MIDWEST GUARDRAIL SYSTEM WITH 6"[152] CURB

SGR23a
SECTION A-A

SGR23b

DIMENSIONS NOT SHOWN ON SGR23b ARE TO BE THOSE CONSISTENT WITH SGR23a.
INTENDED USE
Midwest Guardrail System (MGS) for use with a 6" [152] tall, AASHTO Type B curb should be used in locations where a maximum dynamic deflection of 40" [1024] or less is acceptable and where a working width of 57" [1453] is provided. The maximum distance that the midpoint of the front face of the curb can be placed in front of the front face of the guardrail is 6" [152]. In addition, the back face of the curb can be positioned such that it is adjacent to the front face of the guardrail post. 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" [3860] long sections. This system is TL-3 NCHRP 350 accepted and is acceptable according to the update to NCHRP 350.

COMPONENTS
Unit Length = 150" [3810]

<table>
<thead>
<tr>
<th>DESIGNATOR</th>
<th>COMPONENT</th>
<th>SYSTEM</th>
<th>NUMBER</th>
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</thead>
<tbody>
<tr>
<td>FBB01</td>
<td>Guardrail splice bolts and nuts</td>
<td>a–b</td>
<td>8</td>
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<tr>
<td>FBB06</td>
<td>Guardrail post bolts and nuts</td>
<td>a</td>
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<tr>
<td>FBB07</td>
<td>Guardrail post bolts and nuts</td>
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<tr>
<td>FWC16a</td>
<td>Round washer</td>
<td>b</td>
<td>2</td>
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<tr>
<td>PDB10</td>
<td>MGS timber blockout</td>
<td>a</td>
<td>2</td>
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<tr>
<td>PDB11</td>
<td>MGS timber blockout</td>
<td>b</td>
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</tr>
<tr>
<td>PDE02</td>
<td>Timber guardrail post</td>
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<tr>
<td>PWE06</td>
<td>Wide–flange guardrail post</td>
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<tr>
<td>RWMO4a</td>
<td>W–beam Rail</td>
<td>a–b</td>
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<tr>
<td></td>
<td>16D nail, galvanized</td>
<td>a–b</td>
<td>2</td>
</tr>
</tbody>
</table>

ACCEPTANCE
FHWA Acceptance Letter B–133, March 1, 2005. Acceptance according to the update to NCHRP 350 will be pursued.

REFERENCES


REFERENCES


CONTACT INFORMATION
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