

Standard Guidelines for Product Review

Glare Shields;
Section 00822.00

December, 2016

Glare Shields-00822.00

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 2# per 2.2 inches 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 74°F plus or minus 2°F 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 2# wooden bat at 32° F. and at 74°F. 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:

Oregon DOT Materials Lab
Product Evaluation Coordinator
800 Airport Road SE
Salem OR 97301-4798