1. The Engineer will establish grades and locations for all sign posts in accordance with details shown on the plans.
2. Special care shall be taken in sign location to ensure an unobstructed view of each sign.
3. Minimum post embedment shall be 3 ft. for 4-in x 4-in timber posts and 5 ft. for 6-in x 6-in timber posts. See applicable standards for footing depths.
4. If a shoulder is wider than 6 ft., the minimum lateral offset distance should be 8 ft. from the edge of the shoulder, except for mile marker signs, see Figure 2a-20 of the 2000 MUTCD.
5. Normal lateral placement is measured from the edge of the travel lane.
6. In urban areas, a lateral clearance of 1 ft. from the curb face is permissible where sidewalk width is limited or where existing poles are close to the curb.
7. Typical post mounting heights from ground to bottom of sign panel are 2 ft. or 8 ft. Other heights may be required when signs are mounted on street pilar or on curb slabs.
8. "Educational Plaques" for shoulder signs will not be considered when determining vertical placement for information, educational, and cultural signs. See page 3 of the 2002 MUTCD showing policies & procedures, and section 1A12 of the 2000 MUTCD.
9. When lateral placement is 30 ft. or more, a supplemental plaque is required. Vertical placement is measured from the edge of the travel lane.
10. Normal vertical placement is 0.5 ft. signs closer than 30 ft. should be turned slightly away to improve specular reflection. Signs placed 30 ft. or more should generally be turned toward the road.
11. The exit panel is mounted on the right hand side for right hand exits and on the left side for left hand exits.
12. Post shall be installed flush, vertical deviation shall not exceed 1/2-in in 10 ft.
13. On all two-lane undivided highways, the mile marker and post shall be installed on the right shoulder in the ascending direction with the mile marker panels displaced on the front and back side of the post.
14. On all undivided highway and divided highways, and interstates, the mile marker and post shall be installed on the outside shoulder or sidewalk if applicable in both directions of travel.
15. Vertical spacing between sign panels shall be 1 to 0.5 in. typical.

**Placement Tables**

<table>
<thead>
<tr>
<th>Lateral Placement</th>
<th>Vertical Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key</td>
<td>Key</td>
</tr>
<tr>
<td>MIN. A 0.5&quot;</td>
<td>MIN. B 0.5&quot;</td>
</tr>
<tr>
<td>MAX. A 3.0&quot;</td>
<td>MAX. B 3.0&quot;</td>
</tr>
<tr>
<td>MIN. A 0.3&quot;</td>
<td>MIN. B 0.3&quot;</td>
</tr>
<tr>
<td>MAX. A 2.0&quot;</td>
<td>MAX. B 2.0&quot;</td>
</tr>
<tr>
<td>MIN. A 0.2&quot;</td>
<td>MIN. B 0.2&quot;</td>
</tr>
<tr>
<td>MAX. A 1.0&quot;</td>
<td>MAX. B 1.0&quot;</td>
</tr>
</tbody>
</table>

**Figure 2a-20**

- **MIN.** Minimum
- **MAX.** Maximum
- **EDNOTE NO.** Educational Note
- **GRND SIGN** Ground Sign

**Typical Locations**

- **Stop Signs** and **Yield Signs**
- **Regulatory, Recreational, and Cultural Information Sign Placement**
- **Wide throat intersection**
- **Divisional Island**
- **Urban intersection**
- **Miner Crossroad**
- **Edge of Shoulder**
- **SUPPLEMENTAL PLACER**
- **EDUCATIONAL PLAQUE (SEE)**
- **MINIMUM POST EMBEDMENT SHALL BE 3 FT. FOR 4-IN X 4-IN TIMBER POSTS, AND 4 FT. FOR 6-IN X 6-IN TIMBER POSTS. SEE APPLICABLE STANDARDS FOR FOOTING DEPTHS.**
NOTE: MILE MARKERS SHALL BE LOCATED IN LINE WITH DELINICATOR POSTS.

Class III Signs, Panel Ground Clearance

Special for small parking or stopping restriction signs with horizontal arrow

Standard for all other ground signs

45° to 60°

5° max.

1/2" to 3"

See Note 10.