**GENERAL NOTES**

1. Signs to be furnished shall be as detailed elsewhere in the plans and/or shown on sign summary sheet. Standard sign designs and arrow dimensions can be found in the "Standard Highway Sign Designs for Texas" (SHSD).

2. Black legend shall use the Federal Highway Administration (FHWA) Standard Highway Alphabets (B, C, D, E, Emod, or F). White legend shall use the Clearview Alphabet. The following Clearview fonts shall be used to replace the existing white FHWA lettering, when not specified in the SHSD or in the plans:

3. Lateral spacing between letters and numerals shall conform with the SHSD, and any approved changes thereto. Lateral spacing of legend shall be applied by screening process or cut-out acrylic non-reflective black film to background sheeting, or combination thereof.

4. Black legend shall be applied by screening process or cut-out acrylic non-reflective black film to background sheeting, or combination thereof.

5. White legend and borders shall be cut-out white sheeting applied to colored background sheeting.

6. Information regarding borders and radii for signs is found in the "Standard Highway Sign Designs for Texas". Dimensions shown and described for borders and corner radii of parent sign are nominal. Borders may vary in width as much as 1/2 inch. Corner radii above 3 inches may vary in width as much as 1 inch. Borders and corner radii within a parent sign must be of matching width. The sign area within the corner radius need not be trimmed or rounded if face-lit from an extruded material.

7. Background sheeting shall be applied to the substrate per sheeting as the parent sign.

8. Mounting details of exit number panels above parent sign are shown in the "SM" series Standard Plan Sheets.

9. Background sheeting shall be applied to the substrate per sheeting manufacturer's recommendations. Sheeting will not be allowed to bridge the horizontal gap between panels.

10. Cut-out legend, symbols, borders, and direct applied sign attachments at panel joints.
**GENERAL NOTES**

1. Signs to be furnished shall be as detailed elsewhere in the plans and/or as shown on sign tabulation sheets. Standard sign designs and arrow dimensions can be found in the "Standard Highway Sign Designs for Texas" (SHSD).

2. White legend shall use the Clearview Alphabet. The following Clearview fonts shall be used to replace the existing white Federal Highway Administration (FHWA) Standard Highway Alphabet, when not specified in the SHSD, or in the plans.

3. Route sign legend (i.e. IA, IL, AL or PE) shall use the Federal Highway Administration (FHWA) Standard Highway Alphabets B, C, D, E, Emod, or F).

4. Lateral spacing between letters and numerals shall conform to the SHSD, and any approved changes thereto. Lateral spacing of legend shall provide a balanced appearance when spacing is not shown.

5. Independent mounted route sign with white or colored legend and borders shall be applied by screening process with transparent color line, transparent colored overlay film, or white background sheeting or cut-out white sheeting to colored background sheeting, or combination thereof. White legends, symbols, and borders on all other signs shall be cut-out white sheeting applied to colored background sheeting.

6. Information regarding borders and radii for signs is found in the "Standard Highway Sign Designs for Texas" (SHSD), dimensions shown and described for borders and corner radii on parent sign are nominal. Borders may vary in width as much as 1/2 inch. Corner radius above 3 inches may vary in width as much as 1 inch. Borders and corner radii within a parent sign shall be of matching width. Signs outside the corner radius should be trimmed or rounded.

7. Sign substrates shall be any material that meets the Departmental Material Specification requirements of DMS-7110 or approved alternatives.

8. Mounting details of roadside signs are shown in the "SMD series" Standard Division Traffic Operations specifications sheets.

**TYPICAL SIGN REQUIREMENTS**

**TYPICAL EXAMPLES**

**TYPICAL EXAMPLES**

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**Sheeting Requirements**

<table>
<thead>
<tr>
<th>Usage</th>
<th>Color</th>
<th>Sign Face Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Background</td>
<td>All Others</td>
<td>Type B or C Sheet</td>
</tr>
<tr>
<td>Legend &amp; Borders</td>
<td>Black</td>
<td>Acrylic Non-Reflective Film</td>
</tr>
<tr>
<td>Legend &amp; Borders</td>
<td>All Others</td>
<td>Type B or C Sheet</td>
</tr>
</tbody>
</table>

