

REQUEST FOR PROPOSALS SIGNS

Sussex County is requesting proposals for the installation of signage at the Woodland Park in Seaford, Delaware. Woodland Park is located at the site of the former Woodland Golf Park at 27866 Woodland Road, Seaford, DE (Tax Map ID 5-31.00-15.00 Parcel 21). The work includes installation of park directional signs, park entry signs and handicap parking signs.

A site plan and drawings are included as part of this solicitation.

1.1 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For post and panel/pylon signage.
 - 1. Include fabrication and installation details and attachments to other work.
 - 2. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
 - 3. Show message list, typestyles, graphic elements, and layout for each sign.
- C. Samples for Initial Selection: For each type of sign assembly, exposed component, and exposed finish.
 - 1. Include representative Samples of available typestyles and graphic symbols.
- D. Samples for Verification: For each type of sign assembly, showing all components and with the required finish(es), in manufacturer's standard size unless otherwise indicated and as follows:
 - 1. Post and Panel Signs: Full-size Sample Panel.
 - 2. Variable Component Materials: Full-size of each base material, character or graphic element, in each exposed color and finish not included in other Samples.
 - 3. Exposed Accessories: Full-size Sample of each accessory type.
- E. Sign Schedule: Use same designations specified or indicated on Drawings.
- F. Delegated-Design Submittal.
 - 1. Include structural analysis calculations for signs indicated to comply with design loads; signed and sealed by the qualified professional engineer responsible for their preparation.

1.2 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For signs to include in maintenance manuals.

1.3 QUALITY ASSURANCE

- A. Sign Manufacturer Qualifications: Sign manufacturer shall have a minimum five (5) years' experience building wood signs.

1.4 FIELD CONDITIONS

- A. Verify locations of posts embedded in permanent construction by other installers by field measurements before fabrication, and indicate measurements on Shop Drawings.

1.5 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Deterioration of finishes beyond normal weathering.
 - b. Deterioration of embedded graphic image.
 - c. Separation or delamination of sheet materials and components.
 - 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Thermal Movements: For exterior signs, allow for thermal movements from ambient and surface temperature changes.
 - 1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.
- B. Accessibility Standard: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities for signs.

2.2 POST AND PANEL/PYLON SIGNS

- A. Post and Panel Sign: Sign of single-panel configuration; with smooth, uniform surfaces and support assembly; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
 - 1. Basis-of-Design Product: Indicated on Drawings.
 - 2. Solid-Sheet Sign Panels of materials indicated on drawings with finish specified in "Sign-Panel-Face Finish and Applied Graphics" Subparagraph below and as follows:
 - a. Directional Sign Thickness: As indicated
 - b. Entry Sign Thickness: Manufacturer's standard for size of sign.
 - c. Etched and Filled Graphics: Sign face etched or routed to receive enamel-paint infill.
 - 3. Composite, Phenolic-Core Sign Panels: Solid phenolic panel core with integral subsurface graphic image covered with integral, polymeric face layer.
 - a. Composite-Sheet Thickness: Manufacturer's standard for size of sign.
 - 4. Sign-Frame Mounting: As indicated.

2.3 MATERIALS

- A. Paints and Coatings for Sheet Materials: Inks, dyes, and paints recommended by manufacturer for optimum adherence to surface and are UV and water resistant for colors and exposure indicated.

2.4 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signage, noncorrosive and compatible with each material joined, and complying with the following:
 - 1. Use concealed fasteners and anchors unless indicated to be exposed.
 - 2. For exterior exposure, furnish stainless steel or hot-dip galvanized devices unless otherwise indicated.
 - 3. Exposed Metal-Fastener Components, General:
 - a. Fabricated from same basic metal and finish of fastened metal unless otherwise indicated.
 - b. Fastener Heads: For nonstructural connections, use oval countersunk screws and bolts with tamper-resistant, Allen-head slots unless otherwise indicated.
 - 4. Inserts: Furnish inserts to be set by other trades into concrete or masonry work.
- B. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.
- C. Anchoring Materials:
 - 1. Non-shrink, Non-metallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107/C 1107M.
 - a. Provide grout specifically recommended by manufacturer for interior and exterior applications.
 - 2. Anchoring Cement: Factory-packaged, non-shrink, non-staining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound.
 - a. Water-Resistant Product: At exterior locations, provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and is recommended by manufacturer for exterior use.

