



**California Traffic Control Devices Committee (CTCDC)
Agenda Item Report**



Meeting Date: August 1, 2024 Item Number: 24-07	From: Larry Schwartz, Caltrans
Sponsored By: Kevin Murai, Caltrans	Presented By: Larry Schwartz, Caltrans
Description: Revision to California Manual on Uniform Traffic Control Devices (CA MUTCD) Section 6F.64 to allow for an additional orange retroreflective band to be used on cones.	

Recommendation:

Motion by committee to recommend inclusion of the proposed revision to CA MUTCD Section 6F.64, to allow for an additional orange retroreflective band to be used on cones.

Agency Making Request/Sponsor:

Larry Schwartz, Caltrans / Kevin Murai, Caltrans

Background:

With safety being our number one priority, we are always looking for ways to enhance visibility during the hours of darkness. Our proposal is to add an option for an additional 4-inch orange retroreflective band approximately 2 inches below the 4-inch white retroreflective band on cones.

The California-specific language of the current CA MUTCD (2014, Revision 8) in Section 6F.64 "Cones" does not allow for the use of an additional orange retroreflective band below the white retroreflective bands on existing cones that are 28 to 36 inches in height.

Attachments:

Attachment A – Proposed changes to CA MUTCD Section 6F.64

Attachment B – Example Pictures of Cones with Additional Orange Retroreflective Band



ATTACHMENT A



Attachment A – Proposed changes to CA MUTCD Section 6F.64

Proposal:

Note:

Black text is consistent with the Federal MUTCD.

Blue text is current text as amended for use in California.

~~Struck-out red~~ text is National MUTCD text to be deleted from the CA MUTCD.

~~Struck-out blue~~ text is CA MUTCD additional text to be deleted from the CA MUTCD.

Red text is newly proposed text.

Modify Section 6F.64 as shown:

Section 6F.64 Cones

Standard:

01 Cones (see Figure 6F-7) shall be predominantly orange and shall be made of a material that can be struck without causing damage to the impacting vehicle. For daytime and low-speed roadways, cones shall be not less than 18 inches in height. When cones are used on freeways and other high-speed highways or at night on all highways, or when more conspicuous guidance is needed, cones shall be a minimum of 28 inches in height.

02 For nighttime use, cones shall be retroreflectorized or equipped with lighting devices for maximum visibility. Retroreflectorization of cones that are 28 to 36 inches in height shall be provided by a 6-inch wide white band located 3 to 4 inches from the top of the cone and an additional 4-inch wide white band located approximately 2 inches below the 6-inch band ~~or alternating orange and white retroreflective stripes that are 4 to 6 inches wide. Each cone provided with alternating orange and white stripes shall have a minimum of two orange and two white stripes with the top stripe being orange.~~

Option:

02a For cones that are 28 to 36 inches in height, an additional 4-inch orange retroreflective band may be added approximately 2 inches below the 4-inch white retroreflective band.

03 Retroreflectorization of cones that are more than 36 inches in height shall be provided by horizontal, circumferential, alternating orange and white retroreflective stripes that are 4 to 6 inches wide. Each cone shall have a minimum of two orange and two white stripes with the top stripe being orange. Any nonretroreflective spaces between the orange and white stripes shall not exceed 3 inches in width.

Option:

03a Additional white colored retroreflectorization may be added to the top and/or bottom sides of the base of cones (not part of the conical shape) to enhance visibility.

Support:

03b The 36 inch and 42 inch high cones provide additional conspicuity in visually complex environments and for older road users.



ATTACHMENT B

Attachment B – Example Pictures of Cones with Additional Orange Retroreflective Band





