2017 PHASE I: WERE ARE WE

TO DATE: 49 LABS HAVE PARTICIPATED
- 17 DIFFERENT COMPANIES
- 9 LABS AMRL ACCREDITED

PARTICIPATION CONTINUES TO INCREASE
- MORE LABS JOIN
- LABS TEST ADDITIONAL SAMPLES FOR INTERNAL COMPARISION BETWEEN INDIVIDUAL TECHNICIANS

ADDITIONAL SAMPLES STILL AVAILABLE
THROUGHOUT PRODUCTION RANDOM QC SAMPLES WERE TESTED TO ESTABLISH TARGET VALUES

These values are the average of 5 samples:

- $G_{mm}$ 2.433
- $G_{mb}$ 2.341
- AC 6.30 (oven corrected AC content)

2017 PHASE I: WERE ARE WE
LESSONS LEARNED

WITH A KNOWN MATERIAL, PARTICIPATING LABS/TECHNICIANS ABLE TO REPRODUCE REFERENCE LAB RESULTS

OVERALL STANDARD DEVIATION ON $G_{\text{MM}}$, $G_{\text{MB}}$ AND GRADATIONS VERY SMALL

“FAILED” RESULTS WERE IDENTIFIED AND CAUSES DETERMINED
PHASE II: 2018 Plan

☑ Expand Round I Participating Labs and Technicians

☑ Investigate Variability Due to Sampling Procedures

☑ Materials Will Be Plant Produced, not Lab Produced

☑ Two Sampling Approaches, Current Procedure and Bulk Splitting
PHASE II: 2018 Plan

☑️ Samples Will Be Divided Into Subsets of 6
  ▪ 2 Remain Bulk Samples
  ▪ 4 will be Quartered Through Quartermaster
    ▪ 2 Of These will be Split Into Specimen Size Boxes

☑️ Compare Results From Different Sampling Procedures

☑️ Compare Internal Lab Results Between Technicians

☑️ Possible Industry Credentialing Program For Plant Technicians
QUESTIONS?

To Participate in Round Robin Phase II
Contact Mike Dudley: mdudley@vaasphalt.com