2.5 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
 - 1. Preassemble signs in the shop to greatest extent possible. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in locations concealed from view after final assembly.
 - 2. Mill joints to tight, hairline fit. Form joints exposed to weather to resist water penetration and retention.
 - 3. Conceal fasteners and anchors unless indicated to be exposed; locate exposed fasteners where they will be inconspicuous.
 - 4. Internally brace signs for stability and for securing fasteners.
- B. Sign Message Panels: Construct sign-panel surfaces to be smooth and to remain flat under installed conditions within a tolerance of plus or minus **1/16 inch** measured diagonally from corner to corner.

1. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.
 2. Increase panel thickness or reinforce with concealed stiffeners or backing materials as needed to produce surfaces without distortion, buckles, warp, or other surface deformations.
- C. Post Fabrication: Fabricate posts designed to withstand wind pressure indicated for Project location and of lengths required for installation method indicated for each sign.
1. Posts:
 - a. Pressure treated wood posts.
 - 1) Shape: Rectangular.
 - 2) Size: **4 by 6 inches**
 - 3) Installation Method: Direct burial.
 - 4) Finish and Color: Painted.
 - a) Dark Brown
 - b. Composite posts, Trex™ or approved equal.
 - 1) Shape: Rectangular.
 - 2) Size: **4 by 6 inches**
 2. Direct Burial: Fabricate posts 36 inches longer than height of sign to permit direct burial or embedment in concrete foundations or concrete-filled postholes.

2.6 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ADA Handicap Parking Signs

- A. ADA Handicap parking signs shall be in accordance with the Delaware ADA specifications and the Manual on Uniform Traffic Control Devices, Latest Edition.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of signage work.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs.
- C. Verify that anchor inserts are correctly sized and located to accommodate signs.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install signs using installation methods indicated and according to manufacturer's written instructions.
1. Install signs level, plumb, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
 2. Install signs so they do not protrude or obstruct according to accessibility standard.
 3. Before installation, verify that sign components are clean and free of materials or debris that would impair installation.
 4. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

3.3 INSTALLING POSTS

- A. Vertical Tolerance: Set posts plumb within a tolerance of **1/16 inch in 3 feet**
- B. Direct-Burial Method:
1. Excavation: Excavate posthole to dimensions indicated. Reconstruct subgrade that is not firm, undisturbed, or compacted soil, or that is damaged by freezing temperatures, frost, rain, accumulated water, or construction activities by excavating an additional 12 inches, backfilling with satisfactory soil or well-graded aggregate, and compacting to original subgrade elevation.
 2. Setting in Earth: Set post in position, support to prevent movement, and backfill with satisfactory soil or well-graded aggregate as recommended in writing by manufacturer. Place and compact backfill in 6-inch lifts, compacting each lift.
 3. Setting in Cast-in-Place Concrete: Set post in position, support to prevent movement, and place concrete in posthole as indicated.

3.4 ADJUSTING AND CLEANING

- A. Remove and replace damaged or deformed signs and signs that do not comply with specified requirements. Replace signs with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

INSTRUCTIONS TO BIDDERS:

- Bids shall be submitted to Ms. Juel Gibbons by or before **2PM on October 30, 2015**, Third Floor, Sussex County Administration Building, 2 The Circle, P.O. Box 589, Georgetown, DE 19947, ATTN: Juel Gibbons. Bids may also be submitted by email (jgibbons@sussexcountyde.gov), or via fax to 302-855-7799.
- All bids shall remain valid for 30 calendar days from the time set for bid opening. A bidder may withdraw their bid after it has been submitted, only if the request to do so has been submitted in writing and received prior to the time set for bid opening.

- All bidders are hereby notified that Sussex County Engineering Department reserves the right to reject any or all bids, and to waive informalities at its discretion.

SCHEDULE:

A purchase order will be provided to the vendor after the proposal is awarded. The work must be completed within **thirty (30) days** from Return Receipt of Approved Submittals.

BID FORM:

LINE #	QTY	Units	DESCRIPTION	UNIT PRICE	LINE TOTAL
1		Lump Sum	PARK DIRECTIONAL SIGNS		
2		Lump Sum	PARK ENTRY SIGN		
3	3	Each	HANDICAP PARKING SIGN		
			TOTAL BID:		