# SECTION 321723 – PAVEMENT MARKINGS

1. GENERAL
   1. RELATED DOCUMENTS
      1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification sections, apply to this section.
   2. SUMMARY
      1. Provide all labor, materials and equipment as necessary to complete all work as indicated on the Drawings and specified herein.
      2. This section includes pavement markings.
      3. Related sections include the following:
         1. Division 32 Section “Bituminous Pavement.”
         2. Division 32 Section “Concrete Pavement.”
   3. QUALITY ASSURANCE
      1. 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.
2. PRODUCTS
   1. THERMOPLASTIC PAVEMENT MARKINGS
      1. According to 2012 MDOT Section 811 specification. Color: White and yellow, as indicated on the Drawings.
   2. PRE-FORMED THERMOPLASTIC BARRIER FREE SYMBOL
      1. Barrier Free Kit White on Blue Item #89230237HS, 40-inch x 40-inch size. Color: Blue.
      2. Manufacturer: Ennis-Flint, Inc. (allow 2 weeks for delivery), 115 Todd Court, Thomasville, NC 27360; 336-475-6600, Fax: 336-475-7900.
   3. THERMOPLASTIC BIKE WITH HELMET SYMBOL
      1. 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″.
   4. THERMOPLASTIC BIKE LANE ARROW
      1. Yield Line (Shark’s Teeth) Item #8231002 (Ennis-Flint, Inc.) 2-foot x 3-foot.
   5. PRIMER FOR THERMOPLASTIC MATERIAL
      1. #623206-20 – 5 gallon.
      2. #623206-4 – 1 gallon.
   6. GLASS BEADS
      1. According to 2012 MDOT Section 811 specification.
   7. CONCRETE PAVEMENT MARKINGS/SPEED TABLES
      1. Liquid pavement markings using a polyurea coating material 3M Stamark, Epoplex L590; or approved equal.
   8. TRAFFIC PAINT
      1. Regular dry pavement marking paint according to 2012 MDOT Section 811 specification.
3. EXECUTION
   1. INSTALLATION
      1. Pavement cleaning and marking application shall be according to 2012 MDOT section 811 specification and as indicated on the Drawings.
      2. Use primer on installations as indicated in the manufacturer’s specifications.
      3. Cyclist symbol with arrow to be located as indicated on the Drawings.
      4. 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.
      5. Place glass beads on thermoplastic lines.
      6. 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.
      7. Pavement markings in new bituminous pavement parking areas shall be thermoplastic unless otherwise noted on plans.
      8. Thermoplastic pavement markings in parking areas are not required to be recessed unless otherwise noted on the plans.

END OF SECTION 321723