W-BEAM INSTALLATION

ELEVATION

PLAN

SECTION

SECTION WITH CURB

At Bridge End Drains, cut Scour Protection (Transition Mat and Turf Reinforcement Mat) or remove rock as required to place post(s) such that Bridge End Drains abut post(s).

1. When specified by the contract documents, install posts at 3'-12" spacing.

2. 6" maximum for 6" Standard or 6" Sloped curbs and for non-standard curbs.

3. Wood or composite only. Steel blockouts will not be allowed.

Possible Contract Item:
Steel Beam Guardrail
ASYMMETRICAL TRANSITION SECTION

W-BEAM RAIL

THREE-BEAM RAIL

SHEET 3 of 4

STANDARD ROAD PLAN

STEEL BEAM GUARDRAIL COMPONENTS
Installation information applies to both wood and steel posts.

3. Wood or composite only. Steel blockouts will not be allowed.

4. Post extends to bottom of hole in all cases. Trim top of post as required and treat with preservative according to Section 4161 of the Standard Specifications.

5. Use a 12 inch bit with two drills or a 15 inch bit with one drill. If placing post before paving, provide required leave-out area. If placing post after paving, drill or cut required area. Leave-out may be round or square.

7. Use a 12 inch bit with three drills or a 24 inch bit with one drill.

<table>
<thead>
<tr>
<th>Case</th>
<th>Depth to Bedrock</th>
<th>Minimum Depth to Drill into Bedrock</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>S = 0&quot; to 16&quot;</td>
<td>R = 24&quot;</td>
</tr>
<tr>
<td>B</td>
<td>S = 16&quot; to 52&quot;</td>
<td>R = Post Length - Mounting Height + S</td>
</tr>
</tbody>
</table>

**Plan - Case A**

**Plan - Case B**

**Post Installed in Bedrock**

**Post Installed in Pavement**