**Square Feet**

<table>
<thead>
<tr>
<th>Minimum Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 7.5</td>
</tr>
<tr>
<td>7.5 to 15</td>
</tr>
<tr>
<td>Greater than 15</td>
</tr>
</tbody>
</table>

**Typical Examples**

- North Interstate
- Scenic Area
- North
- Ranch Road
- Lockhart State Park
- Austin Garfield
**GENERAL NOTES**

1. Signs to be furnished shall be as detailed elsewhere in the plans and/or as shown on sign sheeting sheets. Standard sign designs and arrow dimensions can be found in the “Standard Highway Sign Designs for Texas” (SHSD).

2. Sign legend shall use the Federal Highway Administration (FHWA) Standard Highway Alphabets (B, C, D, E, Emod, or F).

3. Lateral spacing between letters and numerals shall conform with the SHSD, and any approved changes thereof. Lateral spacing of legend shall provide a balanced appearance when spacing is not shown.

4. Black legend and borders shall be applied by screening process or cut-out acrylic non-reflective black film to background sheeting, or combination thereof.

5. White legend and borders shall be applied by screening process with transparent colored inks, transparent colored overlay film to white background sheeting, or combination thereof.

6. Colored legend shall be applied by screening process with transparent colored inks, transparent colored overlay film to colored background sheeting, or combination thereof.

7. Signsubstrate shall be any material that meets the Departmental Material Specification requirements of DMS-7110 or approved alternative.

8. Mounting details for roadside mounted signs are shown in the SHSD-1101 Standard Plan Sheets.

**REQUIREMENTS FOR RED BACKGROUND REGULATORY SIGNS**

**REQUIREMENTS FOR WHITE BACKGROUND REGULATORY SIGNS** (EXCLUDING STOP, YIELD, DO NOT ENTER AND WRONG WAY SIGNS)

**REQUIREMENTS FOR FOUR SPECIFIC SIGNS ONLY**

**REQUIREMENTS FOR WARNING SIGNS**

**REQUIREMENTS FOR SCHOOL SIGNS**

**TYPICAL EXAMPLES**

**TYPICAL SIGN REQUIREMENTS**

**TABLES**

<table>
<thead>
<tr>
<th>SHEETING REQUIREMENTS</th>
<th>USAGE</th>
<th>COLOR</th>
<th>SIGN FACE MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACKGROUND</td>
<td>WHITE</td>
<td>TYPE A SHEETING</td>
<td></td>
</tr>
<tr>
<td>BACKGROUND</td>
<td>RED</td>
<td>TYPE B OR C SHEETING</td>
<td></td>
</tr>
<tr>
<td>BACKGROUND</td>
<td>ALL OTHERS</td>
<td>TYPE B OR C SHEETING</td>
<td></td>
</tr>
<tr>
<td>LEGEND</td>
<td>BLACK</td>
<td>ACRYLIC NON-REFLECTIVE FILM</td>
<td></td>
</tr>
<tr>
<td>LEGEND</td>
<td>ALL OTHERS</td>
<td>TYPE B OR C SHEETING</td>
<td></td>
</tr>
</tbody>
</table>

**TABLES**

<table>
<thead>
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<th>SHEETING REQUIREMENTS</th>
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<th>COLOR</th>
<th>SIGN FACE MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACKGROUND</td>
<td>WHITE</td>
<td>TYPE A SHEETING</td>
<td></td>
</tr>
<tr>
<td>BACKGROUND</td>
<td>RED</td>
<td>TYPE B OR C SHEETING</td>
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<tr>
<td>BACKGROUND</td>
<td>ALL OTHERS</td>
<td>TYPE B OR C SHEETING</td>
<td></td>
</tr>
<tr>
<td>LEGEND</td>
<td>BLACK</td>
<td>ACRYLIC NON-REFLECTIVE FILM</td>
<td></td>
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<tr>
<td>LEGEND</td>
<td>ALL OTHERS</td>
<td>TYPE B OR C SHEETING</td>
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**TABLES**

