

SECTION 02765 - PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes

1. Re-painting of sidewalk striping as shown on the Drawings or as directed by the Authority Having Jurisdiction (AHJ).
 - a. If existing sidewalk striping at curb is for fire lane, re-paint associated fire lane striping in drive lane, if applicable.

1.2 REFERENCE STANDARDS

A. American Association of State Highway and Transportation (AASHTO)

1. AASHTO M248 - Ready-Mixed White and Yellow Traffic Paints

B. ASTM International (ASTM)

1. ASTM D4414 - Standard Practice for Measurement of Wet Film Thickness by Notched Gages.

C. Federal Specifications (FS)

1. FS A-A-2886 - Paint, Traffic, Solvent Based
2. FS TT-P-1952 - Paint, Traffic And Airfield Marking, Waterborne

1.3 PROJECT CONDITIONS

- A. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Utilize Temporary Controls specified in Section 01500 as required.

1.4 QUALITY ASSURANCE

- A. Use experienced personnel trained in applying the products and operating the equipment required for properly performed work.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Paint shall be waterborne or solvent borne and shall comply with all applicable local ordinances and state laws enacted to ensure compliance with Federal Clean Air Standards. Paint materials shall conform to the restrictions of the local Air Pollution Control District, if applicable.
- B. Waterborne Paint: Paints shall conform to FS TT-P-1952.
- C. Solvent Borne Paint: Paint shall conform to FS A-A-2886 or AASHTO M248. Paint shall be non-bleeding, quick-drying, and alkyd petroleum-based paint suitable for traffic-bearing surface, and shall be mixed in accordance with manufacturer's instructions before application.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine surfaces and adjacent areas where products will be applied and verify that surfaces conform to product manufacturer's requirements for substrate conditions. Do not proceed until unsatisfactory conditions have been corrected.

- B. Beginning of application indicates acceptance of substrate conditions.

3.2 PREPARATION

- A. Sweep and clean surface to eliminate loose material and dust.
- B. Prepare surfaces to be painted in accordance with paint manufacturer's written instructions.
- C. Existing striping interfering with or conflicting with the newly applied striping shall be removed using a motorized abrasive device. Deteriorated or obscured striping that is not misleading or confusing or does not interfere with the adhesion of the new striping does not require removal. Whenever removal operations are performed, the work shall be conducted in such a manner that the finished pavement surface is not damaged or left in a pattern that is misleading or confusing. When these operations are completed the pavement surface shall be blown off with compressed air to remove residue and debris resulting from the cleaning work. Coordinate method of marking removal with Authority Having Jurisdiction if markings are in a public right-of-way.
- D. New pavement surfaces shall be allowed to cure for not less than 30 days before application of marking materials.

3.3 APPLICATION

- A. Apply two coats of paint at manufacturer's recommended rate, without addition of thinner, with maximum of 100 square feet per gallon or as required to provide a minimum wet film thickness of 15 mils and dry film thickness of 7 ½ mils per coat. Paint shall be applied for a total dry film thickness of 15 mils. Apply with mechanical equipment to produce uniform straight edges. Use straightedge to ensure uniform, clean, and straight stripe.
- B. Install pavement markings according to manufacturer's recommended procedures for the specified material.
- C. The following items shall be re-painted with colors noted below:
 1. Exterior Sidewalk Striping: Match existing.
 2. Fire Lane Striping: Red or per local code

3.4 FIELD QUALITY CONTROL

- A. Inspection: After the paint has thoroughly dried, visually inspect the entire application and touch up as required to provide clean, straight lines and surfaces throughout.
- B. Testing: Minimum of one test on each stripe. At least one test shall be performed after refilling paint striping machine, changing operators of striping machine, and changing paint types, brands, etc. This shall be performed in addition to the testing stated above. These tests shall be performed on each coat applied. Testing shall be performed in accordance with ASTM D4414.

3.5 CLEANING

- A. Waste materials shall be removed at the end of each workday.
- B. Upon completion of the work, all containers and debris shall be removed from the site.
- C. Paint spots upon adjacent surfaces shall be carefully removed by approved procedures that will not damage the surfaces.

END OF SECTION