Typical Guardrail Treatment

When the required 4' (1200) clearance to obstruction is available:

**Type 1 Guardrail**

- Post spacing: 6'-3" (1905)
- Solid obstruction
- Required clearance: 4' (1200) minimum

**Type 2 Guardrail**

- Post spacing: 3'-6" (1052.5)
- Solid obstruction
- Required clearance: 2' (600) minimum

**Type 3 Guardrail**

- Post spacing: 6'-3" (1905)
- Solid obstruction
- Required clearance: 4' (1200) minimum

**Flare Rates**

<table>
<thead>
<tr>
<th>Design Speed</th>
<th>Flare Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 MPH (110 km/h)</td>
<td>6d</td>
</tr>
<tr>
<td>60 MPH (100 km/h)</td>
<td>6d</td>
</tr>
<tr>
<td>55 MPH (90 km/h)</td>
<td>6d</td>
</tr>
<tr>
<td>50 MPH (80 km/h)</td>
<td>5d</td>
</tr>
<tr>
<td>45 MPH (70 km/h)</td>
<td>4d</td>
</tr>
<tr>
<td>40 MPH (60 km/h)</td>
<td>3d</td>
</tr>
<tr>
<td>30 MPH (50 km/h)</td>
<td>1d</td>
</tr>
</tbody>
</table>

**Design Speed**

- 70 MPH (110 km/h)
- 60 MPH (100 km/h)
- 55 MPH (90 km/h)
- 50 MPH (80 km/h)
- 45 MPH (70 km/h)
- 40 MPH (60 km/h)
- 30 MPH (50 km/h)

**Notes:**

1. The distance from the edge of the travel lane or shoulder to the face of guardrail should be maximized; this area shall be graded 10:1 or flatter.
2. Place guardrail reflector every fifth post.

**Guardsrail Applications**

**Standard No.** B-1 (2000)