

Minutes
MAPA / MoDOT Quarterly Meeting
August 2, 2017
1:00 – 3:00 p.m.
Central Laboratory, Conference Room 201E/W

1. Update on Binder Team (MoDOT)

The primary intent of the binder team formation was to address early age temperature-related cracking. Several possible implementation ideas for binder performance improvement are attached, however; a few of them have an economic impact that may exceed the agency's means.

2. Update on Mix Performance Team (MoDOT)

MoDOT will pilot projects with incentive-only provisions for performance-related spec compliance. The main focus areas of the specs are deformation and cracking susceptibility of mixes. MoDOT has recently purchased testing equipment for measuring these parameters.

3. Cost of Temporary Pavement Markings – Action Item from April Meeting (MAPA)

Six-inch temporary pavement markers (TPM) seem to be performing very well. Even when lying flat they still provide good retroreflectivity. In light of their expense, however (4-5 times more than a 4-inch TPM); a suggestion was made to consider placing 6-inch TPMs on centerlines and 4-inch TPMs on shoulders.

ACTION ITEM: MoDOT will consider placing 6-inch TPMs on centerlines and 4-inch TPMs on shoulders.

4. Proposed UBAW's Changes – Action Item from April Meeting (MAPA)

MoDOT proposes setting a minimum 5.2% AC content for Type B and C UBAWS, so that the $\pm 3.0\%$ tolerance will not result in any production AC contents below 4.9%. There was general consent by the group to move forward with this proposal.

The difficulty in adequately placing and compacting UBAWS mixes in intersections was also discussed. A possible solution could be using an alternate mix, such as an SP048 in these problem locations.

ACTION ITEM: MoDOT will submit a spec change to set a minimum 5.2% mix design AC content Type B and C UBAWS, with the $\pm 0.3\%$ production tolerance.

ACTION ITEM: MoDOT will consider the idea of specifying alternate mix types in intersections where a UBAWS cannot be placed normally with a spray paver.

5. Update on Pay-Factor Calculations – Action Item from April Meeting (MAPA)

Adopting the AASHTO R 42 standard will result in heavier weighting for density and air voids.

Action item: MoDOT will provide MAPA members spec-related language.

6. Other Items

MoDOT will start collecting comments from personnel involved with the ~ 13 IC/IR projects completed within the last year. One problem brought to the group's attention was weak GPS satellite signal strength in hilly rural areas with a lot of tree cover. A request was made for MoDOT to consider providing the preliminary survey for paving limits. Also, a request was made to use the MoDOT GPS RTK network for establishing the survey limits. The link below provides information on how to access the RTK network -

<http://gpsweb3.modot.mo.gov/>

ACTION ITEM: MoDOT will consider the idea of performing preliminary surveys for IC/IR paving projects.

Next Quarterly Meeting: November 7, 2017