

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
WARM-MIX ASPHALT PERMISSIVE USE

CFS:KPK

1 of 1

APPR:CJB:JWB:02-26-20
FHWA APPR:03-03-20

a. Description. This work consists of furnishing a warm-mix asphalt (WMA) mixture using a water-injection foaming device, water foaming additive, or chemical additive for Superpave Mix Types EL, EML, EMH, EH, and SMA in lieu of the standard Superpave hot mix asphalt (HMA) specified if the Contractor elects to do so. Ensure all work is in accordance with the standard specifications and applicable special provisions, except as modified herein. No deviations to acceptance test methods/procedures will be allowed.

b. Materials. Provide materials in accordance with sections 501 and 902 of the Standard Specifications for Construction.

Chemical additives, if used, will be from the Colorado Department of Transportation Approved List of Unrestricted Warm Mix Asphalt (WMA) Technologies.

(www.coloradodot.info/business/apl/asphalt-warm-mix.html)

Base lab testing temperatures for compaction of gyratory samples on the binder suppliers recommended value for the original binder.

c. Construction.

1. Equipment. Provide equipment for the WMA technology being utilized.

2. Placing WMA. The Department will reject loads with a temperature below 250 degrees Fahrenheit (F) when using a water-injection foaming device or water foaming additive, below 225 degrees F when using a chemical additive, or greater than +20 degrees F from the recommended maximum mixing temperature specified by the binder producer at the time of discharge from behind the screed.

d. Measurement and Payment. If the Contractor elects to provide a WMA mixture as a substitute for a HMA Superpave mixture as discussed above, this will be done with the understanding that the pay items in the original contract will not be changed and the WMA will be provided under those original pay items at the bid prices submitted.