

State Discussion Topics – 2003

Idaho

1. What is the status of Superpave implementation for both binder and mixtures?
Binder- Full implementation approximately 1997. Mixture- Not implemented yet. Trial project is scheduled for next year.
2. What are the primary PG binder grades being used? 58-28, 58-34, 64-28, 64-34, 70-28, and some 76-28 on Interstate 84.
Does your state use any SHRP plus tests and the reason for their use? Elastic Recovery to detect elastimers.
Do you have any plans to implement AASHTO MP1a? No.
3. There has been much recent discussion on the affects of acid modification of binders. Is your state concerned with the issue of chemical modification? Yes
Does your state have any specifications to address chemical modification of PG binders? No. If the binder is modified with acid for anti-stripping purposed we have specifications to prohibit it.
4. There has been a concern that Superpave mixtures may be over compacted, resulting in low binder contents and reduced durability and fatigue life. Is your state doing any testing, other than gyratory compaction, do determine if the mixture has adequate binder? N/A
Has your state taken any action or modified the Superpave procedures to insure adequate binder in the mixture? N/A
5. What procedures does your state use to specify aggregate durability for HMA (sodium sulfate, magnesium sulfate, freeze thaw, or other)? Idaho Degradation, LA Wear, and Ethylene Glycol for basalt sources.
Have you done any research with Micro Deval and do you have any plans to replace your present specifications with Micro Deval? Very little. Not at this time.
6. Does your state routinely specify Stone Mastic Asphalt (SMA) mixtures? No.
Approximately how many tons of SMA is placed each year? N/A
Do you use AASHTO MP2 and PP41 for specifications and design or what significant modification to these have you made? N/A
Do you have any construction quality issues and how are SMA mixture performing? N/A
7. Has the performance of longitudinal joints been as issue? Yes
What type of joint is required or generally constructed by contractors? Butt joints.
Do you require any QC or QA procedures such as density or permeability at the joint? No.

8. Do you regularly see paver related segregation (linear streaks either at or just below the mat surface) and do you have a specification to address it? **Not regularly, but occasionally. No specification addresses it specifically.**

Do feel temperature segregation is a problem and do you have a specification to address it? **It can be a problem. No specification addressing it.**

9. Are there any recent or pending rule changes by your state EPA that may impact specifications or changes to products? Has there been any recent legislation that will impact the refining or HMA paving industries? **We are not aware of any at this time.**

10. What is the single most concerning issue with the quality of HMA in your state?
Rutting.