

Section 02582

THERMOPLASTIC PAVEMENT MARKING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Thermoplastic pavement markings.

1.02 UNIT PRICES

- A. Measurement for linear pavement markings is on a linear foot basis for each width, measured in place.
- B. Measurement for words and symbols is on a lump sum basis for each word or symbol.
- C. Refer to Section 01025 – Measurement and Payment for unit price procedures.

1.03 SUBMITTALS

- A. Submittals shall conform to requirements of Section 01300 – Submittals.
- B. Each container shall be clearly marked to indicate the color, weight, Type of material, manufacturer’s name and the lot/batch number.

PART 2 PRODUCTS

- A. Pavement markings are thermoplastic type marking materials that require heating to elevated temperatures for application.
- B. Materials shall conform to TxDOT Specification Item 666.

PART 3 EXECUTION

3.01 GENERAL

- A. Prepare pavement surfaces and install markings in accordance with manufacturer’s recommendations and TxDOT specifications.
- B. Accurately locate and install approved markings to conform to classes, colors, lengths, widths, and configurations indicated on Drawings.

3.02 PREPARATION

- A. Clean and repair surfaces to receive markups. Blast clean surfaces indicated on Drawings or where directed by the Engineer in accordance with requirements of Section 02581. Do not clean portland cement concrete pavements by grinding.

3.04 SURFACE INSTALLATION

- A. Test pavement surface for moisture content prior to application of markings. Place an approximate 2 square foot sheet of clear plastic or tar paper on road surface and hold in place for 20 minutes. Immediately inspect the sheet for build up of condensed moisture. If sufficient moisture has condensed to cause water to drip from sheet, do not apply markings. Repeat test as necessary until adequate moisture has evaporated from pavement to allow placement.
- B. Observe manufacturer's recommended pavement and ambient air temperature requirements for application. If manufacturer has no temperature recommendations, do not install markings if pavement temperature is below 60 degrees F or above 120 degrees F.
- C. Prime pavement surface and apply markings as recommended by manufacturer.

3.05 FIELD QUALITY CONTROL

- A. Pavement markings shall present a neat, uniform appearance.
- B. Repair or replace improperly installed markers at Contractors expense.

3.06 CLEANING

- A. Keep project site free of unnecessary traffic hazards at all times.
- B. Clean area upon completion of work and remove rubbish from work site.

3.07 WARRANTY

- A. Contractor shall warrant material and labor for a period of twelve months from date of installation of markings. Immediately upon notification, replace portions of pavement marking lines or legends that have lifted, shifted or spread, lost daytime color, or nighttime retro-reflectivity.

END OF SECTION