



MARICOPA COUNTY
Department of Transportation

MEMORANDUM

Date: March 24, 2014
To: MAG Specifications and Details Committee
From: Robert Herz, MCDOT Representative
Subject: Revision to Section 726 CONCRETE CURING MATERIALS **Case 14-09**

PURPOSE: Replace AASHTO references discontinued in 2010 with current ASTM standards.

REVISION: Replace AASHTO M 171 with ASTM C171 and replace AASHTO M 148 with ASTM C309.

SECTION 726

CONCRETE CURING MATERIALS

726.1 GENERAL:

Curing materials shall consist of waterproof paper, polyethylene film or liquid membrane-forming compounds which, when applied to fresh concrete, will inhibit moisture loss and reduce temperature rise during the curing period. All curing materials and methods shall be approved by the Engineer prior to use. Wet coverings such as burlap, cotton mats, or other moisture-retaining fabrics also may be used, or may be required by special provisions.

726.2 MATERIALS:

(A) Waterproof paper, or polyethylene film, shall conform ~~with to AASHTO M 171~~ **ASTM C171**.

(B) Liquid membrane-forming compounds shall conform ~~with to AASHTO M 148~~ **ASTM C309**. Type 1 compound with either a Class A or Class B vehicle shall be used for concrete structures, except bridge decks, **approach slabs, and portland cement concrete pavement**. Type 2 **white pigmented** compound, with either a Class A or Class B vehicle shall be used for **P**portland cement concrete pavement, bridge decks and approach slabs.

(C) Burlap cloth made from jute or kenaf shall conform to AASHTO M-182.

- End of Section -