

**PART 1 – GENERAL****1.1 SUMMARY**

This Section includes the requirements for the construction signage on the Project site including Project identification signs, temporary informational signs, regulatory signs, and warning signs as required for the Project.

**1.2 REQUIREMENTS**

The Contractor shall provide the construction signage on the Project in accordance with the following:

- A. Provide and install the Project identification signs where shown in the Plans. Provide additional information signs at locations as required to direct traffic and control access to the Project site as directed by the Owner's Authorized Representative (OAR).
- B. Provide and install the regulation and warning signs as shown in the Plans. Provide any additional signs at locations required in accordance with the Texas Manual of Uniform Traffic Control Devices (TMUTCD) or as directed by the OAR.
- C. Design the sign panel and support structure to withstand 70 miles per hour wind velocity.
- D. If the Project site includes a corner intersection, one Project identification sign shall be installed on each street of the Project site.
- E. All sign installation shall meet the intersection sight distances (within the sight triangle) requirements in accordance with the Policy on Geometric Design of Highways and Streets published by the American Association of State Highway Transportation Officials (AASHTO) and shall not block or cover any existing sign in same area.
- F. The AASHTO Policy on Geometric Design of Highways and Streets provides information on stopping sight distances and roadway approach sight distances along a roadway and at intersections. If inadequate sight distance exists at these intersections due to monuments, signage and landscaping mitigation will be necessary to eliminate any safety hazards. Any potential hazards within the sight triangles shall be removed by the Contractor.
- G. The AASHTO Roadside Design Guide shall be referenced for general "clear zone" information and requirements that affect roadside safety. The AASHTO Roadside Design Guide covers items such as landscaping, fire hydrants, guardrails, utility poles, drainage features, signage, and "clear zone" requirements for non-breakaway barriers.
- H. Any sign installed within the clear zone shall incorporate "break-away" post design installation.

**1.3 SUBMITTALS**

The Contractor shall submit shop drawings of the proposed signs to the OAR within 15 Calendar Days of receiving the Notice to Proceed (NTP) showing content, layout, lettering font/size, color, foundation details, structural materials, sizes and grades of members.

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#### 1.4 QUALITY ASSURANCE

The Contractor shall provide sign panels painted by a professional sign painter with a minimum of three (3) years experience in painting specified types of signs or manufactured sign faces from an approved supplier.

## PART 2 – PRODUCTS

### 2.1 MATERIALS, DIMENSIONS, AND LAYOUT

A. The Project identification sign shall meet the following requirements:

1. The sign size shall be 96 inches x 48 inches on a panel consisting of 5/8 inch thick medium density overlay (MDO) board.
2. The sign panel shall be mounted to at least two (2) 4 inch x 4 inch treated lumber posts.
3. The sign shall be painted white and mounted 30 inches to 36 inches above grade unless otherwise directed by the OAR or specified in the Contract Documents.
4. The Contractor shall use the sign template in Figure 1 unless otherwise directed by the OAR or otherwise specified in the Contract Documents.



Figure 1

B. All other signs shall meet the following requirements:

1. Size of signs, height, and lettering font/size shall meet the requirements of the TMUTCD for the intended roadway type and design speed.
2. Colors shall meet the requirements of the TMUTCD using uniform colors throughout the Project as approved by OAR.
3. Install sign panel at height for optimum visibility, on ground-mounted poles or as attached to temporary structural surfaces.

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#### **C. Finishes and Paint:**

1. The Contractor shall provide finishes/painting on the signs adequate to withstand weathering, fading and chipping for duration of the Project.
2. If a manufactured sign panel is not provided, the Contractor shall paint the sign panel with two (2) coats of exterior grade paint. Paint may be one coat of primer and one finish coat or two coats of self priming finish paint.
3. Paint lettering on sign using one (1) coat of exterior grade paint.

## **PART 3 – EXECUTION**

### **3.1 GENERAL**

- A. A Utility location shall be required and approved before digging the sign foundation.
- B. Existing landscaping and proposed landscaping may lower safety standards with respect to maturity or seasonal growth with respect to line of sight and stopping sight distances. The Contractor shall contact the OAR for consultation and input on any potential areas of concern regarding sight lines and stopping sight distances.

### **3.2 INSTALLATION**

- A. Install signs within 30 Calendar Days of receiving the NTP.
- B. Relocate informational signs as required by progress of work.

### **3.3 MAINTENANCE**

The Contractor shall maintain all construction signs throughout the Project in a neat, clean condition and repair any damage to sign panel finish or support structure framing.

### **3.4 REMOVAL**

The Contractor shall remove all the signs and foundations completely at Final Completion. All holes from foundation removal shall be filled with sand or other properly compacted material as approved by the OAR and the impacted area regraded to its original condition as directed by the OAR.

## **PART 4 – MEASUREMENT AND PAYMENT**

Not Used.

**- END OF SECTION -**