

## SECTION 961—COLD PLASTIC PAVEMENT MARKINGS OR LEGENDS

**961.1 DESCRIPTION**—This work is the furnishing and installation of plastic pavement markings or legends, of the type indicated.

**961.2 MATERIAL**—[ASTM D 4505](#). When required, provide compatible “adhesive activator” or “primer sealer,” as listed in [Bulletin 15](#) or as recommended by the manufacturer.

### 961.3 CONSTRUCTION—

**(a) General.** For proper adhesion, perform surface preparation of the road surface and provide the pretreatment according to [Bulletin 15](#) or recommended by the manufacturer. Clean the roadway surface where the cold plastic pavement markings or legends will be applied. Remove all surface treatment, laitance, curing compound, or any contaminants that would hinder adhesion. Clear any loose dirt and other debris from the application area. Use a cleaning method that includes, as a last operation, the use of compressed air over the application area to provide a dust-free surface. Surface preparation is incidental to the application of cold plastic pavement markings or legends, except for the removal of pavement markings which is performed and paid for under [Section 963](#). Identify the location of the final pavement markings. The Inspector-in-Charge will approve the locations. Apply on dry pavement when the roadway temperature is greater than or equal to 16 °C (60F), unless, unless otherwise directed.

Apply according to the manufacturer's instructions.

Provide applicator units, manual or automatic, that are capable of applying two parallel lines simultaneously with a 150 mm (6-inch) space between the lines.

**(b) Retroreflectivity.** Provide markings with an average minimum initial retroreflectivity of 250 mcd/m<sup>2</sup>/lux for white and 200 mcd/m<sup>2</sup>/lux for yellow. Under the direction and supervision of the Representative, measure with a 30-meter geometry retroreflectometer conforming to [ASTM E-1710](#) within 21 days after installation in accordance with [PTM No. 431](#).

**(c) Inlaid.** Applied as part of a bituminous resurfacing project. Place the material, with a thickness of 1.5 mm ± 0.1 mm (60 mils ± 2 mils) to 2.25 mm ± 0.1 mm (90 mils ± 3 mils), on the pavement before final compaction and within the temperature range specified by the manufacturer. Roll the material into the new surface to achieve a flush finished surface.

**(d) Surface Applied.** Apply the material with a thickness of 1.5 mm ± 0.1 mm (60 mils ± 2 mils), onto the existing, cleaned surface of concrete or bituminous roadways.

**(e) Guarantee.** Where directed, remove or replace material that in accordance with [Section 107.16\(b\)](#) has not remained within close conformity to location or has not remained effective in performing useful service for a period of 180 days from the date of acceptance. The minimum acceptable service is as follows:

- **Longitudinal Markings.** 90% of material remains in each 305 m (1,000-foot) section of marking where the intersection unit is defined as material on an approach leg within 50 m (160 feet) of the intersection.
- **Transverse Markings, Legends, and Symbols.** 90% of material remaining for each individual legend, symbol, crosswalk, or stop line.

### 961.4 MEASUREMENT AND PAYMENT—

**(a) Line.** Meter (Linear Foot)

**(b) Plastic Legend.** Each