



# Iowa Department of Transportation

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

Story County  
BR-810-0(93)--7A-85

Effective Date  
November 17, 2009

**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.**

### **090024.01 DESCRIPTION.**

This work involves the furnishing and installation of permanent high-build waterborne paint pavement markings with retroreflective glass beads. Markings shall be placed in shallow grooves.

### **090024.02 MATERIALS.**

The traffic paint shall be a high build waterborne traffic paint that is approved per Materials Instructional Memorandum 483.03 appendix C.

The bead application rate, bead gradation, and bead coating shall be at the discretion of the Contractor. An appropriate bead package shall be used to consistently exceed the minimum initial retroreflectivity requirements shown in 0901XX5.04 (Final Acceptance).

### **090024.03 CONSTRUCTION.**

Section 2527.03 of the Standard Specifications shall apply except as modified below.

All longitudinal lines shall be grooved per article 2527.03 I. The groove depth shall be 0.080 inches  $\pm$  0.010 inches (2.0 mm  $\pm$  0.03 mm). The width of the groove shall be the design width of the line with a tolerance of minus 0.0 inches (0 mm) and plus 1.0 inch (25 mm).

The Contractor shall supply the Engineer with a copy of the paint manufacturer's recommendations for applying the marking material. The recommendations shall include minimum pavement temperature required for painting. The paint shall be installed according to the manufacturer's recommendations. Binder thickness shall be 0.022 inches  $\pm$  0.0025 inches (0.56 mm  $\pm$  0.06 mm). The Contractor shall demonstrate to the Engineer at the start of the work the ability to meet the initial retroreflectivity requirements.

**090024.04 FINAL ACCEPTANCE.**

The markings shall meet the following initial retroreflectivity requirements.

	Minimum Coefficient of Retroreflectivity Initial Placement (mcd / lux / m <sup>2</sup> )
White longitudinal lines	300.
Yellow longitudinal lines	225.

**090024.05 METHOD OF MEASUREMENT.**

Article 2527.04 shall apply.

**090024.06 BASIS OF PAYMENT.**

Article 2527.05 shall apply.