

Special Specification 6047

Prefabricated Pavement Markings for Seal Coat Projects



1. DESCRIPTION

Furnish and place retroreflectorized or non-reflectorized (contrast) prefabricated pavement markings.

2. MATERIALS

Furnish prefabricated pavement marking materials meeting the requirements of DMS-8240, "Permanent Prefabricated Pavement Markings."

Furnish prefabricated pavement marking materials used for contrast markings that conform to DMS-8240, "Permanent Prefabricated Pavement Markings," with the exception that the color requirement for the black contrast portion does not have to meet the color requirements specified for white or yellow markings.

Store all material in a weatherproof enclosure and prevent damage during storage.

3. CONSTRUCTION

3.1. **General.** Obtain approval for the sequence of work and estimated daily production. Before the end of each working day, remove all waste generated from the jobsite.

Establish guides to mark the lateral location of pavement markings as shown on the plans or as directed, and have guide locations verified. Use guide material that will not leave a permanent mark on the roadway.

Place pavement markings in alignment with the guides without deviating from the alignment more than 1 in. per 200 ft. of roadway or more than 2 in. maximum and with no abrupt deviations.

3.2. **Placement Limitations.** Do not place pavement-marking materials between September 30 and March 1 unless otherwise permitted.

3.2.1. **Moisture.** Apply material to pavement that is completely dry. Pavement will be considered dry if, on a sunny day after 15 min., no condensation occurs on the underside of a 1-ft.-square piece of clear plastic that has been placed on the pavement and weighted on the edges.

3.2.2. **Temperature.** Follow pavement and ambient air temperature requirements recommended by the material manufacturer. If the material manufacturer establishes no temperature requirements, do not place material if the pavement temperature is below 60°F or above 120°F.

3.3. **Dimensions.** Place markings in accordance with the color, length, width, shape, and configuration shown on the plans. Locate alignment as shown on the plans or as directed.

3.4. **Methods.** Place all material in accordance with the material manufacturer's instructions, unless otherwise directed. In addition to the manufacturer's instructions, place materials in accordance with the surface condition, moisture, and temperature requirements of this Item.

3.5. **Surface Preparation.** Prepare surface by any approved cleaning method that effectively removes contaminants, loose materials, and conditions deleterious to proper adhesion. Abrasive or water-blast cleaning is not required unless shown on the plans. Blast-clean, when required, in accordance with Item 678,

"Pavement Surface Preparation for Markings." Prepare surfaces further after cleaning by sealing or priming as recommended by the pavement marking material manufacturer or as directed. Use adhesive, when required, of the type and quality recommended by the pavement marking material manufacturer. Do not clean concrete pavement surfaces by grinding.

3.6. **Performance Requirements.**

3.6.1. **Adhesion.** Markings do not lift, shift, smear, spread, flow, or tear by traffic action.

3.6.2. **Appearance.** Markings present a neat, uniform appearance that is free of excessive adhesive, ragged edges, and irregular lines or contours.

3.6.3. **Visibility.** Markings have uniform and distinctive retroreflectance when inspected in accordance with Tex-828-B.

3.7. **Performance Period.** All markings must meet the requirements of this specification for at least 30 calendar days after installation. Remove and replace all pavement markings that fail to meet requirements at the Contractor's expense unless otherwise directed. Replace failing markings within 30 days of notification. All replacement markings must also meet all requirements of this specification for a minimum of 30 calendar days after installation.

4. **MEASUREMENT**

This Item will be measured by the foot or by each word, shape, or symbol.

This is a plans quantity measurement Item. The quantity to be paid is the quantity shown in the proposal, unless modified by Article 9.2., "Plans Quantity Measurement." Additional measurements or calculations will be made if adjustments of quantities are required.

5. **PAYMENT**

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Prefabricated Pavement Markings" of the type and color specified and the shape, width, and size specified as applicable. This price is full compensation for cleaning the pavement by any means other than required abrasive or water-blast cleaning or milling; furnishing and placing materials; and equipment, labor, tools, and incidentals.

Abrasive or water-blast cleaning and milling, when shown on the plans, will be paid for under Item 678, "Pavement Surface Preparation for Marking."