**REVISION OF SECTION 713**

**RETROREFLECTIVE SHEETING**

Section 713 of the Standard Specifications is hereby revised for this project as follows:

Delete Subsection 713.10(b) and replace with the following:

1. *Retroreflective Sheeting.* Reflective sheeting for traffic control devices shall be listed on the CDOT Approved Products List, and conform to the requirements of ASTM D 4956.
2. Reflective Quality Requirements

1. Drums and Tubular Markers. Retroreflective sheeting shall conform to ASTM D4956 Type IV, with the following modifications:

The Minimum Coefficient of Retroreflection (RA) shall conform to the following minimum values.

|  |  |  |  |
| --- | --- | --- | --- |
| **Observation Angle** | **Entrance Angle** | **Minimum Coefficient of Retroreflection (RA)**  **[cd/fc/ft2 (cd/lx.m2)]** | |
| **White** | **Fluorescent Orange** |
| 0.2o | -4o | 500 | 200 |
| 0.2o | 30o | 200 | 80 |
| 0.5o | -4o | 225 | 90 |
| 0.5o | 30o | 85 | 34 |

1. Daytime Color

1. Drums. All fluorescent orange sheeting shall meet the color requirements of ASTM D4956, with the following modifications:

The chromaticity coordinates and total luminance factor shall conform to the requirements as described in 23 CFR Part 655 Appendix to Subpart F.

The Fluorescence Luminance Factor (YF) shall conform to the following minimum values.

|  |  |  |
| --- | --- | --- |
| **Color** | **YF Initial Requirement** | **YF Minimum Requirement** |
| Fluorescent Orange | 20 | 15 |