MIDWEST GUARDRAIL SYSTEM WITH STANDARD POST SPACING

SGR20a-c

DATE: 9/8/2011

1 of 4
INTENDED USE
Midwest Guardrail System (MGS) with standard post spacing should be used in locations where a maximum dynamic deflection of 43 1/16" [1094] or less is acceptable and where a working width of 49" [1245] is provided. MGS should be anchored and terminated using a suitable guardrail end treatment that is approved with a 31" [787] top mounting height. MGS can be used with wide-flange steel posts (PWE06) or timber posts (PDE02). Guardrail sections measuring 300" [7620] long can be used in lieu of the 150" [3810] long sections. This system is TL-3 NCHRP 350 and MASH accepted.

COMPONENTS
Unit Length = 150" [3810]

<table>
<thead>
<tr>
<th>DESIGNATOR</th>
<th>COMPONENT</th>
<th>SYSTEM</th>
<th>NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBB01</td>
<td>Guardrail splice bolts and nuts</td>
<td>a-c</td>
<td>8</td>
</tr>
<tr>
<td>FBB06</td>
<td>Guardrail post bolts and nuts</td>
<td>a</td>
<td>2</td>
</tr>
<tr>
<td>FBB07</td>
<td>Guardrail post bolts and nuts</td>
<td>b-c</td>
<td>2</td>
</tr>
<tr>
<td>FWCl6a</td>
<td>Round washer</td>
<td>b-c</td>
<td>2</td>
</tr>
<tr>
<td>PDB10</td>
<td>MGS timber blockout</td>
<td>a</td>
<td>2</td>
</tr>
<tr>
<td>PDB11</td>
<td>MGS timber blockout</td>
<td>b-c</td>
<td>2</td>
</tr>
<tr>
<td>PDE02</td>
<td>Timber guardrail post</td>
<td>b</td>
<td>2</td>
</tr>
<tr>
<td>PWE06</td>
<td>Wide-flange guardrail post</td>
<td>a</td>
<td>2</td>
</tr>
<tr>
<td>RWM04a</td>
<td>W-beam Rail</td>
<td>a-c</td>
<td>1</td>
</tr>
<tr>
<td>------</td>
<td>16D nail, galvanized</td>
<td>a-c</td>
<td>2</td>
</tr>
<tr>
<td>PDE20</td>
<td>White Pine guardrail post</td>
<td>c</td>
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</tbody>
</table>

ACCEPTANCE
FHWA Acceptance Letter for white pine post will be pursued according to the TL-3 MASH performance criteria.

REFERENCES


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REFERENCES


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