

SECTION 02580

PAVEMENT MARKINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. The extent of pavement marking is shown on the drawings.
- B. Work includes, but is not limited to, the following:
 - 1. Parking stall divider lines.
 - 2. Wheelchair legends.
 - 3. "Stop" legends.
 - 4. Diagonal striping.
 - 5. Crosswalks

1.02 RELATED SECTIONS

- A. Section 02740- Bituminous Concrete Paving.

1.03 REFERENCES

- A. State of Maine Department of Transportation Standard Specifications Highways and Bridges, latest revision, hereafter designated as MDOT Specifications.
- B. ASTM D 93, D 562, D 711, D 821, D 1210, D 1475, D 1640, D 2243, D 2369, D 2486, D 3723, D 3960, E 70, and G 53.
- C. DOT Code of Federal Regulations, Hazardous Materials and Regulations Board, Reference 49CFR, ICC Regulations.
- D. Federal Specification TT-P-115E, Type III (Type I if V.O.C. compliance required), colors 33538 and 37038.

1.04 QUALITY ASSURANCE

- A. Perform work in accordance with MDOT Specifications 627 .

1.05 SUBMITTALS

- A. Shop Drawings: Indicate sizes, shapes, patterns, and colors of marking, and manufacturers and types of paints.

1.06 DELIVERY, STORAGE AND HOLDING

- A. Deliver all materials to the job site with all labels intact and legible at time of installation.
- B. Store materials off ground under cover. Protect from damage or deterioration.
- C. Handle materials so as to prevent damage to surface, edges, ends, and factory applied finishes of items. Damaged material shall be rejected and replaced.

1.07 GUARANTEE

- A. Contractor shall guarantee entire installation for one (1) year from turnover date

PART 2 PRODUCTS

2.01 MATERIALS

- A. Subject to compliance with requirements, provide ready-mixed one component water borne traffic line paint. Materials shall be listed on the Department of General Services Office of Procurement Qualified Products List.
- B. Paints shall contain all necessary co-solvents, dispersants, wetting agents, preservatives, and

all other additives, so that paint shall retain viscosity. Halogenated solvents shall not be permitted.

- C. Volatile Organic Compound (VOC) content shall not exceed 250 grams maximum per liter of paint as determined in accordance with ASTM D 3960 test, excluding water and exempt solvents.
- D. Yellow shall match Federal 595a Color 33538. Black shall match Federal 595a Color 37038.
- E. Traffic paint for parking stripes to be nonvolatile, oil modified alkyd of chlorinated rubber non-bleed, rapid drying material, especially manufactured for zone marking. Color to be white conforming to FS TT-P-115E, Type. See plans for location.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Installer shall examine the substrates and conditions under which materials are to be installed, and notify the Owner in writing of conditions detrimental to the completion of the work. Do not proceed with the work until traffic lines are completed and properly dry.
- B. Coordinate provisions for installation with work of other trades.
- C. All parking area marking and painting to be protected by appropriate traffic barriers, lighted if necessary, so located as to prohibit parking and traffic until permission for such is given by the Owner.

3.02 INSTALLATION

- A. Install pavement marking in accordance with approved shop drawings and applicable codes and standards.
- B. Traffic paint shall be installed in two coats. The first coat shall be installed at 1/2 the recommended coverage rate after paving is in place; the second coat shall be installed at full recommended rate 30 days later.

3.03 PAINTING

- A. Parking stall, division, and limit lines shall be 4" in width, true and straight. Color: White.
- B. Stop legends shall be as detailed on Drawings. Color: White.
- C. Wheelchair legends shall be as detailed on Drawings. Color: Blue background with yellow symbols. Parking stall striping shall be blue at handicapped stalls only.
- D. Diagonal striping at handicapped parking. Color: Yellow.
- E. Directional signage shall be as detailed on Drawings. Color: White.

3.04 COMPLETION

- A. During the progress of the work, the premises shall be kept free of debris and waste resulting from the work in this section. Upon completion, all surplus material and debris shall be removed from the site.
- B. At completion of work, touch up minor damage to prefinished surfaces to the satisfaction of the Owner. Replace materials damaged or stained during installation.

END OF SECTION