

# Berkeley County Street Sign Specifications

## Signs for Private and Subdivision Streets Intersecting with a State-Maintained Road

The nameplate shall be a minimum height of nine (9) inches. The blank length to be used for a given street is the shortest length on which the name will fit when six (6) inch letters are used, except that the length shall be a minimum of thirty (30) inches.

The maximum length shall be forty-eight (48) inches, unless approved by Berkeley County Central Dispatch.



\* Letters 6 inches high Series C; Prefix and Suffix 3 inches high, centered vertically

Letter size and type shall conform to the Federal Highway Administration's Standard Alphabets for Traffic Control Devices, Series C 2000, contained in its publication, "Standard Highway Signs." The standard letter height for street names shall be six (6) inches. The standard letter height for suffix and prefix (if any) shall be three (3) inches. The prefix and suffix shall be placed so they are centered vertically. The letter series of the street named may be reduced from Series C to the narrower Series B when the use of Series C would require a size blank larger than forty-eight (48) inches. The spacing between words shall be the width of the letter "H" in the series used to make the sign.

## Signs for Private and Subdivision Streets NOT Intersecting with a State-Maintained Road (Roads within Subdivisions)

The nameplate shall be a minimum height of six (6) inches. The blank length to be used for a given street is the shortest length on which the name will fit when four (4) inch letters are used, except that the length shall be a minimum of twenty-four (24) inches.

The maximum length shall be forty-two (42) inches, unless approved by Berkeley County Central Dispatch.

Letter size and type shall conform to the Federal Highway Administration's Standard Alphabets for Traffic Control Devices, Series C 2000, contained in its publication, "Standard Highway Signs." The standard letter height for street names shall be four (4) inches. The standard letter height for suffix and prefix (if any) shall be two (2) inches. The prefix and suffix placement shall be centered vertically. The letter series of the street named may be reduced from Series C to the



narrower Series B when the use of Series C would require a size blank larger than forty-two (42) inches. The spacing between words shall be the width of the letter "H" in the series used to make the sign.

### General Sign Specifications

Signs shall consist of two (2) blank name plates of eight one-hundredths (0.080) inch thickness and consist of aluminum alloy, ALLOY 5052 H38 treated with "ALODINE 1200" chemical conversion coating process. All four corners of the street sign shall have a 3/4" inch radius.

The sign background shall be High Intensity **GREEN** sheet reflective material, and letters shall be silver reflective sheeting, 3M brand or equivalent. The reflective material shall be applied to one (1) side of each treated blank nameplate with mechanical equipment in a manner specified by the sheeting manufacturer. The sign background shall be comprised of no more than one (1) piece of reflective sheeting. Reverse screen process color method of fabrication is acceptable, provided that only process colors are used that are approved by the sheeting manufacturer. Screen process colors shall be clear coated.

The street nameplates shall be mounted to the sign post by means of two (2) drive rivets with 0.375 (three-eighths) inch diameter holes required and also be adjoined at the corners by four (4) two-piece pop rivets with 0.25 (one-quarter) inch holes required. (See Hardware Specifications, below.)

The supplier, at its expense, must replace signs that are damaged as a result of poor packaging, rejected because of poor quality, or misspelled.

All street signs shall have a ten (10) year warranty.

### Street Sign Post Specifications

Street sign posts shall be of an FHWA-approved breakaway system design, consisting of an upper sign post (QUIK PUNCH post, as manufactured by Allied Tube and Conduit, or equal) and a lower anchor (as manufactured by Allied Tube and Conduit, or equal). Wall thickness for the street sign posts shall be 0.083 (eighty-three thousandths) inches. Weight of the street sign posts shall be 2.164 pounds per foot.

Upper sign posts shall be (14) fourteen gage, 2 by 2 inch square outside dimensions (O.D.) and ten (10) feet in length, and anchor posts shall be (12) twelve gage, 2.25 by 2.25 inch square

outside dimensions (O.D.) and three (3) feet in length. All four sides of the street sign posts shall have die punched knockouts on one-inch centers.

Street sign posts shall conform to A.S.T.M. Designation A-570-79 standard specifications for hot-rolled carbon sheet steel. Street sign posts shall be finished with a triple coat in-line, hot-dipped galvanized zinc coating per AASHTO-120, followed by a chromate conversion coating and a clear organic exterior coating, and have a minimum yield strength of 60,000 p.s.i. The inside surface shall be given a double application of full zinc-based organic coating per A.S.T.M. B-117 standards.

Posts that are damaged as a result of poor packaging or rejected because of poor quality must be replaced by the supplier at its expense.

All street sign posts shall have a ten (10) year warranty.

