

PART 3. MARKINGS

CHAPTER 3F. ~~BARRICADES AND~~ barricades relocated to Section 2L.05  
CHANNELIZING DEVICES USED FOR EMPHASIS OF PAVEMENT MARKING PATTERNS

Markings Technical Committee Recommendations  
Approved by NCUTCD Council June 21, 2008

Yellow highlight indicates recommended changes to the NPA.

3F.01  
Approved by  
NC with  
revisions to  
NPA.  
Approved  
revision  
highlighted in  
yellow.

Section 3F.01 Channelizing Devices

Option:

Channelizing devices, as described in Sections 6F.61, 6F.62, 6F.63 and 6F.64, and shown in Figures 6F-7, such as traffie cones, and tubular markers, vertical panels, drums, and raised islands, may be used for general traffic control purposes such as adding emphasis to reversible lane delineation, channelizing lines, or islands. Channelizing devices may also be used along the center line of an undivided highway to preclude turns or along lane lines to preclude lane changing, as determined by engineering judgment.

Standard:

Except for color, the design of **added to increase accuracy** channelizing devices, including retroreflectivity, shall ~~conform to comply with the provisions of Sections 6F.67, 6F.68, and 6F.69.~~ **added to increase accuracy** ~~and~~ Channelizing devices shall be a minimum of 450 mm (18 in) in height.

The minimum height of ~~cones~~ channelizing devices **added to increase accuracy** shall be 700 mm (28 in) for use on freeways and other high-speed roadways, and on all facilities when used during hours of darkness or whenever more conspicuous guidance is needed.

The color of channelizing devices used outside of temporary traffic control zones shall be either orange or the same color as the pavement marking that they supplement, or for which they are substituted.

For nighttime use, channelizing devices shall be retroreflective (as described in Part 6) or internally illuminated. Bands on channelizing devices separating traffic flows in the same direction shall be white. Bands on channelizing devices separating traffic flows in the opposite direction and on the left side of one way/divided roadways shall be yellow. Except for the bands on channelizing devices that are used to separate traffic flows in opposing directions, the color of the retroreflective bands on channelizing devices shall be white. The bands on channelizing devices that are used to separate traffic flows in opposing directions shall be yellow.



~~Retroreflective material shall have a smooth, sealed outer surface that will display a similar color during both day and night.~~  
replaced by reference to Chapter 6F in Paragraph 2

~~Retroreflection of cones~~

~~shall be provided by a minimum 150 mm (6 in) white band placed a minimum of 75 mm (3 in) but no more than 100 mm (4 in) from the top.~~  
replaced by reference to Chapter 6F in Paragraph 2

~~When 700 mm (28 in) or larger size cones are used, the standard 150 mm (6 in) band shall be supplemented with an additional 100 mm (4 in) white band spaced a minimum of 50 mm (2 in) below the 150 mm (6 in) band.~~  
replaced by reference to Chapter 6F in Paragraph 2

~~Retroreflection of tubular markers shall be a minimum of two 75 mm (3 in) white bands placed a maximum of 50 mm (2 in) from the top with a maximum of 150 mm (6 in) between the bands.~~  
replaced by reference to Chapter 6F in Paragraph 2

Guidance:

Channelizing devices should be kept clean and bright to maximize target value.