



# Iowa Department of Transportation

## SPECIAL PROVISIONS FOR HIGH-BUILD WATERBORNE PAINT PAVEMENT MARKINGS

Clarke County  
BRFIMX-035-2(295)37--14-20

Effective Date  
July 19, 2011

**THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.**

### **090141.01 DESCRIPTION.**

Furnish and install permanent high-build waterborne paint pavement markings with retroreflective glass beads.

### **090141.02 MATERIALS.**

Provide high build waterborne paint listed in Materials I.M. 483.03 Appendix C.

Bead application rate, bead gradation, and bead coating is at the discretion of the Contractor. Provide a bead package that will ensure initial retroreflectivity requirements consistently at or above the minimum.

### **090141.03 CONSTRUCTION**

Meet the requirements of Article 2527.03 of the Standard Specifications except as modified below.

Supply the Engineer with a copy of paint manufacturer's recommendations for applying marking material. Include in recommendations minimum pavement temperature required for painting. Install paint according to manufacturer's recommendations. Provide binder thickness of 0.022 inches  $\pm$  0.0025 inches. Demonstrate to Engineer at start of work the ability to meet initial retroreflectivity requirements.

Final acceptance will be based on compliance with these specifications. Ensure markings meet the following retroreflectivity requirements.

#### **Minimum Coefficient of Retroreflectivity (Initial Placement) (mcd / sq. ft. / ft.-cdl.)**

White longitudinal lines 300

Yellow longitudinal lines 225

The Engineer will use the procedure in Materials I.M. 386 to determine retroreflectivity.

**090141.04 METHOD OF MEASUREMENT.**

Apply Article 2527.04 of the Standard Specifications.

**090141.05 BASIS OF PAYMENT.**

Apply Article 2527.05 of the Standard Specifications.