

SECTION 01451**TEMPORARY PAVEMENT TAPE MARKING FOR
MAINTENANCE OF TRAFFIC****01451.01 GENERAL****A. Description**

This work shall consist of furnishing and installing, complete in place, and removal of temporary reflective marking tape. Such tapes are intended for temporary use on construction projects. Placement shall be as shown on the Traffic Control Plan (TCP) and/or as directed by the Engineer. The tape shall be removed when it is no longer required for a particular construction phase or sequence, or at the completion of the Project.

B. Related Work Included Elsewhere

Traffic control plan; Section 01411.

C. Quality Assurance

1. The Engineer will inspect all materials before and/or after installation to ensure compliance with the Contract Documents.
2. The temporary pavement tape marking material as supplied shall be of good appearance, free from cracks, and edges shall be true, straight, and unbroken. The material shall be available in rolls, and there shall be no more than three splices per 50 yards of length. The material shall be packaged in accordance with accepted commercial standards. When the material is stored under normal conditions, it shall be suitable for use for a period of at least one year after purchase.

D. Submittals

1. Shop Drawings

Shop drawings shall be submitted as specified in the "General Provisions" for all tape supplied. The shop drawings shall include general product description and storage and application recommendations.

2. Certificates of Compliance Certificates of compliance shall be submitted as specified in the "General Provisions" stating that the tape meets the requirements specified in Section 01451.02.

01451.02 MATERIALS

A. Materials Furnished by the County

The County will not furnish any materials for temporary pavement tape marking.

B. Contractor's Options

Not applicable.

C. Detailed Material Requirements

1. General

The temporary pavement tape marking material shall consist of a weather and traffic resistant reflective film on a conformable backing.

2. Color

The temporary pavement tape marking material shall be a reflective white or yellow color as specified for pavement markings in the current edition of the Manual on Uniform Traffic Control Devices.

3. Reflectivity

The white and yellow film shall have the following initial minimum reflective intensity values measured in accordance with Federal Test Method Standard 370:

	White	Yellow
Observation Angle	0.2° - 0.5°	0.2° - 0.5°
Specific Intensity/Unit Area Candles/Foot Candle/sq. ft	0.65 - 0.50	0.48 - 0.32
Entrance Angle	-4°	-4°

4. Adhesive

The temporary pavement tape marking material shall be capable of being affixed to bituminous concrete, Portland cement concrete, or similar surfaces when applied according to the manufacturer's recommendations at surface temperatures down to 35 Degrees Fahrenheit and shall require no protective devices such as traffic cones or barricades after application.

5. Skid Resistance

The surface of the reflective film shall provide a minimum skid resistance value of 35 BPN when tested according to ASTM E 303.

6. Durability and Wear Resistance

Samples of the material shall be applied to a 4-inch x 4-inch metal test panel, which is a minimum thickness of 0.040 inches and prepared for application according to the recommendations of the manufacturer. The applied sample shall be tested in accordance with Federal Test Method Standard No. 141, Method 6192, using a CS-17 wheel and 1000-gram load and shall not wear through to the metallic surface in less than 3000 cycles. Care should be taken to adjust the vacuum suction for the most effective removal of the abradings.

01451.03 EXECUTION

A. Preparation

The pavement should be clean and dry with all contaminants such as dirt and loose asphalt particles removed prior to application of temporary pavement marking material. Loose or poorly adhered painted markings must be removed as well and an effort should be made not to apply temporary pavement marking tape over existing painted surfaces.

B. Installation

The temporary pavement tape marking material may be installed either by hand application or mechanical applicator in accordance with the manufacturer's recommendations. The temporary pavement marking tape material shall be maintained and/or replaced by the Contractor until final removal is directed by the Engineer.

C. Removal

The Contractor must physically demonstrate to the Engineer that there will be no damage to the pavement surface upon removal of the temporary pavement tape marking material. However, the illusion of a line may appear due to adhesive residue remaining after removal of the tape. All tape and all adhesive residue remaining that is indicated by the Engineer for removal shall be completely removed by the Contractor.

01451.04 METHOD OF MEASUREMENT

A. Tape Installation

Measurement for temporary pavement striping tape will be made of the length of tape stripe marking satisfactorily applied to the pavement. Maintenance and replacement due to normal wear will not be measured.

B. Tape Removal

Measurement for tape removal will be made of the length of tape stripe marking satisfactorily and completely removed.

01451.05 BASIS OF PAYMENT

A. Tape Installation

Payment for temporary pavement striping tape for maintenance of traffic will be made at the price bid per linear foot of temporary pavement striping tape installed complete in place. The price bid shall include the furnishing, placement, maintenance, and replacement due to normal wear, use of tools, all labor, and equipment incidental thereto.

B. Tape Removal

Payment for removal of temporary pavement striping tape used for maintenance of traffic will be made at the price bid per linear foot of temporary pavement striping tape removed. Payment will constitute full compensation for the satisfactory and complete removal of applied tape and all necessary labor, equipment, and tools incidental thereto.