

**ITEM 03615.1007 M - LOW PROFILE WAYSIDE EXHIBIT PANEL**  
**ITEM 03615.1008 M - KIOSK, SINGLE EXHIBIT PANEL**

**DESCRIPTION:**

This work shall consist of furnishing and installing a low profile wayside exhibit panel with Aluminum signs/Porcelain enamel signs /Fabricated "Folia" sign and stainless steel stanchions in accordance with details indicated in the contract documents and as directed by the Engineer. For each type of sign required, obtain signs from a single manufacturer.

Shop drawings and paint chips to match PMS color specifications to be approved by the Regional Landscape Architect before commencing of sign. All surfaces including those that are painted, porcelain enameled, and silk-screened to be satin finish. *Artwork and type setting to be provided by the New York State Museum (NYSM) unless otherwise noted. When NYSM provides artwork, it will be on Macintosh disc in Adobe Illustrator 6.9 version unless otherwise noted.*

DISAPPROVED

BY EL 12-001

**MATERIALS:**

Materials for the low profile wayside exhibit shall be new stock, free from defects impairing strength, durability, and appearance.

Materials shall conform to the requirements of the following sections of the Standard Specifications or as otherwise provided below:

Concrete Footers: Class A concrete as specified under Section 555, Structural Concrete  
Concrete Base: As specified under Section 608, as it relates to Item 608.0101 M, Concrete Sidewalks and Driveways.

**Adhesives-** All adhesives shall be used in accordance with recommendations made by the manufacturer of the material specified to be laminated or adhered. No adhesives that fade, discolor or delaminate as a result of proximity to ultraviolet light source or heat shall be used. No adhesives shall change the color or deteriorate the materials to which they are applied. The adhesives shall be of a non-staining, non-yellowing and waterproof quality, and all visible joints shall be free from air bubbles and other defects. All adhesives shall be approved prior to use.

**Stainless Steel Stanchions**

1. Stainless Steel Plate, stainless steel rectangular tubing, mill finish, thickness as indicated.
2. Back Panel made of High Density Overlaid Plywood.
3. Powder coatings may be considered for Unistrut poles. Powder coat must match pms 124.  
Acceptable manufacturer: Tiger Drylac U.S.A., Inc. 1100 Commons Blvd.  
Reading, PA 19605 (610) 926-8148.

**Sign Face**

**GRAPHICS**

1. Typefaces: conform to type specifications on Sheet XX. Alternate type will not be accepted.
2. Colors: Customs colors to match specified. Colors must be approved by the Regional Landscape Architect prior to fabrication.

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**ALUMINUM SIGNS**

1. Natural finish aluminum: manufacturer's recommended aluminum alloy, acrylic enamel painted finish, custom colors as indicated.
2. Painted aluminum manufacturer's recommended aluminum alloy, acrylic enamel painted finish, custom colors as indicated.

**FABRICATED "FOLIA" SIGN**

1. Exterior grade solid phenolic. UV and Graffiti proof. Weather resistant panel is self-supporting and does not require bonding to a supporting substrate.

**PORCELAIN ENAMEL SIGNS**

1. Steel for baked enamel; ASTM AA424, type 1, tension leveled, specifically manufactured for porcelain enameling, 18ga. minimum, exterior grade. Pre-clean and pre-treat to accept ground coat. Class: Acid resistant class A in accordance with Porcelain Enamel Institute "Test for Weather Resistance of Architectural Porcelain Enamel."

**Inspection and Certification-** Inspect all source materials immediately upon arrival and notify the Engineer and Regional Landscape Architect immediately if any source material is inadequate or unacceptable for reproduction. Provide manufacturer's warranty covering manufacturing defects.

**CONSTRUCTION DETAILS:**

**Design Criteria -** The kiosk and wayside exhibit panel shall be made in accordance with the contract documents, as directed by the Engineer and approved by the Regional Landscape Architect. Details shown of the drawings shall be followed for exterior appearances. The Contractor may change interior constructions shown in these details to conform to shop practices (to be approved by Engineer).

The contractor shall submit the following materials to the engineer for approval prior to start of fabrication:

1. Product data: manufacturer's printed product data indicating conformance with specifications.
2. Shop drawings: indicate size of graphics and typography, location, fabrication details and installation method of each item. Indicate size and type of fasteners, and details of anchorage and connections. Provide four (4) complete sets of shop drawings to Engineer for review and approval. The Engineer shall approve submittals within 30 days of receipt.
3. Samples: provide samples of each type of material, finish and color to Engineer for review and approval by Regional Landscape Architect.

**Fabrication and Installation -** All fabrication and installation shall be in accordance with the highest standards of the trade. All signs and components shall be complete and free from visual, structural and mechanical defects. Deliver and store materials in packaging designed to prevent damage. All exterior signage shall be weather tight in accordance with building standards. All mechanically fastened plaques and signs shall incorporate provisions for attachment and removal as required using no visible screws or fasteners except where noted on the drawings. Signs attached to masonry: Mechanical fasteners must be attached between bricks.

