# SECTION 32 17 23

# PAVEMENT MARKINGS

## PART 1 GENERAL

### 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

### 1.2 SUMMARY

A. This Section includes painting the following items:

1. Parking Striping.
2. Traffic Arrows.
3. Accessibility International Symbol.

B. Pavement Marking Contractor shall verify compatibility of his paint with all sealers, sealants, traffic coatings and all other materials of the surface to be painted.

### 1.3 SUBMITTALS

A. Provide manufacturer's technical information and instructions for handling, storing and applying materials proposed for use.

## PART 2 PRODUCTS

### 2.1 MATERIALS

A. Paint shall meet the requirements of Federal Specifications TT-P-115F, Type I classification. Paint shall be manufactured from first grade materials and shall be free from defects that would affect the service use of the paint.

B. Color of paint shall be yellow. Without glass beads, daylight directional reflectance shall not be less that 82% in accordance with Federal Test Method Standard 141a, Method 6121.

C. Subject to compliance with requirements, provide products of one of the following:

1. "G2-408 Heavy Yellow Traffic Paints", RAE Products & Chemical Corporation.

2. "Setfast Acrylic Latex Traffic Marking Paint TM2161 Yellow", Sherwin-Williams Corporation.
3. "Traffic Line Paints No. 381.00 Yellow", Fuller O-Brien.
4. "Traffic Line 44201 Yellow", Devoe & Reynolds Company.

D. Accessibility International Symbol character shall follow proportions as specified in ANSI A117.1-1986.

## PART 3 EXECUTION

### 3.1 EXAMINATION

A. Examine substrates and conditions under which painting will be performed for compliance with paint application requirements. Surfaces must be thoroughly dry before paint is applied.

1. Do not begin to apply paint until unsatisfactory conditions have been corrected.
2. Start of painting will be construed as the Applicator's acceptance of surfaces and conditions within a particular area.

B. Coordination of Work: Review other Sections in which surface treatments are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.

1. Notify the Architect of anticipated problems using the materials specified over substrates.

### 3.2 PREPARATION

A. General: Striping shall not be placed until full cure of concrete sealer (generally, 14 days @ 70 degrees or higher) or bituminous pavement (generally, 30 days @ 45 degrees or higher) has been obtained.

B. Cleaning: Before applying paint or other surface treatments, clean the substrates of substances that could impair the bond of the various coatings. Remove oil and grease prior to cleaning. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

C. Surface Preparation: Clean and prepare surfaces to be painted according to the manufacturer's instructions for each particular substrate condition and as specified.

### 3.3 APPLICATION

A. General: Apply paint according to manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.

B. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.

C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to the manufacturer's directions.

D. Minimum Coating Thickness: 12 mils wet thickness.

E. Lay out all striping in accordance with the dimensions and details shown on the Drawings. Before starting, notify Architect of any discrepancies or interferences for actual field conditions. Painting Contractor shall be responsible for removing paint and repainting any incorrect markings that would have been corrected by such notification.

## 3.4 FIELD QUALITY CONTROL

A. The Owner reserves the right to invoke the following test procedure at any time and as often as the Owner deems necessary during the period when paint is being applied:

1. Engage the services of an independent testing agency to sample the paint material being used. Samples of material delivered to the Project will be taken, identified, sealed, and certified in the presence of the Contractor.
2. The testing agency will perform appropriate tests for the following characteristics as required by the Owner:

   a. Quantitative materials analysis.
   b. Apparent reflectivity.
   c. Washability.
   d. Accelerated weathering.
   e. Dry opacity.
   f. Color retention.

3. If test results show material being used does not comply with specified requirements, the Contractor may be directed to stop painting, remove noncomplying paint, pay for testing, repaint surfaces coated with rejected paint, and remove rejected paint from previously painted surfaces if, upon repainting with specified paint, the two coatings are incompatible.

## 3.5 CLEANING

A. Cleanup: At the end of each work day, remove empty cans, rags, rubbish, and other discarded paint materials from the site.

1. After completing painting, clean all adjacent paint-spattered surfaces. Remove spattered paint by washing and scraping. Be careful not to scratch or damage adjacent finished surfaces.

**3.6 PROTECTION**

A. Protect work of other trades, whether being painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as acceptable to Architect.

B. Provide "Wet Paint" signs to protect newly painted finishes.

END OF SECTION 32 17 23