Wayfinding / Sign Types

Boulevard Wayfinding
5' - 0" x 9' - 0"

Boulevard Size Downtown Wayfinding
5' - 0" x 9' - 0"

Downtown Wayfinding
3' - 6" x 5' - 8"

Light Pole Mounted Pedestrian Wayfinding
2' - 6" x 4' - 0"

Pedestrian Wayfinding
2' - 6" x 4' - 0"

25 Signs Required.
2 Signs Required.
6 Signs Required.
9 Signs Required.
1 Sign Required.

Total height of decorative pole is 15' - 0"

3M\textsuperscript{TM} Diamond Grade\textsuperscript{TM}
300 Reflective Sheeting Series 1000 is digitally printed per manufacturer specifications.

Scotchlite reflective vinyl.
25 Signs Required.

3/16" thick aluminum sign panel is CNC routed to shape, painted before applying reflective sheeting per manufacturer's specifications. Color trim is two layers of 1/4" aluminum painted & applied Scotchlite reflective vinyl.

6" square aluminum tubing is welded to the sign panel, ground smooth before painting. Top end is closed with welded panel creating consistent height and easy installation. After setting pole onto breakaway base, sign assembly slides over pole, aligned to optimum viewing angle, then set with 1.4" x 3" self-tapping machine screws.

5" Smooth round aluminum pole (Columbia Series)
15" in height. Has 1/4" wall thickness and is 1-continuous casting.

7' 0" Clearance

Layer 1: 3/16" thick aluminum
Layer 2: 1/4" thick aluminum
Layer 3: 1-1/2" thick aluminum channel with applied reflective Scotchlite graphic.
"Green" trim is two layers of 1/4" aluminum with applied reflective vinyl.

3/16" thick aluminum sign panel is CNC routed to shape painted before applying reflect sheeting per manufacturers specifications. "Color" trim is two layers of 1/4" aluminum painted & applied Scotchlite reflective vinyl.

Note: 6" square aluminum tubing is welded to the sign panel, ground smooth before painting. Top end is closed with welded panel creating consistent height and easy installation. After setting pole onto breakaway base, sign assembly slides over pole, aligned to optimum viewing angle, then set with 1 1/4" x 3" self tapping machine screws.

5" Smooth round aluminum pole. (Wadsworth Series) 1/4" in height, has 1/4" wall thickness and is continuous casting.

3 Signs Required.

Note: Final messaging may change slightly. BDI will provide full scale (or) patterns for cutting and printing.
Downtown Wayfinding / Sign Types

- **Downtown Wayfinding**
  - 3'-6" x 5'-8"

- **Light Pole Mounted Pedestrian Wayfinding**
  - 2'-6" x 4'-0"
  - 9 Signs Required

- **Pedestrian Wayfinding**
  - 1 Sign Required

- **Double Sided**
  - 3" Smooth square aluminum pole.
  - 3/16" wall thickness.
  - NCDOT considers this as a breakaway post.

Note: 5" square aluminum tubing is welded to the sign panel, ground smooth before painting. Top end is closed with welded panel creating consistent height and easy installation. After setting pole onto breakaway base, sign assembly slides over pole, aligned to optimum viewing angle, then set with 1/4" x 3" self tapping machine screws.

Note: CNC Cut patterns will be provided by BDI.
Elizabeth City State University
Roebuck Stadium
Downtown Waterfront Parks Dining & Shops Breweries

Scotchlite reflective vinyl.

3M™ Diamond Grade™
DG3 Reflective Sheeting
Series 4000 is digitally printed per manufacturers specifications.

Note: A 1/2 Scale fully fabricated sign panel will be required within 2 weeks of bid acceptance for Designer/City approval.

Note: Two prints are needed, create the seam at the copy dividing line. Overlap seam per manufacturers specifications.

Note: Pantone colors are used as a guide for color matching digital prints.

Note: Back of sign is painted Matthews® black w/ satin finish.

Note: Surfaces appearing as brushed aluminum are actually non-printed 3M Scotchlite® reflective vinyl. Blue strip is printed.
Safety and professional sign industry practices must be met regarding site location staking. Underground utility and cable locations performed at each site.

The performance of subsurface testing and utility location is wholly and solely the responsibility of the selected sign contractor. Should undesirable conditions be found, an alternate location for the sign should be selected as the first option. If no options for repositioning are available in the case of utilities, hydro boring can be an option. A change order must be approved before additional work begins.

All footings are to be poured as shown in engineers final wind load drawings following listed PSI grade concrete poured within a form 1" above grade with travel formed top surface embedding the gravel and beveled edges unless otherwise specified.

Breakaway bolts will be pre-mounted to pole base template to assure proper alignment. Footings should cure at least 5 days before poles are mounted.

Sign installer must have advance knowledge of site conditions based on experience installing in the area. Minimum modifications to locations due to utilities are considered standard industry practice and are a part of the installation process. Site conditions needing additional adjustments above bid costs must be approved by the ECB representative submitting a change order.
Cast Aluminum Sign Poles

Note: 3" OD x 3/8" Wall
6061-T6 Aluminum
Round Column

1/2" x 1/2" Thick base plate supported with 2" x 2" gussets

Note: 4" OD x 3/8" Wall
6061-T6 Aluminum
Round Column

10" OD x 1/2" Thick base plate supported with 2" x 2" gussets

Note: A sign pole that looks like the styles selected can be substituted with approval of BDI if an alternate is selected stamped engineering wind load calculations must be provided by the sign fabricator.

Key to wind stability is the bolt circle distance pattern.

Dent Breakaway Bolt

1/2" OD 2.5" Long Dent Breakaway Bolt (304SS) x 2" bolt
and approved 1/4" Diameter x .1250 Washer
and U.75" Steel Nut

Bizzell Design, Inc. PO Box 785 Belmont, NC 28012  704-651-3528 / Project Designer: H.L. Bizzell, BESA, SEDG buzz.bizzell@gmail.com / Structural Engineer: Clinton Robertson, PE, LEED AP, BD+C

Elizabeth City, North Carolina 7
NCDOT approval and encroachment agreements are already in process and will be in place before the project is awarded. Each sign has fully developed messaging and directional arrows. BDI will provide full scale (ai) vector files for CNC cutting and for printing of each sign shape and size per specifications. These files will be used as templates for your final layout and shop drawing process.

All sign locations are identified by letter with directional messaging and layout in place. Map locations are noted for each sign location with approximate distances from stop lines or intersections. The street elevations are also included.
Safety and professional sign industry practices must be met regarding worksite management and traffic control. At a minimum, if trucks and equipment can be positioned off the road, warning cones must be placed. If it is necessary to block a travel lane use the following NCDOT instructions for lane closure management. This requires using live flag team if on a two way road.
The Park signs coordinate with the wayfinding sign designs.

Mariner's Wharf

Waterfront Park

Note: The Mariner's Wharf sign is single-sided. The Waterfront Park is double-sided. The 4" Round Aluminum pole is 10' tall and fabricated with 4" Round Aluminum, 3/8" tempered glass composite. The Waterfront Park sign is fabricated with 3/8" tempered glass, fabricated into a 4" Round Aluminum pole.