Store materials in sheltered, secure areas, out of weather and protected from damage by other trades.

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Handle materials in accordance with manufacturer's instructions. The contractor shall arrange a meeting with the Regional Landscape Architect at the site for final location of sign elements.

**ALUMINUM SIGNS**

**Fabrication**

1. Fabricate signs from aluminum extrusions, plate, and barstock as required.
2. Joints: welded and ground smooth unless otherwise indicated.
3. Fasteners: fully concealed unless otherwise indicated.
4. Mounting: fully concealed pin mounting unless otherwise indicated.

**Acceptable Manufacturers**

1. Asteelart- 75 Brainerd Rd. Boston, MA 02134, 800-322-2828
2. Lightforms - 125 Walnut St. Rochester, MI 48301, 810-651-7559

**PORCELAIN ENAMEL SIGNS**

**Fabrication**

1. Fabricated signs in accordance with Porcelain Enamel Institute specification PEI S-100.
2. Provide sandwich panel with core of hard plastic honeycomb, face sheet of porcelain on steel and backing sheet identical to panel face to balance sandwich construction. Laminate the panels under heat and pressure with exterior waterproof, permanent adhesive.
3. Ground Coat: Pre-Clean and pre-treat steel to accept ground coat of porcelain enamel. Apply ground coat to both sides of steel sheet at thickness of between 0.10 mm and 0.51 mm. Fire at over 1500 degrees Fahrenheit.  
Cover Coat: Apply cover coat to expose face at thickness between 0.10 mm and 0.51 mm. Fire at over 1500 degree Fahrenheit.

Graphic Coat: Provide graphic coats to match images and typography indicated and simultaneously provide an additional coating to be concealed to portions of the panel for additional corrosion protection. Fire at over 1500 degree Fahrenheit.

4. Tolerances:
  - a. Flatness : 0.2% of panel width and length, up to 4.76 mm.
  - b. Size: +/- 1.91 mm.
  - c. Screening and applications: Screen signage and graphic art onto background colors at high resolution without ragged edges. (Provide opaque, acid resistant screen glasses, which are milled to a 400 mesh particle size. Provide screen mesh sizes of 250 to 305 mesh screen.
  - d. Colors: Custom colors to match as specified.

**Acceptable Manufacturers**

1. Winsor Corporation-312 Columbia St. NW Olympia, WA 98501, 800-824-7506
2. Enameltec, Inc.-60 Armstrong Ave. Georgetown, Ontario l76, 4R9, 800-663-8543

**FABRICATED "FOLIA" SIGN**

**Fabrication** - Folia Embedded Graphic Panels have digitally printed subsurface images that are fused into a single panel with phenolic resin. The graphics and resins are fused under the effect of high temperature and pressure.

1. Graphic Images

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- a. The Owner/Designer (NYSDOT/NYSM) will provide a digital file to manufacturer with images, fonts and artwork.
  - b. Art Approvals: obtain approval of full-scale artwork prior to reproduction.
  - c. Colors: Custom colors to match specified.
2. Acceptable Manufacturer  
Folia Industries, Inc.- 58 York Street, Huntington, QC CANADA, JOSIHO  
888-264-6122

**EXHIBIT PANEL INSTALLATION:**

Concrete Base Slab, Concrete Footings, steel anchor plates and anchor bolts shall be located and constructed to grades as shown on the plans. Class "A" concrete used in footers shall be installed as specified under Section 555. The Concrete Base shall meet the requirements as specified for item 608.0101m, Concrete Sidewalks and Driveways, except scoring shall not be required.

1. Manufacturer's instructions: strictly comply with manufacturer's written instructions.
2. Contractors shall adhere to Americans with Disabilities Act (A.D.A) standards in the siting of signs and their height above grade.
3. Pre-Installation Examination: Examine surfaces to receive signs, and notify the Engineer in writing of any deficiencies or conditions detrimental to the proper completion of work.  
Beginning work indicated installer accepts signs to be clean and dry.
4. Surface Preparation: Surface to receive signs to be clean and dry.
5. Mounting: Mount signs using concealed fasteners appropriate to the signage, unless otherwise indicated. Install signs level, plumb and true.
6. Cleaning and protection: Leave signs clean and free of defects. Provide temporary protection while under construction. Remove and replace work which becomes damaged prior to final acceptance.

**Field Inspection-** All materials and work of installation shall be subject to the inspection and approval of the Engineer. Damage to the low profile wayside exhibit panels/single panel kiosk caused by the contractor's operations shall be repaired at no expense to the State.

**METHOD OF MEASUREMENT:**

This work will be measured as the number of complete low profile wayside exhibit panels/single panel kiosk, including mountings, stanchions and footings fabricated and erected as shown in the contract documents or as ordered by the Engineer.

**BASIS OF PAYMENT:**

The unit price bid for each complete marker shall include the cost of all labor, materials, and equipment including excavation, concrete footings, and base slab.