

SECTION 108316 – DECORATIVE SIGNAGE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Decorative signage for exterior installation.
 - 2. Graphic privacy slats for chain link fencing on bridges.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for banners.
 - 2. Include edge-reinforcement descriptions, hardware, fittings, and mounting accessories.
- B. Shop Drawings: For each type of sign.
 - 1. Include elevations, materials, fabrication, dimensions, mounting heights, clearances, and installation details.
 - 2. Detail colors and graphic layout and content.
 - 3. Show spacing between privacy slats.
 - 4. Indicate numbered slats based on sequence of installation.
 - 5. Show locations for trim pieces, epoxy, and fasteners for structural support where required.
 - 6. Include drawings for safety catchment system to prevent construction materials, debris, tools, etc. from falling from the bridges where work is to be performed.
- C. Samples for Initial Selection: For each type of sign.
 - 1. Include Samples of signage components, graphics, hardware, and accessories involving color and finish selection.
- D. Samples for Verification: For each type of the following products, prepared on Samples of size indicated below:
 - 1. Privacy Slat Material: 72” tall by 36” long section of specified plastic sheet to be used for the Work, with specified treatments applied.
 - 2. Graphics: 72-inches tall by 36-inches long section showing graphics. Show complete pattern repeat, if any.

3. Seam and Edge Condition: 12-inch-long section showing seam and edge treatment.
4. Exposed Hardware Finishes: Samples, not less than 10 fasteners.
5. Accessories: Full-size units.

E. Product Schedule: For signage. Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Printer and Installer.
- B. Product Certificates: For each type of material used.

1.5 CLOSEOUT SUBMITTALS

- A. Attic Stock: Twenty (20) linear feet by 72 inches tall of each type of sign and each graphic. Attic stock shall be packaged individually by bridge section. Each package shall be shrink wrapped and labeled with the same designations indicated on drawings.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs printing professionals, installers and supervisors who are trained and approved by manufacturer of printing media.
 1. Printing company shall have a minimum of 10 year's experience in printing on plastic sheet; Coroplast or equal in large format similar to this project.
 2. Printing company shall be a G7 master certified printer.
- B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials, execution, fabrication, and installation.
 1. Build full-size mockup: Provide one 10 foot long complete section of finished signage including accessories installed on project site bridge chain link fence in area designated by the Owner's representative.
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 3. Approved mockups shall not become part of the completed work. Once mockup is approved on the project site, it shall be removed and re-installed on temporary fencing panels at the office of the Landscape Architect for preservation and verification of completed work.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store plastic sheet signs stacked in a manner to protect graphic and in sequential order of installation process; do not fold signs.

1.8 FIELD CONDITIONS

- A. Existing Conditions: Do not install fence slats until all fencing repairs identified have been repaired to the satisfaction of the Owner's representative.
1. Inspect all fencing immediately upon notice to proceed. If additional repairs to the fencing are required notify the Owner's representative immediately.
 2. Field verify each type of chain link fencing to determine the exact size of fencing slats prior to graphic approval.

PART 2 - PRODUCTS

2.1 DECORATIVE SIGNAGE

- A. Signage Substrate Material: As follows:
1. Sign Base: 4 mils Extruded twin-wall plastic sheet product base on a high impact polypropylene copolymer such as Coroplast or approved equal.
 2. Style: Corrugated with flutes running vertically.
 3. Height and Width: As indicated on Drawings.
 4. Weight: 150 pounds per 1,000 square feet. Plus or minus 5%.
 5. Color: White.
- B. Graphics Application: Direct print to Coroplast 4mm by using a G7 master certified printer to ensure color consistency.
1. Extent: Two-sided graphics application.
 2. Outdoor Durability: Not less than five years.
 3. Graphic Message: As indicated on Drawings.
 4. Printing Inks: UV cured inks for outdoor applications.
- C. Anti-Graffiti Laminate: 2 mil clear polyester overlaminating film SF DOL 6060 Anti-Graffiti as manufactured by Avery Dennison or approved equal.
1. High gloss finish
 2. Protection from scratches
 3. Enhanced color of image
 4. Durability and outdoor performance
 5. UV protection
 6. Humidity resistance.
- D. Anchors, Fasteners, Fittings, Hardware, and Installation Accessories: Suitable for performance requirements, exposure conditions, and installation methods indicated. Corrosion-resistant or noncorrodible units; tamperproof, vandal- and theft-resistant; and nonstaining to other building materials. Where exposed to view, with finish and color as selected by Architect from manufacturer's full range.
1. Hardware: Attach signage to support or installation accessory as detailed with zinc coated hardware, wire or as indicated.

2. Trim and Accessories: Trim pieces shall be a plastic extrusion, outdoor grade black UV stabilized. Fabricated from a rigid PVC profile compound containing a high level of UV absorber for exterior applications.

2.2 FABRICATION

- A. Construction: Double-sided sign.
 1. Double-sided Pattern: Graphic will be double sided vertical banding. Vertical bands shall align on both sides of sign.
 2. Strip Cutting: Strips shall be cut neatly to avoid any burrs or jagged edges carefully to avoid damage to graphic. Cutting strips shall not interrupt the graphic as approved during the submittal process.
 - a. Field verify each set of chain link fencing prior to cutting any strips to determine appropriate size.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for supporting members, installation tolerances, clearances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected or accepted by the Owner's representative.

3.2 LANE CLOSURES

- A. Contractor shall be responsible for obtaining all permits required for driving lane closures, sidewalk closures and any other regulatory permits, approvals required to perform the work.
- B. Contractor shall be responsible for any traffic control devices, equipment or personnel required by the governing agency to perform the work.

3.3 INSTALLATION

- A. Install signage at locations and in position indicated, securely connected to supports, in proper relation to adjacent construction, and according to fabricator's written instructions.
- B. Use anchors, fasteners, fittings, hardware, and installation accessories as necessary for securing signage to structural support and for properly transferring load to permanent construction.
- C. Contractor shall be responsible for providing, installing and maintaining a safety catchment barrier to prevent any construction debris, materials, tools, etc. from falling from the bridge.

- D. Safety catchment barrier shall be engineered by the contractor such that it is deployed, maintained and retrieved from the bridge as lane closures below on I-69 are not possible.
- E. Safety catchment barrier shall be flame retardant.

END OF SECTION 108316