

Standard Guidelines for Product Review

Glare Shields;

Section 00822.00

July 12, 2001

00822.00 – Glare Shields

ODOT maintains a list of products suitable for placement on the top of concrete median barrier to block vehicle headlights from blinding on-coming motorists.

Glare shield blades shall conform to the following requirements:

- Blades shall not separate, pull apart, fatigue, pull out of the base unit, or deflect more than 10 degrees at their connection when subjected to a bending force of 1-kg per 56 mm of blade length applied at the blade face tip in a direction perpendicular to the blade axis. The blades shall be tested at a temperature of 23°C plus or minus 2°C and shall have been conditioned for at least 2 hours prior to the test.
- Blades shall be opaque, non-reflective, and may be green, gray, or brown.
- Blades shall be manually struck 5 times with a 1-kg wooden bat at 0° C. and at 23°C. The swing will be on a horizontal plane that impacts the blade near (but not limited to) its midpoint. The impacting force will be comparable to the athletic swing of a baseball bat being swung at a ball. Any damage occurring shall be reason for rejection, at the discretion of the engineer.
- Blades shall be of good quality workmanship, have good esthetics, and shall not constitute a hazard to the traveling motorist, even when hit.
- Blades on a modular unit shall be individually replaceable without replacing the entire unit.
- Reflectorized sheeting shall be tested for durability.

To apply for inclusion on the QPL, verify that the product meets the above specs, then submit the following:

- Preliminary information for Product Evaluation Form.
- Independent Test Data showing conformance with the above requirements.
- Spec data sheet, including the basic ingredients of the product.
- Detailed installation instructions.
- Representative sample for testing.

Submit samples and documentation to:

Mike Dunning
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800 Airport Road SE
Salem OR 97301-4798