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Maintenance Bureau Specification 2000-01

For

48" Roll Up Signs

(7 October 2004)

SIGN: 48" x 48" diamond shape flexible roll-up sign shall be highly reflective fluorescent Orange with standard Black legends screen printed with permanent compatible ink to conform to the Federal / State Manual and satisfying ASTM Specifications. Sign to have (2) fiberglass battens (user-conscious i.e. polished with no exposed fibers) riveted together at middle with horizontal batten rotating to left and right sign corners. Sign and battens shall be fastened together as a 1-piece unit.

BATTENS: Vertical batten approximately 66" long, 1-1/4" wide x 3/8" thick, thru-riveted to sign at four (4) equidistant locations with clear lexan washer used on sign face to preserve legend integrity. Rotated horizontal batten (approximately 66" long, 1-1/4" wide x 3/16" thick) to fit into two molded lexan corner pockets. In no case shall the thickness to width ratio be less than 0.3 (Vertical batten) or 0.15 (horizontal batten). Horizontal batten shall be securely fixed in open position to withstand wind gusts and traffic in excess of 65 MPH without failure. Corner fixture and battens shall be guaranteed for a minimum of 1 year.

LEXAN CORNER POCKETS: Corner pockets shall be constructed in such a way to allow easy assembly / disassembly with minimal applied bending stress, if any, to the batten. Pocket shall provide an easy assembly of complete sign. An open and close mechanism with a secure locking feature is allowed; locking mechanism shall not be subject to accidental opening during handling and use. The pocket must provide certain retention of batten(s) during handling and use. Each pocket shall be riveted in a minimum of three (3) places to the sign with a clear lexan template on the sign face side. Pocket design must protect the pocket and adjoining support material from breakage when dropped or forced upon a hard surface during assembly. Failure of any single rivet or molded lexan surrounding any single rivet should not compromise functionality of the sign system. The use of lexan washers is required on all sign face rivets to reduce tearing of the pocket from the sign material.

MISCELLANEOUS: A minimum 10 oz. Protective, Orange vinyl coated fabric carry case shall be included with each sign. Case shall be printed with sign legend and have a quick secure closure and carry handle located at carry balance point. All products submitted for bid shall be pre-qualified and included in the Alabama Department of Transportation's "Materials, Sources, & Devices with Special Acceptance Requirements" (APL), List IV-3, "Work Zone Traffic Control Devices", sub-heading "*Miscellaneous*". Successful bidder shall follow initial delivery with Representatives to each District to provide field product instruction if requested at no additional cost.