

2206 - RAISED PAVEMENT MARKERS

SECTION 2206

RAISED PAVEMENT MARKERS

2206.1 DESCRIPTION

This specification covers Flexible Raised Pavement Markers and Rigid Raised Pavement Markers (Type I or Type II) for lane marking and delineation on both portland cement concrete and asphalt surfaces.

2206.2 REQUIREMENTS

a. General. Provide temporary raised pavement markers (RPMs) as shown in the Contract Documents. The markers shall be readily visible at night, from a minimum of 300 feet, when viewed with high beam automobile headlamps. Prior to use, markers must be approved by the Engineer.

Provide flexible RPMs which consist of a flexible body with retroreflective sheeting on both sides facing traffic. The markers shall be between 4 and 6 inches wide, be at least 2 inches tall and have a flat base for mounting to the road. The width of the marker will face traffic in each direction. Each marker shall use adhesive to secure the marker to the road surface and, when hit, will not cause damage to an automobile. Attach a cover to the marker to protect the retroreflective material during surfacing operations. Remove the cover after the operations to expose the retroreflective surface.

Provide rigid (Type I) RMPs that are traversable by motor vehicles and constructed of traffic bearing high impact plastic with 1 or 2 retroreflective faces, as shown in the Contract Documents. The markers shall be 2.5 to 4 inches wide and at least 0.4 inches high. The width of the marker will face traffic in each direction. Each marker shall use an adhesive to secure marker to the road surface and, when hit, the marker will not cause damage to an automobile. The adhesive used shall not stain the pavement and will allow the markers to be easily removed without damage to the roadway surface.

Provide rigid (Type II) RPMs constructed of traffic bearing high impact plastic with retroreflective surfaces on the 2 sides facing traffic. The marker shall be at least 2.5 inches high, 12 inches wide and 6 inches long. Each marker shall use adhesive to secure marker to the road surface and the adhesive used will not stain the pavement and will allow the markers to be easily removed without damage to the roadway surface.

b. Visibility. Markers shall be visible a minimum of 300 feet in daytime and nighttime conditions. Retroreflectivity measured under field conditions may be used to determine visibility.

c. Retroreflectivity. Provide the markers in solid white and yellow which comply with the minimum requirements shown in **TABLE 2206-1**:

| TABLE 2206-1: RETROREFLECTIVITY REQUIREMENTS | |
|--|---|
| Color | Millicandelas/sq m/lux (min.) (measured at 0.2° observation angle and 0° entrance angle) |
| White | 3.0 |
| Yellow | 1.8 |

d. Color. The marker shall be the same color as the retroreflective elements, which shall match the color of pavement marking they are intended to replace or supplement, or as shown in the Contract Documents. Marking color should be consistent throughout the body of the device.

2206.3 TEST METHODS

Test for retroreflectivity in accordance with ASTM E 809.

2206.4 PREQUALIFICATION

None required.

2206.5 BASIS OF ACCEPTANCE

Receipt and approval of a Type D certification as specified in **DIVISION 2600**.

Visual inspection for condition and dimensional requirements.