

SECTION 321723 – PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to this section.

1.2 SUMMARY

- A. Provide all labor, materials and equipment as necessary to complete all work as indicated on the Drawings and specified herein.
- B. This section includes pavement markings.
- C. Related sections include the following:
 - 1. Division 32 Section “Bituminous Pavement.”
 - 2. Division 32 Section “Concrete Pavement.”

1.3 QUALITY ASSURANCE

- A. Approved installation contractors for both pavement marking types:
 - 1. P.K. Contracting, P.O. Box 184, Clawson, MI 48017; 313-362-2130.
 - 2. Parallel Contracting, Inc., 3420 E. Grand River, Williamston, MI 48895; 517-819-3853.

PART 2 - PRODUCTS

2.1 THERMOPLASTIC PAVEMENT MARKINGS

- A. According to 2012 MDOT Section 811 specification. Color: White and yellow, as indicated on the Drawings.

2.2 PRE-FORMED THERMOPLASTIC BARRIER FREE SYMBOL

- A. Barrier Free Kit White on Blue Item #89230237HS, 40-inch x 40-inch size. Color: Blue.
- B. Manufacturer: Ennis-Flint, Inc. (allow 2 weeks for delivery), 115 Todd Court, Thomasville, NC 27360; 336-475-6600, Fax: 336-475-7900.

2.3 THERMOPLASTIC BIKE WITH HELMET SYMBOL

- A. Bicycle Rider Item #89230524(+)HS add “L” for Left or “R” for Right to indicate facing direction of marking. (Ennis-Flint, Inc.) 6'-6" x 3'-4".

2.4 THERMOPLASTIC BIKE LANE ARROW

- A. Yield Line (Shark's Teeth) Item #8231002 (Ennis-Flint, Inc.) 2-foot x 3-foot.

2.5 PRIMER FOR THERMOPLASTIC MATERIAL

- A. #623206-20 – 5 gallon.
- B. #623206-4 – 1 gallon.

2.6 GLASS BEADS

- A. According to 2012 MDOT Section 811 specification.

2.7 CONCRETE PAVEMENT MARKINGS/SPEED TABLES

- A. Liquid pavement markings using a polyurea coating material 3M Stamark, Epoplex L590; or approved equal.

2.8 TRAFFIC PAINT

- A. Regular dry pavement marking paint according to 2012 MDOT Section 811 specification.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Pavement cleaning and marking application shall be according to 2012 MDOT section 811 specification and as indicated on the Drawings.
- B. Use primer on installations as indicated in the manufacturer's specifications.
- C. Cyclist symbol with arrow to be located as indicated on the Drawings.
- D. Barrier Free Symbol Placement: Bottom edge of the symbol square shall be aligned with the end of the line striping closest to the travel aisle and in the center of the parking space.
- E. Place glass beads on thermoplastic lines.
- F. All thermoplastic pavement markings (symbols and line work) on bituminous pavement in roadways shall be recessed to the thickness of the pavement marking.
 - 1. The resulting surface interface between the markings and the bituminous shall be smooth.
 - 2. Concrete pavement shall not be recessed for pavement markings.

- G. Pavement markings in new bituminous pavement parking areas shall be thermoplastic unless otherwise noted on plans.
- H. Thermoplastic pavement markings in parking areas are not required to be recessed unless otherwise noted on the plans.

END OF SECTION 321723