

TEMPORARY GLARE SCREEN.

(REV 3-17-94) (FA 6-21-99) (7-00)

ARTICLE 102-3 (Pages 106-111) is expanded by the following new Subarticle:

102-3.4 Temporary Glare Screen:

102-3.4.1 General: Furnish, install, maintain, remove and relocate glare screen systems in conjunction with temporary barrier wall at locations identified in the plans.

102-3.4.2 Design and Installation: Meet the following requirements:

(a) Glare screen units shall be manufactured in lengths such that when installed the joint between barrier sections will not be spanned by any one modular unit. Color shall be green, similar to Federal Color Standard 595-34227.

(b) Blades, rails and/or posts shall be manufactured from polyethylene, fiberglass, plastic, polyester or polystyrene, and be ultraviolet stabilized and inert to all normal atmospheric conditions and temperature ranges found in Florida.

(c) For paddle type designs, the blade width shall not be less than 6 inches [150 mm], nor more than 9 inches [225 mm]. Blades or screen for individual or modular systems shall be 24 to 30 inches [600 to 750 mm] high and capable of being locked down at an angle and spacing to provide a cut-off angle not less than 20 degrees.

(d) For glare screen mounted on temporary barrier wall, a strip (6 by 12 inches) [(150 by 300 mm)] of reflective sheeting as specified in 994-2 shall be placed on a panel, centered in each barrier section (at a spacing not to exceed 15 feet [4.5 m]) and positioned in such a manner as to permit total right angle observation by parallel traffic. When glare screen is utilized on temporary concrete barriers, warning lights will not be required.

(e) Anchorage of the glare screen to the concrete barrier shall be capable of safely resisting an equivalent tensile load of 600 lb/ft [8.8 kN/m] of glare screen, with a requirement to use a minimum of three fasteners per barrier section.

(f) Prior to approval an impact test shall be performed by the manufacturer to verify the safety performance of the proposed system. The minimum impact strength of the posts, blades, rail and the barrier attachment design shall be sufficient to prevent the unit from separating from the barrier when impacted by a 3 inch [88.9 mm] outside diameter steel pipe traveling at 30 mph [48 km/h] and impacting mid-height on the glare screen assembly.

(g) All hardware shall be galvanized in accordance with ASTM A 123 or stainless steel in accordance with AISI 302/305.

Alternative designs for temporary glare screen may be submitted as a Value Engineering Change Proposal (VECP) in accordance with 4-3.5.

102-3.4.3 Certification: Furnish certified test reports including all applicable test methods stating that the materials comply with the requirements of this specification.

102-3.4.4 Qualified Products List (QPL): Manufactured glare screen systems may be modular or individual units listed on the Qualified Products List. A field impact test may be required by the Manufacturer to verify continual compliance with these Specifications.

