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Recommended Specification for LifeGard II Plastic, Traffic Safety Drum

The plastic traffic safety drum shall meet MUTCD requirements. They shall meet NCHRP-350 requirements, and are allowed for use on the National Highway System by an FHWA Policy Memo or FHWA Acceptance Letter.

Drum shall consist of two separate pieces: drum and ballast. Drum shall feature a breakaway design so that the drum separates from the drum ballast upon impact.

Drum shall be manufactured in a UV-stable orange color, from low or high density polyethylene plastic, with UV inhibitors.

Drum shall measure a minimum of 18" in diameter, and a minimum 36" in height. The drum shall be visible from all directions.

Drum shall feature an intermittent stacking rim to prevent drums from locking together when stacked, and to protect sheeting when drum is impacted.

Drum shall feature a minimum 12" flat section of the drum flange to slow rolling when impacted to reduce the risk of rolling into traffic.

The top of the drum shall be closed, and dome-shaped, to prevent debris from collecting.

Drum shall include a molded handle which accepts Type A and C Warning Lights.

The drum shall accommodate 4 bands of retroreflective sheeting.

Retroreflective sheeting shall meet all state and federal specifications. Shheeting shall be provided in 4" or 6" wide bands.

For ballast, the drum shall accept either a tire collar ballast that fits around the outside of the drum, or a rubber base ballast that snaps onto the inside bottom of the drum. Neither ballast shall exceed 4" in height.



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The drum tire collar ballast shall be made from 100% recycled material, and shall weigh about 25 lbs. It shall meet the attached tire collar specification.

The snap-on internal rubber base ballast shall weigh either 25 or 40 lbs. It shall feature two carrying handles, a ribbed bottom, and nest and stack easily for transport. It shall also feature a center hole of sufficient diameter to ballast a 42" channelizer.

The following applies to drums with 4 bands of sheeting: the drum shall feature a nominal 3" x 5" space for identification information. The information shall be affixed to the drum either by stencil or a "hot stamp" process. The "hot stamp" process is preferred, as the ink permeates the plastic, making it more impervious to damage from normal use.