

SECTION 32 17 23
Pavement Marking
Construction Specification

PART 1 GENERAL

1.1 SUMMARY

- A. Provide requirements for materials, fabrications, and installation of traffic control and pavement markings.
- B. Related Sections:
 - 1. Section 32 12 33 – Paving and Surfacing
- C. San Mateo County Community College District is strongly committed to promoting sustainability throughout their campus projects. Section 01 81 13 Sustainability of the Design Standard provides guidelines and recommendations for implementing sustainability strategies. Where relevant, specific sustainability criteria is noted in this section; however, each project team should review and cross reference that front section while developing the specific project and its documentation. Each discipline shall confirm that specific performance and manufacturer information provided in the specification section is in alignment with code requirements, LEED criteria, and any other goals for sustainability.

1.2 SUBMITTALS

- A. Submit manufacturer's product data describing application of products and compliance with VOC requirements.
- B. Shop Drawings: Show complete layout and location of pavement markings prior to demolition or obliteration of the existing markings.
- C. Submit samples as follows:
 - 1. Traffic paint.
 - 2. Pavement markers and adhesives.
 - 3. ReflectORIZED markers and posts.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Comply with Division 1 requirements, specifications, and the Project Manager.
- B. Deliver and store packaged products in original containers with seals unbroken and labels intact until time of installation.
- C. Provide proper facilities for handling and storage of products to prevent damage. Where necessary, stack products off ground on level platform, fully protected from weather.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Traffic Marking and Symbol Paint: Water-Born, Fast-Dry, Traffic Paint distributed Sherwin-Williams "Pro-Park Traffic Marking Paint"; or approved equivalent.

- B. Handicapped Symbol Background Paint: Blue Color. Glidden Co. "Glid-Guard Lifemaster Finish No. 5200 /series, Color 1/M 79", or approved equivalent.
- C. Thermoplastic Stripes and Markings:
 - 1. Thermoplastic stripes and markings shall be hot applied conforming to CSS Section 84 and shall be Cataphote-Catatherm brand, Pavemark thermoplastic brand, or approved equal.
 - 2. Thermoplastic stripes and markings shall have a minimum skid friction value of BPN 35.
- D. Pavement Markers and Adhesives:
 - 1. Fire hydrant pavement markers shall be two-way retroreflective "Blue" markers and shall conform to the applicable requirements of CSS Section 85.
 - 2. Adhesive for pavement markers shall be standard set epoxy adhesive conforming to the requirements of CSS Section 95-2.05.

PART 3 EXECUTION

3.1 INSPECTION

- A. Examine receiving surfaces and verify that surfaces are clean and proper for installation.
- B. Do not start work until unsatisfactory conditions have been corrected.

3.2 APPLICATION

- A. Preparation:
 - 1. Clean and prepare surfaces to receive traffic paint in accordance with CSS Section 84-3.05 and these special provisions. Where required, remove existing striping and markings by wet blasting or equivalent method. Do not use dry sandblasting or other dust producing methods.
- B. Traffic Paint:
 - 1. Traffic paint shall be machine applied in accordance with CSS Section 84-3.04.
 - 2. Traffic paint to be used for Parking stall stripes and painted curbs.
- C. Striping Layout:
 - 1. Traffic stripe shall be single and double, solid and broken, and of the color to match existing conditions.
 - 2. Traffic striping shall be placed in patterns to match existing conditions, contractor shall document.
- D. Thermoplastic Stripes and Markings:
 - 1. Thermoplastic stripes and markings shall be applied hot in conformance with manufacturer's recommended instructions and the applicable requirements of CSS Section 84-2.06.

2. Thermoplastic to be used for roadway striping and all markings.
- E. Pavement Markers:
 1. Blue pavement markers shall be installed to delineate the location of fire hydrants along the loop road. No markers shall be installed until the surface has been approved by the Project Manager and until at least 10 days after the slurry seal on asphalt concrete has been placed. Place markers in accordance with CSS Section 85-1.06.
 - F. Apply marking paint in accordance with approved manufacturer's recommendations.
 - G. Density of paint coverage shall hide color and texture of substate.
 - H. Parking Stripes: Paint four inches wide unless otherwise noted.
 - I. Symbol Marking: Paint to match existing conditions.
- 3.3 CLEANING AND PROTECTION
- A. Comply with requirements of Section Cleaning.
 - B. Upon completion of work, remove surplus materials and rubbish and clean off spilled or splattered paint resulting from this work.
 - C. Permit no surface traffic until pavement and symbol marking has dried thoroughly.

END OF SECTION