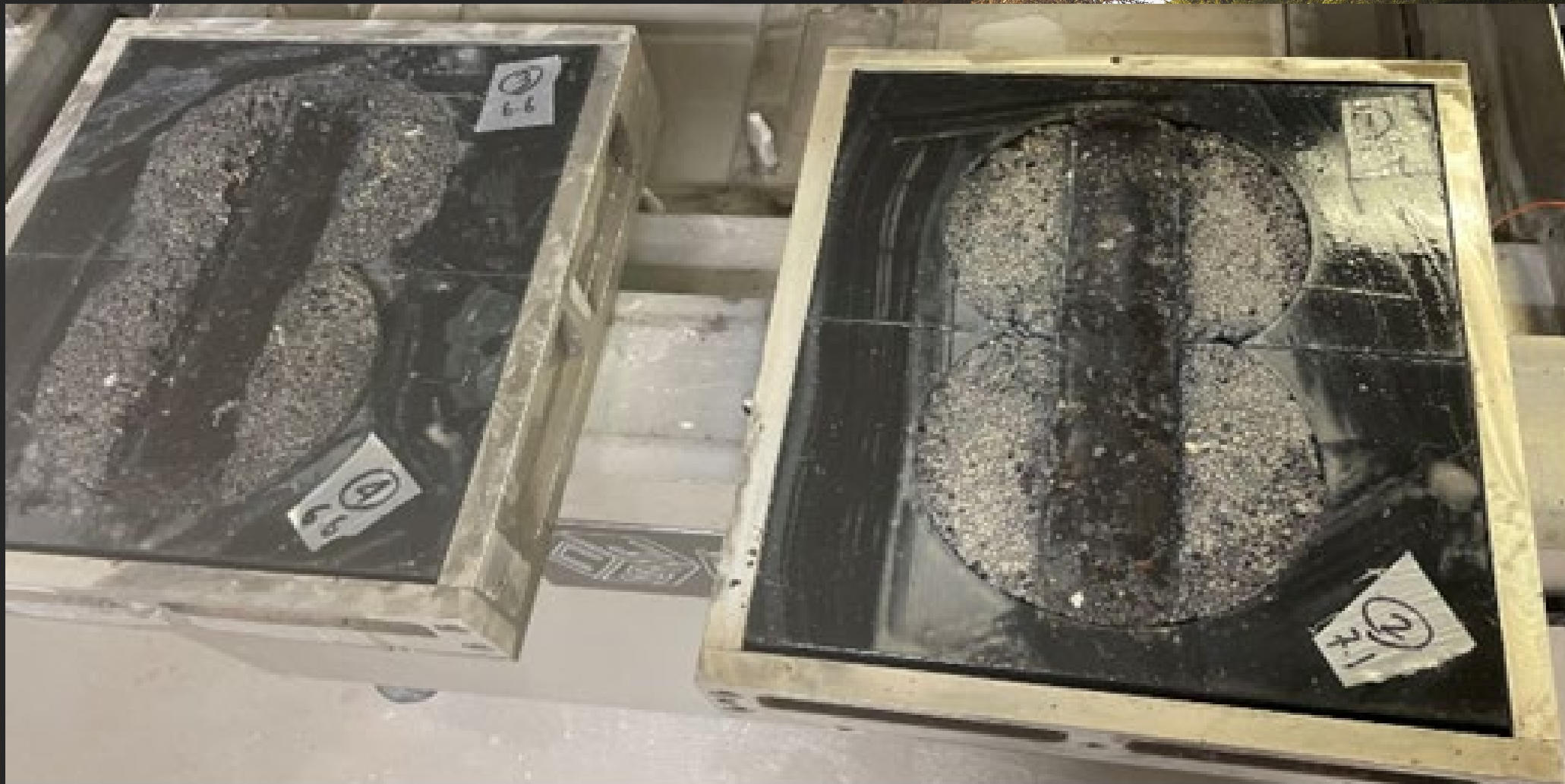
Hamburg/CT



Hamburg/CT



Hamburg/CT



Hamburg/CT



Hamburg/CT: Moving Forward

Most of the Hamburg testing results were ok. There are going to be mixes that the aggregate structure is going to have to be revisited.

Like the Hamburg testing the IDEAL CT testing result were ok. There will have to be some tweaking to mixes but for the most part the mixes showed good flexibility along with decent strength.

PAPA and PennDOT have been working together for several years to help implement the balanced design.

Hamburg/CT: Moving Forward

IMPLEMENTATION PHASES

- **Less than 0.3 Million ESAL (50 gyration) wearing course JMFs** submitted for the 2023 design year. **(Next year)**
 - Will **require** performance testing to be input into eCAMMS for information only.
 - DMEs **may** approve less than 0.3 million ESAL wearing course JMFs without performance testing on a case-by-case basis. (The data still needs to be input.)
- **All wearing course JMFs** submitted for the 2024 JMF design year. **(2 Years)**
 - Performance testing entry into eCAMMS is **required before JMF approval is given.**
- **Only effects wearing course mixtures.**
- After the 2024 construction season either limits will be set or the data acquisition process will be adjusted and continued so that **meaningful and achievable limits** can be established.



VRAM

Was placed on West bound 22/322 for the last 1.5 miles of the project.

It was placed between the passing lane and driving lane and driving lane and shoulder. Total distance of approximately 3 miles.

The application rate of LJS shall be verified within the first 1000 ft (300 m) of the day's scheduled application length and every 12,000 ft (3600 m) the remainder of the day.

VRAM



VRAM



VRAM What we learned

1. Make sure paint lines are correct prior to spraying the VRAM.
2. This product should not be applied to blacktop that is less than 12 hours. The heat within the mat will prolong the VRAM from setting up.
3. IF POSSIBLE, keep speed of traffic (especially trucks) reduced
4. Do not allow trucks or MTV to run or park on the VRAM.
5. It is important that the area VRAM is being sprayed is clean prior to it being laid.

Recycled Post Consumer Plastic

3017-030

Approximately 3000 ton

JVI won the bid

Just recently reached out to JVI to inquire more on supply, RPCP type etc

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Best Practices What works best for District 8

Pre-Pave meetings-

Pre-pave are held before any material is laid.

We may have a pre-pave for base material and several weeks later for binder and wearing

Paving that carries over to next year requires a new pre-pave meeting

Make sure everyone involved is at the pre-pave from lay down contractor to producer's technician

Extended Season Pre-Pave Meetings-

Again, like above make sure everyone is on board with the extended season process

Best Practices What works best for District 8

448C Short from-

It is included in our Pre-pave meetings.

Just another way to make sure correct JMF is being used on job

Very convenient for Field Inspectors because all the information on JMF's is in one place.

eCamm Reports-

Constantly monitoring report results and relaying to Blacktop TCI-S and Producer's lead Technicians of trending results.

We try to be proactive rather than reactive to ensure the best quality of the product

12.5MM-

We have had great success and longevity with 12.5mm

The Hamburg and IDEAL-CT test results for the 12.5mm designs showed good flexibility and good strength.



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Questions?