

**OKLAHOMA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION
FOR
WARM MIX ASPHALT MATERIAL REQUIREMENTS**

These Special provisions revise, amend and where in conflict, supersede applicable sections of the 1999 Standard Specifications for Highway Construction, English and Metric, as applicable. Units of measurement are provided in the subsections in both English and Metric equivalents. The units applicable for this project will be those specified in the project plans.

(Add the following:)

708.04 COMPOSITION OF MIXTURES

(f) Warm Mix Asphalt

Unless otherwise shown on the plans, mixtures produced as Warm Mix Asphalt (WMA) will be accepted at the Contractor's option. For WMA, mixing temperatures may be reduced. Unless otherwise directed, use only WMA additives or processes listed on the Department's approved list maintained by the Materials Division. The Materials Division Engineer may accept new additives or processes with sufficient evidence of performance.

Prepare WMA mix designs in general accordance with AASHTO R 35 except where modified by these specifications. WMA requirements are the same as for HMA except where noted. Increase the oven aging period for WMA to four hours before preparing samples for moisture susceptibility and rut testing. Report the supplier's recommended temperatures for plant mixing and roadway compaction on the mix design. Report the supplier's recommended temperatures for laboratory mixing and compaction on the mix design.

For WMA using additives, perform the mix designs using the additive. For WMA using a plant process, perform the mix designs as HMA mix designs except for moisture susceptibility and rut testing. Use the plant-produced WMA for these tests. Report the additive or process used by name, supplier source, and application rate (if applicable) on the mix design.

For WMA testing, allow sample temperatures to fall to 100°F [38°C] or less, then reheat to the laboratory compaction temperature before testing.