



yr

Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Maureen M. Addis *MA*
Subject: Special Provision for Contrast Preformed Plastic Pavement Marking
Date: August 4, 2017

This special provision was developed by the Bureau of Operations to create a statewide specification for contrast preformed plastic pavement marking material that provides for improved visibility of markings on light-colored pavement surfaces.

This special provision should be inserted into contracts where the installation of contrast preformed plastic pavement markings has been specified.

Note: Contrast preformed plastic pavement markings are applied to the bottom of a groove recessed in the pavement surface. The BDE special provision Grooving for Recessed Pavement Marking should be inserted when contrast markings are specified on the plans.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 17, 2017 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory August 4, 2017.

80387m

CONTRAST PREFORMED PLASTIC PAVEMENT MARKING (BDE)

Effective: November 1, 2017

Revise the first paragraph of Article 780.07(b) of the Standard Specifications to read:

“(b) Type B or C - Standard Application. Standard application of conventional preformed plastic pavement markings shall consist of applying the markings to the pavement surface or to the bottom of a groove recessed in the pavement surface as specified on the plans. Standard application of contrast preformed plastic pavement markings shall consist of applying the markings to the bottom of a groove recessed in the pavement surface. Both conventional and contrast preformed plastic pavement markings shall only be applied when the air temperature is at least 50 °F (10 °C) and rising and the pavement temperature is at least 70 °F (21 °C). However, application of the markings will not be allowed after October 15.”

Add the following paragraph after the fourth paragraph of Article 780.14 of the Standard Specifications:

“The applied line width specified for contrast pavement markings shall include both the white/yellow reflective portion and the black nonreflective portion of the marking.”

Revise the first paragraph of Article 1095.03 of the Standard Specifications to read:

“**1095.03 Preformed Plastic Pavement Markings.** The material shall consist of a white or yellow (as specified) weather resistant, reflective film meeting the requirements specified herein. Where contrast markings are specified, the white or yellow reflective film shall be bordered along both the left and right edges by a 1 1/2 in. (38 mm) wide black weather resistant, nonreflective film also meeting the requirements specified herein.”

Revise the table in Article 1095.03(a) of the Standard Specifications to read:

“Components	Minimum Percent By Weight	
	White or Yellow	Black
Resins and Plasticizers	20 %	20 %
Pigment and Fillers	30 %	30 %
Graded Glass Beads	25 %	-- “

Revise the first paragraph of Article 1095.03(h) of the Standard Specifications to read:

“Glass beads shall be uniformly distributed throughout the white or yellow portions of the material only. A top coating of beads shall be bonded to or directly embedded into the surface of the markings in order to produce immediate retroreflectivity.”