### Highway Guardrail Specifications

Rail is supplied hot-dipped galvanized after fabrication in accordance with ASTM A-123.

Type 2 = Zinc coated 3.6 oz/ft² minimum single spot

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**W-Beam Rail**

- Width: 6 ¼”
- Length: 12’-6”
- Splice: 3’-1 ½”
- Slot: ⅛” x 1 ¼” splice bolt slots

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**Dimensions and Mechanical Properties (Uncoated)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Class A (.105 in. thick)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beam Width, In. Minimum</td>
<td>12</td>
</tr>
<tr>
<td>Beam Depth, In. Minimum</td>
<td>3</td>
</tr>
<tr>
<td>Cross-Sectional Area, Sq. In.</td>
<td>2.01</td>
</tr>
<tr>
<td>Moment of Inertia, In.⁴</td>
<td>2.34</td>
</tr>
<tr>
<td>Section Modulus, In.³</td>
<td>1.39</td>
</tr>
<tr>
<td>Weight/ft., Lb. (Approx.)</td>
<td>6.82</td>
</tr>
</tbody>
</table>

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**End Section (Rounded)**

- 24” approx.
- 6 ¾” R
- 16 ¼”

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**Typical Steel Post**

W6 x 8.5

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**Post on Plate**

Cold Galvanized

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**Button Head Bolts and Double Recessed Hex Nuts**

- ⅛” double recessed nut
- 1 ¼” splice bolt
- 2” steel post bolt
- 10” plastic blocks

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**Inside Corner**

**Outside Corner**

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