

## University of Houston Master Specification

<Insert Project Name>  
<Insert U of H Proj #>

<Insert Issue Name>  
<Insert Issue Date>

### SECTION 32 1723.13 – PAINTED PAVEMENT MARKINGS

Maintain Section format, including the UH master spec designation and version date in bold in the center columns of the header and footer. Complete the header and footer with Project information

Edit and finalize this Section, where prompted by Editor's notes, to suit Project specific requirements. Make selections for the Project at text identified in bold.

This Section uses the term "Engineer." Change this term to match that used to identify the design professional as defined in the General and Supplementary Conditions.

Verify that Section titles referenced in this Section are correct for this Project's Specifications; Section titles may have changed.

Delete hidden text after this Section has been edited for the Project.

#### PART 1 - GENERAL

##### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. The Contractor's attention is specifically directed, but not limited, to the following documents for additional requirements:
  - 1. The current version of the *Uniform General Conditions for Construction Contracts*, State of Texas, available on the web site of the Texas Facilities Commission.
  - 2. The University of Houston's *Supplemental General Conditions and Special Conditions for Construction*.

##### 1.2 SUMMARY

- A. This Section pertains to the application of pavement markings in parking lots and garages, at designated cart parking and service areas, along fire lanes and at fire hydrants, as indicated on the Drawings and as specified herein.

##### 1.3 APPLICABLE PUBLICATIONS

- A. Harris County Public Infrastructure Department Engineering Division Specifications for Roads and Bridges within Harris County, Texas, current edition.

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### 1.4 SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified, submit one 4 inch by 4 inch sample on minimum 1/2 inch thick fiber cement board.

### 1.5 PROJECT CONDITIONS

- A. All work shall be in accordance with the Texas Manual on Uniform Traffic Control Devices, current edition.
- B. Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 40 degrees F (4 degrees C) for oil-based materials, 50 degrees F (10 degrees C) for water-based materials, and not exceeding 95 degrees F (35 degrees C).

### 1.6 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

- A. Paint for striping shall conform to Harris County Engineering Specifications Item 676, current edition.
- B. Glass reflective beads for traffic paint shall conform to Harris County Engineering Specification Item 662, current edition.

## 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 three days before starting pavement marking.
- C. Thoroughly clean pavement surface of all dirt, organic growth, oil, grease, or other materials that will prevent adhesion of the paint to the pavement surface.

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1. Sweep and clean surface to eliminate loose material and dust.
- D. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates.
  1. Apply paint with a wet film thickness of 0.015 inches and with a uniform cross section. Minimum thickness of 0.010 inches measured in the dry condition exclusive of glass reflective spheres.
  2. Apply paint no sooner than 14 days after seal coat has been applied.
  3. Apply paint in a single coat.
  4. Apply paint as shown on Drawings.
    - a. Apply graphic symbols and lettering with paint-resistant, die-cut stencils. Apply paint so that it does not run beneath the stencil.
  5. Apply glass spheres or reflectorized granules, 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 32 1723.13

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