

SECTION 1069 -- TEMPORARY PAVEMENT MARKING

1069.01 -- Description

This specification covers temporary pavement marking tape ASTM D 4592 (Type I and II), Raised Pavement Markers (RPM), overlay markers, and pavement marking paint.

1069.02 -- Material Characteristics

1. a. The temporary pavement marking tape, Type I, shall be made with a tape-like material manufactured from a thin sheet of malleable aluminum coated with a white or yellow binder. It shall be reflectorized with glass beads and backed with a pressure-sensitive adhesive.

b. The tape shall be 100 mm wide, and the reflectorizing glass beads shall have an index of refraction of not less than 1.90.

2. a. Temporary pavement marking tape, Type II, shall be a mixture of high quality polymeric materials and pigments with glass beads throughout the pigmented portion of the film and reflectorized with glass beads bonded to the top surface.

b. The film shall be precoated with a pressure-sensitive adhesive. Unless otherwise specified, the temporary pavement marking shall be 100 mm wide and the reflectorizing glass beads shall have an index of refraction of not less than 1.90.

c. A nonmetallic medium shall be incorporated to facilitate removal, either manually or with a recommended roll-up device. The tape shall be capable of being easily removed from asphalt and portland cement concrete surfaces intact (or in large pieces), at temperatures above 5°C.

d. Removal shall be accomplished without the use of heat, solvents, grinding, or sandblasting.

3. a. Raised pavement markers shall consist of a plastic shell having a minimum width of 100 mm and maximum height of 20 mm with one or more prismatic reflective faces with a minimum of 2.45 cm² of reflective surface for each direction required to reflect incident light.

b. The marker shall be fitted with pressure-sensitive adhesive for application to a primed surface.

4. a. Overlay markers shall be made from impact-resistant polyurethane plastic.

b. The marker's approximate dimensions are 100 mm width by 50 mm height. The marker shall have 1 or 2 (as required to be seen) micro-prismatic reflective faces (approximate dimension 6 mm x 100 mm).

c. The base of the marker shall be fitted with a butyl rubber pad. Overlay markers shall not be used in place of raised pavement markers, tape, or paint.

5. Temporary pavement marking paint and glass beads shall be shown in the plans. Any commercially available reflectorized traffic paint may be acceptable if the plans or special provisions do not specify the type of paint.

1069.03 -- Acceptance Requirements

1. Acceptable temporary pavement markings, except paint and glass beads, are shown on the NDR Approved Products List.

2. Temporary pavement markings not on the NDR Approved Products List shall be approved by the Engineer before use.