STRONG-POST, W-BEAM GUARDRAIL SYSTEM WITH POST PLACED IN ROCK

SGR27a-b

Sheet No. Date:
1 of 6 10/18/2006
INTENDED USE

Strong-Post, W-Beam Guardrail System with Post Placed in Rock (SGR27a–b) should be used in locations where a maximum dynamic deflection of 38 1/2" [980] or less is acceptable and where a working width of 39 3/4" [1010] is provided. Strong-Post, W-Beam Guardrail System with Post Placed in Rock should be anchored and terminated using a suitable guardrail end. Strong-Post, W-Beam Guardrail System with Post Placed in Rock drilled holes should be filled with a compressible material (ASTM C33 coarse aggregate, size no. 57). Strong-Post, W-Beam Guardrail System with Post Placed in Rock can be used with wide-flange steel posts (PWE01) or timber posts (PDE02). Guardrail sections measuring 300" [7620] long can be used in lieu of the 150" [3860] long sections. W-Beam Guardrail System with Posts Placed in Rock is TL-3 NCHRP 350 acceptable.

COMPONENTS

<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–b</td>
<td>8</td>
</tr>
<tr>
<td>FBB02</td>
<td>Guardrail post bolts and nuts</td>
<td>a</td>
<td>2</td>
</tr>
<tr>
<td>FBB04</td>
<td>Guardrail post bolts and nuts</td>
<td>b</td>
<td>2</td>
</tr>
<tr>
<td>FWC16a</td>
<td>Round washer</td>
<td>b</td>
<td>2</td>
</tr>
<tr>
<td>PDB09</td>
<td>Timber blockout</td>
<td>a</td>
<td>2</td>
</tr>
<tr>
<td>PDB01</td>
<td>W-beam timber blockout</td>
<td>b</td>
<td>2</td>
</tr>
<tr>
<td>PDE02</td>
<td>Timber guardrail post (cut to fit)</td>
<td>b</td>
<td>2</td>
</tr>
<tr>
<td>PWE01</td>
<td>Wide-flange guardrail post (cut to fit)</td>
<td>a</td>
<td>2</td>
</tr>
<tr>
<td>RWM02a</td>
<td>W-beam Rail</td>
<td>a–b</td>
<td>1</td>
</tr>
<tr>
<td>-----</td>
<td>16D nail, galvanized</td>
<td>a–b</td>
<td>2</td>
</tr>
</tbody>
</table>

ACCEPTANCE


REFERENCES


CONTACT INFORMATION

Midwest Roadside Safety Facility
E527 Nebraska Hall
Lincoln, NE 68588–0529
(402) 472–0965
Email: mwrsf@unl.edu
Website: http://mwrsf.unl.edu/

STRONG-POST, W-BEAM GUARDRAIL SYSTEM WITH POST PLACED IN ROCK

SGR27a-b
STRONG-POST, W-BEAM GUARDRAIL SYSTEM WITH POST PLACED IN ROCK

SGR27a-b

SHEET NO. DATE:
3 of 6 8/23/2007
NOTICE: GUARDRAIL POST CAN BE CUT FROM STANDARD SIZE TO FIT HOLE, AS SPECIFIED IN DESIGN DETAILS.
STRONG-POST, W-BEAM GUARDRAIL SYSTEM WITH POST PLACED IN ROCK

SGR27a-b

MwRSF

SHEET NO. DATE:
5 of 6 10/18/2006