

**WEST VIRGINIA DEPARTMENT OF TRANSPORTATION**

**DIVISION OF HIGHWAYS**

**SPECIAL PROVISION**

**FOR**

**STATE PROJECT NUMBER:** \_\_\_\_\_

**FEDERAL PROJECT NUMBER:** \_\_\_\_\_

**SECTION 711**

**PAINTS, COATINGS, OILS, AND INKS  
TYPE IX PAINT**

**ADD THE FOLLOWING SECTION(S) TO THE SECTION:**

**711.42 – WHITE OR YELLOW FAST-DRY TRAFFIC PAINT (TYPE IX):**

**711.42.1 – General:** Shall be in accordance with Section 711.41.1

**711.42.2 – Color and Retroreflectivity Requirements:** The Contractor may retest any areas or sections reported as being deficient, in the presence of a project inspector, in order to verify the deficiency of the areas or sections. However, the final decision in regards to requiring re-stripping shall be at the Project Engineer’s discretion

**COLOR:** After the application of the glass beads or other retroreflective elements, each color installed shall fall within the boundaries created by the following CIE Chromaticity Coordinate Limits:

COLOR	CIE CHROMATICITY COORDINATE LIMITS							
	1		2		3		4	
	X	Y	X	Y	X	Y	X	Y
White	0.480	0.410	0.430	0.380	0.405	0.405	0.455	0.435
Yellow	0.575	0.425	0.508	0.415	0.473	0.453	0.510	0.490

The color shall show no appreciable discoloration due to aging during the warranty period of this pavement marking. Pavement markings shall be visually checked by the Engineer at any time during the warranty period of this pavement marking. Additionally, the Engineer shall at any time during the warranty period of this marking use a portable colorometer to determine if the markings have faded or darkened beyond the CIE Chromaticity Coordinate

Limits. The Colormeter used shall be a LTL-Y or other hand held colormeter device approved by the Division.

**RETROREFLECTIVITY:** Markings installed on or after April 14<sup>th</sup> and prior to October 1<sup>st</sup> shall maintain a minimum reflectance value of 175 mcd/m<sup>2</sup>/lx for white pavement markings, and 150 mcd/m<sup>2</sup>/lx for yellow pavement markings for a minimum of one (1) year.

Readings are to be measured with a LTL-X, or Traffic Engineering Division approved equal, 30 meter geometry retroreflectometer. A 5% tolerance with the stated minimum required retroreflectivity values shall be allowed when tested with a hand held retroreflectometer. A 15% tolerance with the stated minimum required retroreflectivity values shall be allowed when tested with a mobile retroreflectometer.

**711.42.3 – Sampling and Testing Procedures for Performance Samples:** Shall be in accordance with section 711.41.3