

## **Proposed Specification Changes to add minimum temperature limits for placing HMA (401 and 403)**

Due to past quality issues with 403 and 401 mixes that were placed in temperatures below 40 F, the following specification changes (#1 and #2) are proposed to add minimum temperature restrictions (40 F).

Also included is a minor revision (#3) to the current 402 language for minimum temperature restrictions (50 F). The revision to 402 is simply in the wording and does not change any requirements. This standardizes the language among the three sections.

### **Change #1:**

*Delete Sec 403.10.1 and substitute with the following:*

**403.10.1 Weather Limitations.** No mixture shall be placed on any wet or frozen surface. No mixture shall be placed when either the air temperature or the temperature of the surface on which the mixture is to be placed is below 40 F. Temperatures shall be obtained in accordance with MoDOT Test Method TM 20.

### **Change #2:**

*Delete Sec 401.7.1 and substitute with the following:*

**401.7.1 Weather Limitations.** No mixture shall be placed on any wet or frozen surface. No mixture shall be placed when either the air temperature or the temperature of the surface on which the mixture is to be placed is below 40 F. ~~Bituminous mixtures shall not be placed on any wet surface or frozen pavement.~~ Temperatures shall be obtained in accordance with MoDOT Test Method TM 20.

### **Change #3:**

**402.10.1 Weather Limitations.** ~~Bituminous mixtures~~No mixture shall ~~not~~ be placed on any wet or frozen surface. ~~Bituminous mixture~~No mixture shall ~~not~~ be placed when either the air temperature or the temperature of the surface on which the mixture is to be placed is below 50 F, except as otherwise allowed in Sec 402.10.1.1. Temperatures shall be obtained in accordance with MoDOT Test Method TM 20.