

SECTION 32 17 23.13 – PAINTED PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. This Section pertains to the application of pavement marking as indicated on the drawings and as specified herein.

1.2 APPLICABLE PUBLICATIONS

- A. Harris County Public Infrastructure Department Engineering Division Specifications for Roads and Bridges within Harris County, Texas, published April 1988 latest revision February 2011.
- B. Drawings and general provisions of the Contract, including General and Supplemental Conditions and Division 1 Specifications apply to this section.

1.3 SUBMITTALS (NOT USED)

1.4 PROJECT CONDITIONS

- A. The Contractor shall provide adequate public protection at all times, by erecting fences, barricades, and etc., as necessary.
- B. All work shall be in accordance with the Texas Manual on Uniform Traffic Control Devices latest edition.
- C. Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 40 deg F (4 deg C) for oil-based materials, 50 deg F (10 deg C) for water-based materials, and not exceeding 95 deg F (35 deg C).

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver pavement-marking materials to Project site in original packages with seals unbroken and bearing manufacturer's labels containing brand name and type of material, date of manufacture, and directions for storage.
- B. Store pavement-marking materials in a clean, dry, protected location within temperature range required by manufacturer. Protect stored materials from direct sunlight.

PART 2 - PRODUCTS

2.1 PRODUCTS

- A. Materials shall consist of paint and glass beads. Paint for stripping shall conform to Harris County Engineering Specifications Item 676 latest edition 2003. Glass reflective beads for traffic paint shall conform to Harris County Engineering Specification Item 662 latest edition 2011.

PART 3 - EXECUTION

3.1 APPLICATION

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Owner.
- B. Allow paving to age for 30 days before starting pavement marking.
- C. The pavement surface to receive the striping shall be thoroughly cleaned of all dirt, organic growth, oil, grease, or other materials that will prevent adhesion of the paint to the roadway surface.
- D. Paints shall be applied by brush, spray, or flow methods to clean and dry surfaces with surface temperature 50 F or above.
 - 1. Paint shall have net film thickness of 0.015 inches with a uniform cross section. Minimum thickness of 0.010 inches measured in the dry condition prior to adding any glass reflective spheres.
 - 2. Paint shall be applied no sooner than 14 days after seal coat has been applied.
 - 3. Paint shall be applied in one (1) coat.
 - 4. Paint shall be applied as shown on drawings.
 - 5. Glass spheres or reflectorized granules shall be applied, before the paint sets or dries, evenly at a rate of 6 pounds of glass spheres or 1.7 pounds of reflectorized granules per gallon of paint.

END OF SECTION