### 3-31 GUARDRAIL SECTION

**MEDIAN APPLICATION**

- **Hinge Point**
- **Offset Distance (D)**
- **H**
- **Use Maintenance Strip pavement only when indicated on construction plans**

### 1-31 & 2-31 GUARDRAIL SECTION

**SHOULDER APPLICATION**

#### Table: Post Spacing and Clear Area

<table>
<thead>
<tr>
<th>Type</th>
<th>Post Spacing</th>
<th>Clear Area Behind Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6'-3&quot;</td>
<td>4'-0&quot; Min</td>
</tr>
<tr>
<td>2</td>
<td>3'-1½&quot;</td>
<td>2'-4&quot; Min</td>
</tr>
</tbody>
</table>

**Notes:**

1. See standard specification for offset block materials.
2. On roadways with a posted speed less than or equal to 50 MPH, where the face of the guardrail is to be placed flush with the face of the curb, the height of the curb shall be no more than 6 inches. The face of the guardrail shall be installed flush with the face of the curb or no more than 6 inches behind the face of the curb.
3. On roadways with posted speeds greater than 50 MPH, where the face of the guardrail is to be placed flush with the face of the curb, the height of the curb shall be no more than 4 inches. The face of the guardrail shall be installed flush with the face of the curb or no more than 6 inches behind the face of the curb.
4. **H** is defined as the maximum curb height for the curb/guardrail application.
5. Guardrail height measured from top of curb shall be 31"-32". Guardrail height measured from ground surface directly adjacent to face of rail shall be no more than 34".
6. Guardrail behind curb is based on NCHRP Project 03-237-10.

### POSTED SPEED

- **4'-0" Min**
- **10:1 OR FLATTER**
- **< 45 MPH**

**H (SEE NOTE 4)**

- **6" MAX**