

TECHNICAL SPECIFICATIONS  
FOR  
SIGNAGE

1. Description

Provide all products, equipment, transportation, protection and labor required to construct and install the warning, regulatory, directional, entrance and information signage as shown on the drawings.

2. Quality Assurance

Comply with applicable city, state, and federal requirements regarding material, method of work, and installation standards.

3. Materials

Materials used in the installation of signs and posts, in addition to the requirements of these Specifications, shall conform to the applicable requirements of Section 916, Highway Signing Materials, of TDOTSS, January 1, 2021 and all Supplemental Specifications thereto pertaining issued prior to the advertisement for this contract.

Specific material requirements are summarized in the following:

<u>Item</u>	<u>Specification</u>
Posts (U-Channel)	Steel: ASTM A-499, Fy=50,000 psi, Grade 50 Galvanizing: ASTM A-123 Weight: Bikeway Posts-2.5 lbs/ft Roadway Posts-2.0 lbs/ft
Sign Blade	Aluminum: 0.080 inch thick sheet ASTM B-209, Alloy 6061-T6 or 5052-H38
Reflective Sheeting	Material Type III from TDOTSS, January 1, 2021, Subsection 916.06
Legends and Borders	TDOTSS, January 1, 2021, Subsection 916.07
Bolts, Nuts, and Washers	Steel: ASTM A307 Galvanizing: ASTM A153 Alternative Hardware - Stainless Steel

4. Preparation

Examine proposed sign location, mark with stake and seek the Engineer's approval before installation.

5. Fabrication, Equipment, and Construction Requirements

- (a) Fabrication of all signs, posts and attachment hardware shall be in accordance with the applicable portions of TDOTSS, January 1, 2021, Subsection 916.05 and all Supplemental Specifications thereto pertaining issued prior to the advertisement for this contract.
- (b) Equipment required for the satisfactory performance of the work shall be on hand and approved by the Engineer before construction will be permitted to begin.
- (c) Construction Methods and Requirements shall conform to the applicable portions of TDOTSS, January 1, 2021, Subsection 713.04 and all Supplemental Specifications thereto pertaining issued prior to the advertisement for this contract. The following installation specifics shall also be conformed with:
  - 1) All sign faces shall be fully attached to post at top and bottom, in accordance with the connection detail shown on T.D.O.T. Standard Roadway and Structure Drawing T-S-16.
  - 2) Post installations in asphalt and concrete surfaces shall include drilling through to subgrade prior to setting posts. Drilled holes shall have neat edges, and shall be no larger than necessary for post insertion.
  - 3) The top of sign posts shall not extend above the top of the uppermost sign face on an assembly.

6. Method of Payment

Signage will be paid for at the lump sum price bid, which price shall be full compensation for providing all signage shown in the Plans. This compensation shall include all labor, materials, equipment and incidentals necessary to complete the work. The signage to be installed includes warning, regulatory, directional, entrance and information types.