

**LOUISIANA  
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT  
SPECIFICATIONS**

**SAFETY PRODUCT  
TRAFFIC CONES  
TYPE II AND LOOPER STYLE**

**DESCRIPTION:**

This specification sets forth the requirements for 28" Type II Traffic Cones and 42" Looper Cones to be used by DOTD personnel for traffic channelizing during various roadway maintenance.

**28" TYPE II TRAFFIC CONE**

**Product ID 10037** – Type II Traffic Cone, 28"

**REQUIREMENTS:**

Type II Traffic Cone shall be constructed of soft, pliable, nonporous, fluorescent red-orange polyvinylchloride (PVC) and fused onto a weighted, high density, fluorescent red-orange or black polyvinylchloride base. The overall height from the base to the top of the cone shall be 28" +/- ½" with an overall minimum weight of seven pounds.

Cones shall conform to the requirements of ASTM D412, ASTM D2240 and most recent MUTCD requirements.

See **Diagram A** for a detailed image of the cone and dimensions.

**MATERIALS AND DESIGN:**

**CONE**

The base of the conical portion of the cone shall measure 7.5" – 10.5" in diameter. The top of the cone shall have a minimum wall thickness of .075" and a minimum wall thickness of .130" at the bottom.

Two (2) horizontal bands of white retroreflective sheeting shall encircle the cone. The upper band shall be 6" wide, +/- ¼", and installed 3" – 4" down from the top of the cone. The lower band shall be 4" wide, +/- ¼", and installed 2" – 3" below the bottom of the upper band.

## **RETROREFLECTIVE SHEETING**

The retroreflective sheeting bands shall conform to ASTM D4956, and be an approved product from the Approved Materials List (AML) for Reflective Sheeting under either the Material Category for Reflective Sheeting, TIII, TrafConeCollar, or the Material Category for Reflective Sheeting, T VI, TrafConeCollar.

## **BASE**

The base shall have a minimum weight of 4 pounds and be 13.75"- 15.25" wide. To allow easy stacking and separation, there shall be a minimum of four (4) lugs fused to the underside of the base. Lugs shall be a minimum of 0.2" in height.

## **LOOPER CONE AND BASE**

### **REQUIREMENTS:**

Looper cone shall be a two (2) part system consisting of a cone with a looper handle and a base. The assembled height of the looper cone, including the looper handle and base, shall not be less than 47" and no more than 50" overall.

Cones shall conform to the NCHRP-350 requirements for channelizing devices and most recent MUTCH requirements.

### **MATERIALS AND DESIGN:**

#### **CONE AND HANDLE**

##### **Product ID 50292 – Looper Cone w/o Base**

The cones shall be constructed of nonporous, fluorescent red-orange, low density polyethylene plastic. The body of the cone shall measure 42" in height. A loop style handle shall be located at the top of the cone. The handle shall measure a minimum of 5" in length and be configured to allow the attachment of an approved barricade light to the looper portion of the cone.

There shall be a minimum of four (4), two (2) white and two (2) orange, 4" – 6" wide horizontal retroreflective sheeting bands that encircle the cone in an alternating color pattern. The band installed at the top of the body of the cone shall be orange, the second band shall be white, and so on, with a maximum of 3" of space between the bottom of one band and the top of the next band.

## **RETROREFLECTIVE SHEETING**

The retroreflective sheeting bands shall conform to ASTM D4956 and be an approved product from the Approved Materials List (AML) for Reflective Sheeting under the Material Category for Reflective Sheeting Type III Reboundable.

See **Diagram B** for a detailed image of the cone and dimensions.

## **BASE**

### **Product ID 50290 – Base for Looper Cone**

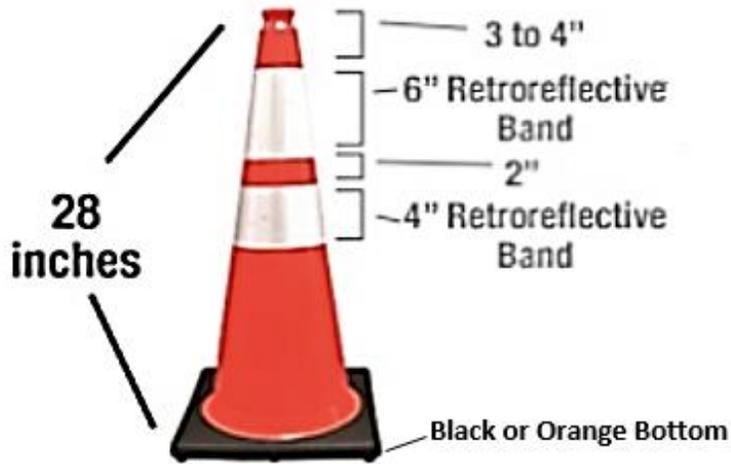
The base shall consist of 100% recycled rubber and weigh 30 – 35 pounds. The base shall be of an industry standard shape that is designed to allow the cone to be easily attached and detached through a center hole measuring  $7 \frac{3}{4}$ "  $\pm$  1/8" in diameter.

See **Diagram C** for images of looper cone base shapes.

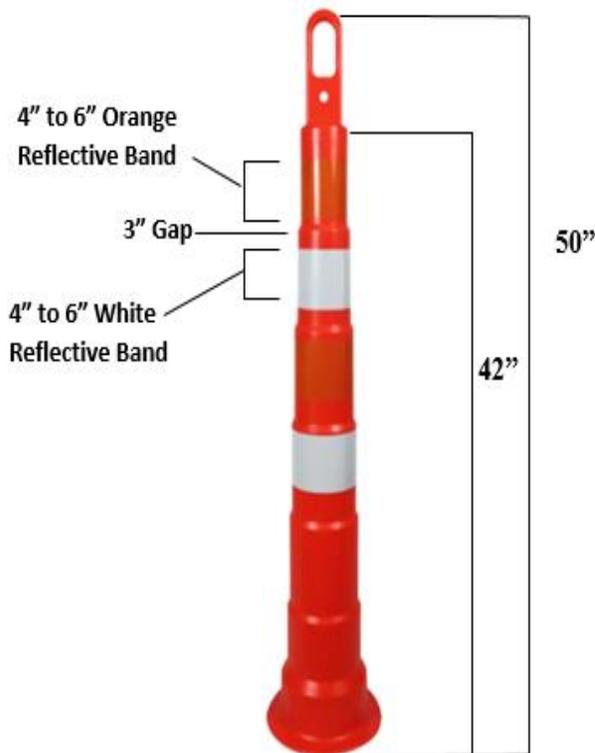
## **PACKAGING:**

Cones shall be palletized and wrapped. Weight not to exceed 2,000 pounds per pallet.

**Diagram A – Type II Traffic Cone**



**Diagram B – Looper Cone w/o Base**



**Diagram C – Base of Looper Cone**

