

**Request for Proposal 19-05
Street Signs, Post, and Mounting Hardware
Hampton County, South Carolina**

Hampton County Public Works is soliciting sealed bids from qualified individuals or companies for the manufacture of road name signs, mounting poles, and mounting hardware.

Specifications for the bid are available from Hampton County Public Works Department, Blake Hodge, 201 Jackson Avenue West, Hampton, South Carolina 29924. Monday through Friday between the hours of 8:00 am to 5:00 pm or by calling 803-914-2134 or by emailing lbhodge@hamptoncountysc.org or on www.hamptoncountysc.org

Sealed bids, clearly marked on the outside "Street Signs for Hampton County" will be received by Hampton County Public Works at the aforementioned address. Bids shall be for complete intersection signage only. (Signs or Signs, mounting hardware, mounting poles, and motorized post driver. This project shall be broken into 4 equal parts, this is due funding. Bids may be broken into 4 deliveries, full delivery with four payments or any variation of the two. The total time will be 12 months beginning April of 2020.

Hampton County reserves the right to accept or reject, in whole or in part, any or all bids when in the best interest of Hampton County.

1.0 STREET SIGN SPECIFICATIONS

1.1 Primary Routes, Secondary Roads and Subdivisions Streets

The name plate 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 the length shall be a minimum of thirty (30) inches.

The maximum length shall be forty-eight (48) inches unless approved by Hampton County. Letter size and type shall conform to the South Carolina Department of Transportation "Standard Alphabets for Highway Signs," Series C. The standard letter height shall be six (6) inches for street names. The standard letter for height for the suffix and prefix (if any) shall be three (3) inches. The suffix placement shall be top-edge justified to permit future installation of route number label. The letter series for the street name may be reduced from (C) to (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 signs.

1.2 General

Signs shall consist of one (1) blank name plate of eight one-hundredths (0.080) inch thickness and consist of aluminum alloy, A.S.T.M. 2098-6063-T⁴, treated with "ALODINE 1200" chemical conversion coating process. All four (4) corners of the street sign shall have 3/4 inch radius.

The sign background shall be High Intensity green sheet reflective material, and letters shall be white reflecting sheeting, 3M brand, conformation to the specifications for Encapsulated

Reflective Sheeting, as specified in South Carolina Department of Transportation Specifications for Primary and Secondary Street Name Signs. The reflective material shall be applied to two (2) sides of each treated blank name plate 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 name plates shall be mounted to the sign post by means of extruded hardware shown in exhibit A.

Signs that are damaged as the result of poor packaging, rejected because of poor quality, or misspelled, must be replaced by the supplier at its expense.
All street signs shall have a ten (10) year warranty.

2.0 STREET SIGN POSTS AND HARDWARE SPECIFICATIONS

2.1 Street Sign Posts

Street sign posts shall be of FHWA approved break-away system design consisting of an upper sign post (QWICK 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 one-thousandth) inches. Weight of the street sign posts shall be 2.164 pounds per foot.

Upper sign posts shall be (14) fourteen gauge 2x2 inch square O.D. and ten (10) feet in length and "anchor posts" shall be twelve (12) gauge 2.25 x 2.25 inch square O.D. and thirty-six (36) inches in length. All four (4) sides of the street sign posts shall have dies punched knockouts on one (1) 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-dip 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 double application of a full zinc based organic coating per A.S.T.M. B-117 standards.

Posts that are damaged as the 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.

Not: Bidder may submit u-channel design posts.

2.2 Hardware

Each street sign shall be provided with adequate hardware for mounting to specified posts. Mounting hardware type shall be of the extruded metal or aluminum style. See attachment "A." Brackets shall be included as to allow mounting of single or double signs. See Diagram "1."