

FREDERICK COUNTY, MD SIGNAGE & MARKING PLAN

I. GENERAL NOTES FOR SIGNAGE AND PAVEMENT MARKING SPECIFICATIONS

1. All signage and pavement markings shall comply with "Standard Specifications for Construction & Materials", dated January 2001, as published by the Maryland Department (MDOT) of Transportation State Highway Administration (SHA), and latest revisions or additions, including specifications herein, and latest revisions. The specifications shall hereafter be referred to as the specifications. The specifications are accessible on-line at:
<http://www.sha.state.md.us/businesswithsha/businesswithsha.asp?id=B157>
2. All standard details and standard plates referred to shall be those of the State of Maryland, Department of Transportation, State Highway Administration's "Book of Standards for Highway & Incidental Structures" or Frederick County Standard Details and the latest revision thereto. The State of Maryland, Department of Transportation, State Highway Administration "Book of Standards" shall be referred to as the Maryland State Highway Administration's "Book of Standards" or Maryland State Highway Administration standard. Access to the State of Maryland standard details and standard plates etc. can be found on-line at:
<http://www.sha.state.md.us/businesswithsha/businesswithsha.asp?id=B157>
3. References to the State of Maryland, State, S.R.C., State Roads Commission, State Highway Administration, or Commission in these specifications shall be interpreted to mean Frederick County, Maryland.
4. References to officials of Maryland State Government or the Maryland State Highway Administration Book of Standards shall be interpreted to mean the appropriate official in Frederick County Government, unless specified otherwise.

II. CONSTRUCTION & REQUIREMENTS

A. PAVEMENT MARKINGS: 951

1. Markings shall be thermo-plastic except long line markings.
2. Long line markings shall meet State Standards, including reflectorized beads meeting SHA specs
3. School Zone Crosswalks shall have perpendicular hatching (not diagonal) located away from wheel paths. Other crosswalks may have 2 parallel lines
4. Approved traffic paints for use in Maryland from the 1994 NASTO site. These results are approved for both PCC and Bituminous surfaces.
5. SHA Approved Paints are cited with 1994 NASTO Ref. #, Manufacturer Code, Manufacturer Name & color r

B. SIGN POST MATERIAL - 2 INCH SQUARE TUBE STEEL SIGN POST

This work shall consist of furnishing and erecting steel sign posts as specified in the Contract Documents, Manufacturer's Recommendations or as directed by the Engineer. All posts require utility clearances.

1. Galvanized Steel Posts-2 Inch Square, 14 Ga., with bolt holes 1" on center on all 4 sides of post
2. Galvanized Steel Sleeves-2 1/4 " x 36", 214 Ga., 30
3. Bolts, Nuts and Washers-, fasteners, rivets, etc. all to be tamper resistant -909.6
4. Galvanizing for Posts and Sleeves -A123
5. Galvanizing for Hardware-A153 &Galvanizing for Bare Metal-A 780

C. TRAFFIC SIGN REQUIREMENTS

1. 1.3M DG Cubed grade reflectorized sheeting (Diamond grade cubed) & 3M 1177C Electro Cut Film (or equivalent)
2. All signs (except STOP signs) must have rounded corners including SNS.
3. STOP signs minimum size is 30"
4. All signs to be firmly & securely fastened with extruded aluminum 3/8 inch tamper resistant pop rivets & nylon washers.
5. Where feasible, minimize sign posts by placing traffic signs on existing poles including street light poles
6. Place traffic signs for driver visibility, especially STOP signs.
7. Identification Stickers on back side of signs to be non-reflective sign grade sheeting with standard adhesive. (Detail A)

D. STREET NAME SIGNS (SNS) & ROAD NAME LETTERING & SHEETING

1. 3M DG Cubed White backing (Diamond Grade Cubed) & 3M 1177C Electro Cut Film (or equivalent)
2. All SNS signs must have rounded corners.
3. SNS – Use double blades (not extruded blades)
4. Mount SNS with 2 aluminum 3/8 inch tamper resistant pop rivets & nylon washers in center of sign, and spacers in each end.
5. Mount SNS above STOP signs on Street light poles or above STOP signs on sign posts if no street lights present.

Sign color to be latest adopted State Standard. Install SNS for both main street and intersecting street(s)

- a. 9" high double aluminum blades (double or 2 SNS blades to be used. Extruded aluminum blades not permitted)
- b. 6" road name, 3" road suffix &3" hundred block number with arrow pointing towards increasing block #s.
- c. White (reflectorized) lettering on Green (reflectorized) background for public road SNS
- d. Black lettering on White (reflectorized) background for private road SNS