

Standard Guidelines for Product Review

Section 00225.12 – Temporary Glare Screen

June, 2015

Temporary Glare Screen

Products will be commercially available meeting the following requirements.

The Temporary Glare Screen shall meet the following (Specifications):

- Glare Screens should block the view of Traffic up to a height of 62" above top of pavement. On standard concrete barrier of 32", the standard height of Glare screen should be 30". Glare Screens shall be a minimum of 30" tall to be considered.
- Installed Glare screen should span the ODOT 12'6" precast barrier.
- Glare Screen shall be interconnected in order to minimize bending and snagging.
- Glare Screen shall be made of rigid, durable, lightweight materials. Total weight of materials to span 12'6" concrete barrier, excluding supports, shall weigh less than 60 pounds.
- Glare Screen installation and removal should be easy. ODOT is providing contractors the ability to drill two 1.5" diameter holes spaced 6' feet apart, one foot in depth, centered on the barrier to install pipes that would support the Traffic Screen. Alternate installation methods will also be acceptable, but must be approved by ODOT. The size of pipe shall be specified by the manufacturer.
- The Glare Screens shall be recyclable and UV protected.
- Color of the Glare Screens shall be safety orange, or black.
- Glare Screen and supports shall be designed to meet a design wind speed of 110 mph with an I_r factor of 0.45, using the most recent version of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals. In addition, the height and exposure coefficient K_z shall be based on a glare screen base elevation of 30', to accommodate glare shields mounted on bridge rail overpasses.
- Any breakaway or loose parts of the Glare Screen should not pose a significant hazard to pedestrians or workers.

SUBMITTAL PROCESS:

- Submit the following:
 - [Preliminary Information for Product Evaluation Form](#).
 - Independent test results showing compliance with specs listed above,
 - Drawings showing dimensions and construction.
 - 6 copies of product brochures with pictures, etc.
 - Spec. Data sheet, including the basic ingredients of the product.
 - Details for design criteria.
 - Detailed installation instructions.
 - Detailed repair instructions.
 - List of limitations and precautions.
 - Demonstrate the ease of installation.

- **Submit to: Product Evaluation Coordinator**

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