



# EMPOWER | INNOVATION | CHAMPIONS 2014 INNOVATION FAIR

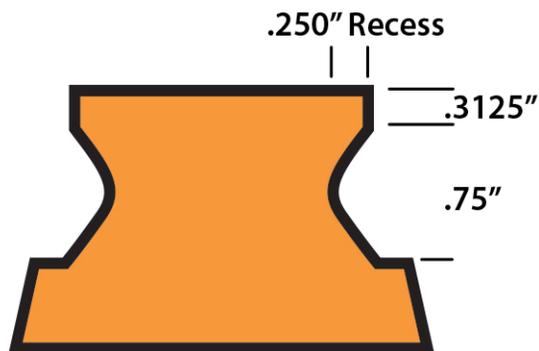
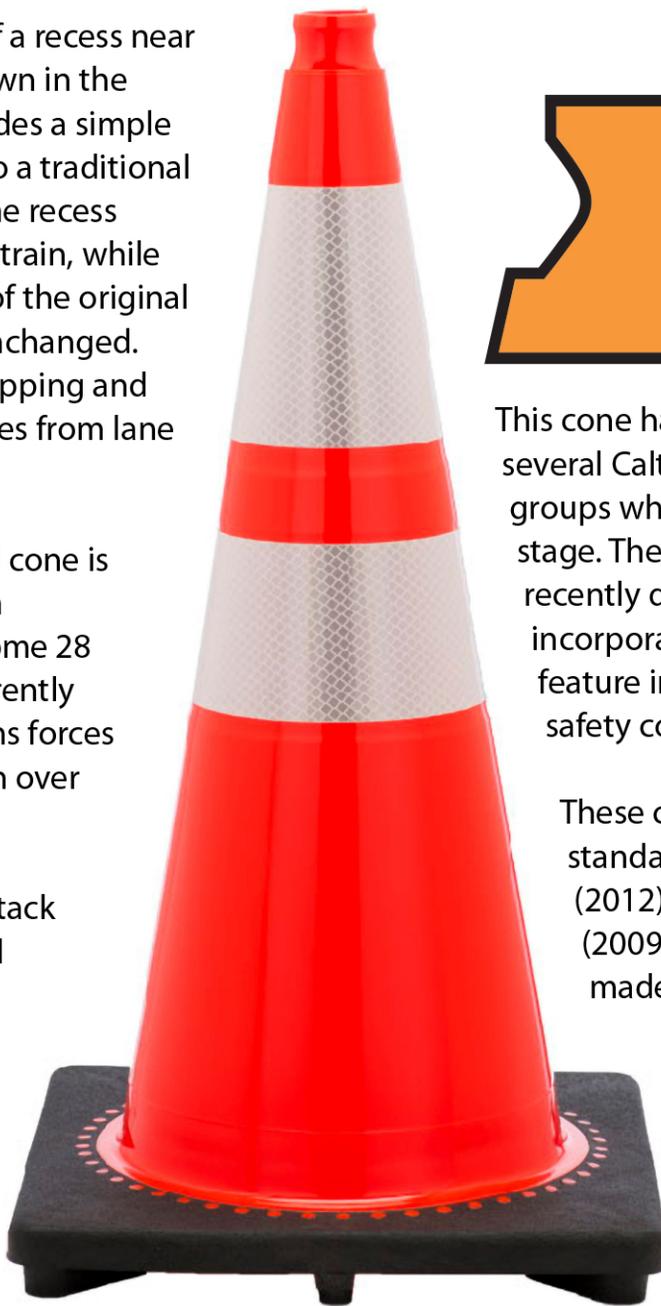
## DIVISION OF MAINTENANCE

### **Challenge:** Heavy and Cumbersome Safety Cones **Innovation:** Ergonomic Traffic Cones

The addition of a recess near the top, as shown in the diagram, provides a simple grip addition to a traditional safety cone. The recess reduces hand strain, while leaving much of the original cone design unchanged. This makes dropping and picking up cones from lane closures easier.

The 28 inch tall cone is 10.5 pounds. In comparison, some 28 inch cones currently used by Caltrans forces normally weigh over 14 pounds.

The cone can stack with traditional safety cones. Additionally, cones will not stick together when stacked on the belt of a cone truck.



This cone has been tested by several Caltrans Maintenance groups while in the prototype stage. The manufacturer has recently decided to incorporate this design feature into all of its safety cones.

These cones meet all standards for CA MUTCD (2012) and FHWA MUTCD (2009). The product is made of at least 60% recycled materials by weight and is 100% recyclable, exceeding the standards of Public Contract Code 12209(f)(1).