

Standard Guidelines for Product Review

Traffic Separator, Curb, Surface Mounted, Temporary; Section 00225.12

April 7, 2011

DEPARTMENT OF
TRANSPORTATION

Construction Section

800 Airport Road SE
Salem, OR 97301-4798
503/986-3059

00225.12 Traffic Separator Curbs are durable combination of plastic curbs and tubular markers. They are designed to be attached to the roadway surface in temporary applications and used to delineate travel lanes. All versions need to comply with the MUTCD and crash worthiness testing is required. It is the manufacturer's responsibility to determine if the product is crash-worthy and durability. To determine this crashworthiness, they will have to use crash tests and or an engineering analysis.

To submit a product for review:

- Submit a completed [Preliminary Information Form for Product Evaluation](#).
- Submit shop drawings, brochures, pictures, and or samples sufficient for us to be able to determine that your product meets our specifications and is suitable for the application.
- Submit test data showing compliance with the Specifications listed below.
- Submit a "[Self-Certification](#)" indicating compliance with NCHRP 350/MASH Category 1.
- Each submittal should be specific to a model number, and only include one model.

Specifications - The unit shall comply with the MUTCD and the following:

- Manufactured of a material capable of withstanding impact without damage to the markers or vehicles at a temperature range of approximately 32 to 90 degrees F. The tube shall remain in the base when hit by vehicles and the curb shall not become detached from the roadway after multiple hits equivalent to testing performed by the National Transportation Product Evaluation Program (NTPEP).
- We require the curbs to be continuous and securely bolted to the pavement and the tubes shall be pinned or bolted to the curb. They shall be capable of remaining upright during normal traffic flow, and wind conditions in the area where they are used.
- Heights: 28", 36", and 48".
- Diameter: A minimum dimension of 3 inches facing on-coming traffic and a minimum dimension of 2 inches for all other orientations.
- Colored orange as required.
- Reflectorized with 2 flexible reflective bands at least 3 inches wide, securely attached no more than 2 inches from the top with no more than 6 inches nor less than 1 inch between the bands. The color of the reflective band shall match the color of tube.
- Reflective bands shall meet or exceed the requirements of ASTM D4956 Type III or Type IV.

Submit documentation and submittal forms to:

Oregon DOT - Materials Lab

Product Evaluation Coordinator

800 Airport Road SE

Salem OR 97301-4792

<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/QPL/QPIndex.shtml>