<table>
<thead>
<tr>
<th>SHEETING REQUIREMENTS</th>
<th>USAGE</th>
<th>COLOR</th>
<th>SIGN FACE MATERIAL</th>
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<tbody>
<tr>
<td>BACKGROUND</td>
<td>YELLOW</td>
<td>TYPE B OR C SHEETING</td>
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<tr>
<td>BACKGROUND</td>
<td>FLUORESCENT YELLOW GLOSS</td>
<td>TYPE B OR C SHEETING</td>
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<tr>
<td>LEGEND</td>
<td>BLACK</td>
<td>ACRYLIC NON-REFLECTIVE FILM</td>
<td></td>
</tr>
<tr>
<td>LEGEND</td>
<td>ALL OTHERS</td>
<td>TYPE B OR C SHEETING</td>
<td></td>
</tr>
</tbody>
</table>

**TABLES**

<table>
<thead>
<tr>
<th>ALUMINUM SIGN BLANKS THICKNESS</th>
<th>Square Feet</th>
<th>Minimum Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than 1/16</td>
<td>0.060</td>
<td>0.125</td>
</tr>
<tr>
<td>1/16 to 1/8</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td>Greater than 1/8</td>
<td>0.125</td>
<td></td>
</tr>
</tbody>
</table>

**DEPARTMENTAL MATERIAL SPECIFICATIONS**

1. Signs to be furnished shall be as detailed elsewhere in the plans and/or as shown on sign sheeting sheets. Standard sign designs and arrow dimensions can be found in the “Standard Highway Sign Designs for Texas” (SHSD).

2. Sign legend shall use the Federal Highway Administration (FHWA) Standard Highway Alphabets (B, C, D, E, Emod, or F).

3. Lateral spacing between letters and numerals shall conform with the SHSD, and any approved changes thereof. Lateral spacing of legend shall provide a balanced appearance when spacing is not shown.

4. Black legend and borders shall be applied by screening process or cut-out acrylic non-reflective black film to background sheeting, or combination thereof.

5. White legend and borders shall be applied by screening process with transparent colored inks, transparent colored overlay film to white background sheeting, or combination thereof.

6. Colored legend shall be applied by screening process with transparent colored inks, transparent colored overlay film to colored background sheeting, or combination thereof.

7. Signsubstrate shall be any material that meets the Departmental Material Specification requirements of DMS-7110 or approved alternative.

8. Mounting details for roadside mounted signs are shown in the SHSD-1101 Standard Plan Sheets.

**URL:** [http://www.txdot.gov/](http://www.txdot.gov/)
ARROW DETAILS
for Large Ground-Mounted and Overhead Guide Signs

- **Type A**
  - LETTER SIZE: 10.67" U/L and 12" Caps
  - USE: Single

- **Type B**
  - LETTER SIZE: 10.67" U/L and 12" Caps
  - USE: Single

- **E-3**
  - LETTER SIZE: 10.67" U/L and 12" Caps
  - USE: Single

- **E-4**
  - LETTER SIZE: 10.67" U/L and 12" Caps
  - USE: Single

- **Dawn Arrow**

**NOTE:**
Arrow dimensions are shown in the "Standard Highway Sign Designs for Texas" manual.

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website:
http://www.txdot.gov/

**DIRECT APPLIED ATTACHMENT**

**SCREW ATTACHMENT**

**NUT/BOLT ATTACHMENT**

**NOTE:**
1. Sheet metal and bolt washers must be cut at panel joints.
2. Direct applied attachment signs will be subsidiary to "Aluminum Signs" or "Fiberglass Signs".

**SIGN BLANK PUNCHING DETAILS FOR ATTACHMENTS WHEN SPECIFIED TO BE TYPE A ALUMINUM SIGNS (FOR MOUNTING TO GUIDE SIGN FACE)**

**INTERSTATE ROUTE MARKERS**

**U.S. ROUTE MARKERS**

**STATE ROUTE MARKERS**

**EXIT ONLY PANEL**

**EXIT ONLY PANEL**

**NOTE:**
All holes are 3/16" dia.

**TYPICAL SIGN REQUIREMENTS**

**TSR(5)-13**

**NOTE:**
Furnish Type A destination sign attachments only when specified in the plans. These signs will be paid for under "Aluminum Signs".