

NCAUPG Technician Workshop Breakout Sessions
January 27 and 28, 2004
Omaha, NE

Binder Session

- Mixing and Compaction Temperatures for Modified Binders
 - A concern for both Laboratory and Field
- Addition of Anti-strip additives
 - Issues about the logistics of it being added, such as uniformity of concentration levels
- Ever increasing number of ways to Modify PG Binders
 - DOT's are not comfortable with the various methods being used. It's difficult to stay "educated" on this issue.
- Binder testing procedures
 - The BBR training and discussion brought to everyone's attention the need to continually be aware of proper procedures and finding methods to improve accuracy.

Aggregate Session (Frank Rich, FHWA)

- Fine Aggregate Angularity
 - General agreement that FAA is a good procedure.
 - Some states with poor aggregate have added other specifications to improve mixtures.
- Other topics discussed in the session....
 - Soundness and Quality testing of aggregate
 - PG Binder grade "bumping"
 - Acid modified binders and it's reaction with aggregate

Mix Design Session (John Hinrichson, IDOT)

- RAP usage
 - Varies between states
 - PG Binder grade bumping along recommended guidelines
- Asphalt Pavement Analyzer
 - Two states use it regularly and others are experimenting with it.
 - Hamburg wheel is getting a lot of attention, also.
- Round Robin Testing
 - All states are involved to some degree and contractors are involved in some states
- Moisture Sensitivity Testing with T-283
 - All states are using it for design and some for plant produced mixes.
 - There is general concern about “variability” of test results
- Gyratory Angle Verification
 - Some states are using it at this time
 - Other states are paying close attention to this development
- Other issues
 - Some Marshall mixes still being used.
 - Film thickness, Iowa has it in their specifications and Minnesota has a pilot project going.

Construction and Quality Control (Robert Rea, NDOR)

- Standardization of testing procedures and reciprocity
 - A big issue for contractors, consultants and some states
- Positive dust control
 - An issue that is starting to receive the attention it deserves, it's very important to volumetric numbers
- QC/QA sampling and testing
 - Who, where, when and how
- Joint construction
 - Tapered joint and other methods and workmanship requirements for all types
- Laydown and rolling operations
 - Adjustments in screed heights and problems created
 - Rolling patterns
 - Operating equipment as per recommendations of equipment manufacturers
- Density testing
- Moisture sensitivity testing
 - This continues to be discussed
 - Payment for anti-strip additive
 - Types of additives, such as liquids, lime and others
- Mixtures types
 - Leveling courses
 - Fine and course gradation s
 - SMA's
- Smoothness testing
 - Testing bands: zero, 0.1, 0.2 blanking bands
 - Different types of equipment being used
- Technician training and certification
 - Who, where, when and cost