

## South Carolina Department of Transportation

### Engineering Directive

**Directive Number:** ED-4 **Effective:** April 14, 2015

**Subject:** Reflective Sheeting for Rigid Highway Signs

**References:** None

**Purpose:** Provide Direction for Use of Reflective Sheeting on Warning Signs

**This Directive Applies to:** Traffic Engineering, Maintenance, and Construction

Use reflective sheeting that meets the requirements of ASTM D4956-09. Obtain sheeting from manufacturers prequalified in accordance with South Carolina Department of Transportation (SCDOT) Qualified Product Policy 20 and who appear on the current edition of SCDOT Qualified Products List 20.

A minimum of Type III reflective sheeting (beaded or micro prismatic) is to be used on all highway signs except the following:

- a. All orange background rigid signs are to be Type VIII or Type IX micro prismatic fluorescent orange sheeting including stop/slow paddles.
- b. The following school, pedestrian and bicycle warning signs are to be Type IX or Type XI micro prismatic yellow-green fluorescent sheeting:
  - 1) School Crossing (S1-1),
  - 2) School Children Walking (S2-3),
  - 3) School Bus Stop Ahead (S3-1),
  - 4) School Bus Entering Highway (S3-8),
  - 5) Diagonal Arrow (W16-7P)\*,
  - 6) Ahead (W16-9P)\*,
  - 7) XXX Feet (W16-2P OR W16-2aP)\*,
  - 8) School (S4-3P),
  - 9) School Speed Limit XX When Flashing (S5-1) (top portion only),
  - 10) Overhead School Speed Limit (S5-6) (top portion only),
  - 11) Pedestrian Crossing (W11-2),
  - 12) Deaf Child (W11-2.1P-24),
  - 13) Blind Child (W11-2.2P-24),
  - 14) Bicycle Crossing (W11-1),
  - 15) Share The Road Signs (R9-25-24) (top portion only),
  - 16) Handicapped (W11-9),
  - 17) Playground (W15-1),
  - 18) Student Loading Zone Alternate Merge (S20-1) (top portion only),
  - 19) Advisory Speed Plaque (W13-1P)\*,

- 20) Pedestrians In Crosswalk When Flashing (OHW11-2.5-72),
- 21) State Law Yield To Pedestrians Within Crosswalk (R1-6),
- 22) State Law Stop For Pedestrians Within Crosswalk R1-6a),
- 23) Bicycle / Pedestrian (W11-5),
- 24) Trail Crossing (W11-15a), and
- 25) Trail Crossing Plaque (W11-15P).

\*Use fluorescent yellow-green only when used with school, pedestrian, or bicycle signs.

- c. All overhead signs are to be Type IX or Type XI micro prismatic sheeting.

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