



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

**Polk County
STP-6-4(155)--2C-77**

**Effective Date
July 20, 2010**

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.

090086.01 DESCRIPTION.

Furnish and install permanent high-build waterborne paint pavement markings with retroreflective glass beads. Place markings in grooves as indicated.

090086.02 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.

090086.03 CONSTRUCTION

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

Place longitudinal lines in grooves according to Article 2527.03, I. Provide groove depth of 0.080 inches \pm 0.010 inches. Provide groove width of design line width plus 1.0 inch, with a tolerance of minus 0.0 inches and plus 0.2 inches.

Follow standard pavement marking cycle (10 feet of marking with a 30 foot space between) for grooving broken lane lines. Start cycle so most of the existing marking is removed with the groove. Do not use a continuous groove for broken centerlines or broken lane lines. No additional removal of existing markings is required.

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.

090086.04 METHOD OF MEASUREMENT.

Apply Article 2527.04 of the Standard Specifications.

090086.05 BASIS OF PAYMENT.

Apply Article 2527.05 of the Standard Specifications.