

**SECTION 02580  
PAVEMENT MARKING**

**PART 1 - GENERAL**

**1.1 SUMMARY:**

**A. Section Includes:**

1. Directional arrows.
2. Handicapped symbol marking.
3. Lane marking.
4. Parking stall identification.
5. In-laid thermo-plastic markings.

**B. Related Sections:**

1. Section 02513 - Asphaltic Concrete Paving.
2. Section 09900 - Painting.

**1.2 QUALITY ASSURANCE:**

**A. Mock-Up:**

1. Provide samples of the following:
  - a. Traffic lane stripe, 10 linear feet.
  - b. One parking stall stripe.
  - c. Handicapped symbol.
  - d. One curved directional arrow.
  - e. One straight directional arrow.
2. Approved samples may remain as part of the final work. Rejected samples shall be removed from the substrate.

**1.3 PROJECT CONDITIONS:**

- A. Do not apply in-laid thermo-plastic marking when surface or air temperature is less than 55° F., or when moisture content of substrate is above manufacturer's recommendations.

**PART 2 - PRODUCTS**

**2.1 MATERIALS:**

A. Lane Marking Paint:

1. Opaque White: Matching Federal Standard 585 for white paint and having the daylight directional reflectance specified in FS TT-P-115f, Type I.
2. Yellow: Match color chip No. 13538 of Federal Standard 595A with yellow color within the green and red tolerance limits when compared with the latest Highway Yellow Color Tolerance Chart, PR Color No. 1, U.S. Department of Transportation, Federal Highway Administration.

B. In-Laid Thermo-Plastic Markings:

1. Provide "Cata-Therm" by Cataphote, Inc., 1-800-221-2574, white reflective color, or approved substitute alkyd-based thermo-plastic material complying with AASHTO M249.
2. Provide drop-in glass beads which are skid-resistant and which comply with the City of Colorado Springs standards.

## PART 3 - EXECUTION

### 3.1 APPLICATION:

- A. Apply with mechanical equipment to produce a wet film thickness not less than 0.015" and 4" line widths unless otherwise required.
- B. Handicap Parking: International symbol for handicap parking (no blue background).
- C. In-Laid Thermo-Plastic Markings:
  1. Provide for all crosswalks and stop bars.
  2. Saw or grind grooves in pavement for application of thermo-plastic material.
  3. Prime substrate as required by manufacturer.
  4. Install in accordance with manufacturer's instructions. Apply in 250 to 400 mil thickness. Apply such that cooled material is flush with or slightly above groove lip.
  5. Crosswalks: Provide 24" bars applied in "Continental" style (center of lane and center of line). Provide 8' minimum wide crosswalks.
  6. Stop Bars: Provide 24" wide bars.

7. Glass Beads: Drop into thermo-plastic material immediately after application.

**END OF SECTION 02580**