

ARTICLE XV – PAINTING

15.1 GENERAL - The work to be done under this Article consists of surface preparation and painting of the exterior surfaces of the new gate frame surfaces and new pavement markings as indicated on the drawing and as specified.

15.2 SCOPE OF WORK – The work includes preparing for painting and painting all exposed exterior surfaces of the following:

- A. All exterior surfaces of the new gate frames and fence components excluding the fabric, barbs, bolts, washers and nuts.
- B. All “YB” circular logo pavement markings on new pavement areas. Information can be found in Article XVI – PAVEMENT MARKINGS.

15.3 COLOR SELECTION – The color of the finish paint for the new metal gate frame exterior surfaces to be prepared and painted shall match the existing color of adjacent or similar fencing on site.

15.4 MATERIALS – All paints shall be delivered to the site in the manufacturer's sealed containers. Each container shall be labeled by the manufacturer with the label showing name, brand, type of paint, color of paint, and the manufacturer's instructions for reducing consistency. The painting materials shall be the following or approved equal.

- A. Pre-Treatment - The pre-treatment shall be a concentrated water-based surface cleaner low in odor, non-flammable and biodegradable, "DevPrep 88" as manufactured by PPG Industries or approved equal.
- B. Prime Coat - The prime coat shall be a high performance, chemically cured, epoxy rust inhibitive primer, "Devran 205 Universal Epoxy Primer" as manufactured by PPG Industries or approved equal
- C. Finish Coat -The finish coat shall be a high performance, two component chemically cured aliphatic urethane paint, gloss finish, capable of being applied at a dry film thickness of 5 mils per coat, "Devthane 379UVA" as manufactured by PPG Industries or approved equal.

15.5 MATERIAL SUBMITTALS – The Contractor shall submit for approval one (1) copy in PDF format of catalog cuts of the painting materials it proposes to furnish for this project.

15.6 SURFACE PREPARATION

- A. All new metal surfaces to be painted shall be thoroughly cleaned of grease, dirt and other foreign material by the use of chemical cleaning. Surface

preparation shall conform to SSPC-SP-1, Chemical Cleaning. Rinse surfaces thoroughly and allow to dry. Rinse discharge should be properly contained

15.7 PAINTING SCHEDULE

- A. All new metal surfaces shall be painted with one pre-treatment coat of the material specified in paragraph 15.4.A, one prime coat of the material specified in paragraph 15.4.B and two finish coats of the material specified in paragraph 15.4.C

15.8 PAINT APPLICATION

- A. All surfaces to be painted shall be properly prepared prior to painting and shall be inspected for approval by the Harbors Division Construction Engineer before painting will be allowed. All painting materials shall be mixed and applied in accordance with the manufacturer's instructions.
- B. The time interval between each coat shall be at least 24 hours. The prime coat shall be of a lighter color than the finish coat.
- C. Prime and finish coats shall be applied by brush or roller. The total dry film thickness of the three coat systems shall be at least 10.0 mils.
- D. Finish work shall be uniform and of approved color. The finish coat shall completely cover, be smooth and free from runs, sags, drips, waves, laps or brush marks. Edges of paint adjoining other surfaces or materials shall be sharp and clean without overlapping.

15.9 CLEAN-UP

- A. All paint, oil, etc. shall be cleaned off of pavement, floors, fixtures, fences or any portion of the project site where paint has splashed or been spilled.
- B. All unused rags, waste, and empty containers shall be removed from the work area at the end of each workday and precautions shall be taken to avoid the danger of fire.
- C. The Contractor shall maintain the job site in a neat and orderly condition during the progress of the work. Upon completion the Contractor shall remove all surplus material, debris, equipment, tools, etc. belonging to it and leave the premises in a neat and orderly condition.

15.10 PAYMENT – Payment for painting shall be made as specified in Article X of these Specifications.