

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

TRAFFIC CONES

DESCRIPTION:

These cones shall primarily be used for paint stripping operations.

GENERAL REQUIREMENTS:

The conical upper portion of the traffic cone shall have a glossy, nonporous, fluorescent red-orange exterior mounted on a weighted, high density base. All separate elements of the traffic cones shall be joined by fusion. The bottom extremity of the conical portion shall be adequately fused to the base. All cones of a specified size shall be of uniform weight, size, color and configuration. The upper extremity of the cone shall be soft and pliable to allow easy handling. The composition of the conical section and the base of the cone shall be polyvinylchloride. The color of the conical section shall be fluorescent red-orange and the base shall be either fluorescent red-orange or black. The cones shall be designed and constructed with at least 4 lugs on the underside of the base to allow easy stacking and separation.

SPECIFIC REQUIREMENTS:

The cones shall conform to the MUTCD requirements along with the following requirements:

<u>PROPERTY</u>	<u>TYPE I (18 INCH)</u>
Height, Inches, Min.	18
Weight, Pounds	3.0 Plus or Minus 0.5
Base Width, Inches	11.0 Plus or Minus 0.5
Cone Diameter @ Base, Inches	7.3 Plus or Minus 0.3
Height of Lugs, Inches, Min.	0.2
Tensile Strength, PSI, Min., ASTM D412	1000
Bend Recovery (Test #1)	Pass
Sag at 150 Degrees Fahrenheit (Test #2)	Pass
Flexibility @ 15 Degrees Fahrenheit (Test #3)	Pass
Color Retention, No Appreciable Fading After 150 Hours in QUV	Pass

<u>PROPERTY</u>	<u>TYPE II (28 INCH)</u>
Height, Inches, Min.	28
Weight, Pounds	7 Min
Base Weight, Pounds	4 Min.
Base Width, Inches	15 x 15 Plus or Minus 0.5
Cone Diameter @ Base, Inches	10.5 Plus or Minus 0.3
Wall Thickness @ Top, Inches, Min.	.075
Wall Thickness @ Bottom, Inches, Min.	.130
Height of Lugs, Inches, Min.	0.2
Tensile Strength, PSI, Min., ASTM D412	1000
Hardness, Shore A, ASTM D2240	80 Plus or Minus 10
Bend Recovery (Test #1)	Pass
Sag at 150 Degrees Fahrenheit (Test #2)	Pass
Flexibility @ 15 Degrees Fahrenheit (Test #3)	Pass
Angle of Recovery, Min. (Test #4)	50 Degrees From Vertical
Color Retention, No Appreciable Fading After 150 Hours in QUV	Pass

TEST #1:

The cone placed in its normal position on a flat and level surface at room temperature shall be foldable at a point near the middle of its vertical height so that the upper tip touches the surface on which the base is resting and held there for 10 seconds. When released, the cone shall return to its original vertical position within 15 seconds.

TEST #2:

After 4 hours of exposure at 150 degrees Fahrenheit, the cone shall be self-supporting and show no signs of appreciable slump or sag.

TEST #3:

After 4 hours of exposure at 10 degrees Fahrenheit, the cone shall not show any evidence of cracking, splitting or breaking when folded as described in Test #1.

TEST #4:

The cone shall recover to its original position after being tilted at an angle of at least 50 degrees from the vertical and released.

REFLECTORIZED TRAFFIC CONES:

Reflectorized traffic cones shall conform to the above specifications for Type II (28 inch) cones. A minimum 6 inch wide, white, retroreflective band shall be placed a minimum of 3 inches, but no more than 4 inches from the top of the cone. A second 4 inch wide, white, retroreflective band shall be placed a minimum of 2 inches below the 6 inch wide band. The sheeting material used to construct the retroreflective band shall conform to ASTM D4956, Type VI and be listed on one of the following sections of the Approved Materials List (AML) for Reflective Sheeting: Section 1015M00250: Reflective Sheeting, TIII, TrafConeCollar, or Section 1015M00255: Reflective Sheeting, T VI, TrafConeCollar.

10036 Cone, traffic, 18 in., Type I
(01-17-6500)

10037 Cone, traffic, 28 in., Type II
(01-17-6528)