### **Hardware Specifications**

Each street sign shall require:

Four (4) 3/8 inch by 9/16 inch drive rivets (Xcessories Squared Part Number DR3878xx or equal)

Four (4) 3/16 inch diameter two-piece pop rivets with a grip range of 1-7/8 inches to 2-1/8 inches (Cherry Mates Part Number BSLM-8SP-34 or equal)

Four (4) 5/8 inch O.D. x 2 inch long CPVC spacers.

Each street sign post requires:

One (1) corner bolt (Xcessories Squared Part Number CB516S or equal) with one (1) washer nut (Xcessories Squared Part Number FWN516 or equal)

One (1) 3/8 inch by 9/16 inch drive rivet (Xcessories Squared Part Number DR3878xx or equal)

One (1) 2 x 2 inch pyramid rain cap (Xcessories Squared Part Number ARC200 or equal)

Hardware that is damaged as a result of poor packaging or rejected because of poor quality must be replaced by the supplier at its expense.

All hardware shall have a ten (10) year warranty.

### **Installation**

All signs and posts shall be properly installed by placing them as defined by the Director of the Berkeley County Planning Commission.

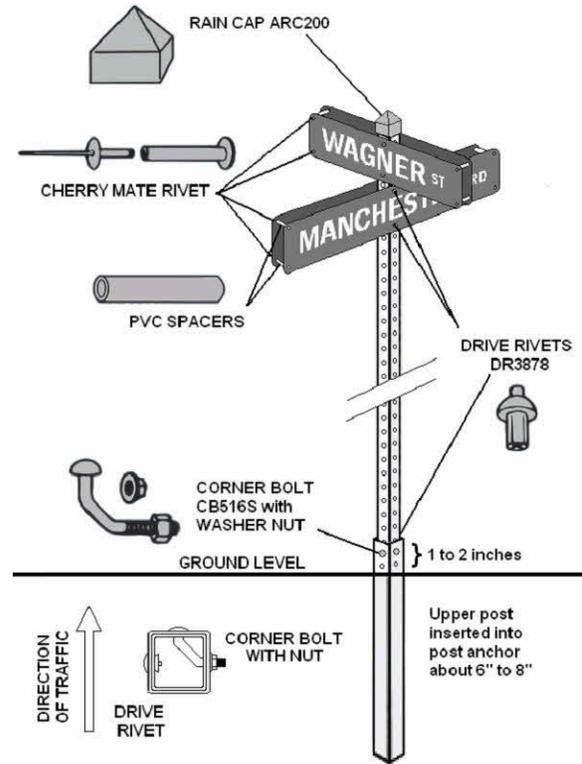
Installation involves the driving of a thirty-six (36) inch long 2.25 x 2.25 inch anchor post into the soil, leaving one (1) to two (2) inches exposed. Special tools must be used to avoid damaging the top of the anchor post.

The typical sign post will designate two streets. The top sign shall be placed as close as possible to the top of the pole. If there is a second sign, it shall be placed immediately below and perpendicular to the first sign. This should result in the bottom sign being no closer than eight (8) feet from the ground.

Signs are to be attached to the ten (10) foot long 2.0 x 2.0 inch upper sign post. Signs are attached to the posts through “punch-out” holes on the post, with the holes punched as specified by the manufacturer. For each street name, two signs shall be direct mounted back-to-back on opposite sides of the post, with the street name showing, using two (2) vandal-proof drive rivets. The two signs shall be joined at the corners using four (4) two-piece 3/16” compression rivets and four (4) plastic PVC spacers, one in each corner.

The post shall be topped with a square pyramidal rain cap.

The upper post shall be inserted into the anchor post about six (6) to eight (8) inches and fastened with a vandal-proof drive rivet and a corner bolt to remove any play in the upper post.



## Suppliers (For Information Only)

The following companies submitted bids for the county-wide project. All three companies met specifications. This information is being provided as a courtesy and for your convenience. Replacement signs and hardware can be purchased from ANY vendor offering products that meet the specifications.

Shannon Baum Signs, Inc.  
105 Competitive Goals Dr  
Eldersburg MD 21784  
(410) 781-4000  
(800) 368-2295  
(410) 781-4673 (Fax)  
[www.shannonbaum.com](http://www.shannonbaum.com)

Korman Signs Inc.  
3029 Lincoln Ave  
Richmond VA 23228  
(804) 262-6050  
(804) 261-1040 (Fax)  
[www.kormansigns.com](http://www.kormansigns.com)

CBP Enterprises  
Cecil B. Perkins  
711 Cushwa Rd  
Martinsburg WV 25401  
(304) 267-2430  
**Note:** This is a local firm that works with Shannon Baum Signs. It is the company that Berkeley County uses.