

## SECTION 02577 - PAINTING PARKING STRIPES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Work under this section of the specifications consists of furnishing all plant, labor, equipment, appliances, and materials and performing all operations necessary to install painted parking stripes complete in strict accordance with this section of the specifications and the applicable drawings and subject to the conditions of the contract.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Paint shall be in sealed containers that plainly show the designated name, formula or specification number, batch number, color, date of manufacture, manufacturer's name, formulation number, and directions, all of which shall be plainly legible at the time of use. The paint shall be homogeneous, easily stirred to smooth consistency, and shall show no hard settlement or other objectionable characteristics. Paint shall conform to AASHTO M 248-74, Type I or II. Color shall be yellow, white and blue as indicated.

### PART 3 - EXECUTION

#### 3.1 EQUIPMENT

- A. All machines, tools, and equipment used in performance of the work shall be approved and maintained in satisfactory operating condition. Hand-operated push-type machines of a type commonly used for application of paint to pavement surfaces shall be acceptable for marking small street and parking areas. Applicator machine shall be equipped with necessary paint tanks and spraying nozzles, and shall be capable of applying paint uniformly at the coverage specified. Sandblasting equipment shall be provided as required for cleaning surfaces to be painted. Hand-operated spray guns shall be provided for use in areas where push-type machines cannot be used.

#### 3.2 SURFACE PREPARATION

- A. New pavement surfaces shall be allowed to cure for a period of not less than thirty days before application of marking materials. All surfaces to be marked shall be thoroughly cleaned before application of the paint. Dust, dirt, and other granular surface deposits shall be removed by sweeping, blowing with compressed air, rinsing with water or combination of these methods as required. Rubber deposits, surface laitance, and other coatings adhering to the pavement shall be completely removed with scrapers, wire brushes, sandblasting, approved chemicals, or mechanical abrasion as directed.

#### 3.3 APPLICATION

- A. Paint shall be applied evenly to the pavement surface to be coated at a rate of 105 plus or minus 5 square feet per gallon. Paint shall be applied as shown on the drawings.

#### 3.4 PAINT

- A. Paint shall be applied to clean, dry surfaces, and unless otherwise approved, only when air and pavement temperatures are above 40<sup>N</sup> F. and less than 95<sup>N</sup> F. Paint temperature shall be maintained within these same limits. Paint shall be applied pneumatically with approved equipment at rate of coverage specified herein. The Contractor shall provide guidelines and template as necessary to control paint application. Special precautions shall be taken in marking numbers, letters and symbols. All edges of markings shall be sharply outlined. The maximum drying time requirements of the paint specifications will be strictly enforced, to prevent undue pickup,

displacement, or discoloration by tires of traffic. If there is a deficiency in drying of the markings, painting operations shall be discontinued until cause of the slow drying is determined and corrected.

END OF SECTION 02577